BNL-NCS-50640
FOURTH EDITION
PART 1

THE BIBLIOGRAPHY OF INTEGRAL CHARGED PARTICLE NUCLEAR DATA

ARCHIVAL EDITION

T.W. BURROWS AND P. DEMPSEY

March 1980

MASTER

INFORMATION ANALYSIS CENTER REPORT

NATIONAL NUCLEAR DATA CENTER
BROOKHAVEN NATIONAL LABORATORY
UPTON, NEW YORK 11973

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FOURTH EDITION

PART 1

(Physics-Nuclear - TID-4500)

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THE BIBLIOGRAPHY OF INTEGRAL CHARGED PARTICLE NUCLEAR DATA

ARCHIVAL EDITION

Literature scanned from January 1, 1976, through March 15, 1980
Index of data in the international exchange format (EXFOR) received between
January 1, 1976, and March 15, 1980

T.W. BURROWS AND P. DEMPSEY

March 1980

NATIONAL NUCLEAR DATA CENTER

(in support of the International Nuclear Reaction Data Centers Network)

**BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.**

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THE BIBLIOGRAPHY OF INTEGRAL CHARGED PARTICLE NUCLEAR DATA, FOURTH EDITION
Introduction

I. INTRODUCTION

This publication is the fourth annual edition of the National Nuclear Data Center charged-particle bibliography. This edition is cumulative and supersedes the previous editions. The original publication (BNL-NCS-50640) was an outgrowth of a recommendation by the newly-formed International Charged-Particle Nuclear Data Compilation Network (see Table 2 for members of the network). The bibliography's primary aims are to satisfy the need expressed by the network for a concise and comprehensive index of integral charged-particle cross section data and to provide an index of charged-particle data compiled in the international exchange format, EXFOR. The reader is referred to Table 1 for a partial list of other nuclear data bibliographies relevant to charged-particle induced reactions and to 'A Source List of Nuclear Data Bibliographies, Compilations, and Evaluations'¹ for a more comprehensive list.

The rapid growth in the size of this publication has forced a change in philosophy. The present publication is an archival volume covering the first four years of scanning. Future publications will be cumulative supplements to the Fourth Edition.

Table 1

Other Nuclear Data Bibliographic Sources

1. W.B. Ewbank, ed., Nuclear Structure References, 1969-1974. Nucl. Data Sheets 16, Supplement. Academic Press, NY (1975). 'Recent References'. 3 issues/year with last issue cumulative for year in Nucl. Data Sheets. Academic Press, NY.
2. INIS Atomindex. International Atomic Energy Agency, Vienna.
3. F.K. McGowan and W.T. Milner. 'Reaction List for Charged-Particle-Induced Reactions.' At. Data Nucl. Data Reprints 2, Academic Press, NY (1974). Nucl. Data Tables A11, 1. Academic Press, NY. (1972). At. Data Nucl. Data Tables 12, 499. Academic Press, NY (1973). At. Data Nucl. Data Tables 15, 189. Academic Press, NY (1975). At. Data Nucl. Data Tables 18, 1. Academic Press, NY (1976).

II. SCOPE

For the purposes of this bibliography, integral charged particle data may be defined as data which have been integrated over the product angle and energy or data which may be easily converted to such a representation.

General criteria for inclusion of data in this bibliography are the following.

1. Excitation functions, thick target, or product yields^{*} leading to the formation of ground or metastable states. This includes such quantities as fission yields, isomeric ratios, multiplicities, and excitation functions for specific particle groups where such data readily yields information on the excitation functions or thick target yields for ground or metastable states.
2. The atomic mass and charge of the incident particle must be greater than or equal to 1.
3. The atomic mass of the target must be greater than or equal to 1.

=====

1. T.W. Burrows and N.E. Holden. 'A Source List of Nuclear Data Bibliographies, Compilations, and Evaluations, Second Edition.' Brookhaven National Laboratory Report BNL-NCS-50702, Second Edition (1978).

* Thick target yields are defined as measurements on targets whose thickness is sufficient to degrade the incident particle energy below the reaction threshold. The term product yield is used when in the compilers opinion there is an ambiguity in what quantity has been measured.

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4. The atomic masses of the outgoing and residual nuclei must be greater than or equal to 1 with the exception of processes which do not lead to a definite residual nucleus (e.g., total cross sections) and of gamma-ray production reactions.

There may be several exceptions to these criteria. Any charged-particle data compiled in the EXFOR format are indexed along with the pertinent references. If a reference includes data satisfying the criteria noted above and additional data satisfying all the criteria except energy, these additional data are also indexed.

III. DATES OF COVERAGE

For those journals included in the bibliography of the Charged Particle Data Group, Oak Ridge National Laboratory (see entry 3 of Table 1 for a cumulative list of their bibliography), the present coverage began with the first journal issue after their nominal cut-off date of January, 1976. Coverage of all other journals began with the first issue bearing a 1976 cover date. The cut-off date for the present edition is March 15, 1980. All other types of references which came to our attention between January 1, 1976, and March 15, 1980, have been scanned.

In addition, all charged-particle data compiled in the EXFOR format have been indexed along with the pertinent references. Prior work which is related directly to a current paper and which has been cited by the authors has also been included.

Table 3 lists the coverage of 27 'core' journals to give a representative sample of the present coverage. Appendix B lists all references contained in this publication. Other references have been scanned without finding pertinent entries. A complete list of the coverage may be obtained from the authors.

IV. SECONDARY SOURCES OF INFORMATION

Since this bibliography is designed to serve both as an archival and a current-awareness bibliography, abstracts, theses, progress reports, etc., have been included. However, they are present in this edition only if they have not been superseded by a primary source such as a journal or conference paper. Nevertheless, all references scanned which satisfy the criteria of sections II and III are indexed in the computerized bibliographic file and may be retrieved on request (see section IX for retrieval details).

THE BIBLIOGRAPHY OF INTEGRAL CHARGED PARTICLE NUCLEAR DATA, FOURTH EDITION
Centers Participating in the Compilation and Exchange of Charged-Particle Nuclear Data

Table 2
Centers Participating in the Compilation and Exchange
of Charged-Particle Nuclear Data*

<u>Center Code</u>	<u>Center</u>
A. CAJaD	Dr. F.E. Chukreev Center for Nuclear Structure and Reaction Data of the USSR State Committee on the Utilization of Atomic Energy Moscow, USSR (Handles dissemination for the Union of Soviet Socialist Republics and Eastern Europe)
B. KaChPaG	Prof. H. Munzel Charged Particle Nuclear Data Group Institut für Radiochemie Kernforschungszentrum Karlsruhe Postfach 3640 D-7500 Karlsruhe, Federal Republic of Germany
C. NNDC	Dr. S. Pearlstein National Nuclear Data Center Brookhaven National Laboratory Upton, NY 11973, USA (Handles dissemination for the United States of America and Canada)
D. NDS	Dr. J.J. Schmidt Nuclear Data Section IAEA, P.O.B. 590 Kernstrasse 11 1011 Vienna, Austria (All countries not covered by centers A, C, G, or I should contact NDS for information)
E.	Prof. Hajime Tanaka Department of Physics Hokkaido University Sapporo, Hokkaido, Japan
F. Harwell	Dr. G. Dearnailey Nuclear Physics Division, Hanger 8 Atomic Research Establishment Harwell, Didcot, Ox11 0RA United Kingdom
G. FIZ	Dr. H. Behrens FachInformationszentrum 7514 Eggenstein-Leopoldshafen 2 Federal Republic of Germany (Handles dissemination for the Federal Republic of Germany)
H. IBJ	Dr. A. Marcinkowski Nuclear Data Group Inst. Baden Jądrowych Hoza 69 PL-00-681 Warsaw, Poland
I. NEADB	Dr. N. Tubbs Nuclear Energy Agency Data Bank B.P. No. 9 F-91190 Gif-sur-Yvette France (Handles dissemination for Nuclear Energy Agency countries other than USA, Canada, and FRG)

*NOTE Requests for information should be directed to the appropriate
dissemination center.

THE BIBLIOGRAPHY OF INTEGRAL CHARGED PARTICLE NUCLEAR DATA, FOURTH EDITION
 'Core' Journal Coverage

Table 3
 'Core' Journal Coverage

<u>Journal</u>	<u>First Issue</u> <u>Vol (issue)</u>	<u>Last Issue</u> <u>Vol (issue)</u>
Anneles de Physique (Paris)	9(4)	4(4)
Annals of Physics (New York)	95(2)	124(1)
Australian Journal of Physics	29(1)	32(4)
Bulletin of the Academy of Sciences of the USSR, Physical Series*	39(5)	43(1)
Canadian Journal of Chemistry	53(24)	57(23)
Canadian Journal of Physics	53(23)	58(2)
Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences, Series B, Physique	281(5)	289(12)
Helvetica Physica Acta	47(2)	52(2)
International Journal of Applied Radiation and Isotopes	27(1)	30(12)
Izvestia Akademii Nauk SSSR, Seriya Fizicheskaya*	39(5)	43(11)
Journal of Inorganic and Nuclear Chemistry	38(2)	42(1)
Journal of the Physical Society of Japan	40(1)	47(6)
Journal of Physics G	2(1)	5(12)
Lettere al Nuovo Cimento, Ser. 2	14(14)	26(18)
Nuclear Instruments and Methods	131(1)	167(3)
Nuclear Physics A	256(1)	334(2)
Nuovo Cimento A	30(4)	54(2)
Physica Scripta	12(6)	20(6)
Physical Review C	13(2)	21(3)
Physical Review Letters	36(7)	44(9)
Physics Letters B	60(2)	89(4)
Revue Roumaine de Physique	20(10)	24(9)
Soviet Atomic Energy*	39(3)	46(6)
Soviet Journal of Nuclear Physics*	21(6)	29(5)
Ukrains'kii Fizichnii Zhurnal	20(10)	24(10)
Yadernaya Fizika*	21(6)	30(9)
Zeitschrift fuer Physik A	275(4)	294(1)

* The original publications were also scanned. Translations are normally issued six months after the original.

V. ORGANIZATION

This bibliography is divided into two sections. References and Isotope Production. The References section contains all references satisfying the criteria noted above and is organized as described in the next paragraph. The Isotope Production section contains an abbreviated reference line for all entries which contain information on a definite residual nucleus, on particle production, or on mass, charge, or isotopic distributions and is described below. Entries in the References section are sequentially numbered. These sequence numbers serve as a link between the two sections.

The References section is ordered by increasing Z and A of the incident particle; then by increasing Z and A of the target. Within this order, the entries are ordered by residual nucleus and outgoing particles or processes; then by quantity (e.g., cross section). All entries having the same reaction are grouped under a common heading. All entries relating to the same experiment are blocked together under the same sequence number. Within a block the entries are ordered by inverse publication date with the exception of the main reference which is always first and translations and data index lines which are always last. The blocks are ordered by increasing minimum energy. The reader is referred to Figure 1 for a detailed description of this section.

The Isotope Production section is limited in the information it contains. Only those references which include data on a definite residual nucleus, particle production, or mass, charge, or isotopic distributions are included. The information included are the isotope produced, quantity, target, incident particle, energy range, laboratory code, first author of the first reference in the block, sequence number, and data flag. The sequence number refers to the block in the Reference section where complete bibliographic information may be found. The presence of a data flag indicates that the block contains a data index line. The entries are ordered by increasing Z and A of the product with mass distributions preceding all other entries and charge distribution preceding the isotope production for that charge. Within this grouping the entries are ordered by increasing Z and A of the target; then by increasing Z and A of the incident particle; and, finally, by increasing sequence number. The reader is referred to Figure 2 for a detailed description of this section.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
<div> <div>Cu(p,x)²⁴Ne cumulative σ(E)*Factor</div> <div>Reaction and quantity measured</div> </div>					
2400	KFK Comp R	ZAED-M-15 2 079	1.0+3	3.0+3	Muenzel+ TBL. FROM EXFOR.
<div> <div>Cu(p,x)²²Na cumulative σ(E)</div> <div>LAS Expt J JIN 38 13 76 5.9+2</div> <div>Orth+ TBL. INTERLAB COMPARISON.</div> </div>					
<div> <div>Expt 4 EXFORB0096.037 679 5.9+2</div> <div>2 PTS. FRM LAS+MTR. WGHDT. AVE.</div> </div>					
<div> <div>Cu(p,x)²⁴Na cumulative σ(E)</div> <div>Laboratory code (see Appendix C for expansions)</div> </div>					
2402	MCG Expt J	NP/A 288 291 977 7.5+1			Holub+ TBL. ACTIVATION METHOD.
<div> <div>Expt 4 EXFORB0082.007 179 7.5+1</div> <div>(1.3+-0.1)MICROBARN.</div> </div>					
2403	LAS Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
<div> <div>Expt 4 EXFORB0096.039 679 5.9+2</div> <div>.3 PTS. FRM LAS+MTR. BNW. WGHDT. AVE.</div> </div>					
<div> <div>Cu(p,x)²⁴Na independent including metastable σ(E)</div> </div>					
2404	BNL Expt J	PR 171 1301 68 1.0+3 3.0+3			Hudis+ TBL. FROM NE24/NA24 RATIO.
<div> <div>Expt 4 EXFORB0078.002 078 1.0+3 3.0+3</div> <div>. 3 ENTRIES.</div> </div>					
2405	KFK Comp R	ZAED-M-15 2 079 1.0+3 3.0+3			Muenzel+ TBL. FROM EXFOR.
<div> <div>Cu(p,x)²⁴Na First Author and comments (see Appendix D for expansions)</div> </div>					
2406	BNL Expt J	PR 171 1301 68 1.0+3 3.0+3			Hudis+ TBL. RATIO NE24,CUM/NA24,IND
<div> <div>Expt 4 EXFORB0078.002 078 1.0+3 3.0+3</div> <div>. 3 ENTRIES.</div> </div>					
2407	KFK Comp R	ZAED-M-15 2 079 1.0+3 3.0+3			Muenzel+ TBL. FROM EXFOR.
<div> <div>Cu(p,x)²⁴Na cumulative? σ(E)</div> <div>Reference code (see Appendix B for explanation and expansions)</div> </div>					
2408	BNL Expt J	PR 171 1301 68 1.0+3 3.0+3			Hudis+ TBL. CORRECTED FOR RYSD MON SIG
<div> <div>Expt J PR 110 1130 58 1.0+3 5.9+3</div> <div>Caretto+ TBL. CURV. RADIOCHEMISTRY.</div> </div>					
<div> <div>Expt 4 EXFORB0078.002 078 1.0+3 3.0+3</div> <div>. 3 ENTRIES.</div> </div>					
2409	KFK Comp R	ZAED-M-15 2 079 1.0+3 3.0+3			Muenzel+ TBL. FROM EXFOR.
<div> <div>Cu(p,x)²⁴Na cumulative? σ(E)*Factor</div> <div>Entry number of reference block (see Section V)</div> </div>					
2410	BNL Expt J	PR 110 1130 58 1.0+3 5.9+3			Caretto+ TBL. CURV. RADIOCHEMISTRY.
<div> <div>Cu(p,x)²⁸Mg cumulative σ(E)</div> <div>Energy range of incident particles (in laboratory system unless otherwise noted in comments). 1.7+1=17. (See Appendix E for expansion of abbreviation)</div> </div>					
2411	LAS Expt J	JIN 38 13 76 5.9+2			
<div> <div>Expt 4 EXFORB0096.035 679 5.9+2</div> </div>					
<div> <div>Cu(p,x)³⁸Cl cumulative? σ(E)</div> </div>					
2412	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
<div> <div>Expt 4 EXFORB0085.049 179 6.0+2</div> <div>. 1 DATA POINT.</div> </div>					
<div> <div>Cu(p,x)³⁹Cl cumulative σ(E)</div> </div>					
2413	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
<div> <div>Expt 4 EXFORB0085.048 179 6.0+2</div> <div>. 1 DATA POINT.</div> </div>					
<div> <div>Cu(p,x)⁴⁰Cl cumulative σ(E)</div> <div>Data index line. Data available from cooperating centers (see Table 2)</div> </div>					
2414	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
<div> <div>Expt 4 EXFORB0085.047 179 6.0+2</div> <div>. 1 DATA POINT.</div> </div>					
<div> <div>Cu(p,x)³⁶Ar σ(E)</div> </div>					

FIGURE 1. DESCRIPTION OF REFERENCE SECTION

	Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	U	Author	No.
Isotope produced and quantity measured	⁴ He	$\sigma(E_{\beta\theta})_n \times \text{Factor}$						
	² H	t	1.3+1		LAS	E	Mc-Daniels+	S957 +
Target and incident particle	⁴ He	$\sigma(E_{\beta\theta})_n$						
	² H	t	1.2-1	1.6+0	DOE	E	Kobzev+	S952 +
	² H	t	1.5+0		LAS	E	Hemmendinger+	S953 +
	² H	t	1.5+0	1.9+0	LAS	E	Allen+	S954 +
	² H	t	2.0+1		LAS	E	Jarmie+	S955 +
	³ H	d	1.0-2	1.7+0	RIC	E	Conner+	S111 +
	³ H	d	2.2+0		MIN	E	Stratton+	S112 +
	³ H	d	1.0+1		LAS	E	Brolley+	S113 +
Energy range of incident particle (1.5+1=15)	⁴ He	$\sigma(E_{\beta\theta})_n \approx 4\pi/\sigma(E)$						
	³ H	t	1.0-1	2.5-1	LAS	O	Stewart+	S972 +
	⁴ He	relative $\sigma(E_{\beta\theta})_n$						
	³ H	t	1.0-1	2.5-1	LAS	O	Stewart+	S970 +
	⁴ He	$\sigma(E_{\beta\theta})_n$						
	² H	t	1.0+1	1.5+1	LAS	O	Drosg.	S951 +
	³ H	d	5.0+0	1.9+1	LAS	O	Drosg.	S099 +
	³ H	d	5.0+0	1.1+1	LAS	E	Mac-Daniels+	S100 +
	³ H	d	7.0+0	1.9+1	LAS	E	Simmons+	S101 +
	³ H	d	7.9+0	1.9+1	KUR	E	Brill+	S102 +
	⁴ He	d	2.7+0	3.6+0	LAS	E	Henkel+	S152 +
	⁴ He	relative $\sigma(E_{\beta\theta})$ Legendre coefficient expansion						
	³ H	d	6.2+0	1.1+1	LRL	E	Goldberg+	S084 +
	⁴ He	$\sigma(E_{\beta\theta})$ Legendre coefficient expansion						
	³ H	d	5.0-1	7.0+0	LAS	E	Bame+	S096 +
	³ H	d	1.0+0	5.0+0	VIR	E	Smith+	S097 +
	³ H	d	1.8+0	1.2+1	BNL	R	Goldberg.	S098
	³ He	d	5.9+0	1.4+1	LAS	E	Stewart+	S135 +
	⁴ He	$\sigma(E_{\beta\theta})$ Legendre coefficient expansion/ k^2						
	³ H	d	5.0+0	1.6+1	LAS	E	Mc-Daniels+	S104 +
	⁴ He	$\sigma(E_{\beta\theta})$ Legendre coefficient expansion $\approx \sigma(E)/4\pi$						
	³ H	d	5.0+0	1.9+1	LAS	O	Drosg.	S103 +
	⁴ He	relative $\sigma(E_{\beta\theta})$						
	³ H	d	5.0-1	7.0+0	LAS	E	Bame+	S081 +
	³ H	d	5.0+0	1.6+1	LAS	E	Mc-Daniels+	S082 +

FIGURE 2. DESCRIPTION OF ISOTOPE PRODUCTION SECTION

THE BIBLIOGRAPHY OF INTEGRAL CHARGED PARTICLE NUCLEAR DATA, FOURTH EDITION
Compilations and Evaluations

VI. COMPILATIONS AND EVALUATIONS

To enhance the usefulness of this publication several compilations, evaluations and reviews published prior to the present effort are given in Table 4. 'A Source List of Nuclear Data Bibliographies, Compilations, and Evaluations' contains a more comprehensive list.

Table 4

Selected Evaluations, Reviews, and Compilations of
Charged-Particle Nuclear Data

1. K.A. Keller, et al.. 'Q-Values and Excitation Functions of Nuclear Reactions.' Landolt-Bernstein, Group I, Vol. 5, Parts A-C. Springer-Verlag, Berlin (1973).
2. H.J. Kim, et al.. 'Nuclear Cross Sections for Charged-Particle-Induced Reactions.' Nucl. Data A1, 203. Academic Press, NY (1965).
Nucl. Data A2, 1. Academic Press, NY (1966).
Nucl. Data A3, 123. Academic Press, NY (1967).
3. H. Liskien and A. Paulsen. 'Neutron Production Cross Sections and Energies for the Reactions $T(p,n)^3\text{He}$, $D(d,n)^3\text{He}$, and $T(d,n)^4\text{He}$.' Nucl. Data Tables 11, 569. Academic Press, NY (1973).
'Neutron Production Cross Sections and Energies for the Reactions $^7\text{Li}(p,n)^7\text{Be}$ and $^7\text{Li}(p,n)^7\text{Be}^*$.' At. Data Nucl. Data Tables 15, 57. Academic Press, NY (1975).
4. F.K. McGowan, et al.. 'Nuclear Cross Sections for Charged-Particle Induced Reactions Mn, Fe, Co.' Oak Ridge National Laboratory Report ORNL-CPX-1 (1964).
'Nuclear Cross Sections for Charged-Particle Induced Reactions Ni, Cu.' Oak Ridge National Laboratory Report ORNL-CPX-2 (1964).
5. R.J. de Meijer, et al.. 'Tables for Reaction Gamma-Ray Spectroscopy.' At. Data Nucl. Data Tables 15, 391. Academic Press, NY (1975).
6. W. Neuberl. 'Peak Cross Sections for (H1,xn) Reactions.' Nucl. Data Tables A11, 531. Academic Press, NY (1973).
7. S. Pearlstein. 'Starter Evaluated Charged Particle Data Library.' Brookhaven National Laboratory Report BNL-19148 (1974).
8. E.K. Harburton, et al.. 'Gamma-Rays from Fusion-Evaporation Reactions in $32 < A < 46$ Nuclei.' At. Data Nucl. Data Tables 14, 147.

VII. THICK TARGET NEUTRON YIELDS

As has been noted above, this bibliography covers integral data only; that is, data which has been integrated over product angle and energy. Much of the data on thick target neutron yields are presented either as 0-degree excitation functions or secondary energy distributions and, therefore, fall outside the present scope of this publication. *Several recent symposia and articles reviewing thick target neutron yield data and methods are summarized in Table 5 for the convenience of the reader. Tables 1 and 4 and 'A Source List of Nuclear Data Bibliographies, Compilations, and Evaluations' contain additional references pertinent to neutron sources.

Table 5

Some Recent Reviews of Thick Target Neutron Sources

1. H.H. Barschall. 'Intense Sources of Fast Neutrons.' Ann. Rev. Nucl. Part. Sci. 28, 207. Annual Reviews, Inc., Palo Alto, CA. (1978).
2. M.R. Bhat and S. Pearlstein, editors. 'Symposium on Neutron Cross Sections from 10 to 40 MeV.' Brookhaven National Laboratory Report BNL-NCS-50681 (1977).

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VIII. METHODS OF RADIOISOTOPE PRODUCTION

While this publication should be very useful in providing the sources of cross section data for radioisotope production, it does not index, per se, the techniques of radioisotope or labelled compound production. The Radiopharmaceutical Research Group, Chemistry Dept., Brookhaven National Laboratory does index such techniques for accelerators.² Other bibliographies dealing with such methods may be found in 'A Source List of Nuclear Data Bibliographies, Compilations, and Evaluations'.

IX. RETRIEVAL CAPABILITIES

Retrievals may be obtained based on target nucleus, incident particle, outgoing particles or processes, residual nucleus, quantity, energy range, or any combination of these. Send requests to:

National Nuclear Data Center
Building 1970
Brookhaven National Laboratory
Upton, NY 11973
U.S.A.

For more detailed information, you should contact the authors.

All Information Analysis Centers supported by the Department of Energy are required to conform with a DOE plan for charging services. There is no charge to DOE and its contractors. However, there could be nominal charges for others. Further information will be supplied on request.

X. ACKNOWLEDGEMENTS

The authors wish to thank C.L. Dunford for his early planning of the format and scope of the computerized charged-particle bibliography. We are also grateful to G. Waite for the many hours spent scanning the literature and to R. Kinsey for aid in producing the graphics program necessary for this publication. We wish to acknowledge the timely transmittals of data compiled by the Karlsruhe Charged Particle Data Group, the Center for Nuclear Structure and Reaction Data of the USSR, and the Nuclear Data Section, International Atomic Energy Agency and to thank Karlsruhe for maintaining the charged-particle EXFOR library. We thank the staff of the National Nuclear Data Center for their aid, encouragement, and many useful suggestions and the people who have brought our attention to errors or omissions. Finally, we gratefully acknowledge Jean Burt who coauthored this publication in its first three years of existence.

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REFERENCES

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$n(p, total) \sigma(E)$				
1 WIT Theo J NP/A 283	108 677	0.0+0	1.0+4	Saloner+ CURV. FRM EXP. COUL. POT. OFF.
2 SAC Comp B PH-DAT 11	78 1.0-6	6.4+4		Bysitricky+ TBL. EITHER NP OR PN. MANY REF
$n(p, total) \sigma(E) \times \text{factor}$				
3 WAU Theo J NP/A 300	273 578	1.5+1		Henley. TBL. LNG. POL. P. PAR. NONCON ASYM.
$n(p, inelastic)^1H \sigma(E)$				
4 SAC Comp B PH-DAT 11	78 6.0+2			Bysitricky+ TBL. EITHER NP OR PN. 1 REF.
$n(p, elastic)^1H \sigma(E)$				
5 SAC Comp B PH-DAT 11	78 9.7+2	6.3+3		Bysitricky+ TBL. EITHER NP OR PN. 2 REF.
$^1H(p, x) \text{ partial } \sigma(E)$				
6 USU Theo A DA/B 37	6191 677	0.0+0	2.0+2	Rubenstein. NDG. CRCL FEYNMAN+MONTE-CARL
7 LAS Theo J PR/C 17	195 178	3.0+2	1.2+3	Ginocchio+ CURV. PI PROD. ISOBAR MODEL.
$^1H(p, absorption) \sigma(E)$				
8 VIP Eval J PR/C 15	1002 377	2.8+2	4.2+2	Arndt+ CURV.
$^1H(p, total) \sigma(E)$				
9 LAS Rev S BNL-51115	513 779	9.0+0	1.0+3	De-Vries+ CURV. CFD P-P TO N-N.
10 MSU Rev S BNL-51115	1 779	1.0+1	6.5+2	Gelbke. CURV. FROM RMP 30, 368(1958).
11 WIT Theo J NP/A 283	108 677	1.0+1	1.0+4	Saloner+ CURV. FRM EXP. COUL. POT. OFF.
12 UI Expt A DA/B 36	4552 76	1.5+1		Potter. TEST FOR PARITY CONSERVATION.
13 RUT Rev C 78GRAZ 2	164 78	9.0+1	2.0+3	Kloet. CURV. CFD. PION PROD.
14 VIP Eval J PR/C 15	1002 377	1.0+2	4.2+2	Arndt+ CURV.
15 SAC Comp B PH-DAT 11	78 1.8+2	2.0+5		Bysitricky+ TBL. 53 REFERENCES.
Comp B PH-DAT 11	78 3.2+3	4.0+5		Bysitricky+ TBL. 4 TO 32 PRONGS. MANY REF
Comp B PH-DAT 11	78 3.1+3	3.0+5		Bysitricky+ TBL. 2-PRONG. 8 REFERENCES.
Comp B PH-DAT 11	78 4.3+2	5.1+3		Bysitricky+ TBL. POLARIZED SOURCE-TARGET
$^1H(p, total) \sigma(E) \times \text{factor}$				
16 WAU Theo J NP/A 300	273 578	1.5+1		Henley. TBL. LNG. POL. P. PAR. NONCON ASYM.
$^1H(p, scattering)^1H \text{ partial } \sigma(E) \times \text{factor}$				
17 MUN Theo J NP/A 278	95 277	0.0+0	2.0+1	Albrecht+ CURV. FREE P-P SCATT. *K.
$^1H(p, inelastic)^1H \sigma(E)$				
18 SAC Comp B PH-DAT 11	78 4.4+2	4.0+7		Bysitricky+ TBL. 19 REFERENCES.
Comp B PH-DAT 11	78 3.5+3	4.0+5		Bysitricky+ TBL. 2-PRONG. 16 REFERENCES.
19 RUT Rev C 78GRAZ 2	164 78	4.5+2	2.0+3	Kloet. CURV. CFD. TOTAL.
$^1H(p, elastic)^1H \sigma(E)$				
20 MSU Rev S BNL-51115	1 779	1.0+1	6.5+2	Gelbke. CURV. FROM RMP 30, 368(1958).
21 SAC Comp B PH-DAT 11	78 7.0+1	1.5+8		Bysitricky+ TBL. 40 REFERENCES.
$^2H(p, total) \sigma(E)$				
22 WAU Theo J NP/A 300	273 578	1.5+1		Henley. 767MB OPT. MOD.
$^2H(p, total) \sigma(E) \times \text{factor}$				
23 WAU Theo J NP/A 300	273 578	1.5+1		Henley. TBL. LNG. POL. P. PAR. NONCON ASYM.
$^2H(p, n+p)^1H \sigma(E; \theta)_n$				
24 LAS Expt J PR 99	1050 55	2.3+0	3.6+0	Henkel+ TBL. LONG-COUNTER.
Expt A EXFORC0039.003	479	2.3+0	3.6+0	. 11 DATA POINTS. 0-DEGREES.
$^2H(p, inelastic)^2H \sigma(E)$				
25 UPP Rev C 78GRAZ 2	267 78	4.0+0	2.6+1	Sundqvist. CURV. CFD N-D SCATTERING.
$^2H(p, y)^3He \sigma(E) \times \text{factor}$				
26 TNL Expt J PR/C 19	601 379	8.8+0	1.1+1	Skopik+ TBL. FCT=1/4PI
$^2H(p, y)^3He \sigma(E)$				
27 TNL Expt P ORO-1667-17	43 79	8.8+0	1.1+1	Skopik+ (1.07+-0.1)MB AT 10.83 MEV.
Expt P A-TNL-78	43 79	8.8+0	1.1+1	. SAME AS ORO-1667-17.
Expt A BAP 22	1021 977	NDG		Skopik+ NDG. PEAK SIG = (1.07+-0.1)MB.
$^2H(p, y)^2He \text{ partial } \sigma(E)$				
28 TNL Expt P ORO-1667-17	43 79	8.8+0	1.1+1	Skopik+ E2 SIG = (12+-5)PRCNT TOTAL.
Expt P A-TNL-78	43 79	8.8+0	1.1+1	. SAME AS ORO-1667-17.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^3\text{H}(p,x)n \quad \sigma(E;\theta)$				
29 LAS Eval J NSE	67 190 878	1.1+1	1.5+1	Drosg. TBL. 0 DEGREE BREAKUP.
Expt 4 EXFORD0005.005	379	1.1+1	1.5+1	. 5 DATA POINTS. EXPERIMENTAL.
$^3\text{H}(p,\text{scattering})^3\text{H} \quad \sigma(E)$				
30 LAS Eval P DOE-NDC-15	127 479	NDG		Hale+ NDG. NEW DATA INCLUDED IN ANALYS.
Eval W TO NNDC	79	0.0+0	1.1+1	Hale. NDG. R-MATRIX.
$^3\text{H}(p,n)^3\text{He} \quad \sigma(E)$				
31 LAS Eval W TO BE COMPLETE	779	NDG		Hale. NDG. FROM HE4 SYSTEM ANALYSIS.
Eval P DOE-NDC-15	127 479	NDG		Hale+ NDG. NEW DATA INCLUDED IN ANALYS.
Eval W TO NNDC	79	1.0+0	1.1+1	Hale. NDG. R-MATRIX.
32 BNL Revw C 63HOUSTO	3 63	1.0+0	1.2+1	Goldberg. CURV. 5 REFERENCES.
33 FSU Theo J NP/A 321	295 679	1.0+0	1.3+1	Halderson+ CURV. RECOIL CORRECTED SHELL
34 LRL Eval W TBP UCRL-50400	79	1.0+0	2.0+1	Howerton. NDG. ENDL. ALSO ANG. DIS OF N
35 LAS Expt W PREPRINT	279	2.5+0	4.0+0	Drosg. TBL. DERIVED.
Expt 4 EXFORD0013.005	379	2.5+0	4.0+0	. 2 DATA POINTS.
36 LAS Eval J NSE	67 190 878	5.0+0	2.0+1	Drosg. TBL. INTAD. ALSO LEG. COEF.
Expt 4 EXFORD0002.007	379	5.0+0	2.0+1	. 20 POINTS. RECOMMENDED VALUES.
$^3\text{H}(p,n)^3\text{He} \quad \text{partial } \sigma(E)$				
37 PAR Theo J PL/B 66	213 177	TR	1.2+1	Dang+ CURV. J(P1)=1(-) CHANNEL.
$^3\text{H}(p,n)^3\text{He} \quad \sigma(E) \times \text{factor}$				
38 LAS Eval J NSE	67 190 878	2.0+0	2.4+1	Drosg. CURV. REDUCED SIGMA.
$^3\text{H}(p,n)^3\text{He} \quad \sigma(E;\theta)_n$				
39 LAS Expt W PREPRINT	279	2.0+0	4.0+0	Drosg. TBL.
Expt 4 EXFORD0013.002	379	2.0+0	4.0+0	. 16 DATA POINTS. 3 ENERGIES.
40 LAS Eval J NSE	67 190 878	4.0+0	2.0+1	Drosg. TBL. EXPT AND RECOMMENDED.
Eval 4 EXFORD0002.	379	4.0+0	2.0+1	. 291 POINTS. 4 SUBACCS. RECOMMENDED.
Expt 4 EXFORD0005.	379	7.0+0	1.6+1	. 43 POINTS. 3ES. 3 SUBACCS. EXPT.
41 LAS Expt J PR/C 6	1593 72	4.0+0	1.6+1	Mac-Daniels+ TBL. TOF.
Expt 4 EXFORD0008.002	379	4.0+0	1.6+1	. 13 DATA POINTS.
42 NRL Expt J PR/C 9	787 274	1.4+1		Altas+ TBL. ASSOC. PART. + TOF
Expt 4 EXFORD0010.003	379	1.4+1		. 7 DATA POINTS.
43 LAS Expt J PR/C 16	15 777	1.4+1		Jarmie+ TBL. ASSOC. PARTICLE METHOD.
Expt J PR/C 4	52 71	1.4+1		. PREVIOUS WORK.
Expt 4 EXFORD0009.005	379	1.4+1		. 9 DATA POINTS.
$^3\text{H}(p,n)^3\text{He} \quad \sigma(E;\theta)_3\text{He}$				
44 LAS Expt J PR/C 16	15 777	1.2+1	1.4+1	Jarmie+ TBL. ASSOC. PARTICLE METHOD.
Expt 4 EXFORD0009.	379	1.2+1	1.4+1	. 21 DATA POINTS. 2 ENERGIES.
45 NRL Expt J PR/C 9	787 274	1.4+1	3.3+1	Altas+ TBL. ASSOC. PART. + TOF
Expt 4 EXFORD0010.002	379	1.4+1	3.3+1	. 75 DATA POINTS. 8 ENERGIES.
$^3\text{H}(p,n)^3\text{He} \quad \sigma(E;\theta)$				
46 BNL Revw C 63HOUSTO	3 63	1.0+0	1.4+1	Goldberg. CURV. 6 REFERENCES.
47 LAS Expt W PREPRINT	279	2.0+0	4.0+0	Drosg. TBL. DERIVED.
Expt 4 EXFORD0013.002	379	2.5+0	4.0+0	. 25 DATA POINTS. 2 ENERGIES.
Expt 4 EXFORD0013.005	379	2.5+0	4.0+0	. 2 ENERGIES. 0, 180 DEGREES.
$^3\text{H}(p,n)^3\text{He} \quad \sigma(E;\theta) \text{ Legendre coefficient expansion} = \sigma(E)/4\pi$				
48 LAS Expt W PREPRINT	279	2.5+0	4.0+0	Drosg. TBL.
Expt 4 EXFORD0013.004	379	2.5+0	4.0+0	. 2 ENERGIES. 7 COEFFICIENTS.
49 LAS Eval J NSE	67 190 878	5.0+0	2.0+1	Drosg. TBL. EXPT AND RECOMMENDED.
Expt 4 EXFORD0002.005	379	5.0+0	2.0+1	. 20 ENERGIES. 11 COEFFICIENTS.
$^3\text{H}(p,n)^3\text{He} \quad \sigma(E;\theta) \text{ Legendre coefficient expansion}/k^2$				
50 BNL Revw C 63HOUSTO	3 63	2.0+0	1.3+1	Goldberg. CURV. 3 REF. 0-4 COEFF.
$^3\text{H}(p,y)^4\text{He} \quad \text{partial product yield}$				
51 OSU Expt A DA/B 39	4950 479	3.5+1	1.0+2	Kovash. NDG. THETA=6UDE6. GS+LOW STATES
$^3\text{H}(p,y)^4\text{He} \quad \sigma(E)$				
52 FLA Expt A DA/B 38	5456 578	8.0+0	3.0+1	Chise. NDG. ALSO ANG. DIST.. A2, A4.
$^6\text{LiH}(p,x)y \quad \text{relative } \sigma(E)$				
53 HRV Theo J AJ 212	595 377	7.0+1	1.1+4	Epstein. CURV. STELLAR MIX. A/P = 0.07

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁴ He(p,x) ² H relative σ(E)					
54	HRV Theo J AJ	212	595	377 7.0+1	1.1+4 Epstein. CURV. STELLAR MIX. A/P = 0.07
⁴ He(p,x) ³ He relative σ(E)					
55	HRV Theo J AJ	212	595	377 7.0+1	1.1+4 Epstein. CURV. STELLAR MIX. A/P = 0.07
³ He(p,absorption) σ(E)					
56	MRY Theo J PR/C	19	1711	579 9.0+0	8.4+1 Fonesca. CURV. FOUR-BODY MODEL.
	Theo C 78GRAZ	1	273	78 1.0+1	8.4+1 Fonesca. CURV. FOUR-BODY CALC.
57	MNA Expt J PR/C	13	451	76 1.8+1	4.8+1 Sourkes+ TBL. 10 POINTS. ATTEN TECH.
³ He(p,total) σ(E)					
58	WAU Theo J NP/A	300	273	578 1.5+1	Henley. 855MB OPT.MOD.
³ He(p,total) σ(E)×factor					
59	WAU Theo J NP/A	300	273	578 1.5+1	Henley.TBL.LNG.POL. P. PAR.NONCON ASYM.
³ He(p,elastic) ³ He σ(E)					
60	LAS Eval W TO NNDC		79	0.0+0	2.0+1 Hale. NDG. R-MATRIX.
	Theo P LA- 7596-PR	1	D78	NDG	Hale+ NDG. CHARGE-SYMMETRIC R-MATRIX
⁴ He(p,absorption) σ(E)					
61	MNA Expt J PR/C	13	451	76 1.8+1	4.8+1 Sourkes+ TBL. 16 POINTS. ATTEN TECH.
⁴ He(p,total) σ(E)					
62	CCP Exth J AE	43	290	077 2.5+0	7.7+0 Goldberg+ CURV. FROM PARTIALS.
	Theo J SJA	43	929	478 2.5+0	7.1+1 .TRANSL. AE 43(4),290(1977)
63	WAU Theo J NP/A	300	273	578 1.5+1	Henley. 1000MB. OPT. MOD.
64	MNA Exth J PR/C	18	1985	N78 2.5+1	5.5+1 Houdayer+ CURV. PHS SHFT ANAL OF EXP.
65	ALA Theo J CJP	56	1116	878 1.0+2	1.2+3 Leung+ TBL. FROM OPT. MOD. ANALYSIS.
⁴ He(p,total) σ(E)×factor					
66	WAU Theo J NP/A	300	273	578 1.5+1	Henley.TBL.LNG.POL. P. PAR.NONCON ASYM.
⁴ He(p,x)n σ(E)					
67	NMX Revu C 75WASH	2	512	375 3.0+1	2.0+2 Ahluwalia. CURV.
⁴ He(p,n+p+x) ¹ H partial σ(E)					
68	LPI Theo J YF	31	119	80 9.0+1	1.4+2 Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
⁴ He(p,p+d) ² H σ(E)					
69	CCP Theo J AE	43	290	077 3.1+1	7.1+1 Goldberg+ NDG. LESS THAN 1MB.
	Theo J SJA	43	929	478 3.1+1	7.1+1 .TRANSL. AE 43(4),290(1977)
70	LPI Theo J YF	31	119	80 9.0+1	1.4+2 Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
⁴ He(p,2p) ³ H σ(E)					
71	CCP Theo J AE	43	290	077 3.1+1	7.1+1 Goldberg+NDG.EMIS. OF 2 CORR.NUCL60SIG
	Theo J SJA	43	929	478 3.1+1	7.1+1 .TRANSL. AE 43(4),290(1977)
72	LPI Theo J YF	31	119	80 9.0+1	1.4+2 Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
⁴ He(p,n+p) ³ He σ(E)					
73	CCP Theo J AE	43	290	077 3.1+1	7.1+1 Goldberg+NDG.EMIS. OF 2 CORR.NUCL60SIG
	Theo J SJA	43	929	478 3.1+1	7.1+1 .TRANSL. AE 43(4),290(1977)
74	LPI Theo J YF	31	119	80 9.0+1	1.4+2 Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
⁴ He(p,d) ³ He σ(E)					
75	CCP Theo J AE	43	290	077 2.5+0	7.1+1 Goldberg+ CURV. DERIVED FRM INV. REACT.
	Theo J SJA	43	929	478 2.5+0	7.1+1 .TRANSL. AE 43(4),290(1977)
76	LPI Theo J YF	31	119	80 9.0+1	1.4+2 Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
⁴ He(p,scattering) ⁴ He σ(E)					
77	LAS Eval W TO NNDC		79	0.0+0	3.0+1 Hale. NDG. R-MATRIX.
	Eval P ERDA-NDC-2	103	575	NDG	Hale+ NDG. R-MATRIX FIT TO DATA.
78	NII Theo J PTP	61	1327	579 2.5+1	4.2+1 Kanada+ TBL. MICROSCOPIC STUDY.
79	OSA Theo J NP/A	331	477	N79 3.0+1	6.5+1 Saito. TBL. DATA USED IN PHASE-SHFT ANL
⁴ He(p,inelastic) ⁴ He σ(E)					
80	LPI Theo J YF	31	119	80 9.0+1	1.4+2 Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
⁴ He(p,n) ⁶ Li σ(E)					
81	CCP Theo J AE	43	290	077 3.1+1	7.1+1 Goldberg+ NDG. NOT MORE THAN 10MB

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁴ He(p,n) ⁴ Li σ(E)					
81	CCP Theo J SJA	43	929 478	3.1+1 7.1+1	.TRANSL. AE 43(4),290(1977)
⁴ He(p,x)mass distribution σ(E)					
82	CCP Theo J AE	43	290 077	2.5+0 7.1+1	Goldberg+ CURV. SUM OF A=3 PRODUCTION.
	Theo J SJA	43	929 478	2.5+0 7.1+1	.TRANSL. AE 43(4),290(1977)
Li(p,x)n product yield					
83	USP Expt A	76LOWELL	1388 776	7.0+0 1.0+1	Cybulska+ NDG. APPRECIABLE CONTINUUM
Li(p,x)n thick target yield					
84	BIR Expt A	BAP	21	1337 76	TR 3.0+0 Campbell+ NDG.
85	TNL Expt A	76LOWELL	1476 776	+1	Nelson+ NDG.
Li(p,x) ⁷ Be thick target yield					
86	FEI Expt J AE	31	157 871	2.8+0 2.2+1	Omitriev+ CURV. RESIDUAL ACTIVITY.
	Expt J SJA	31	876 71	2.8+0 2.2+1	. TRANSLATION OF AE 31, 157(1971)
	Expt 4 EXFORA0012	002 478	2.8+0 2.2+1		. 9 DATA POINTS
⁶ Li(p,absorption) σ(E)×factor					
87	LAS Theo A	BAP	22	994 977	NDG Biegert+ NDG. S-FACTOR FOR Li6 DESTRUCT
⁶ Li(p,absorption) σ(E)					
88	MNA Expt A	BAP	21	987 76	2.5+1 4.8+1 Sourkes+ NDG. MODIFIED ATTENUATION TECH
⁶ Li(p,n+p+α) ¹ H σ(E)					
89	MNA Expt A	BAP	21	535 76	2.9+1 Bonbright+ NDG
⁶ Li(p,p+α) ² H σ(E)					
90	MNA Expt A	BAP	21	535 76	2.9+1 Bonbright+ NDG
⁶ Li(p, ³ He) ⁴ He σ(E)					
91	LAS Eval W TO BE PUB.		779	1.0-4 2.5+0	Hale. TBL. ENDF-LIKE FRMT. ALSO <SIG*V>
	Eval R LA-UR-79-2896		79	1.0-1 2.5+0	Hale. PREPRINT - KNOXVILLE PAPER.
	Eval W TO NNDC		79	1.0-2 2.5+0	Hale. TAPE (ENDF-LIKE FRMT), 134 POINT
	Eval C 78HARMEL		490 78	1.0-1 2.5+0	Dodder+ CURV. R-MATRIX ANALYSIS.
92	BRK Theo J NSE	69	107 179	-2	+0 Ruby+ NDG. FROM 5 REF.
93	DEB Expt J NIM	147	287 N77	1.0-1 1.8-1	Somogyi+TBL. NDG. USE OF PLASTIC TRACK DET
94	TOH Expt J NP/A	326	47 979	1.2-1 1.0+0	Shinozuka+ TBL. CURV. ALSO A2, A4.
95	ANL Expt J PR/C	20	1984 079	1.4-1 3.0+0	Elwyn+ TBL. CURV. INTAD. CFD OTHERS.
	Expt P DOE-NDC-15		16 479	1.0-1 3.0+0	Elwyn+ CURV. PAPER IN PREPARATION.
	Expt P ANL-79-40		71 79	1.0-1 3.0+0	Elwyn+ CURV. INTAD.
	Expt P ANL-78-66		74 478	1.0-1 2.5+0	Elwyn+ CURV. INTAD.
	Expt P ANL-78-66		74 378	1.2-1 1.0+0	Elwyn+ CURV. INTAD.
96	SHI Expt J NP/A	275	93 177	1.0+0 2.6+0	Chia-Shou+ TBL. CURV. INT. ANG. DIST.
97	TNL Expt C 75WASH	2	697 375	3.0+0 1.2+1	Gould+ CURV. INTAD.
	Expt J NSE	55	267 74	3.0+0 1.2+1	Gould+ CURV. INTAD.
⁶ Li(p, ³ He) ⁴ He σ(E)×factor					
98	CAL Revv C 75WASH	2	659 375	7.5-2 3.1-1	Tombrello. CURV. MODIFIED S-FACTOR.
99	ANL Expt J PR/C	20	1984 079	1.0-1 1.0+0	Elwyn+ CURV. S-FCT. EXPT+LST-SQUARE FIT
100	TOH Expt J NP/A	326	47 979	1.2-1 1.0+0	Shinozuka+ CURV. S-FACTOR.
⁶ Li(p,scattering) ⁶ Li σ(E)					
101	LAS Eval W TO NNDC		79	0.0+0 2.5+0	Hale. NDG. R-MATRIX.
⁶ Li(p,inelastic) ⁶ Li partial σ(E)					
102	TNL Expt C 75WASH	2	697 375	3.5+0 9.0+0	Gould+ CURV. RENORM. HARRISON DATA.
⁶ Li(p,elastic) ⁶ Li σ(E)					
103	ANL Expt P ANL-79-40		71 79	-1 2.0+0	Elwyn+ NDG. TO BE MEASURED.
⁶ Li(p,γ) ⁷ Be σ(E)					
104	AML Expt J NP/A	331	50 N79	2.0-1 1.2+0	Swilkowski+ CURV. FROM 429-KEV GAMMA.
	Expt J NP/A	331	50 N79	3.0-1 1.0+0	Swilkowski+ CURV. FROM G.S. GAMMA.
⁶ Li(p,γ) ⁷ Be partial σ(E)×factor					
105	AML Expt J NP/A	331	50 N79	2.0-1 1.2+0	Swilkowski+ TBL. G.S. AND 429-KEV BR.
⁷ Li(p,absorption) σ(E)					
106	MNA Expt A	BAP	21	987 76	2.5+1 4.8+1 Sourkes+ NDG. MODIFIED ATTENUATION TECH

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
	${}^7\text{Li}(p,x)n$ partial thick target yield				
107	CRC Expt J NIM	143 331	77 1.5+1	2.3+1	Lone+ TBL. INTAD. EN .GT. 0.3 MEV.
	${}^7\text{Li}(p,\alpha){}^4\text{He}$ $\sigma(E)$				
108	DEB Expt J NIM	147 287 N77	1.0-1	1.8-1	Somogyi+TBL.NDG.USE OF PLASTICTRACK DET
	${}^7\text{Li}(p,\alpha){}^4\text{He}$ relative $\sigma(E)$				
109	UPP Expt A BAP	21 535 76	1.6+0	1.2+1	Sandhu+ NDG. RESONANCES AT 3.0,5.8,6.8
	${}^7\text{Li}(p,\text{inelastic}){}^7\text{Li}$ partial compound-nucleus $\sigma(E)$				
110	CBR Eval J AUJ	30 113 477	1.8+0	2.0+0	Barker. CURV. R-MATRIX. 2- STATE.
	${}^7\text{Li}(p,n){}^7\text{Be}$ partial $\sigma(E)$				
111	BNL Revv C 63HOUSTO	3 63 TR			+0 Goldberg. NDG.
112	KTY Revv R LA-UR-77-731	377 3.1+0	5.0+0		Brandenberger.LEG.COEF.CURV.ASS.G METHO
113	AML Expt J IRE	26 2287 479	1.2+1		Chaudri+ TBL. NO.NI. AND BREAKUP. INTAD
	${}^7\text{Li}(p,n){}^7\text{Be}$ $\sigma(E)$				
114	KTY Revv C 77NBS	212 77 1.9+0	5.8+0		Gabbard. CURV. COMP. DET. METHODS
	Revv C 77NBS	234 77 1.9+0	4.2+0		Sekharan. CURV. RES. ACT. AND 4PI DETEC
	Expt J NIM	133 253 76	+0 4.2+0		Sekharan+ CURV. 4PI NEUTRON DETECTOR.
115	LRL Eval W TBP UCRL-50400	79 1.9+0	2.0+1		Howerton. NDG. ENDL.
116	LRL Expt J PR/C	14 438 76 4.2+0	2.6+1		Poppe+ CURV. TOF. INTEGRATED ANG. DIST.
117	MSU Expt J NIM	147 399 77 2.5+1	4.5+1		Schery+ TBL. CURV. ACTIVATION METHOD.
118	INU Expt W NEWSLETTER25 9	N79 6.0+1	2.0+2		Foster+ NDG. KNOXVILLE APS MEETING.
	Expt A BAP	24 828 979 6.0+1	2.0+2		Foster+ NDG. ACTIVATION.
	Expt A BAP	24 830 979 8.0+1			Rapaport+ NDG. ACTIVATION.
	${}^7\text{Li}(p,n){}^7\text{Be}$ relative $\sigma(E)$				
119	ANL Exth R ANL-NDM-25	177 TR	1.9+0		Meadows. CURV. 0.5- AND 2.0-KEV THICK.
	${}^7\text{Li}(p,n){}^7\text{Be}$ raw $\sigma(E)$				
120	ANL Exth R ANL-NDM-25	177 NDG			Meadows. CURV. FUNC. OF MAGNETIC FIELD
	${}^7\text{Li}(p,n){}^7\text{Be}$ compound-nucleus $\sigma(E)$ =factor				
121	CBR Eval J AUJ	30 113 477 1.8+0	2.0+0		Barker.CURV.R-MAT.RED SIG NORM 1 AT TR
	${}^7\text{Li}(p,n){}^7\text{Be}$ partial raw $\sigma(E)$				
122	KTY Expt J NIM	138 321 76 3.1+0	4.9+0		Brandenberger+ LVL=0.431. ASS. G METHOD
	${}^7\text{Li}(p,n){}^7\text{Be}$ partial $\sigma(E;\theta)$				
123	BNL Revv C 63HOUSTO	3 63 TR			+0 Goldberg. LITTLE WORK SINCE FAST N.PH.
	${}^7\text{Li}(p,y){}^8\text{Be}$ partial relative $\sigma(E)$				
124	CBR Eval J AUJ	30 113 477 1.6+0	2.2+0		Barker.CURV.R-MAT.16.6+16.9MEV 2- CONT.
	${}^7\text{Li}(p,y){}^8\text{Be}$ partial product yield				
125	TNL Expt P A-TNL-79	68 79 2.2+1			Biali+ NDG. MANY TRANSITIONS.
	${}^{*6}\text{PLi}(p,x)n$ product yield				
126	INU Expt W NEWSLETTER25 8	N79 NDG			Blue. NDG. L17D. NEW EXPT.
	${}^7\text{Be}(p,y){}^8\text{B}$ $\sigma(E)$				
127	MOS Revv R PHOTONUCLE	1 78 3.6-1			Variamov+ NDG. TBL. FROM 90-DEG DATA
128	MST Expt J ZP/A 282	121 77 3.6-1			Wiezorek+ (0.17+-0.04)MICROB. DLYD. A'S
	${}^8\text{Be}(p,x)$ $\sigma(E)$				
129	CAL Revv C 75WASH	2 659 375 0.0+0	6.2-1		Tombrello. CURV. S-FAC. (P,D)+(P,A)
	${}^8\text{Be}(p,\text{absorption})$ $\sigma(E)$				
130	IJI Revv J FCY	6 827 75 9.9+0	1.0+2		Nemets+ TBL. CURV.
	Revv J SJPN	6 325 76 9.9+0	1.0+2		. TRANSLATION OF FCY 6.(4).827(75).
	${}^8\text{Be}(p,x)y$ raw thick target yield				
131	AUA Expt J AUJ	31 267 878 2.0+0	2.5+0		Bird+ TBL. THETA=135. CFD. TO OTHERS
	${}^8\text{Be}(p,x)n$ partial thick target yield				
132	CRC Expt J NIM	143 331 77 1.5+1	2.3+1		Lone+ TBL. INTAD. EN .GT. 0.3 MEV.
	${}^8\text{Be}(p,x)n$ thick target yield				
133	BIR Expt A BAP	21 1337 76 TR	3.0+0		Campbell+ NDG.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		Type				
			$^9\text{Be}(p,\alpha)^6\text{Li}$	$\sigma(E)=\text{factor}$		
134	KFI	Expt P	INDC(SEC)-6143	077 7.5-2	1.9-1	Szenitpetery. SUMMED S-FACTOR. CONSTANT.
			$^9\text{Be}(p,\alpha)^6\text{Li}$	product yield		
135	KFI	Expt P	INDC(SEC)-5064	176 5.0-2	2.0-1	Szenitpetery. NDG. WORK IN PROGRESS.
			$^9\text{Be}(p,\alpha)^6\text{Li}$	partial $\sigma(E)$		
136	KTO	Expt J	BCR 52	177 174 4.6+0	5.5+0	Yasue+ TBL. A(0)-A(2) GRPS.
			$^9\text{Be}(p,x)^7\text{Be}$	$\sigma(E)$		
137	TOK	Expt J	JIN 38	1425 76 1.5+1	5.2+1	Inoue+ CURV. STACKED FOIL METHOD.
			$^9\text{Be}(p,t)^7\text{Be}$	thick target yield		
138	FEI	Expt J	AE 31	157 871 2.2+1		Dmitriev+ CURV. RESIDUAL ACTIVITY.
		Expt J	SJA 31	876 71 2.2+1		. TRANSLATION OF AE 31, 157(1971)
		Expt 4	EXFORA0012.006	478 2.2+1		. 10.6+-1.4MUC1/MUAHR.
			$^9\text{Be}(p,d)^8\text{Be}$	$\sigma(E)=\text{factor}$		
139	KFI	Expt P	INDC(SEC)-6143	077 5.0-2	1.8-1	Szenitpetery. SUMMED S-FACTOR. 221070MEVB.
140	KFI	Expt P	INDC(SEC)-5064	176 5.0-2	2.0-1	Szenitpetery. NDG. WORK IN PROGRESS.
			$^9\text{Be}(p,\text{inelastic})^9\text{Be}$	partial $\sigma(E)=\text{factor}$		
141	KTO	Expt J	BCR 52	177 174 4.0+0	6.0+0	Yasue+ CURV. P(2) GRP. FCT=1/4PI.
			$^9\text{Be}(p,n)^8\text{B}$	$\sigma(E)$		
142	TNL	Expt A	BAP 24	828 979 9.0+0	1.6+1	Byrd+ NDG. LEG. COEFF.
			$^9\text{Be}(p,n)^8\text{B}$	partial $\sigma(E)$		
143	TNL	Expt P	A-TNL-79	33 79 8.0+0	1.6+1	Byrd+ CURV. INTAD. NO GROUP.
			$\text{B}(p,\text{absorption})$	$\sigma(E)$		
144	MNA	Expt A	BAP 21	789 76 2.0+1	5.0+1	Nasr+ NDG.
			$\text{B}(p,x)\gamma$	raw thick target yield		
145	AUA	Expt J	AUJ 31	267 878 2.0+0	2.5+0	Bird+ TBL. THETA=135. CFD. TO OTHERS
			$^8\text{B}(p,x)^7\text{Be}$	thick target yield		
146	FEI	Expt J	AE 31	157 871 2.8+0	2.2+1	Dmitriev+ CURV. RESIDUAL ACTIVITY.
		Expt J	SJA 31	876 71 2.8+0	2.2+1	. TRANSLATION OF AE 31, 157(1971)
		Expt 4	EXFORA0012.004	478 2.8+0	2.2+1	. 9 DATA POINTS
			$^8\text{B}(p,x)^7\text{Be}$	$\sigma(E)$		
147	TOK	Expt J	JIN 38	1425 76 4.0+0	5.2+1	Inoue+ CURV. STACKED FOIL METHOD.
			$^{10}\text{B}(p,^3\text{He}+\alpha)^4\text{He}$	$\sigma(E)$		
148	LRL	Eval W	TBP UCRL-50400	79 4.8-1	2.0+1	Howerton. NDG. ENDL.
			$^{10}\text{B}(p,\alpha)^7\text{Be}$	$\sigma(E)$		
149	CLU	Expt J	AJ 205	302 76 7.6-2	2.9+0	Roughton+ TBL. COEFF. FROM FIT TO TTY.
		Expt C	75WASH 1	69 375 NDG		. MORE TECHNICAL DETAILS.
150	LRL	Eval W	TBP UCRL-50400	79 1.0-1	2.0+1	Howerton. NDG. ENDL.
151	FLA	Expt A	DA/B 38	5454 578 8.0-1	2.5+0	Griggs. NDG. RESONANCES OBSERVED.
		Expt A	BAP 21	514 76 8.0-1	2.5+0	Griggs+ NDG. OBSERVED STRONG RESONANCES
			$^{10}\text{B}(p,\alpha)^7\text{Be}$	partial relative $\sigma(E)$		
152	STR	Expt J	PR/C 20	1583 079 2.0+0	4.1+0	Rihet+ CURV. 429-KEV G.
			$^{10}\text{B}(p,\alpha)^7\text{Be}$	thick target yield		
153	CLU	Exth J	AND 23	177 279 7.6-2	2.9+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
		Expt J	AJ 205	302 76 7.6-2	2.9+0	Roughton+ NDG. ALSO STELLAR REACT. RATE
		Expt J	ANE 2	503 775 7.6-2	2.9+0	Peterson+ CURV. ALSO STELLAR REAC. RATE
		Expt C	75WASH 1	69 375 7.6-2	2.9+0	Roughton+ NDG. ALSO STELLAR REAC. RATE.
		Expt J	AJ 193	187 074 NDG		. MORE TECHNICAL DETAILS.
		Expt J	AJ 188	595 374 NDG		. MORE TECHNICAL DETAILS.
			$^{10}\text{B}(p,^3\text{He})^8\text{Be}$	$\sigma(E)$		
154	LRL	Eval W	TBP UCRL-50400	79 5.0-3	2.0+1	Howerton. NDG. ENDL.
			$^{10}\text{B}(p,\text{inelastic})^{10}\text{B}$	partial relative $\sigma(E)_\gamma$		
155	STR	Expt J	PR/C 20	1583 079 2.0+0	4.1+0	Rihet+ CURV. 718-KEV G.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
	¹⁰ B(p,2n) ⁹ C	product yield				
156	BRK Revw J	ARN 27 333 77	NDG		Cerny+	TBL. PRODUCTION DELAYED-P PRECUR
	¹⁰ B(p,y) ¹¹ C	partial relative σ(E)				
157	HLS Expt J	PR/C 20 920 979	1.1+0		Anttila+	TBL. 7 GS. ALSO Al, A2.
	¹⁰ B(p,y) ¹¹ C	thick target yield				
158	CLU Exth J	AND 23 177 279	4.0-1	2.9+0	Roughton+	TBL. ALSO STELLAR REACT. RATE
	Expt J	AJ 205 302 76	4.0-1	2.9+0	Roughton+	NDG. ALSO STELLAR REACT. RATE
	Expt J	ANE 2 503 775	4.0-1	2.9+0	Peterson+	CURV. ALSO STELLAR REAC. RATE
	Expt C	75WASH 1 69 375	4.0-1	2.9+0	Roughton+	NDG. ALSO STELLAR REAC. RATE.
	Expt J	AJ 193 187 074	NDG			. MORE TECHNICAL DETAILS.
	Expt J	AJ 188 595 374	NDG			. MORE TECHNICAL DETAILS.
	¹⁰ B(p,y) ¹¹ C	σ(E)				
159	CLU Expt J	AJ 205 302 76	4.0-1	2.9+0	Roughton+	TBL. COEFF. FROM FIT TO TTY.
	Expt C	75WASH 1 69 375	NDG			. MORE TECHNICAL DETAILS.
	¹¹ B(p,2α) ⁴ He	σ(E)				
160	LAS Eval W	TO NNDC 079 5.0-4	3.0+0		Hale.	TAPE(ENDF-LIKE FRMT) 89 POINTS
161	LRL Eval W	TBP UCRL-50400 79 6.8-2	2.0+1		Howerton.	NDG. ENDL.
162	CAL Expt J	NP/A 315 253 279	2.1-1	3.3-1	Davidson+	TBL. INTAD.
	Expt J	NP/A 315 253 279	3.5-2	1.4+0	Davidson+	CURV. INTAD.
	Revw C	75WASH 2 659 375	1.0-1	1.5+0	Tombrello.	CURV.
163	UI Theo C	75WASH 2 716 375	3.0-1	1.0+2	Miley+	CURV. SEMI-EMPIRICAL FORMULA.
	Theo R	COO-2218-17 75 3.5-2	2.0+0		Miley+	TBL. CURV. SEMI-EMP. ALSO REACTIVITY
	¹¹ B(p,2α) ⁴ He	σ(E) × factor				
164	CAL Expt J	NP/A 315 253 279	1.2-1	2.0-1	Davidson+	CURV. CENTER-OF-MASS S FACTOR
	Expt J	NP/A 315 253 279	0.0+0	1.6+0	Davidson+	CURV. CENTER-OF-MASS S FACTOR
	¹¹ B(p,2α) ⁴ He	partial σ(E)				
165	KTO Expt C	77TOKYO 165 977 6.5+0	7.3+0		Ohsawa+	CURV. A0, A1 GRPS. 3A RES. IN C12
	¹¹ B(p,α) ⁸ Be	partial σ(E)				
166	CAL Expt J	NP/A 315 253 279	2.0-1	1.4+0	Davidson+	CURV. INTAD. A0 GROUP.
167	JUL Eval P	JUEL-SPEZ-1515 678 5.0-1	5.0+1		Buck+	CURV. INTAD. CFD. DWBA + OTHERS.
	Expt P	JUEL-1976 19 76 2.3+1			Rohwer+	CURV. A0 GROUP. INTAD.
168	MIL Theo J	NIM 146 265 077	2.0+1	5.0+1	Gadioli+	CURV. PRE-EQUIL. MODEL. A0 GRP
	Theo J	NCL 15 83 176	2.0+1	4.5+1	Gadioli+	CURV. EXCITON MODEL. A10 GRP.
	¹¹ B(p,α) ⁸ Be	partial compound-nucleus σ(E)				
169	BOC Theo C	75MRYLND 197 75 3.0+0	8.0+0		Borchers+	G.5. 9.4MB. 8TH RESON IN C12.
	¹¹ B(p,α) ⁸ Be	σ(E) × factor				
170	KFI Expt P	INDC(SEC)-5064 176 5.0-2	2.0-1		Szentpetery.	NDG. WORK BEING PLANNED.
	¹¹ B(p,inelastic) ¹¹ B	partial compound-nucleus σ(E)				
171	BOC Theo C	75MRYLND 197 75 3.0+0	8.0+0		Borchers+	113MB. PIGROUP. 8TH RESON IN C12
	¹¹ B(p,n) ¹¹ C	σ(E)				
172	OUA Eval J	IRE 26 1713 279	TR	2.2+1	Wieland+	CURV.
173	HRV Expt J	PR 88 19 52	2.0-1	9.9+1	Hintz+	CURV. STACKED FOILS.
	Expt J	PR 83 151 51	2.0-1	9.9+1		. PRELIMINARY VALUES.
	Expt 4	EXFORB0076.007 078 2.0-1	9.9+1			. 31 DATA POINTS.
174	KFK Comp B	PH-DAT 15 2 079	2.0-1	9.8+1	Muenzel+	TBL. FROM EXFOR.
175	LRL Eval W	TBP UCRL-50400 79 3.0+0	2.0+1		Howerton.	NDG. ENDL.
176	TUD Theo P	ZFK-350 70 578	3.5+0	8.5+0	Hohn+	CURV. CONTINUUM-SHELL MODEL CFD EXP
177	MIL Theo J	NIM 146 265 077	3.0+1	1.1+2	Gadioli+	CURV. PRE-EQUIL. MODEL.
	Theo J	NCL 15 83 176	3.0+1	1.1+2	Gadioli+	CURV. EXCITON MODEL.
178	PAR Expt J	JPR 23 1000 62	3.6+1	1.5+2	Albouy+	CURV. CFD CASCADE MODEL.
	Expt 4	EXFORB0106.002 079 3.6+1	1.5+2			. 13 DATA POINTS
	¹¹ B(p,n) ¹¹ C	thick target yield				
179	OUA Eval J	IRE 26 1713 279	TR	2.0+1	Wieland+	CURV. SATUR. YLD. FROM SIGMA.
	Eval A	JLCR 16 103 79	TR	2.0+1	Wieland+	CURV. SATUR. YLD. FROM SIGMA.
180	JUL Revw C	78HARKEL 667 78 2.0+1			Stocklin+	TBL. SATURATION YLD.
	¹¹ B(p,n) ¹¹ C	relative σ(E)				
181	ANL Exth R	ANL-NDM-25 177	TR	3.0+0	Meadows.	CURV. 0.5- AND 2.0-KEV THICK.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		¹¹ B(p,n) ¹¹ C				product yield
182	KTY Expt P	U/KTY-77 138	77	NDG	Reed+	NDG. FOR RADIOCOMPOUNDS.
		¹¹ B(p,n) ¹¹ C				σ(E)×factor
183	HAM Expt P	NEANDC(E)-1925	478	NDG	Kofahl+CURV.	EANDC(E)-157+75WASH,819
		¹¹ B(p,n) ¹¹ C				direct-interaction σ(E)
184	TUD Theo P	ZFK-350 70	578	3.5+0 8.5+0	Hohn+CURV.	CONTINUUM-SHELL MODEL CFD EXP
		¹¹ B(p,n) ¹¹ C				partial σ(E)
185	TUD Theo P	ZFK-350 70	578	3.5+0 8.5+0	Hohn+CURV.	CONTINUUM-SHELL MODEL CFD EXP
		¹¹ B(p,y) ¹² C				partial σ(E)
186	ORL theo A	BAP 24	609	479	NDG	Ramavatram+ NDG. E1. INTERMED.-COUPLING
187	WAU Expt J	NP/A 285	189	777	6.0+0 2.3+1	Snover+ CURV. TBL.G0-G3.
		¹¹ B(p,y) ¹² C				relative I _y
188	OSU Theo J	PRL 42	1254	579	4.0+1	Arnold. CURV. QUALITATIVE FEATURES
		¹¹ B(p,y) ¹² C				partial product yield
189	OSU Expt A	DA/B 39	4950	479	3.5+1 1.0+2	Kovash. NDG. THETA=60DEG. GS+LOW STATES
		¹¹ B(p,y) ¹² C				σ(E)
190	INU Expt W	NEWSLETTER2511	N79	TR	3.5+1	Blatt+ NDG. FOR 79VANCOUVER MEETING.
	Expt W	NEWSLETTER2512	N79	TR	3.5+1	Blatt+ NDG. FOR 79 ORNL CONFERENCE.
		^{ex11} B(p,x) ¹¹ C				product yield
191	UPP Expt P	KDK-23 9	478	2.0+1	Lundqvist+	NDG. 11C02 FRM B203.
	Expt P	NEANDC(OR)150	477	2.0+1	Lundqvist+NDG.	PROD. LABELLED CMP. P.15
	Expt P	NEANDC(OR)146	476	2.0+1	Lundqvist+NDG.	PROD. LABELLED CMP. P.16
		C(p,absorption)				σ(E)
192	IJI Revv J	FCY 6	827	75	9.0+0 1.3+2	Nemets+ CURV. TBL.
	Revv J	SJPN 6	335	76	9.0+0 1.3+2	. TRANSLATION OF FCY 6,(4),827(75).
		C(p,inelastic)				σ(E)
193	MNA Exth J	NIM 143	589	77	5.0+0 5.0+1	Sourkes+ TBL. FRM OTHER SOURCES.
		C(p,x)y				σ(E)
194	WAU Expt P	A-WAU-78 1	778	TR	2.4+1	Bodansky+ NDG.
	Expt A	BAP 22	583	477	2.0+0 2.4+1	Oyer+ NDG.
		C(p,x)y				thick target yield
195	CCP Expt R	YK- 21 73	76	1.2+1 2.3+1	Malusevich+ CURV. TBL. THETA = 0 DEG.	
	Expt R	INDC(CCP)-103	577	1.2+1 2.3+1	.TRANSLATION OF T. OF C.(YK 21,73(1976)	
		C(p,x)y				partial thick target yield
196	TOK Expt J	NIM 151	493	78	5.2+1	Nakamura+TBL.EXP.+RENRM.FRWRD HEMI.EG>2
		C(p,x)n				σ(E)
197	NMX Revv C	75WASH 2	512	375	3.0+1 2.0+2	Ahluwalia. CURV.
		C(p,x)n				partial thick target yield
198	TOK Expt J	NIM 151	493	78	5.2+1	Nakamura+TBL.EXP.+RENRM.FRWRD HEMI.EN>5
		¹² C(p,x)				spallation σ(E)×factor
199	NRL Revv J	AJ/S 35	137	077	1.5+2	Silberberg+ TBL. RATIO CALC./EXPT.
		¹² C(p,absorption)				σ(E)
200	LAS Revv S	BNL-51115	513	779	1.0+1 1.1+3	De-Vries+ CURV. FROM NP/A 183.
	Revv S	BNL-51115	513	779	5.4+0 5.4+2	De-Vries+ CURV. CFD EXPT AND MODEL
201	ORL Theo C	77BNL	515	77	2.8+1 6.5+1	Gabriel+CURV. INTRA-NUCLEAR CASCADE MOD
202	IAS Theo J	PR/C 20	1857	N/4	1.0+2 2.0+3	Ray. CURV. SECOND-ORDER KMT FORMALISM.
203	TAM Theo J	PR/C 19	896	379	1.0+2 1.0+5	Ernst+ CURV. IMPULSE APP.+EIKONAL
		¹² C(p,total)				σ(E)
204	LAS Theo J	PRL 43	1373	N79	5.0+0 5.0+2	De-Vries+ CURV. SEMI-CLASSICAL CFD EXPT
	Theo J	PR/C 20	1857	N79	1.0+2 2.0+3	Ray. CURV. SECOND-ORDER KMT FORMALISM.
		¹² C(p,x) ² H				σ(E)
205	DUB Expt R	JINR-1-7653	73	6.6+2	Bogalin+	SOLID-STATE TELESCOPE.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{12}\text{C}(p,x)^2\text{H}$			$\sigma(\text{E})$
205	DUB Expt 4	EXFORA0020.002	379	6.6+2	. 1 DATA POINT. ED=5 TO 14 MEV.
		$^{12}\text{C}(p,x)^3\text{H}$			$\sigma(\text{E})$
206	DUB Expt 4	JINR-1-7653 EXFORA0020.002	73	6.6+2 379 6.6+2	Bogatin+ SOLID-STATE TELESCOPE. . 1 DATA POINT. ET=6 TO 33 MEV.
		$^{12}\text{C}(p,x)^3\text{He}$			$\sigma(\text{E})$
207	DUB Expt R	JINR-1-7653	73	6.6+2	Bogatin+ SOLID-STATE TELESCOPE.
	Expt 4	EXFORA0020.002	379	6.6+2	. 1 DATA POINT. E(HE3)=6-33 MEV.
		$^{12}\text{C}(p,x)^4\text{He}$			$\sigma(\text{E})$
208	DUB Expt R	JINR-1-7653	73	6.6+2	Bogatin+ SOLID-STATE TELESCOPE.
	Expt 4	EXFORA0020.002	379	6.6+2	. 1 DATA POINT. EA=8 TO 33 MEV.
		$^{12}\text{C}(p,2p+^3\text{He}+x)^4\text{He}$			$\sigma(\text{E})$
209	LPI Theo J YF	31	119	80 9.0+1	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(p,3p+d+x)^4\text{He}$			$\sigma(\text{E})$
210	LPI Theo J YF	31	119	80 9.0+1	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(p,p+d+^3\text{He}+x)^4\text{He}$			$\sigma(\text{E})$
211	LPI Theo J YF	31	119	80 9.0+1	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(p,2p+2d+x)^4\text{He}$			$\sigma(\text{E})$
212	LPI Theo J YF	31	119	80 9.0+1	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(p,2p+a+x)^4\text{He}$			$\sigma(\text{E})$
213	LPI Theo J YF	31	119	80 9.0+1	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(p,p+t+^3\text{He}+x)^4\text{He}$			$\sigma(\text{E})$
214	LPI Theo J YF	31	119	80 9.0+1	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(p,p+3d+x)^4\text{He}$			$\sigma(\text{E})$
215	LPI Theo J YF	31	119	80 9.0+1	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(p,p+d+a+x)^4\text{He}$			$\sigma(\text{E})$
216	LPI Theo J YF	31	119	80 9.0+1	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(p,2p+2d+t)^4\text{He}$			$\sigma(\text{E})$
217	LPI Theo J YF	31	119	80 9.0+1	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(p,p+d+t+^3\text{He})^4\text{He}$			$\sigma(\text{E})$
218	LPI Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J BAS	43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
219	LPI Theo J YF	31	119	80 9.0+1	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(p,p+2d+a)^4\text{He}$			$\sigma(\text{E})$
220	LPI Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J BAS	43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
221	LPI Theo J YF	31	119	80 9.0+1	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(p,2p+t+a)^4\text{He}$			$\sigma(\text{E})$
222	LPI Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J BAS	43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
223	LPI Theo J YF	31	119	80 9.0+1	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(p,p+2a)^4\text{He}$			$\sigma(\text{E})$
224	LPI Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J BAS	43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
225	LPI Theo J YF	31	119	80 9.0+1	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(p,d+t+a+x)^4\text{He}$			$\sigma(\text{E})$
226	LPI Theo J YF	31	119	80 9.0+1	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(p,d+^3\text{He}+a)^4\text{He}$			$\sigma(\text{E})$
227	LPI Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J BAS	43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		$^{12}\text{C}(p,^3\text{He}+a+x)^4\text{He}$			$\sigma(\text{E})$
228	LPI Theo J YF	31	119	80 9.0+1	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{12}\text{C}(p,3p+\alpha)^8\text{He}$ $\sigma(E)$						
229	LPI	Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{12}\text{C}(p,x)^6\text{Li}$ relative $\sigma(E)$						
230	PAR	Exth J	PR/C 15	2159	677 1.0+3	Fontes. RELATIVE CONTRIBUTION.
$^{12}\text{C}(p,p+t+^3\text{He})^6\text{Li}$ $\sigma(E)$						
231	LPI	Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{12}\text{C}(p,p+d+\alpha)^6\text{Li}$ $\sigma(E)$						
232	LPI	Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{12}\text{C}(p,p+^6\text{Li})^6\text{Li}$ $\sigma(E)$						
233	LPI	Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	YF 27	7 178	5.0+1	Golikov+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	YF 14	676	71 5.0+1	. INSTRUMENTATION.
		Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		Expt J	SNP 27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
		Expt J	SNP 14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
		Expt 4	EXFORA0018.002	379	5.0+1	. 1 DATA POINT.
$^{12}\text{C}(p,^3\text{He}+\alpha)^6\text{Li}$ $\sigma(E)$						
234	LPI	Expt J	SNP 14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
235	LPI	Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	YF 27	7 178	5.0+1	Golikov+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	YF 14	676	71 5.0+1	. INSTRUMENTATION.
		Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		Expt J	SNP 27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
		Expt 4	EXFORA0018.002	379	5.0+1	. 1 DATA POINT. FROM YF 27, 7(1978).
$^{12}\text{C}(p,x)^7\text{Li}$ relative $\sigma(E)$						
236	PAR	Exth J	PR/C 15	2159	677 1.0+3	Fontes. RELATIVE CONTRIBUTION.
$^{12}\text{C}(p,x)^7\text{Li}$ $\sigma(E)$						
237	MRY	Expt J	PR/C 14	410	76 1.0+2	Roche+ (9.6+-2.4)MB
$^{12}\text{C}(p,p+d+^3\text{He})^7\text{Li}$ $\sigma(E)$						
238	LPI	Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{12}\text{C}(p,2p+\alpha)^7\text{Li}$ $\sigma(E)$						
239	LPI	Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{12}\text{C}(p,2^3\text{He})^7\text{Li}$ $\sigma(E)$						
240	LPI	Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	YF 27	7 178	5.0+1	Golikov+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	YF 14	676	71 5.0+1	. INSTRUMENTATION.
		Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		Expt J	SNP 27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
		Expt J	SNP 14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
		Expt 4	EXFORA0018.002	379	5.0+1	. 1 DATA POINT. FROM YF 27, 7(1978).
$^{12}\text{C}(p,x)^7\text{Be}$ $\sigma(E)$						
241	BNL	Expt C	75NASH 2	509	375 2.5+1	1.6+2 Armini+ CURV.
242	BNL	Eval J	ARN 13	261	63 5.0+1	2.8+4 Cumming. CURV. TBL. FROM 8 REFERENCES.
		Eval 4	EXFORB0022.006	77	5.0+1	2.8+4 . 15 DATA POINTS.
243	KFK	Comp B	PH-DAT 15	1	079 5.0+1	2.8+4 Muenzel+ TBL. FROM EXFOR.
244	MRY	Expt J	PR/C 14	410	76 1.0+2	Roche+ (11.5+-2.6)MB
$^{12}\text{C}(p,x)^7\text{Be}$ relative $\sigma(E)$						
245	PAR	Exth J	PR/C 15	2159	677 1.0+3	Fontes. RELATIVE CONTRIBUTION.
$^{12}\text{C}(p,p+d+t)^7\text{Be}$ $\sigma(E)$						
246	LPI	Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.

REFERENCES(cont)

No. Lab Work	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
Type				
$^{12}\text{C}(p,d+\alpha)^7\text{Be}$ $\sigma(E)$				
247 LPI Expt J IZV	43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
Expt J YF	27	7	178 5.0+1	Golikov+ TBL. EMULSION. KIN. ANALYSIS.
Expt J YF	14	676	71 5.0+1	. INSTRUMENTATION.
Expt J BAS	43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
Expt J SNP	27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1970).
Expt J SNP	14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
Expt 4 EXFORA0018.002	379	5.0+1		. 1 DATA POINT. FROM YF 27, 7(1978).
$^{12}\text{C}(p, t+^3\text{He})^7\text{Be}$ $\sigma(E)$				
248 LPI Expt J IZV	43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
Expt J YF	27	7	178 5.0+1	Golikov+ TBL. EMULSION. KIN. ANALYSIS.
Expt J YF	14	676	71 5.0+1	. INSTRUMENTATION.
Expt J BAS	43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
Expt J SNP	27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
Expt J SNP	14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
Expt 4 EXFORA0018.002	379	5.0+1		. 1 DATA POINT. FROM YF 27, 7(1978).
$^{12}\text{C}(p, x)^9\text{Be}$ relative $\sigma(E)$				
249 PAR Exth J PR/C	15	2159	677 1.0+3	Fontes. RELATIVE CONTRIBUTION.
$^{12}\text{C}(p, 2p+d)^9\text{Be}$ $\sigma(E)$				
250 LPI Expt J IZV	43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
Expt J BAS	43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{12}\text{C}(p, p+^3\text{He})^9\text{Be}$ $\sigma(E)$				
251 LPI Expt J IZV	43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
Expt J YF	27	7	178 5.0+1	Golikov+ TBL. EMULSION. KIN. ANALYSIS.
Expt J YF	14	676	71 5.0+1	. INSTRUMENTATION.
Expt J BAS	43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
Expt J SNP	27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
Expt J SNP	14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
Expt 4 EXFORA0018.002	379	5.0+1		. 1 DATA POINT. FROM YF 27, 7(1978).
$^{12}\text{C}(p, x)^{10}\text{Be}$ relative $\sigma(E)$				
252 PAR Exth J PR/C	15	2159	677 1.0+3	Fontes. RELATIVE CONTRIBUTION.
$^{12}\text{C}(p, x)^{10}\text{Be}$ $\sigma(E)$				
253 MRY Expt J PR/C	14	410	76 1.0+2	Roche+ (0.5+0.4-0.2)MB
$^{12}\text{C}(p, 3p)^{10}\text{Be}$ $\sigma(E)$				
254 LPI Expt J IZV	43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
Expt J BAS	43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{12}\text{C}(p, \alpha)^9\text{B}$ partial $\sigma(E)$				
255 JUL Expt P JUEL-1976	19	76	2.3+1	Rohwer+ CURV. AD GROUP. INTAD.
$^{12}\text{C}(p, x)^{10}\text{B}$ partial $\sigma(E)$				
256 GSF Eval J AJ/S	40	487	779 2.0+1 4.0+2	Ramaty+ CURV. 0.717-MEV GAMMA.
Eval R NASA-TM-79654	79	2.0+1 4.0+2		. SAME AS AJ/S 40, 487(1979).
$^{12}\text{C}(p, x)^{10}\text{B}$ relative $\sigma(E)$				
257 PAR Exth J PR/C	15	2159	677 1.0+3	Fontes. RELATIVE CONTRIBUTION.
$^{12}\text{C}(p, n+2p)^{10}\text{B}$ cumulative $\sigma(E)$ x factor				
258 PAR Exth J PR/C	15	2159	677 4.1+1 2.5+4	Fontes. TBL. B11/B10 RATIO. STCKD FOILS
Expt 4 EXFORB0092.002	579	4.1+1 2.5+4		. 5 DATA POINTS. RATIO (P,2P)/(P,N2P)
$^{12}\text{C}(p, n+2p)^{10}\text{B}$ cumulative $\sigma(E)$				
259 PAR Exth J PR/C	15	2159	677 4.1+1 2.5+4	Fontes. TBL. CURV. STACKED FOILS.
Expt 4 EXFORB0092.002	579	4.1+1 2.5+4		. 5 DATA POINTS.
$^{12}\text{C}(p, p+d)^{10}\text{B}$ $\sigma(E)$				
260 LPI Expt J IZV	43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
Expt J YF	27	7	178 5.0+1	Golikov+ TBL. EMULSION. KIN. ANALYSIS.
Expt J YF	14	676	71 5.0+1	. INSTRUMENTATION.
Expt J BAS	43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
Expt J SNP	27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
Expt J SNP	14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
Expt 4 EXFORA0018.002	379	5.0+1		. 1 DATA POINT. FROM YF 27, 7(1978).

REFERENCES(cont)

No.	Lab	Work	Reference	Emin	Emax	Author.	Comments
		Type		(MeV)	(MeV)		
$^{12}\text{C}(\text{p},\text{x})^{11}\text{B}$ relative $\sigma(\text{E})$							
261	PAR	Ext h J	PR/C 15 2159 677	1.0+3		Fontes.	RELATIVE CONTRIBUTION.
$^{12}\text{C}(\text{p},2\text{p})^{11}\text{B}$ $\sigma(\text{E})$							
262	LPI	Expt J	IZV 43 148 79 5.0+1			Vdovin+	TBL. EMULSION. KIN. ANALYSIS.
		Expt J	YF 27 7 178 5.0+1			Golikov+	TBL. EMULSION. KIN. ANALYSIS.
		Expt J	YF 14 676 71 5.0+1			.	INSTRUMENTATION.
		Expt J	BAS 43 124 79 5.0+1			.	TRANSLATION OF IZV 43(1), 148.
		Expt J	SNP 27 3 78 5.0+1			.	TRANSLATION OF YF 27, 7(1978).
		Expt J	SNP 14 379 472 5.0+1			.	TRANSLATION OF YF 14, 676(1971).
		Expt 4	EXFORA0018.002 379 5.0+1			.	1 DATA POINT. FROM YF 27, 7(1978).
$^{12}\text{C}(\text{p},2\text{p})^{11}\text{B}$ cumulative $\sigma(\text{E}) \times \text{factor}$							
263	PAR	Ext h J	PR/C 15 2159 677 4.1+1	2.5+4		Fontes.	TBL. B11/B10 RATIO. STCKD FOILS
		Expt 4	EXFORB0092.002 579 4.1+1	2.5+4		.	5 DATA POINTS. RATIO (P,2P)/(P,N2P)
$^{12}\text{C}(\text{p},2\text{p})^{11}\text{B}$ cumulative $\sigma(\text{E})$							
264	PAR	Ext h J	PR/C 15 2159 677 4.1+1	2.5+4		Fontes.	TBL. CURV. STACKED FOILS.
		Expt 4	EXFORB0092.002 579 4.1+1	2.5+4		.	5 DATA POINTS.
$^{12}\text{C}(\text{p},2\text{p})^{11}\text{B}$ partial $\sigma(\text{E})$							
265	GSF	Eval J	AJ/S 40 487 779 2.0+1	1.0+3		Ramaty+	CURV. 4.444-MEV LVL.
		Eval J	AJ/S 40 487 779 2.0+1	4.0+2		Ramaty+	CURV. 1.995-.2.124-MEV GAMMAS.
		Eval R	NASA-TM-79654 79 2.0+1	1.0+3		.	SAME AS AJ/S 40, 487(1979).
266	LPI	Expt J	YF 14 379 071 5.0+1			Loshchakov+	G.S. 23.8+-4.5MB. EMULSION.
		Expt J	SNP 14 379 472 5.0+1			.	TRANSLATION OF YF 14, 676(1971).
$^{12}\text{C}(\text{p},2\text{p})^{11}\text{B}$ product yield							
267	INU	Expt W	IUCFNEWSLETTER 77	1.0-2		Devins+	NDG.
$^{12}\text{C}(\text{p},\text{x})^{10}\text{C}$ $\sigma(\text{E})$							
268	LPI	Theo J	YF 31 119 80 9.0+1			Dmitriev+	TBL. DYNAMICAL MODEL. CFD EXP
$^{12}\text{C}(\text{p},\text{x})^{11}\text{C}$ partial $\sigma(\text{E})$							
269	GSF	Eval J	AJ/S 40 487 779 2.0+1	4.0+2		Ramaty+	CURV. 1.995-.2.124-MEV GAMMAS.
		Eval R	NASA-TM-79654 79 2.0+1	4.0+2		.	SAME AS AJ/S 40, 487(1979).
$^{12}\text{C}(\text{p},\text{x})^{11}\text{C}$ $\sigma(\text{E})$							
270	LPI	Theo J	YF 31 119 80 9.0+1			Dmitriev+	TBL. DYNAMICAL MODEL. CFD EXP
$^{12}\text{C}(\text{p},\text{n+p})^{11}\text{C}$ $\sigma(\text{E})$							
271	JUL	Revw C	78HARWEL 667 78 0.0+0	4.2+1		Stocklin+	CURV. 2 REF.
		Comp J	NIM 146 301 077 2.8+1	4.0+1		Schull.	NDG.
		Expt C	75ZUER1 457 75 1.8+1	4.0+1		Weinreich+	CURV.
$^{12}\text{C}(\text{p},\text{n+p})^{11}\text{C}$ $\sigma(\text{E})$							
272	BRK	Expt J	PR 88 739 52 TR 2.7+1			Aamodi+	CURV. NORMALIZED PANOFKY DATA.
		Expt J	PR 88 739 52 9.3+1	3.4+2		Aamodi+	CURV. TBL. STACKED FOILS.
		Expt P	UCRL-1400 51 9.3+1	3.4+2		.	PRELIMINARY VALUES.
		Expt P	UCRL-526 49 9.3+1	3.4+2		.	PRELIMINARY VALUES.
		Expt 4	EXFORB0077. D78 1.6+1	3.4+2		.	50 POINTS IN TWO SUBACCESSIONS.
273	KFK	Comp B	PH-DAT 15 2 D79 8.0+0	3.4+2		Muenzel+	TBL. FROM EXFOR.
		Comp B	PH-DAT 15 1 D79 5.0+1	2.8+4		Muenzel+	TBL. FROM EXFOR.
274	HRV	Expt J	PR 88 19 52 8.5+0	1.0+2		Hintz+	CURV. STACKED FOILS.
		Expt J	PR 83 151 51 8.5+0	1.0+2		.	PRELIMINARY VALUES.
		Expt 4	EXFORB0076.005 D78 8.5+0	1.0+2		.	42 DATA POINTS.
275	BNL	Expt J	NP 49 417 63 2.0+1	5.0+1		Cumming.	TBL. CURV.
		Expt 4	EXFORB0095.002 579 2.0+1	5.0+1		.	9 DATA POINTS.
276	BNL	Eval J	ARN 13 261 63 3.2+1	2.8+4		Cumming.	TBL. CURV. 16 REFERENCES.
		Eval 4	EXFORB0022.002 77 5.0+1	2.8+4		.	15 DATA POINTS.
277	CER	Expt J	NP 24 28 61 5.9+2			Goebel+	TBL. 6 POLYETHYLENE SAMPLES.
		Expt R	CERN-60-3 60 5.9+2			Goebel+	
		Expt 4	EXFORB0094.003 579 5.9+2			.	(29.9+-1.5)MB.
$^{12}\text{C}(\text{p},\text{n+p})^{11}\text{C}$ $\sigma(\text{E}) \times \text{factor}$							
278	BNL	Eval J	ARN 13 261 63 3.2+1	2.8+4		Cumming.	TBL. CURV. RATIO (P,NP)/AL (P,3PN)
		Eval 4	EXFORB0022.004 77 5.0+1	2.8+4		.	15 DATA POINTS.
279	KFK	Comp B	PH-DAT 15 1 D79 5.0+1	2.8+4		Muenzel+	TBL. FROM EXFOR.
280	CER	Expt J	NP 24 28 61 5.9+2			Goebel+	RATIO $^{12}\text{C}(\text{P},\text{NP})/^{27}\text{Al}(\text{P},\text{N3P})$

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		¹² C(p,n+p) ¹¹ C relative σ(E)			
281	BRK Expt J PR	74 1732 48 TR	2.7+1		Panofsky+ CURV. STACKED FOILS.
		¹² C(p,n+p) ¹¹ C σ(E)×abundance			
282	BRK Expt J PK	101 329 56 1.7+2 3.5+2			Crandall+ TBL. STACKED FOILS.
		Expt 4 EXFORB0101.002 N79 1.7+2 3.5+2			. 10 DATA POINTS.
		¹² C(p,n+p) ¹¹ C σ(E)×abundance×factor			
283	BRK Expt J PR	101 329 56 3.4+2			Crandall+ C12(P,N+P)/AL27(P,N+3P)
		Expt 4 EXFORB0101.009 N79 3.4+2			. 3.21
		¹² C(p,n+p) ¹¹ C thick target yield			
284	JUL Revv C	78HARMEL 667 78 4.5+1			Stocklin+ TBL. SATURATION YLD.
		¹² C(p,d) ¹¹ C product yield			
285	JUL Revv R	JUEL-1551 N78 1.3+1			Kupfernagel+ NDG. LABELLED FATTY ACIDS.
		¹² C(p,inelastic) ¹² C partial σ(E) _y			
286	GSF Eval J	AJ/S 40 487 779 5.0+0 1.1+2			Ramaly+ CURV. 4.439-MEV LVL.
		Eval R NASA-TM-79654 79 5.0+0 1.1+2			. SAME AS AJ/S 40. 487(1979).
		¹² C(p,inelastic) ¹² C partial σ(E)			
287	GRE Expt C	77TOKYO 488 977 1.9+1 2.5+1			Gaillard+CURV. POLARIZED BEAM. 12.7 LEV
		¹² C(p,inelastic) ¹² C partial σ(E) _y ×factor			
288	UBC Expt J	NP/A 263 109 76 1.8+1 2.3+1			Berghofer+CURV. 1/4PI. 12.71+15.11MEV G
		¹² C(p,elastic) ¹² C partial σ(E)×factor			
289	MIL Theo J	NC/A 49 308 279 3.0+0 6.1+1			Bonetti+ TBL. CURV. % CLUSTER CONTRIB.
		¹² C(p,elastic) ¹² C σ(E)			
290	SUR Theo J	JP/G 5 1699 079 4.9+1 1.6+2			Abdul Jalil+ TBL. CURV. ENERGY-DEP. OM
		¹² C(p,y) ¹³ N product yield			
291	AML Expt J	NIM 147 425 77 -1			Heggie+ NDG. BELOW 774KEV.
292	MOS Revv R	PHOTONUCLE 1 78 7.7-1			Varlamov+ NDG. TBL. FROM 0-DEG DATA
		¹² C(p,y) ¹³ N partial product yield			
293	BIR Expt J	NP/A 322 33 679 1.4+1 1.4+1			Khan+ CURV. GO. T=3/2. NAI. OXF CYCLO.
294	MOS Revv R	PHOTONUCLE 1 78 1.4+1 1.4+1			Varlamov+ NDG. TBL. 45-135DEG DATA
295	OSU Expt A	DA/B 39 4950 479 3.5+1 1.0+2			Kovash. NDG. THETA=60DEG. GS+LOW STATES
		¹² C(p,y) ¹³ N partial σ(E)			
296	MAU Exth J	PR/C 16 61 777 3.9-1 5.5-1			Mars+ CURV. 2S1/2 RESONANCE.
297	SAC Revv J	IRE 26 1539 279 +0			Engelmann+ TBL. REV. ISOTOPIC ANALYSIS.
298	DUB Expt R	JINR-15-11087 77 1.2+0 1.6+0			Voitov+ CURV. G.S. AND 2.366MEV STATE.
299	TNL Expt J	PR/C 21 525 280 8.0+0 1.6+1			Turner+ CURV. 90-DEG. GO.G1. NAI CRYST.
		¹² C(p,y) ¹³ N relative I _y			
300	OSU Theo J	PRL 42 1254 579 4.0+1			Arnold. CURV. QUALITATIVE FEATURES
		¹² C(p,y) ¹³ N partial σ(E)×factor			
301	UBC Expt J	NP/A 263 109 76 9.0+0 2.4+1			Berghofer+ CURV. FCT=1.74PI. G'S TO GND
302	MAU Exth J	PR/C 16 61 777 1.4+1 1.4+1			Mars+ CURV. G'S/P AT 125 DEG. GO GROUP.
		¹² C(p,y) ¹³ N thick target yield			
303	CLU Exth J	AND 23 177 279 3.5-1 2.4+0			Roughlon+ TBL. ALSO STELLAR REACT. RATE
		Expt J AJ 205 302 76 3.5-1 2.4+0			Roughlon+ NDG. ALSO STELLAR REACT. RATE
		Expt J AJ 188 595 374 3.5-1 2.4+0			Roughlon+ CURV. ALSO STELLAR REAC. RATE
304	OHO Expt A	OA/B 37 5724 577 1.6+0 1.8+0			Tsin. NDG. THCK TRGT DISP. TECH.
		¹² C(p,y) ¹³ N σ(E)			
305	CLU Expt J	AJ 205 302 76 3.5-1 2.4+0			Roughlon+ TBL. COEFF. FROM FIT TO TTY.
		Expt C 75WASH 1 69 375 NDG			. MORE TECHNICAL DETAILS.
306	KFK Comp B	PH-DAT 15 2 079 5.0+0 1.1+1			Muenzel+ TBL. FROM EXFOR.
307	ORL Expt J	PR 100 206 055 5.0+0 1.1+1			Cohen. TBL. STACKED FOILS.
		Expt 4 EXFORB0047.002 77 5.0+0 1.1+1			. 2 DATA POINTS.
		¹² C(p,y) ¹³ N partial raw σ(E)			
308	DUB Expt R	JINR-15-11087 77 1.2+0 1.8+0			Voitov+ CURV. G.S. AND 2.366MEV STATE.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{12}\text{C}(\text{p},\text{x})$ charge distribution	spallation $\sigma(\text{E})$		
309	MRY Expt A BAP	21 513	76 4.5+1	1.0+2	Mathews+ NDG. Z=3-5.
		$^{12}\text{C}(\text{p},\text{x})$ charge distribution	$\sigma(\text{E})$		
310	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},\text{p}+\text{x})$ charge distribution	$\sigma(\text{E})$		
311	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},2\text{p}+\text{x})$ charge distribution	$\sigma(\text{E})$		
312	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},\text{p}+\text{d}+\text{x})$ charge distribution	$\sigma(\text{E})$		
313	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},\text{p}+\text{t}+\text{x})$ charge distribution	$\sigma(\text{E})$		
314	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},3\text{p}+\text{x})$ charge distribution	$\sigma(\text{E})$		
315	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},2\text{p}+\text{d}+\text{x})$ charge distribution	$\sigma(\text{E})$		
316	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},\text{p}+^3\text{He}+\text{x})$ charge distribution	$\sigma(\text{E})$		
317	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},\text{p}+2\text{d}+\text{x})$ charge distribution	$\sigma(\text{E})$		
318	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},\text{p}+\alpha+\text{x})$ charge distribution	$\sigma(\text{E})$		
319	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},\text{p}+\text{d}+\text{t}+\text{x})$ charge distribution	$\sigma(\text{E})$		
320	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},\text{d}+\text{x})$ charge distribution	$\sigma(\text{E})$		
321	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},2\text{d}+\text{x})$ charge distribution	$\sigma(\text{E})$		
322	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},\text{d}+\text{t}+\text{x})$ charge distribution	$\sigma(\text{E})$		
323	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},\text{d}+^3\text{He}+\text{x})$ charge distribution	$\sigma(\text{E})$		
324	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},3\text{d}+\text{x})$ charge distribution	$\sigma(\text{E})$		
325	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},\text{d}+\alpha+\text{x})$ charge distribution	$\sigma(\text{E})$		
326	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},2\text{d}+\text{t}+\text{x})$ charge distribution	$\sigma(\text{E})$		
327	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},\text{t}+\text{x})$ charge distribution	$\sigma(\text{E})$		
328	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},\text{t}+^3\text{He}+\text{x})$ charge distribution	$\sigma(\text{E})$		
329	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},\text{t}+\alpha+\text{x})$ charge distribution	$\sigma(\text{E})$		
330	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},\alpha+\text{x})$ charge distribution	$\sigma(\text{E})$		
331	LPI Theo J YF	31 119	80 9.0+1		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{12}\text{C}(\text{p},\text{x})$ mass distribution	spallation $\sigma(\text{E})$		
332	MRY Expt J PR/C	14 410	76 4.5+1	1.0+2	Roche+ TBL. A=6,7,9,10,11.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
¹² C(p,x) mass distribution spallation σ(E)						
332	MRY Expt P	ORO-5172-05 62 977 4.5+1	1.0+2	Roche+	TBL. CURV. A=6-11. PR/C 14, 410.	
	Exth C	75WASH 2 504 375 4.5+1	1.0+2	Roche+	TBL. CURV. A=6.7,9,10,11	
¹² C(p,x) isotopic distribution spallation σ(E)						
333	MRY Expt J	PR/C 14 410 76 4.5+1	1.0+2	Roche+	TBL. AL17, BE7, BE10.	
	Expt P	ORO-5172-05 62 977 1.0+2		Roche+	TBL. L17,BE7,BE10. PR/C 14, 410.	
¹³ C(p,α) ¹⁰ B partial σ(E)						
334	JUL Expt P	JUEL-1976 19 76 2.3+1		Rohwer+	CURV. AD GROUP. INTAD.	
¹³ C(p,n) ¹³ N product yield						
335	BNL Revw J	IRE 26 1710 279 NDG		Ruth+	TBL. SURVEY OF DATA RELIABILITY.	
¹³ C(p,n) ¹³ N σ(E)						
336	OUA Eval J	IRE 26 1713 279 TR	2.2+1	Wieland+	CURV.	
337	IPS Expt R	NFL-6 79 4.4+1	8.0+1	Ramstroem+	CURV.	
338	BNL Expt J	NP 49 417 63 6.0+0	8.0+0	Cumming.	APP. 250MB, 200MB AT 6, 8 MEV.	
339	TNL Expt A	BAP 24 828 979 9.0+0	1.6+1	Byrd+	NDG. LEG. COEFF.	
¹³ C(p,n) ¹³ N thick target yield						
340	OUA Eval J	IRE 26 1713 279 TR	2.0+1	Wieland+	CURV. SATUR. YLD. FROM SIGMA.	
	Eval A	JLCR 16 103 79 TR	2.0+1	Wieland+	CURV. SATUR. YLD. FROM SIGMA.	
¹³ C(p,n) ¹³ N thick target yield x factor						
341	WIS Expt A	JLCR 16 90 79 1.1+1		Nickles+	SATURATION YLD=100 MCI/MUA.	
¹³ C(p,n) ¹³ N partial σ(E)						
342	TNL Theo P	A-TNL-79 132 79 NDG		Byrd+	NDG. NO GROUP FROM AVERAGED LEGEN	
¹³ C(p,γ) ¹⁴ N partial σ(E)						
343	SAC Revw J	IRE 26 1536 279 +0		Engelmann+	TBL. REV. ISOTOPIC ANALYSIS.	
344	TNL Expt A	DA/B 39 4950 479 6.2+0	1.7+1	Turner.	NDG. G0+G1. INTAD.	
	Expt P	ORO-1667-17 45 79 6.1+0	1.7+1	Turner+	CURV. G0,G1. 90DEG. A1-A4.	
	Expt P	ORO-1667-17 45 79 6.1+0	1.7+1	Turner+	CURV. E2 SIG FROM (P,G1)	
	Expt P	A-TNL-78 45 79 6.1+0	1.7+1		SAME AS ORO-1667-17.	
345	TNL Expt P	A-TNL-79 68 80 2.5+1		Blatt+	NDG. 2 COMPACT GROUPS(5.8,5.9MEV	
¹³ C(p,γ) ¹⁴ N partial raw σ(E)						
346	HLS Expt J	PR/C 17 414 178 1.7+0	1.7+0	Keinonen+	CURV. EG GT 2.7MEV. 1701-KEV RES	
347	LUQ Expt J	CJP 58 150 80 3.8+0	3.8+0	Rangacharyulu+	CURV. 3.77MEV RES.	
¹³ C(p,γ) ¹⁴ N partial σ(E) x factor						
348	HLS Expt J	NP/A 294 1 178 1.0+0	1.7+0	Keinonen+	BR NEAR RES. SOME DATA GIVEN.	
¹⁴ C(p,γ) ¹⁵ N partial σ(E)						
349	TNL Expt P	ORO-1667-17 57 79 NDG		Wender+	NDG. G0 A2 FROM NP/A 298,217.	
	Expt P	A-TNL-78 57 79 NDG			SAME AS ORO-1667-17.	
¹⁴ C(p,scattering) σ(E) x factor						
350	LPI Expt J	YF 14 379 071 5.0+1		Loshchakov+	(P,2P)/(P,SCT)=.32+--.05	
	Expt J	SNP 14 379 472 5.0+1			TRANSLATION OF YF 14, 676(1971).	
¹⁴ C(p,inelastic) thick target yield x factor						
351	MNA Exth J	NIM 143 589 77 2.1+1	4.9+1	Sourkes+	TBL. CURV. REACTION RATES IN SCIN	
¹⁴ C(p,p+x) ¹ H σ(E)						
352	LPI Expt J	YF 14 379 071 5.0+1		Loshchakov+	46+-7MB. EMULS. KINE. ANALY	
	Expt J	SNP 14 379 472 5.0+1			TRANSLATION OF YF 14, 676(1971).	
¹⁴ C(p,p+x) ¹ H σ(E) x factor						
353	LPI Expt J	YF 14 379 071 5.0+1		Loshchakov+	(P,2P)/(P,SCT)=.32+--.05	
	Expt J	SNP 14 379 472 5.0+1			TRANSLATION OF YF 14, 676(1971).	
¹⁴ C(p,x) ⁶ Li relative σ(E)						
354	PAR Exth J	PR/C 15 2159 677 1.0+3		Fontes.	RELATIVE CONTRIBUTION.	
¹⁴ C(p,x) ⁷ Li relative σ(E)						
355	PAR Exth J	PR/C 15 2159 677 1.0+3		Fontes.	RELATIVE CONTRIBUTION.	

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
	$^{100}\text{C}(p,x)^{7}\text{Re}$	relative $\sigma(E)$				
356	PAR Exth J PR/C	15	2159	677	1.0+3	Fontes. RELATIVE CONTRIBUTION.
	$^{100}\text{C}(p,x)^{9}\text{Be}$	relative $\sigma(E)$				
357	PAR Exth J PR/C	15	2159	677	1.0+3	Fontes. RELATIVE CONTRIBUTION.
	$^{100}\text{C}(p,x)^{10}\text{Be}$	relative $\sigma(E)$				
358	PAR Exth J PR/C	15	2159	677	1.0+3	Fontes. RELATIVE CONTRIBUTION.
	$^{100}\text{C}(p,x)^{10}\text{B}$	relative $\sigma(E)$				
359	PAR Exth J PR/C	15	2159	677	1.0+3	Fontes. RELATIVE CONTRIBUTION.
	$^{100}\text{C}(p,x)^{11}\text{B}$	relative $\sigma(E)$				
360	PAR Exth J PR/C	15	2159	677	1.0+3	Fontes. RELATIVE CONTRIBUTION.
	$\text{N}(p,x)^{7}\text{Be}$	$\sigma(E)$				
361	TOK Expt J JIN	38	1425	76	1.1+1	5.2+1 Inoue+ CURV. STACKED FOIL METHOD.
	$\text{N}(p,x)^{11}\text{C}$	product yield				
362	USA Revv J IRE	26	1703	279	1.5+1	Beaver+ $^{11}\text{CO}_2$, ^{11}CO , ^{11}CN PRODUCTION.
	$\text{N}(p,x)^{11}\text{C}$	thick target yield				
363	WIS Expt A JLCR	16	90	79	NDG	Nickles+ NDG. ^{11}C -OXIDE.
	$^{14}\text{N}(p,x)$	binary spallation $\sigma(E)$				
364	INU Theo A DA/B	37	5722	577	0.0+0	4.2+1 Compani-Tabrizi. NDG. STAT. THEORY FISS
	$^{14}\text{N}(p,\text{absorption})$	$\sigma(E)$				
365	INU Theo A DA/B	37	5722	577	0.0+0	4.2+1 Compani-Tabrizi. NDG. STAT. THEORY FISS
	$^{14}\text{N}(p,x)\gamma$	$\sigma(E)$				
366	HAU Expt P A-WAU-78	1	778	TR	2.4+1	Bodansky+ NDG.
	Expt A BAP	22	583	477	2.0+0	2.4+1 Dyer+ NDG.
	$^{14}\text{N}(p,x)n$	$\sigma(E)$				
367	NMX Revv C 75WASH	2	512	375	7.0+0	2.0+2 Ahluwalia. CURV.
	$^{14}\text{N}(p,p+^{3}\text{He}+\alpha)^{4}\text{He}$	$\sigma(E)$				
368	LPI Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J BAS	43	124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
	$^{14}\text{N}(p,p+d+2\alpha)^{4}\text{He}$	$\sigma(E)$				
369	LPI Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J BAS	43	124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
	$^{14}\text{N}(p,2d+^{3}\text{He}+\alpha)^{4}\text{He}$	$\sigma(E)$				
370	LPI Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J BAS	43	124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
	$^{14}\text{N}(p,^{3}\text{He}+2\alpha)^{4}\text{He}$	$\sigma(E)$				
371	LPI Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J BAS	43	124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
	$^{14}\text{N}(p,3p+^{6}\text{He})^{6}\text{Li}$	$\sigma(E)$				
372	LPI Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J BAS	43	124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
	$^{14}\text{N}(p,p+d+^{6}\text{Li})^{6}\text{Li}$	$\sigma(E)$				
373	LPI Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J BAS	43	124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
	$^{14}\text{N}(p,p+2d+\alpha)^{6}\text{Li}$	$\sigma(E)$				
374	LPI Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J BAS	43	124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
	$^{14}\text{N}(p,2p+t+\alpha)^{6}\text{Li}$	$\sigma(E)$				
375	LPI Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J BAS	43	124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
	$^{14}\text{N}(p,p+2\alpha)^{6}\text{Li}$	$\sigma(E)$				
376	LPI Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{14}\text{N}(p,p+2\alpha)^6\text{Li}$ $\sigma(E)$				
376 LPI Expt J BAS	43 124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{14}\text{N}(p,d+^3\text{He}+g)^6\text{Li}$ $\sigma(E)$				
377 LPI Expt J IZV	43 148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
Expt J BAS	43 124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{14}\text{N}(p,^3\text{He}+^6\text{Li})^6\text{Li}$ $\sigma(E)$				
378 LPI Expt J IZV	43 148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
Expt J YF	27 7 178	5.0+1		Golikov+ TBL. EMULSION. KIN. ANALYSIS.
Expt J YF	14 676	71	5.0+1	. INSTRUMENTATION.
Expt J BAS	43 124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
Expt J SNP	27 3 78	5.0+1		. TRANSLATION OF YF 27, 7(1978).
Expt J SNP	14 379 472	5.0+1		. TRANSLATION OF YF 14, 676(1971).
Expt 4 EXFORA0018.004	379	5.0+1		. 1 DATA POINT. FROM YF 27, 7(1978).
$^{14}\text{N}(p,2p+d+\alpha)^7\text{Li}$ $\sigma(E)$				
379 LPI Expt J IZV	43 148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
Expt J BAS	43 124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{14}\text{N}(p,2p+^6\text{Li})^7\text{Li}$ $\sigma(E)$				
380 LPI Expt J IZV	43 148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
Expt J BAS	43 124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{14}\text{N}(p,p+^3\text{He}+\alpha)^7\text{Li}$ $\sigma(E)$				
381 LPI Expt J IZV	43 148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
Expt J BAS	43 124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{14}\text{N}(p,2p+^6\text{He})^7\text{Be}$ $\sigma(E)$				
382 LPI Expt J IZV	43 148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
Expt J BAS	43 124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{14}\text{N}(p,p+t+\alpha)^7\text{Be}$ $\sigma(E)$				
383 LPI Expt J IZV	43 148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
Expt J BAS	43 124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{14}\text{N}(p,p+^7\text{Li})^7\text{Be}$ $\sigma(E)$				
384 LPI Expt J IZV	43 148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
Expt J YF	27 7 178	5.0+1		Golikov+ TBL. EMULSION. KIN. ANALYSIS.
Expt J YF	14 676	71	5.0+1	. INSTRUMENTATION.
Expt J BAS	43 124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
Expt J SNP	27 3 78	5.0+1		. TRANSLATION OF YF 27, 7(1978).
Expt J SNP	14 379 472	5.0+1		. TRANSLATION OF YF 14, 676(1971).
Expt 4 EXFORA0018.003	379	5.0+1		. 1 DATA POINT. FROM YF 27, 7(1978).
$^{14}\text{N}(p,2d+\alpha)^7\text{Be}$ $\sigma(E)$				
385 LPI Expt J IZV	43 148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
Expt J BAS	43 124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{14}\text{N}(p,d+^6\text{Li})^7\text{Be}$ $\sigma(E)$				
386 LPI Expt J SNP	14 379 472	5.0+1		. TRANSLATION OF YF 14, 676(1971).
387 LPI Expt J IZV	43 148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
Expt J YF	27 7 178	5.0+1		Golikov+ TBL. EMULSION. KIN. ANALYSIS.
Expt J YF	14 676	71	5.0+1	. INSTRUMENTATION.
Expt J BAS	43 124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
Expt J SNP	27 3 78	5.0+1		. TRANSLATION OF YF 27, 7(1978).
Expt 4 EXFORA0018.004	379	5.0+1		. 1 DATA POINT. FROM YF 27, 7(1978).
$^{14}\text{N}(p,2\alpha)^7\text{Be}$ $\sigma(E)$				
388 LPI Expt J SNP	14 379 472	5.0+1		. TRANSLATION OF YF 14, 676(1971).
389 LPI Expt J IZV	43 148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
Expt J YF	27 7 178	5.0+1		Golikov+ TBL. EMULSION. KIN. ANALYSIS.
Expt J YF	14 676	71	5.0+1	. INSTRUMENTATION.
Expt J BAS	43 124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
Expt J SNP	27 3 78	5.0+1		. TRANSLATION OF YF 27, 7(1978).
Expt 4 EXFORA0018.004	379	5.0+1		. 1 DATA POINT. FROM YF 27, 7(1978).
$^{14}\text{N}(p,2p+2d)^9\text{Be}$ $\sigma(E)$				
390 LPI Expt J IZV	43 148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
Expt J BAS	43 124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{14}\text{N}(p, 3p+t)^9\text{Be}$ $\sigma(E)$					
391	LPI	Expt J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{14}\text{N}(p, p+d+^3\text{He})^9\text{Be}$ $\sigma(E)$					
392	LPI	Expt J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{14}\text{N}(p, 2p+o)^9\text{Be}$ $\sigma(E)$					
393	LPI	Expt J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{14}\text{N}(p, 2^3\text{He})^9\text{Be}$ $\sigma(E)$					
394	LPI	Expt J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J YF 27	7 178 5.0+1		Golikov+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J YF 14	676 71 5.0+1		. INSTRUMENTATION.
		Expt J BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		Expt J SNP 27	3 78 5.0+1		. TRANSLATION OF YF 27, 7(1978).
		Expt J SNP 14	379 472 5.0+1		. TRANSLATION OF YF 14, 676(1971).
		Expt 4 EXFORA0018.004	379 5.0+1		. 1 DATA POINT. FROM YF 27, 7(1978).
$^{14}\text{N}(p, 3p+d)^{10}\text{Be}$ $\sigma(E)$					
395	LPI	Expt J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{14}\text{N}(p, 2p+^3\text{He})^{10}\text{Be}$ $\sigma(E)$					
396	LPI	Expt J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{14}\text{N}(p, 4p)^{11}\text{Be}$ $\sigma(E)$					
397	LPI	Expt J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{14}\text{N}(p, p+2d)^{10}\text{B}$ $\sigma(E)$					
398	LPI	Expt J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{14}\text{N}(p, 2p+t)^{10}\text{B}$ $\sigma(E)$					
399	LPI	Expt J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{14}\text{N}(p, p+o)^{10}\text{B}$ $\sigma(E)$					
400	LPI	Expt J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J YF 27	7 178 5.0+1		Golikov+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J YF 14	676 71 5.0+1		. INSTRUMENTATION.
		Expt J BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		Expt J SNP 27	3 78 5.0+1		. TRANSLATION OF YF 27, 7(1978).
		Expt J SNP 14	379 472 5.0+1		. TRANSLATION OF YF 14, 676(1971).
		Expt 4 EXFORA0018.003	379 5.0+1		. 1 DATA POINT. FROM YF 27, 1(1978).
$^{14}\text{N}(p, d+^3\text{He})^{10}\text{B}$ $\sigma(E)$					
401	LPI	Expt J SNP 14	379 472 5.0+1		. TRANSLATION OF YF 14, 676(1971).
402	LPI	Expt J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J YF 27	7 178 5.0+1		Golikov+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J YF 14	676 71 5.0+1		. INSTRUMENTATION.
		Expt J BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		Expt J SNP 27	3 78 5.0+1		. TRANSLATION OF YF 27, 7(1978).
		Expt 4 EXFORA0018.003	379 5.0+1		. 1 DATA POINT. FROM YF 27, 1(1978).
$^{14}\text{N}(p, 2p+d)^{11}\text{B}$ $\sigma(E)$					
403	LPI	Expt J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{14}\text{N}(p, p+^3\text{He})^{11}\text{B}$ $\sigma(E)$					
404	LPI	Expt J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J YF 27	7 178 5.0+1		Golikov+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J YF 14	676 71 5.0+1		. INSTRUMENTATION.
		Expt J BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		Expt J SNP 27	3 78 5.0+1		. TRANSLATION OF YF 27, 7(1978).
		Expt J SNP 14	379 472 5.0+1		. TRANSLATION OF YF 14, 676(1971).
		Expt 4 EXFORA0018.003	379 5.0+1		. 1 DATA POINT. FROM YF 27, 1(1978).

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
¹⁴N(p,3p)¹²B σ(E)						
405	LPI	Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
¹⁴N(p,d+t)¹⁰C σ(F)						
406	LPI	Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	YF 27	7	178 5.0+1	Golikov+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	YF 14	676	71 5.0+1	. INSTRUMENTATION.
		Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		Expt J	SNP 27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
		Expt J	SNP 14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
		Expt 4	EXFORA0018.003	379	5.0+1	. 1 DATA POINT. FROM YF 27, 1(1978).
¹⁴N(p,p+t)¹¹C σ(E)						
407	LPI	Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	YF 27	7	178 5.0+1	Golikov+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	YF 14	676	71 5.0+1	. INSTRUMENTATION.
		Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		Expt J	SNP 27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
		Expt J	SNP 14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
		Expt 4	EXFORA0018.003	379	5.0+1	. 1 DATA POINT. FROM YF 27, 1(1978).
¹⁴N(p,2d)¹¹C σ(E)						
408	LPI	Expt J	SNP 14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
409	LPI	Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	YF 27	7	178 5.0+1	Golikov+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	YF 14	676	71 5.0+1	. INSTRUMENTATION.
		Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		Expt J	SNP 27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
		Expt 4	EXFORA0018.003	379	5.0+1	. 1 DATA POINT. FROM YF 27, 1(1978).
¹⁴N(p,α)¹¹C product yield						
410	BNL	Revw J	IRE 26	1710	279 NDG	Ruth+ TBL. SURVEY OF DATA RELIABILITY.
¹⁴N(p,α)¹¹C σ(E)						
411	ORL	Eval J	IRE 26	1713	279 TR	2.2+1 Wieland+ CURV.
412	CAL	Expt J	PR/C 13	524	76 3.8+0	6.5+0 Ingalls+ TBL. 47 POINTS.
413	JUL	Revw C	78HARWEL	667	78 4.0+0	1.5+1 Stocklin+ CURV. 5 REFS+PRESENT WORK.
		Comp J	NIM 146	301	077 NDG	Schult. NDG.
414	BNL	Expt J	RCA 25	17	78 4.7+0	1.5+1 Casella+ TBL. CURV. RADIOCHEMISTRY.
¹⁴N(p,α)¹¹C thick target yield						
415	ORL	Eval J	IRE 26	1713	279 TR	2.0+1 Wieland+ CURV. SATUR. YLD. FROM SIGMA.
416	BNL	Expt J	RCA 25	17	78 6.0+0	1.5+1 Casella+ TBL. SAT. YLD FRM SIG. CFD OTH
417	JUL	Revw C	78HARWEL	667	78 1.5+1	Stocklin+ TBL. SATURATION YLD.
		Comp J	NIM 146	301	077 +1	Schult. NDG.
¹⁴N(p,α)¹¹C partial σ(E)						
418	JUL	Expt P	JUEL-1976	19	76 2.3+1	Rohwer+ CURV. A0 GROUP. INTAD.
419	ANL	Revw C	75HRYLND	439	75 4.4+1	Kurath. TBL. A0-A6. INTAD(12-90DEG)
¹⁴N(p,p+d)¹²C σ(E)						
420	LPI	Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	YF 27	7	178 5.0+1	Golikov+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	YF 14	676	71 5.0+1	. INSTRUMENTATION.
		Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		Expt J	SNP 27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
		Expt J	SNP 14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
		Expt 4	EXFORA0018.003	379	5.0+1	. 1 DATA POINT. FROM YF 27, 1(1978).
¹⁴N(p,2p)¹³C σ(E)						
421	LPI	Expt J	IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	YF 27	7	178 5.0+1	Golikov+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J	YF 14	676	71 5.0+1	. INSTRUMENTATION.
		Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		Expt J	SNP 27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
		Expt J	SNP 14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
		Expt 4	EXFORA0018.003	379	5.0+1	. 1 DATA POINT. FROM YF 27, 1(1978).
¹⁴N(p,2p)¹³C partial σ(E)						
422	LPI	Expt J	YF 14	379	071 5.0+1	Loshchakov+NDG. LOW PROB. GS., HIGH IRST

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
			¹⁴ N(p,2p) ¹³ C partial σ(E)				
422	LPI	Expt J	SNP 14 379 472	5.0+1			TRANSLATION OF YF 14, 676(1971).
			¹⁴ N(p,d) ¹³ N product yield				
423	KTY	Expt P	ERDA-NDC-2 70 575	NDG		Reed+	NDG.
			¹⁴ N(p,inelastic) ¹⁴ N partial σ(E) _y				
424	GSF	Eval J	AJ/S 40 487 779	2.4+1	8.0+1	Ramati+	CURV. EG=5.1-5.3 MEV.
		Eval R	NASA-TM-79654 79 2.4+1	8.0+1			SAME AS AJ/S 40, 487(1979).
			¹⁴ N(p,2n) ¹³ O product yield				
425	BRK	Revw J	ARN 27 333 77	NDG		Cerny+	TBL. PRODUCTION DELAYED-P PRECUR
			¹⁴ N(p,n) ¹⁴ O σ(E)				
426	JCL	Expt P	A-JCL-78 106 79	6.0+0	1.5+1	Nosaki+	CURV. OFF-LINE.
			¹⁴ N(p,n) ¹⁴ O raw σ(E)				
427	NZA	Expt J	NP/A 276 334 177	6.3+0	6.4+0	White+	CURV. THRESHOLD MEASUREMENT.
			¹⁴ N(p,γ) ¹⁵ O partial σ(E)				
428	TNL	Expt P	ORO-1667-17 57 79	NDG		Wender+	NDG. GO A2 FROM PL/B 46, 346.
		Expt P	A-TNL-78 57 79	NDG			SAME AS ORO-1667-17.
429	SAC	Revw J	IRE 26 1536 279	+0		Engelmann+	TBL. REV. ISOTOPIC ANALYSIS.
			¹⁴ N(p,γ) ¹⁵ O product yield				
430	USA	Revw J	IRE 26 1703 279	7.0+0		Beaver+	NDG. CYCLOTRON PRODUCTION.
			¹⁴ N(p,γ) ¹⁵ O relative I _y				
431	LYO	Expt J	PR/C 15 551 277	1.7+0	1.8+0	Drain+	CURV. 5.18,5.24,6.18,8.92 TO 0.
			¹⁴ N(p,γ) ¹⁵ O σ(E)				
432	INU	Theo A	DA/B 37 5722 577	0.0+0	4.2+1	Compani-Tabrizi.	NDG. STAT. THEORY FISS
433	YAL	Expt A	BAP 21 514 76	2.0-1	2.6+0	Trautvetter+	NDG.
			¹⁴ N(p,γ) ¹⁵ O thick target yield				
434	CLU	Exth J	AND 23 177 279	3.8-1	6.8+0	Roughlon+	TBL. ALSO STELLAR REACT. RATE
		Expt J	AJ 205 302 76	NDG			MORE TECHNICAL DETAILS.
		Expt J	AJ 193 187 074	NDG			MORE TECHNICAL DETAILS.
		Expt J	AJ 188 595 374	NDG			MORE TECHNICAL DETAILS.
			¹⁴ N(p,x)mass distribution σ(E)				
435	MRY	Expt P	ORO-5172-05 43 977	7.5+1	9.0+1	Glagola+	
			¹⁴ N(p,x)isotopic distribution σ(E)				
436	MRY	Expt A	BAP 22 998 977	5.0+1	9.0+1	Moyle+	NDG. LI,BE,B
			¹⁵ N(p,x) ¹¹ C product yield				
437	USA	Revw J	IRE 26 1703 279	NDG		Beaver+	65 MCI/MUAHR/HR.
			¹⁵ N(p,α) ¹² C partial σ(E)				
438	CAL	Expt J	NP/A 320 404 579	9.3-2	4.2-1	Zyskind+	TBL. A0. FROM SIG(135DEG).
439	CAL	Expt J	NP/A 235 450 74	1.8-1	2.5+0	Rolfs+	CURV. EG=4.432MEV
440	CBR	Expt J	NP/A 288 317 977	9.0-1	1.3+0	Bray+	CURV. FRM G ANG. DIS. A0 + A1 GRP
441	SAC	Revw J	IRE 26 1536 279	+0		Engelmann+	TBL. REV. ISOTOPIC ANALYSIS.
442	CBR	Expt J	NP/A 294 161 178	2.9+0	3.6+0	Frawley+	CURV. LEGENDRE COEFF. GIVEN.
443	MIL	Theo J	NIM 146 265 077	2.0+1	5.0+1	Gadioli+	CURV. PRE-EQUIL. MODL.A0+A1 GR
		Theo J	NCL 15 83 176	2.0+1	4.5+1	Gadioli+	CURV. EXCITON MOD. A(0)+A(1)
444	ANL	Revw C	75MRYLND 439 75	4.4+1		Kurath.	TBL. A0-A8. INTAD(12-90DEG)
			¹⁵ N(p,α) ¹² C partial σ(E)×factor				
445	CAL	Expt J	NP/A 320 404 579	9.3-2	4.2-1	Zyskind+	TBL. CURV. A0. NUCLEAR-S-FCT.
			¹⁵ N(p,inelastic) ¹⁵ N partial σ(E)				
446	ROS	Theo J	NP/A 275 111 177	6.0-1	1.0+1	Barz+	CURV.J(1)=1(-). CC+CONT. SHELL MOD
			¹⁵ N(p,elastic) ¹⁵ N raw σ(E)				
447	CBR	Expt J	NP/A 294 161 178	2.9+0	3.6+0	Frawley+	CURV. CFD 5 ANGLES. NO DIFFERE
			¹⁵ N(p,n) ¹⁵ O product yield				
448	BNL	Revw J	IRE 26 1710 279	NDG		Ruth+	TBL. SURVEY OF DATA RELIABILITY.
449	USA	Revw J	IRE 26 1703 279	+1		Beaver+	NDG. CYCLOTRON PRODUCTION.

REFERENCES (cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
¹⁵ N(p,n) ¹⁵ O σ(E)						
450	OUA Eval J	IRE 26	1713	279	TR	1.2+1 Wieland+ CURV.
451	ROS Theo J	NP/A 275	111	177	1.0+0	1.0+1 Barz+ CURV. CC + CONT. SHELL MODEL.
452	MUN ineq J	NC/A 54	11	N79	4.0+0	1.4+1 Ardi+ CURV. RANDOM-PHASE APPROXIMATION.
453	TNL Expl A	BAP 24	828	979	9.0+0	1.6+1 Byrd+ NUU. L ₂₀ . COEFF.
¹⁵ N(p,n) ¹⁵ O thick target yield						
454	OUA Eval J	IRE 26	1713	279	TR	1.2+1 Wieland+ CURV. SATUR. YLD. FROM SIGMA.
	Eval A	JLCR 16	103	79	TR	2.0+1 Wieland+ CURV. SATUR. YLD. FROM SIGMA.
¹⁵ N(p,n) ¹⁵ O partial σ(E)						
455	TNL Theo P	A-TNL-79	132	79	NDG	Byrd+ NDG. NO GROUP FROM AVERAGED LEGEN
456	ROS Theo J	NP/A 275	111	177	1.0+0	1.0+1 Barz+CURV. C.C. + CONT. SHELL MODEL
457	MUN Theo J	NC/A 54	11	N79	5.0+0	1.6+1 Ardi+ CURV. RANDOM-PHASE APPROXIMATION.
458	BIR Expl J	NP/A 298	19	378	5.8+0	8.6+0 Chew+TBL. ACTIV. AND TOF MEAS. CFD. OTH
	Expl J	NP/A 298	19	378	8.9+0	1.8+1 Chew+ CURV. NO. INTAD.
¹⁵ N(p,n) ¹⁵ O partial σ(E) at resonance						
459	BIR Expl J	NP/A 298	19	378	8.9+0	1.8+1 Chew+TBL. G.S. FROM INTEG. OF PK+INTAD
¹⁵ N(p,n) ¹⁵ O direct-interaction σ(E)						
460	ROS Theo J	NP/A 275	111	177	1.0+0	1.0+1 Barz+ CURV. CC + CONT. SHELL MODEL.
¹⁵ N(p,γ) ¹⁶ O σ(E)						
461	MOS Revv R	PHOTONUCLE	1	78	2.0+1	2.4+1 Varlamov+NDG.TBL.POL. P. 45.135DEG DATA
¹⁵ N(p,γ) ¹⁶ O partial σ(E)						
462	CAL Expl J	NP/A 235	450	74	1.5-1	2.5+0 Rolfs+ CURV. G.S.
463	OXF Expl J	NP/A 286	451	877	6.0+0	2.2+1 Chew+ CURV. 90-DEG + LEG. COEF. G0-G2
464	STF Exth J	PRL 39	925	077	8.0+0	1.3+1 Calarco+ CURV. G0 CALC. FRM POL DATA.
¹⁵ N(p,γ) ¹⁶ O σ(E) at resonance						
465	STF Expl J	PR/C 17	892	378	8.6+0	1.8+1 O-Connell+CURV.ALSO LEG. COEF.CFD. OTHR
	Expl J	PR/C 17	892	378	1.0+1	O-Connell+ 12.9MB AT PK. CFD. OTHER
¹⁵ N(p,γ) ¹⁶ O partial σ(E)×factor						
466	CAL Expl J	NP/A 235	450	74	0.0+0	2.5+0 Rolfs+ CURV. TBL. S-FCT. EXP.+EXTRAPOL.
467	MST Revv J	ARN 28	115	078	0.0+0	2.6+0 Rolfs+ CURV. S-FCT. NP/A 235,450+ CALC.
	Revv J	ARN 28	115	078	0.0+0	Rolfs+ G.S. DEDUCED S-FACTOR = 22KEV-B.
468	TUD Theo J	NP/A 307	285	978	0.0+0	2.3+1 Barz+ CURV. SEVERAL CONFIGURATIONS.
¹⁵ N(p,γ) ¹⁶ O relative σ(E)						
469	WAU Expl P	A-WAU-78	53	778	6.0+0	9.0+0 Snaver+ CURV. AT 90 DEG. ALSO POL.
¹⁵ N(p,x) ¹¹ C thick target yield						
470	AML Revv J	IRE 26	2281	479	1.5+1	1.8+1 Chaudri. TBL. CFD EXP. TO CALC.
¹⁵ N(p,x) ¹¹ C product yield						
471	UPP Expl P	NEANDC(OR)1150	477	1.2+1		Lundqvist+NDG. .PROD. LABELLED CMP.P.15
	Expl P	NEANDC(OR)1146	476	1.2+1		Lundqvist+NDG. PROD. LABELLED CMP. P.16
¹⁶ O(p,x) ⁷ Be σ(E)						
472	TOK Expl J	JIN 38	1425	76	2.8+1	5.2+1 Inoue+ CURV. STACKED FOIL METHOD.
¹⁶ O(p,x) ¹⁵ O product yield						
473	USA Revv J	IRE 26	1703	279	2.7+1	Beaver+ C1502 PRODUCTION.
¹⁶ O(p,x) binary spallation σ(E)						
474	INU Theo A	DA/B 37	5722	577	2.0+1	1.5+2 Campani-Tabrizi. NDG. STAT. THEORY FISS
¹⁶ O(p,x) spallation σ(E)×factor						
475	NRL Revv J	AJ/S 35	137	077	1.5+2	4.0+2 Silberberg+ TBL. 2 ES. RATIO CALC./EXPT
¹⁶ O(p,absorption) σ(E)						
476	LAS Revv S	BNL-S1115	513	779	5.3+0	5.3+2 De-Vries+ CURV. CFD EXPT AND MODEL
477	INU Theo A	DA/B 37	5722	577	2.0+1	1.5+2 Campani-Tabrizi. NDG. STAT. THEORY FISS
478	LAS Theo J	PR/C 20	1857	N79	1.0+2	2.0+3 Ray. CURV. SECOND-ORDER KMT FORMALISM.
479	TAM Theo J	PR/C 19	896	379	1.0+2	1.0+5 Ernsi+ CURV. IMPULSE APP.+ EIKONAL
¹⁶ O(p,total) σ(E)						
480	LAS Theo J	PRL 43	1373	N79	5.0+0	5.0+2 De-Vries+ CURV. SEMI-CLASSICAL CFD EXPT

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{16}\text{O}(p, \text{total}) \sigma(\text{E})$			
481	LAS Theo	J PR/C 20	1857	N79 2.0+2 2.0+3	Ray. CURV. SECOND-ORDER KMT FORMALISM.
		$^{16}\text{O}(p, x)\gamma$ partial $\sigma(\text{E})$			
482	GSF Eval	J AJ/S 40	487	779 8.0+0 8.0+1	Ramaty+ CURV. 6.129-MEV GAMMA.
	Eval R	NASA-TM-79654	79	8.0+0 8.0+1	. SAME AS AJ/S 40, 487(1979).
		$^{16}\text{O}(p, x)\gamma \sigma(\text{E})$			
483	HAU Expt	P A-HAU-78	1	778 TR	2.4+1 Bodansky+ NDG.
		$^{16}\text{O}(p, x)n \sigma(\text{E})$			
484	NMX Revv	C 75WASH	2	512 375 1.8+1 2.0+2	Ahluwalia. CURV.
		$^{16}\text{O}(p, x)^1\text{H} \sigma(\text{E})$			
485	CRC Revv	C 78HARWEL	648	78 3.9+1 6.1+1	Cross. TBL. 2 REF. ALSO AVE. E.
		$^{16}\text{O}(p, x)^2\text{H} \sigma(\text{E})$			
486	CRC Revv	C 78HARWEL	648	78 3.9+1 6.1+1	Cross. TBL. 2 REF. ALSO AVE. E.
		$^{16}\text{O}(p, x)^3\text{H} \sigma(\text{E})$			
487	CRC Revv	C 78HARWEL	648	78 3.9+1 6.1+1	Cross. TBL. 2 REF. ALSO AVE. E.
488	LPI Theo	J YF 31	119	80 1.6+2	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{16}\text{O}(p, x)^3\text{He} \sigma(\text{E})$			
489	CRC Revv	C 78HARWEL	648	78 6.1+1	Cross. TBL. 2 REF. ALSO AVE. E.
		$^{16}\text{O}(p, x)^4\text{He} \sigma(\text{E})$			
490	CRC Revv	C 78HARWEL	648	78 3.9+1 6.1+1	Cross. TBL. 2 REF. ALSO AVE. E.
		$^{16}\text{O}(p, p+3\alpha)^4\text{He} \sigma(\text{E})$			
491	LPI Expt	J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		$^{16}\text{O}(p, d+^3\text{He}+2\alpha)^4\text{He} \sigma(\text{E})$			
492	LPI Expt	J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		$^{16}\text{O}(p, x)^6\text{Li} \sigma(\text{E})$			
493	LPI Theo	J YF 31	119	80 1.6+2	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{16}\text{O}(p, p+d+2\alpha)^6\text{Li} \sigma(\text{E})$			
494	LPI Expt	J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		$^{16}\text{O}(p, ^3\text{He}+2\alpha)^6\text{Li} \sigma(\text{E})$			
495	LPI Expt	J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		$^{16}\text{O}(p, x)^7\text{Li} \sigma(\text{E})$			
496	LPI Theo	J YF 31	119	80 1.6+2	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{16}\text{O}(p, 2p+2\alpha)^7\text{Li} \sigma(\text{E})$			
497	LPI Expt	J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		$^{16}\text{O}(p, x)^7\text{Be} \sigma(\text{E})$			
498	LPI Theo	J YF 31	119	80 1.6+2	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{16}\text{O}(p, d+2\alpha)^7\text{Be} \sigma(\text{E})$			
499	LPI Expt	J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		$^{16}\text{O}(p, \alpha+^6\text{Li})^7\text{Be} \sigma(\text{E})$			
500	LPI Expt	J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J	YF 27	7	178 5.0+1	Golikov+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J	YF 14	676	71 5.0+1	. INSTRUMENTATION.
	Expt J	BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
	Expt J	SNP 27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
	Expt J	SNP 14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
	Expt 4	EXFORA0018.006	379	5.0+1	. 1 DATA POINT. FROM YF 27, 7(1978).

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		Type					
$^{16}\text{O}(p,x)^9\text{Be}$ $\sigma(E)$							
501	LPI	Theo J YF	31	119	80	1.6+2	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
$^{16}\text{O}(p,p+^7\text{Be})^9\text{Be}$ $\sigma(E)$							
502	LPI	Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J YF	27	7	178	5.0+1	Golikov+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J YF	14	676	71	5.0+1	. INSTRUMENTATION.
		Expt J BAS	43	124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
		Expt J SNP	27	3	78	5.0+1	. TRANSLATION OF YF 27, 7(1978).
		Expt J SNP	14	379	472	5.0+1	. TRANSLATION OF YF 14, 676(1971).
		Expt 4 EXFORA0018.005	379	5.0+1			. 1 DATA POINT. FROM YF 27, 7(1978).
$^{16}\text{O}(p,2p+d+\alpha)^9\text{Be}$ $\sigma(E)$							
503	LPI	Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J BAS	43	124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{16}\text{O}(p,2p+^6\text{Li})^9\text{Be}$ $\sigma(E)$							
504	LPI	Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J BAS	43	124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{16}\text{O}(p,p+^3\text{He}+\alpha)^9\text{Be}$ $\sigma(E)$							
505	LPI	Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J BAS	43	124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{16}\text{O}(p,x)^{10}\text{Be}$ $\sigma(E)$							
506	LPI	Theo J YF	31	119	80	1.6+2	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
$^{16}\text{O}(p,3p+\alpha)^{10}\text{Be}$ $\sigma(E)$							
507	LPI	Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J BAS	43	124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{16}\text{O}(p,x)^{10}\text{B}$ Independent $\sigma(E)$							
508	LPI	Theo J YF	31	119	80	1.6+2	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
$^{16}\text{O}(p,x)^{10}\text{B}$ cumulative $\sigma(E)$							
509	LPI	Theo J YF	31	119	80	1.6+2	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
$^{16}\text{O}(p,p+d+\alpha)^{10}\text{B}$ $\sigma(E)$							
510	LPI	Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J BAS	43	124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{16}\text{O}(p,p+^6\text{Li})^{10}\text{B}$ $\sigma(E)$							
511	LPI	Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J YF	27	7	178	5.0+1	Golikov+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J YF	14	676	71	5.0+1	. INSTRUMENTATION.
		Expt J BAS	43	124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
		Expt J SNP	27	3	78	5.0+1	. TRANSLATION OF YF 27, 7(1978).
		Expt J SNP	14	379	472	5.0+1	. TRANSLATION OF YF 14, 676(1971).
		Expt 4 EXFORA0018.005	379	5.0+1			. 1 DATA POINT. FROM YF 27, 7(1978).
$^{16}\text{O}(p,^3\text{He}+\alpha)^{10}\text{B}$ $\sigma(E)$							
512	LPI	Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J YF	27	7	178	5.0+1	Golikov+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J YF	14	676	71	5.0+1	. INSTRUMENTATION.
		Expt J BAS	43	124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
		Expt J SNP	27	3	78	5.0+1	. TRANSLATION OF YF 27, 7(1978).
		Expt J SNP	14	379	472	5.0+1	. TRANSLATION OF YF 14, 676(1971).
		Expt 4 EXFORA0018.005	379	5.0+1			. 1 DATA POINT. FROM YF 27, 7(1978).
$^{16}\text{O}(p,x)^{11}\text{B}$ Independent $\sigma(E)$							
513	LPI	Theo J YF	31	119	80	1.6+2	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
$^{16}\text{O}(p,x)^{11}\text{B}$ cumulative $\sigma(E)$							
514	LPI	Theo J YF	31	119	80	1.6+2	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
$^{16}\text{O}(p,p+d+^3\text{He})^{11}\text{B}$ $\sigma(E)$							
515	LPI	Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt J BAS	43	124	79	5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{16}\text{O}(p,2p+\alpha)^{11}\text{B}$ $\sigma(E)$							
516	LPI	Expt J IZV	43	148	79	5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min}	E _{max}	Author.	Comments
		Type		(MeV)	(MeV)		
$^{16}\text{O}(p,2p+\alpha)^{11}\text{B}$ $\sigma(\text{E})$							
516	LPI	Expt J BAS	43 124 79 5.0+1				TRANSLATION OF IZV 43(1), 148.
$^{16}\text{O}(p,2^3\text{He})^{11}\text{B}$ $\sigma(\text{E})$							
517	LPI	Expt J IZV	43 148 79 5.0+1			Vdovin+ TBL.	EMULSION. KIN. ANALYSIS.
		Expt J YF	27 7 178 5.0+1			Golikov+ TBL.	EMULSION. KIN. ANALYSIS.
		Expt J YF	14 676 71 5.0+1			.	INSTRUMENTATION.
		Expt J BAS	43 124 79 5.0+1			.	TRANSLATION OF IZV 43(1), 148.
		Expt J SNP	27 3 78 5.0+1			.	TRANSLATION OF YF 27, 7(1978).
		Expt J SNP	14 379 472 5.0+1			.	TRANSLATION OF YF 14, 676(1971).
		Expt 4 EXFORA0018.006	379 5.0+1			.	1 DATA POINT. FROM YF 27, 7(1978).
$^{16}\text{O}(p,2p+^3\text{He})^{12}\text{B}$ $\sigma(\text{E})$							
518	LPI	Expt J IZV	43 148 79 5.0+1			Vdovin+ TBL.	EMULSION. KIN. ANALYSIS.
		Expt J BAS	43 124 79 5.0+1			.	TRANSLATION OF IZV 43(1), 148.
$^{16}\text{O}(p,x)^{10}\text{C}$ $\sigma(\text{E})$							
519	LPI	Theo J YF	31 119 80 1.6+2			Dmitriev+ TBL.	DYNAMICAL MODEL. CFD EXP
$^{16}\text{O}(p,p+^3\text{He})^{10}\text{C}$ $\sigma(\text{E})$							
520	LPI	Expt J IZV	43 148 79 5.0+1			Vdovin+ TBL.	EMULSION. KIN. ANALYSIS.
		Expt J YF	27 7 178 5.0+1			Golikov+ TBL.	EMULSION. KIN. ANALYSIS.
		Expt J YF	14 676 71 5.0+1			.	INSTRUMENTATION.
		Expt J BAS	43 124 79 5.0+1			.	TRANSLATION OF IZV 43(1), 148.
		Expt J SNP	27 3 78 5.0+1			.	TRANSLATION OF YF 27, 7(1978).
		Expt J SNP	14 379 472 5.0+1			.	TRANSLATION OF YF 14, 676(1971).
		Expt 4 EXFORA0018.005	379 5.0+1			.	1 DATA POINT. FROM YF 27, 7(1978).
$^{16}\text{O}(p,t+\alpha)^{10}\text{C}$ $\sigma(\text{E})$							
521	LPI	Expt J IZV	43 148 79 5.0+1			Vdovin+ TBL.	EMULSION. KIN. ANALYSIS.
		Expt J YF	27 7 178 5.0+1			Golikov+ TBL.	EMULSION. KIN. ANALYSIS.
		Expt J YF	14 676 71 5.0+1			.	INSTRUMENTATION.
		Expt J BAS	43 124 79 5.0+1			.	TRANSLATION OF IZV 43(1), 148.
		Expt J SNP	27 3 78 5.0+1			.	TRANSLATION OF YF 27, 7(1978).
		Expt J SNP	14 379 472 5.0+1			.	TRANSLATION OF YF 14, 676(1971).
		Expt 4 EXFORA0018.006	379 5.0+1			.	1 DATA POINT. FROM YF 27, 7(1978).
$^{16}\text{O}(p,x)^{11}\text{C}$ $\sigma(\text{E})$							
522	LPI	Theo J YF	31 119 80 1.6+2			Dmitriev+ TBL.	DYNAMICAL MODEL. CFD EXP
$^{16}\text{O}(p,p+d+t)^{11}\text{C}$ $\sigma(\text{E})$							
523	LPI	Expt J IZV	43 148 79 5.0+1			Vdovin+ TBL.	EMULSION. KIN. ANALYSIS.
		Expt J BAS	43 124 79 5.0+1			.	TRANSLATION OF IZV 43(1), 148.
$^{16}\text{O}(p,d+\alpha)^{11}\text{C}$ $\sigma(\text{E})$							
524	LPI	Expt J IZV	43 148 79 5.0+1			Vdovin+ TBL.	EMULSION. KIN. ANALYSIS.
		Expt J YF	27 7 178 5.0+1			Golikov+ TBL.	EMULSION. KIN. ANALYSIS.
		Expt J YF	14 676 71 5.0+1			.	INSTRUMENTATION.
		Expt J BAS	43 124 79 5.0+1			.	TRANSLATION OF IZV 43(1), 148.
		Expt J SNP	27 3 78 5.0+1			.	TRANSLATION OF YF 27, 7(1978).
		Expt J SNP	14 379 472 5.0+1			.	TRANSLATION OF YF 14, 676(1971).
		Expt 4 EXFORA0018.006	379 5.0+1			.	1 DATA POINT. FROM YF 27, 7(1978).
$^{16}\text{O}(p,x)^{12}\text{C}$ partial $\sigma(\text{E})$							
525	GSF	Eval J AJ/S	40 487 779 1.8+1	1.0+3		Ramaly+ CURV.	4.438-MEV GAMMA.
		Eval R NASA-TM-79654	79 1.8+1	1.0+3		.	SAME AS AJ/S 40, 487(1979).
$^{16}\text{O}(p,p+2d)^{12}\text{C}$ $\sigma(\text{E})$							
526	LPI	Expt J IZV	43 148 79 5.0+1			Vdovin+ TBL.	EMULSION. KIN. ANALYSIS.
		Expt J BAS	43 124 79 5.0+1			.	TRANSLATION OF IZV 43(1), 148.
$^{16}\text{O}(p,2p+t)^{12}\text{C}$ $\sigma(\text{E})$							
527	LPI	Expt J IZV	43 148 79 5.0+1			Vdovin+ TBL.	EMULSION. KIN. ANALYSIS.
		Expt J DAG	43 124 79 5.0+1			.	TRANSLATION OF IZV 43(1), 148.
$^{16}\text{O}(p,p+\alpha)^{12}\text{C}$ $\sigma(\text{E})$							
528	LPI	Expt J IZV	43 148 79 5.0+1			Vdovin+ TBL.	EMULSION. KIN. ANALYSIS.
		Expt J YF	27 7 178 5.0+1			Golikov+ TBL.	EMULSION. KIN. ANALYSIS.
		Expt J YF	14 676 71 5.0+1			.	INSTRUMENTATION.
		Expt J BAS	43 124 79 5.0+1			.	TRANSLATION OF IZV 43(1), 148.
		Expt J SNP	27 3 78 5.0+1			.	TRANSLATION OF YF 27, 7(1978).

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{160}(p,p+o)^{12}C \quad \sigma(E)$					
528	LPI Expt J SNP	14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
	Expt 4 EXFORA0018.005	379	5.0+1		. 1 DATA POINT. FROM YF 27, 7(1978).
$^{160}(p,d+^3He)^{12}C \quad \sigma(E)$					
529	LPI Expt J IZV	43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J YF	27	7 178 5.0+1		Golikov+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J YF	14	676	71 5.0+1	. INSTRUMENTATION.
	Expt J BAS	43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
	Expt J SNP	27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
	Expt J SNP	14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
	Expt 4 EXFORA0018.006	379	5.0+1		. 1 DATA POINT. FROM YF 27, 7(1978).
$^{160}(p,x)^{13}C \quad \text{partial } \sigma(E)$					
530	GSF Eval J AJ/S	40	487	779 2.1+1 4.0+2	Ramaty+ CURV. 3.68+-3.853-MEV GAMMAS.
	Eval R NASA-TM-79654	79	2.1+1 4.0+2		. SAME AS AJ/S 40, 487(1979).
$^{160}(p,2p+d)^{13}C \quad \sigma(E)$					
531	LPI Expt J IZV	43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J BAS	43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
$^{160}(p,p+^3He)^{13}C \quad \sigma(E)$					
532	LPI Expt J IZV	43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J YF	27	7 178 5.0+1		Golikov+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J YF	14	676	71 5.0+1	. INSTRUMENTATION.
	Expt J BAS	43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
	Expt J SNP	27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
	Expt J SNP	14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
	Expt 4 EXFORA0018.005	379	5.0+1		. 1 DATA POINT. FROM YF 27, 7(1978).
$^{160}(p,3p)^{14}C \quad \sigma(E)$					
533	LPI Expt J IZV	43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J BAS	43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
534	LPI Theo J YF	31	119	80 1.6+2	Omitriev+ TBL. DYNAMICAL MODEL. CFD EXP
$^{160}(p,d+t)^{12}N \quad \sigma(E)$					
535	LPI Expt J IZV	43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J YF	27	7 178 5.0+1		Golikov+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J YF	14	676	71 5.0+1	. INSTRUMENTATION.
	Expt J BAS	43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
	Expt J SNP	27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
	Expt J SNP	14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
	Expt 4 EXFORA0018.006	379	5.0+1		. 1 DATA POINT. FROM YF 27, 7(1978).
$^{160}(p,x)^{13}N \quad \sigma(E)$					
536	LPI Theo J YF	31	119	80 1.6+2	Omitriev+ TBL. DYNAMICAL MODEL. CFD EXP
$^{160}(p,p+t)^{13}N \quad \sigma(E)$					
537	LPI Expt J IZV	43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J YF	27	7 178 5.0+1		Golikov+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J YF	14	676	71 5.0+1	. INSTRUMENTATION.
	Expt J BAS	43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
	Expt J SNP	27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
	Expt J SNP	14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
	Expt 4 EXFORA0018.005	379	5.0+1		. 1 DATA POINT. FROM YF 27, 7(1978).
$^{160}(p,2d)^{13}N \quad \sigma(E)$					
538	LPI Expt J SNP	14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
539	LPI Expt J IZV	43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J YF	27	7 178 5.0+1		Golikov+ TBL. EMULSION. KIN. ANALYSIS.
	Expt J YF	14	676	71 5.0+1	. INSTRUMENTATION.
	Expt J BAS	43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
	Expt J SNP	27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
	Expt 4 EXFORA0018.005	379	5.0+1		. 1 DATA POINT. FROM YF 27, 7(1978).
$^{160}(p,o)^{13}N \quad \sigma(E)$					
540	ORL Eval J IRE	26	1713	279 TR	1.8+1 Wieland+ CURV.
541	KLN Expt J NP/A	286	523	877 6.7+0 9.2+0	Gruhlie+ CURV. ACTIV. ALSO REACTION RATE
$^{160}(p,o)^{13}N \quad \text{thick target yield}$					
542	ORL Eval J IRE	26	1713	279 TR	1.8+1 Wieland+ CURV. SATUR. YLD. FROM SIGMA.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
¹⁶O(p,α)¹³N thick target yield						
543	AML	Revw	J IRE 26	2281	479 1.8+1	Chaudri. TBL. CFD EXP. TO CALC.
544	DAV	Expt	A ANS 27	215	N77 1.9+1	Parks+ AQUEOUS SOLUTION. RECIRC. TAR.
545	JUL	Revw	C 78HARWEL	667	78 1.9+1	Stocklin+ TBL. SATURATION YLD.
¹⁶O(p,α)¹³N partial σ(E)						
546	JUL	Expt	P JUEL-1976	19	76 2.3+1	Rohwer+ CURV. A0 GROUP. INTAD.
¹⁶O(p,α)¹³N spectrum average σ(E)						
547	JAP	Expt	J ARI 28	663	677 1.0+1 1.2+1	Suzuki+ TBL. MULTI-TARGET ASSEMBLY
¹⁶O(p,α)¹³N product yield						
548	DAV	Expt	A ANS 33	224	N79 1.4+1	Lagunas-Solar+ TBL. REVIEW OF PROGRAM.
549	IKO	Expt	P A-1KO-77	52	77 2.7+1	Brinkman+ NDG. WATER-LOOP TRGT.
¹⁶O(p,α)¹³N relative σ(E)×factor						
550	KLN	Expt	J NP/A 286	523	877 6.7+0 9.2+0	Gruhler+ CURV. 5-FACTOR. ARBITRARY UNITS
¹⁶O(p,x)¹⁴N partial σ(E)						
551	GSF	Eval	J AJ/S 40	487	779 2.0+1 1.0+3	Ramaly+ CURV. EG=5.1-5.3 MEV.
		Eval	J AJ/S 40	487	779 1.0+1 4.0+1	Ramaly+ CURV. 2.313-MEV GAMMA.
		Eval	R NASA-TM-79654	79	1.0+1 4.0+1	. SAME AS AJ/S 40, 487(1979).
¹⁶O(p,p+d)¹⁴N σ(E)						
552	LPI	Expt	J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt	J YF 27	7	178 5.0+1	Golikov+ TBL. EMULSION. KIN. ANALYSIS.
		Expt	J YF 14	676	71 5.0+1	. INSTRUMENTATION.
		Expt	J BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		Expt	J SNP 27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
		Expt	J SNP 14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
		Expt	4 EXFORA0018.005	379	5.0+1	. 1 DATA POINT. FROM YF 27, 7(1978).
¹⁶O(p,x)¹⁵N partial σ(E)						
553	GSF	Eval	J AJ/S 40	487	779 2.0+1 1.0+3	Ramaly+ CURV. EG=5.1-5.3 MEV.
		Eval	J AJ/S 40	487	779 9.0+0 2.0+2	Ramaly+ CURV. EG=2.74, 6.92, 7.12, 7.30MEV
		Eval	R NASA-TM-79654	79	1.0+1 1.0+3	. SAME AS AJ/S 40, 487(1979).
¹⁶O(p,2p)¹⁵N σ(E)						
554	LPI	Expt	J IZV 43	148	79 5.0+1	Vdovin+ TBL. EMULSION. KIN. ANALYSIS.
		Expt	J YF 27	7	178 5.0+1	Golikov+ TBL. EMULSION. KIN. ANALYSIS.
		Expt	J YF 14	676	71 5.0+1	. INSTRUMENTATION.
		Expt	J BAS 43	124	79 5.0+1	. TRANSLATION OF IZV 43(1), 148.
		Expt	J SNP 27	3	78 5.0+1	. TRANSLATION OF YF 27, 7(1978).
		Expt	J SNP 14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
		Expt	4 EXFORA0018.005	379	5.0+1	. 1 DATA POINT. FROM YF 27, 7(1978).
¹⁶O(p,2p)¹⁵N partial σ(E)						
555	LPI	Expt	J YF 14	379	071 5.0+1	Loshchakov+ G.S. 13.7+-3.6MB. EMULSION.
		Expt	J SNP 14	379	472 5.0+1	. TRANSLATION OF YF 14, 676(1971).
¹⁶O(p,x)¹⁴O σ(E)						
556	LPI	Theo	J YF 31	119	80 1.6+2	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
¹⁶O(p,x)¹⁵O partial σ(E)						
557	GSF	Eval	J AJ/S 40	487	779 2.0+1 1.0+3	Ramaly+ CURV. EG=5.1-5.3 MEV.
		Eval	R NASA-TM-79654	79	2.0+1 1.0+3	. SAME AS AJ/S 40, 487(1979).
¹⁶O(p,x)¹⁵O σ(E)						
558	LPI	Theo	J YF 31	119	80 1.6+2	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
¹⁶O(p,n+p)¹⁵O product yield						
559	USA	Revw	J IRE 26	1703	279 2.6+1	Beaver+ NDG. CYCLOTRON PRODUCTION.
		Revw	J IRE 26	1703	279 NDG	Beaver+ 25 MC1/MUHR/HR.
¹⁶O(p,n+p)¹⁵O thick target yield						
560	AML	Revw	J IRE 26	2281	479 2.7+1	Chaudri. TBL. CFD EXP. TO CALC.
¹⁶O(p,inelastic)¹⁶O partial σ(E)						
561	JUL	Theo	J NP/A 324	77	779 2.0+1 1.5+2	Wambach+ CURV. 3-. DWBA(EXACT CF PSUEDO

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		¹⁸ O(p,inelastic) ¹⁶ O				partial $\sigma(E)$
562	GSF Eval J AJ/S	40	487 779	2.0+1 4.0+2	Ramaty+ CURV.	2.313-MEV GAMMA.
	Eval J AJ/S	40	487 779	2.0+1 8.0+1	Ramaty+ CURV.	EG=6.1-6.3 MEV.
	Eval H NASA-1M-79854		79 2.0+1	4.0+2	SAME AS A.J/S 40, 487(1979).	
		¹⁸ O(p,y) ¹⁷ F				partial product yield
563	BIR Expt J NP/A	322	33 679	1.3+1 1.3+1	Khan+ CURV.	GO. T=3/2. NAI. OXF CYCLO.
		¹⁸ O(p,y) ¹⁷ F				$\sigma(E)$
564	INU Theo A DA/B	37	5722 577	2.0+1 1.5+2	Compani-Tabrizi.	NDG. STAT. THEORY FISS
		¹⁸ O(p,x)charge distribution				binary $\sigma(E)$
565	INU Theo A BAP	21	29 76	2.0+1 1.0+2	Compani-Tabrizi+	NDG. Z=3-6. BIN. FRAG.
		¹⁸ O(p,x)mass distribution				$\sigma(E)$
566	MRY Expt J PR/C	19	631 379	5.0+1 9.0+1	Moyle+ TBL.CURV.	A=6-11. FROM ANG. DIST
		¹⁸ O(p,x)isotopic distribution				$\sigma(E)$
567	MRY Expt J PR/C	19	631 379	9.0+1	Moyle+ TBL.	A=7,10 FOR Z=3-6. FROM ANG.
		¹⁷ O(p,a) ¹⁴ N				$\sigma(E)$
568	TOR Exh A PC	35	15 79	4.0-1 1.4+0	Kieser+ NDG.	NEW RESONS. EXP.+R-MATRIX.
	Exh A PC	35	15 79	-3 4.0-1	Kieser+ NDG.	R-MATRIX EXTRAPOLATION.
	Expt A DA/B	39	1837 078	4.0-1 1.4+0	Kieser.	NDG. FROM PARTIALS. ALSO R-MATR
	Expt A DA/B	39	1837 078	-3 4.0-1	Kieser.	NDG. EXTRAPOL. TO ASTROPHYS. ES
		¹⁷ O(p,a) ¹⁴ N				partial relative $\sigma(E)$
569	STR Expt J PR/C	18	2007 N78	1.0-1 3.0+0	Sens+ CURV.	G.S. 4PI*AO.
570	TOR Expt J NP/A	327	172 979	6.7-1 6.8-1	Kieser+ CURV.	DOUBLET YIELD CURVES.
		¹⁷ O(p,a) ¹⁴ N				$\sigma(E)$ =factor
571	CAL Expt J NP/A	250	295 75	0.0+0 1.5-1	Rolfs+ CURV.	CALCULATED S-FACTOR.
572	MST Revu J ARN	28	115 D78	0.0+0 1.5-1	Rolfs+ CURV.	CALCULATED S-FACTOR.
573	TOR Expt J NP/A	331	155 N79	1.0-2 1.4-1	Kieser+ CURV.	S-FCT FROM R-MATRIX ANALY
		¹⁷ O(p,a) ¹⁴ N				partial $\sigma(E)$
574	TOR Expt A DA/B	39	1837 078	4.0-1 1.4+0	Kieser.	NDG. 5 NEW RESONANCES+DOUBLET.
		¹⁷ O(p,a) ¹⁴ N				raw $\sigma(E)$
575	TOR Expt J NP/A	331	155 N79	4.6-1 9.6-1	Kieser+ CURV.	135 DEG. ALSO A2, A4.
	Expt J NP/A	331	155 N79	5.2-1 5.3-1	Kieser+ CURV.	518 AND 525 KEY RESONANCE
576	MCM Expt J NP/A	331	155 N79	7.4-1 1.5+0	Kieser+ NDG.	
		¹⁷ O(p,inelastic) ¹⁷ O				partial relative $\sigma(E)$
577	STR Expt J PR/C	18	2007 N78	1.0-1 3.0+0	Sens+ CURV.	G AT 55DEG FOR FIRST LEVEL
		¹⁷ O(p,y) ¹⁸ F				partial raw $\sigma(E)$
578	STR Expt J PR/C	18	2007 N78	1.2+0 2.8+0	Sens+ CURV.	EG=937KEV AT 55 DEG.
		¹⁷ O(p,y) ¹⁸ F				$\sigma(E)$ =factor
579	CAL Expt J NP/A	250	295 75	0.0+0 1.5-1	Rolfs+ CURV.	CALCULATED S-FACTOR.
580	MST Revu J ARN	28	115 D78	0.0+0 1.5-1	Rolfs+ CURV.	CALCULATED S-FACTOR.
581	TOR Expt J NP/A	331	155 N79	1.0-2 1.4-1	Kieser+ CURV.	S-FCT FROM R-MATRIX ANALY
		¹⁷ O(p,y) ¹⁸ F				partial $\sigma(E)$
582	TOR Expt A DA/B	39	1837 078	NDG	Kieser.	NDG. FURTHER STUDY OF NEW DOUBLT
583	CAL Expt J NP/A	250	295 75	1.4+0 1.6+0	Rolfs+ TBL.	4 LVLS. CFD THE. ALSO P WID
		¹⁷ O(p,y) ¹⁸ F				partial relative $\sigma(E)$
584	TOR Expt J NP/A	327	172 979	6.7-1 6.8-1	Kieser+ CURV.	DOUBLET YIELD CURVES.
		¹⁸ O(p,a) ¹⁵ N				product yield
585	MCM Expt A PC	35	6 79	4.4+0 5.7+0	Din+ NDG.	ON-LINE. NEAR RESONANCES.
		¹⁸ O(p,a) ¹⁵ N				$\sigma(E)$
586	KQU Expt J NP/A	304	210 778	2.4-1 7.0-1	Mak+ CURV.	INTAD.
		¹⁸ O(p,a) ¹⁵ N				$\sigma(E)$ =factor
587	KQU Expt J NP/A	304	210 778	0.0+0 7.0-1	Mak+CURV.	S-FCT.R-MATRIX EXTRAP. LT 240

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min}	E _{max}	Author, Comments
		Type		(MeV)	(MeV)	
$^{10}\text{O}(p,\alpha)^{15}\text{N}$ partial $\sigma(E)$						
588	MST	Rev J	ARN 28	115	078 7.2-2	Rolf+G.S. 70PB. ANN REPT. MUNSTER (1977)
	Rev J	ARN	28	115	078 7.2-2 9.5-1	Rolf+ 10 ORD. OF MAGNITUDE OVER RANGE
$^{18}\text{O}(p,t)^{16}\text{O}$ partial $\sigma(E)$						
589	TAM	Theo J	PR/C 17	1271	478 2.0+1 4.4+1	Kubo+ CURV. 1- AND 2- STEP PROCESSES.
	Exth C	77TOKYO	551	977	2.0+1 4.4+1	Kubo+ CURV. 3 LEVELS CFD OM.
$^{18}\text{O}(p,t)^{18}\text{O}$ partial compound-nucleus $\sigma(E)$						
590	TAM	Theo J	PR/C 17	1271	478 2.0+1 4.4+1	Kubo+ CURV. VIA 018 2+ STATE TO 016 9.9
	Exth C	77TOKYO	551	977	2.0+1 4.4+1	Kubo+ CURV. 9.85 MEV LEVEL. CFD OM.
$^{18}\text{O}(p,t)^{16}\text{O}$ partial product yield						
591	ROC	Expt A	BAP 24	818	979 2.3+1	Anantaram+ NDG. G.S.
$^{18}\text{O}(p,\text{inelastic})^{18}\text{O}$ raw $\sigma(E)$, at resonance						
592	CBR	Expt J	AUJ 31	267	878 3.0+0 3.5+0	Din. TBL. 5 RES. FROM ANG. DIST.
$^{18}\text{O}(p,\text{inelastic})^{18}\text{O}$ product yield,						
593	MCM	Expt A	PC 35	6	79 4.4+0 5.7+0	Din+ NDG. ON-LINE. NEAR RESONANCES.
$^{18}\text{O}(p,n)^{18}\text{F}$ product yield						
594	BNL	Rev J	IRE 26	1710	279 NDG	Ruth+ TBL. SURVEY OF DATA RELIABILITY.
595	MCM	Expt A	PC 35	6	79 4.4+0 5.7+0	Din+ NDG. ON-LINE. NEAR RESONANCES.
596	USA	Rev J	IRE 26	1703	279 1.2+1 1.4+1	Beaver+ 60MCI/MUAHR. CYCLOTRON PRODUCT.
$^{18}\text{O}(p,n)^{18}\text{F}$ $\sigma(E)$						
597	OUU	Eval J	IRE 26	1713	279 TR	2.0+1 Wieland+ CURV.
598	BNL	Expt J	RCA 26	21	79 2.3+0 1.5+1	Ruth+ TBL. CURV. NAI(TL) WELL COUNTERS.
$^{18}\text{O}(p,n)^{18}\text{F}$ thick target yield						
599	OUU	Eval J	IRE 26	1713	279 TR	2.0+1 Wieland+ CURV.
	Eval A	JLCR 16	103	79 TR	2.0+1	Wieland+ CURV. SATUR. YLD. FROM SIGMA.
600	BNL	Expt J	RCA 26	21	79 2.6+0 1.4+1	Ruth+ TBL. CURV. FROM SIG(E). SAT. YLD.
601	UJV	Comp R	UJK-4199-B	277	1.0+1	Bem+SEV. MCI/MICROA-H. H20(13018). 5 REF.
$^{20}\text{P}(p,x)^{6}\text{Li}$ spectrum average $\sigma(E)$ *factor						
602	MRY	Exth C	75WASH	2	504 375 0.0+0 9.9+9	Roche+ TBL. RAT L17/L16. 2 MIXES C/N/O
	Exth C	75WASH	2	504 375 3.0+0 9.9+9	Roche+ TBL. RAT L17/L16. 2 MIXES C/N/O	
$^{20}\text{P}(p,x)^{7}\text{Li}$ spectrum average $\sigma(E)$ *factor						
603	MRY	Exth C	75WASH	2	504 375 0.0+0 9.9+9	Roche+ TBL. RAT L17/L16. 2 MIXES C/N/O
	Exth C	75WASH	2	504 375 3.0+0 9.9+9	Roche+ TBL. RAT L17/L16. 2 MIXES C/N/O	
$^{20}\text{P}(p,x)^{10}\text{B}$ spectrum average $\sigma(E)$ *factor						
604	MRY	Exth C	75WASH	2	504 375 0.0+0 9.9+9	Roche+ TBL. RAT B11/B10. 2 MIXES C/N/O
	Exth C	75WASH	2	504 375 3.0+0 9.9+9	Roche+ TBL. RAT B11/B10. 2 MIXES C/N/O	
$^{20}\text{P}(p,x)^{11}\text{B}$ spectrum average $\sigma(E)$ *factor						
605	MRY	Exth C	75WASH	2	504 375 0.0+0 9.9+9	Roche+ TBL. RAT B11/B10. 2 MIXES C/N/O
	Exth C	75WASH	2	504 375 3.0+0 9.9+9	Roche+ TBL. RAT B11/B10. 2 MIXES C/N/O	
$^{20}\text{P}(p,x)^{11}\text{C}$ product yield						
606	UPP	Expt P	KDK-23	9	478 7.0+1	Lundqvist+ NDG. 11CO2 FRM H2O.
	Expt P	KDK-23	9	478 1.2+1		Lundqvist+ NDG. 11CO2 FRM N2+4PRCNT O2.
	Expt P	NEANDC(OR)150	477	7.0+1		Lundqvist+NDG. H2O. PROD. LABELLED CMP. P.15
	Expt P	NEANDC(OR)146	476	7.0+1		Lundqvist+NDG. PROD. LABELLED CMP. P.16
$^{20}\text{P}(p,x)^{13}\text{N}$ product yield						
607	UPP	Expt P	NEANDC(OR)150	477	7.0+1	Lundqvist+NDG. H2O. PROD. LABELLED CMP. P.15
	Expt P	NEANDC(OR)146	476	7.0+1		Lundqvist+NDG. PROD. LABELLED CMP. P.16
$^{20}\text{P}(p,n)^{13}\text{N}$ thick target yield						
608	WIS	Expt A	JLCR 16	90	79 1.0+1	Nickles+ 4MCI/MUA 13N-NITRATE. H2O TRGT
$^{20}\text{P}(p,x)^{15}\text{O}$ product yield						
609	UPP	Expt P	KDK-23	9	478 4.5+1	Lundqvist+ NDG. 150-160 FRM KClO3.
	Expt P	KDK-23	9	478 7.0+1		Lundqvist+ NDG. H2-150 FRM H2O.
	Expt P	NEANDC(OR)150	477	4.5+1	7.0+1	Lundqvist+NDG. PROD. LABELLED CMP. P.15
	Expt P	NEANDC(OR)146	476	4.5+1	7.0+1	Lundqvist+NDG. PROD. LABELLED CMP. P.16

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
¹⁶ O(p,x)charge distribution spectrum average $\sigma(E)$ factor							
610	MRY	Exth C 75WASH	2 504 375 0.0+0	9.9+9	Roche+ TBL.	RAT L1/BE. 2 MIXES C/N/O	
		Exth C 75WASH	2 504 375 3.0+0	9.9+9	Roche+ TBL.	RAT L1/BE. 2 MIXES C/N/O	
		Exth C 75WASH	2 504 375 -3.0+0	9.9+9	Roche+ TBL.	RAT B/L1. 2 MIXES C/N/O	
		Exth C 75WASH	2 504 375 0.0+0	9.9+9	Roche+ TBL.	RAT B/L1. 2 MIXES C/N/O	
¹⁹ F(p,absorption) $\sigma(E)$							
611	IJI	Revu J FCY	6 827 75 9.9+1		Nemets+ TBL.		
		Revu J SJPN	6 325 76 9.9+1			..TRANSLATION OF FCY 6.(4).827(1975).	
¹⁹ F(p,a) ¹⁶ O $\sigma(E)$							
612	CAL	Theo J AND	22 371 N78 NDG		Woosley+ NDG.	SIG DATA AVAIL. FRM AUTH.	
		Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR	
613	HEI	Expt J NP/A	275 269 177 1.2+1	1.8+1	Stabler+ CURV.	INTAD. INCL. OTHER DATA.	
¹⁹ F(p,n) ¹⁸ O partial $\sigma(E)$							
614	PAD	Exth J NC/A	44 433 78 1.5+0	2.0+0	De-Rosa+ CURV.	INTAD. A0,API GROUPS.	
		Exth J NCL	11 33 974 6.0-1	1.8+0	Caracciolo+ CURV.	INTAD. A0,API GROUPS	
615	HEI	Expt J NP/A	275 269 177 1.2+1	1.8+1	Stabler+ CURV.	A0. INTAD(100-171 DEG).	
616	TUE	Exth J ZP/A	281 107 77 1.4+1		Rohwer+TBL.G.S. STAT.	MOD.CFD (N,A)+EXP	
617	MIL	Theo J NIM	146 265 077 2.0+1	5.0+1	Gadioli+ CURV.	PRE-EQUIL. MODL. A0 GRP.	
		Theo J NCL	15 83 176 2.0+1	4.5+1	Gadioli+ CURV.	EXCITON MODEL. A(0) GRP.	
618	JUL	Expt P JUEL-1976	19 76 2.3+1		Rohwer+ CURV.	A0 GROUP. INTAD.	
¹⁹ F(p,a) ¹⁶ O relative thick target yield							
619	BIR	Expt W ANN. REP.	16 77 8.4-1	9.6-1	Crumpton+ CURV.	MICROCRACKED CHROMIUM	
¹⁹ F(p,a) ¹⁶ O relative $\sigma(E)$							
620	BKB	Expt J NP/A	331 491 N79 3.0-1	1.1+0	Subotic+ CURV.	GAMMAS AT 0-DEGREES.	
¹⁹ F(p,x) ¹⁸ F thick target yield							
621	UJV	Comp R UJF-4199-B	277 8.6+0	2.2+1	Bem+ NDG.	6 REFERENCES.	
¹⁹ F(p,x) ¹⁸ F cumulative $\sigma(E)$							
622	KFK	Comp B PH-DAT	15 2 D79 2.2+1		Muenzel+ TBL.	FROM EXFOR.	
623	ORL	Expt J PR	9 723 55 2.2+1		Cohen+ TBL.	ACTIVITY AFTER 18NE DECAY.	
		Expt 4 EXFORB0049.002	77 2.2+1			. 175MB. AVE. UNC.=20%. CALIB. UNC.=15%	
¹⁹ F(p,n+p) ¹⁸ F $\sigma(E)$							
624	JUL	Comp J NIM	146 301 077 2.5+1	4.5+1	Schull. NDG.		
¹⁹ F(p,d) ¹⁸ F product yield							
625	KTY	Expt P ERDA-NDC-2	70 575 NDG		Reed+ NDG.		
¹⁹ F(p,2n) ¹⁸ Ne $\sigma(E)$							
626	JUL	Comp J NIM	146 301 077 2.5+1	4.5+1	Schull. NDG.	F18 PRODUCTION.	
¹⁹ F(p,2n) ¹⁸ Ne thick target yield							
627	UJV	Comp R UJF-4199-B	277 NDG		Bem+NDG.F18PROD.	BUTTERWORTHS,LONDON,328	
¹⁹ F(p,y) ²⁰ Ne partial $\sigma(E)$							
628	JUL	Theo J PR/C	18 1003 878 3.8+0	2.7+1	Schmid+ CURV.	E2 CROSS SECTION FOR G0.	
¹⁹ F(p,y) ²⁰ Ne $\sigma(E)$							
629	CAL	Theo J AND	22 371 N78 NDG		Woosley+ NDG.	SIG DATA AVAIL. FRM AUTH.	
		Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR	
¹⁹ F(p,y) ²⁰ Ne partial relative $\sigma(E)$							
630	BKB	Expt J NP/A	331 491 N79 3.0-1	1.1+0	Subotic+ CURV.	G1, G3.	
²⁰ F(p,a) ¹⁷ O $\sigma(E)$							
631	CAL	Theo J AND	22 371 N78 NDG		Woosley+ NDG.	SIG DATA AVAIL. FRM AUTH.	
		Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR	
²⁰ F(p,n) ²⁰ Ne $\sigma(E)$							
632	CAL	Theo J AND	22 371 N78 NDG		Woosley+ NDG.	SIG DATA AVAIL. FRM AUTH.	
		Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR	
²⁰ F(p,y) ²¹ Ne $\sigma(E)$							
633	CAL	Theo J AND	22 371 N78 NDG		Woosley+ NDG.	SIG DATA AVAIL. FRM AUTH.	
		Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR	

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
	$^{21}\text{F}(p,\alpha)^{18}\text{O}$	$\sigma(\text{E})$			
634	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{21}\text{F}(p,n)^{21}\text{Ne}$	$\sigma(\text{E})$			
635	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{21}\text{F}(p,\gamma)^{22}\text{Ne}$	$\sigma(\text{E})$			
636	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{22}\text{F}(p,\alpha)^{19}\text{O}$	$\sigma(\text{E})$			
637	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{22}\text{F}(p,n)^{22}\text{Ne}$	$\sigma(\text{E})$			
638	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{22}\text{F}(p,\gamma)^{23}\text{Ne}$	$\sigma(\text{E})$			
639	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{20}\text{Ne}(p,x)$	binary spallation $\sigma(\text{E})$			
640	INU Theo A DA/B	37 5722 577 0.0+0	1.1+2	Compani-Tabrizi.	NDG. STAT. THEORY FISS
	$^{20}\text{Ne}(p,\text{absorption})$	$\sigma(\text{E})$			
641	INU Theo A DA/B	37 5722 577 0.0+0	1.1+2	Compani-Tabrizi.	NDG. STAT. THEORY FISS
642	OXF Theo J NP/A	313 173 179 2.4+1		Mac-Kintosh+ TBL.	THREE MODELS.
	$^{20}\text{Ne}(p,\text{total})$	$\sigma(\text{E})$			
643	MNA Expt A BAP	22 544 477 2.0+1	5.0+1	Sourkes+	NDG. ATTEN. TECH.
	$^{20}\text{Ne}(p,x)\gamma$	$\sigma(\text{E})$			
644	HAU Expt P A-HAU-78	1 778 TR	2.4+1	Bodansky+	NDG.
	Expt A BAP	22 583 477 2.0+0	2.4+1	Dyer+	NDG.
645	GSF Eval J AJ/S	40 487 779 4.0+0	4.0+2	Ramaty+	CURV.
	Eval R NASA-TM-79654	79 4.0+0	4.0+2		. SAME AS AJ/S 40, 487(1979).
	$^{20}\text{Ne}(p,\alpha)^{17}\text{F}$	partial $\sigma(\text{E})$			
646	JUL Expt P JUEL-1976	19 76 2.3+1		Rohwer+	CURV. AD GROUP. INTAD.
	$^{20}\text{Ne}(p,\alpha)^{17}\text{F}$	$\sigma(\text{E})$			
647	CAL Theo R OAP-422	875 TR	1.7+1	Woosley+	CURV. HAUSER-FESHBACH.
648	KLN Expt J NP/A	286 523 877 5.6+0	1.0+1	Gruhle+	CURV. ACTIV. ALSO REACTION RATE
	$^{20}\text{Ne}(p,\alpha)^{17}\text{F}$	relative $\sigma(\text{E}) \times \text{factor}$			
649	KLN Expt J NP/A	286 523 877 5.6+0	1.0+1	Gruhle+	CURV. S-FACTOR. ARBITRARY UNITS
	$^{20}\text{Ne}(p,\text{inelastic})^{20}\text{Ne}$	$\sigma(\text{E})$			
650	OXF Theo J NP/A	313 173 179 2.4+1		Mac-Kintosh+ TBL.	THREE MODELS. 2+,4+
	$^{20}\text{Ne}(p,\text{inelastic})^{20}\text{Ne}$	partial $\sigma(\text{E})$			
651	GSF Eval J AJ/S	40 487 779 2.5+0	2.1+2	Ramaty+	CURV. EG=1.634 MEV.
	Eval R NASA-TM-79654	79 2.5+0	2.1+2		. SAME AS AJ/S 40, 487(1979).
	$^{20}\text{Ne}(p,n)^{20}\text{Na}$	$\sigma(\text{E})$			
652	CAL Theo R OAP-422	875 TR	1.7+1	Woosley+	CURV. HAUSER-FESHBACH.
	$^{20}\text{Ne}(p,\gamma)^{21}\text{Na}$	product yield			
653	MOS Revv R PHOTONUCLE	1 78 1.2+0		Varlamov+	NDG. TBL. FROM 55DEG DATA
	$^{20}\text{Ne}(p,\gamma)^{21}\text{Na}$	partial raw $\sigma(\text{E})$			
654	HLS Expt J PR/C	15 579 277 1.2+0	1.3+0	Keinonen+	NDG. DED. RES. STRENGTHS FROM
	$^{20}\text{Ne}(p,\gamma)^{21}\text{Na}$	$\sigma(\text{E})$			
655	CAL Theo J AND	22 371 N78 NDG		Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 1.0-1	1.7+1	Woosley+	CURV. HAUSER-FESHBACH.
656	INU Theo A DA/B	37 5722 577 0.0+0	1.1+2	Compani-Tabrizi.	NDG. STAT. THEORY FISS

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{20}\text{Ne}(p,\gamma)^{21}\text{Ne}$ $\sigma(E) \times \text{factor}$						
657	MST Rev J	ARN 28	115	078 0.0+0	1.8+0 Rolfs+	CURV. S-FACTOR. PL/B 52.317+MOD.
658	CAL Expt J	PL/B 52	317	074 3.8-1	1.5+0 Rolfs+	CURV. S-FACTOR. ALSO MODEL CALC.
$^{21}\text{Ne}(p,\alpha)^{18}\text{F}$ $\sigma(E)$						
659	CAL Theo R	OAP-422	875	TR	1.3+1 Woosley+	CURV. HAUSER-FESHBACH.
$^{21}\text{Ne}(p,\text{inelastic})^{21}\text{Ne}$ partial raw $\sigma(E)$						
660	HLS Expt J	PR/C 15	579	277 7.0-1	2.0+0 Keinonen+	CURV. EG = 0.350MEV.
$^{21}\text{Ne}(p,\text{inelastic})^{21}\text{Ne}$ l_y						
661	CRC Expt A	BAP 23	520	478 2.7+0	6.0+0 Mc-Donald+	NDG. 2789 AND 2796 KEV LVLS.
$^{21}\text{Ne}(p,n)^{21}\text{Na}$ $\sigma(E)$						
662	CAL Theo R	OAP-422	875	TR	1.3+1 Woosley+	CURV. HAUSER-FESHBACH.
$^{21}\text{Ne}(p,\gamma)^{22}\text{Na}$ product yield						
663	MOS Rev R	PHOTONUCLE	1	78 5.0-1	2.0+0 Variamov+	NDG. TBL. FROM 55DEG DATA
$^{21}\text{Ne}(p,\gamma)^{22}\text{Na}$ partial $\sigma(E) \times \text{factor}$						
664	CLA Exth J	NP/A 276	168	177 0.0+0	5.1-5 Berg+	CURV. S-FACT. FRM SIG(E,THETA)
$^{21}\text{Ne}(p,\gamma)^{22}\text{Na}$ partial raw $\sigma(E)$						
665	HLS Expt J	PR/C 15	579	277 5.0-1	2.0+0 Keinonen+	CURV. EG .GT. 2.6 MEV.
$^{21}\text{Ne}(p,\gamma)^{22}\text{Na}$ $\sigma(E)$						
666	CAL Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R	OAP-422	875	1.0-1	1.3+1 Woosley+	CURV. HAUSER-FESHBACH.
$^{22}\text{Ne}(p,\alpha)^{19}\text{F}$ $\sigma(E)$						
667	CAL Theo R	OAP-422	875	TR	1.3+1 Woosley+	CURV. HAUSER-FESHBACH.
$^{22}\text{Ne}(p,t)^{20}\text{Ne}$ partial product yield						
668	ROC Expt A	BAP 24	818	979 2.3+1		Anantaraman+ NDG. G.S.
$^{22}\text{Ne}(p,n)^{22}\text{Na}$ $\sigma(E)$						
669	CAL Theo R	OAP-422	875	TR	1.3+1 Woosley+	CURV. HAUSER-FESHBACH.
$^{22}\text{Ne}(p,\gamma)^{23}\text{Na}$ product yield						
670	MOS Rev R	PHOTONUCLE	1	78 1.3+0		Variamov+ NDG. TBL. FROM 55DEG DATA
$^{22}\text{Ne}(p,\gamma)^{23}\text{Na}$ partial raw $\sigma(E)$						
671	POT Expt J	NP/A 318	111	479 1.1+0	1.9+0 Smit+	CURV. EG GT 2.6MEV AT 55 DEG.
$^{22}\text{Ne}(p,\gamma)^{23}\text{Na}$ $\sigma(E)$						
672	CAL Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R	OAP-422	875	1.0-1	1.3+1 Woosley+	CURV. HAUSER-FESHBACH.
$^{23}\text{Ne}(p,n)^{23}\text{Na}$ $\sigma(E)$						
673	CAL Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{23}\text{Ne}(p,\gamma)^{24}\text{Na}$ $\sigma(E)$						
674	CAL Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{24}\text{Ne}(p,n)^{24}\text{Na}$ $\sigma(E)$						
675	CAL Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{24}\text{Ne}(p,\gamma)^{25}\text{Na}$ $\sigma(E)$						
676	CAL Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{23}\text{Na}(p,x)\gamma$ raw thick target yield						
677	AUA Expt J	AUJ 31	267	878 2.0+0	2.5+0 Bird+	TBL. THETA=135. CFD. TO OTHERS
$^{23}\text{Na}(p,x)^{18}\text{F}$ thick target yield						
678	UVJ Comp R	UJF-4199-B	277	2.0+1		Bem+ NDG. CEA-N-1466(2) (1972)

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
		$^{23}\text{Na}(p,\alpha)^{20}\text{Ne}$ partial relative $\sigma(E)$				
679	BOC Exth J NP/A	318 125 479 NDG			Kuhlmann+	CURV. J=0-6. EX=18MEV. H-F.
		$^{23}\text{Na}(p,\alpha)^{20}\text{Ne}$ partial $\sigma(E)$				
680	JUL Expt P JUEL-1976	19 76 2.3+1			Rohwer+	CURV. AO GROUP. INTAD.
		$^{23}\text{Na}(p,\alpha)^{20}\text{Ne}$ partial compound-nucleus raw $\sigma(E)$				
681	AML Expt J AUJ	30 407 877 3.9+0 3.9+0			Heggie+CURV.	A1GRP. THETA=55(G). T=2RES
		$^{23}\text{Na}(p,\alpha)^{20}\text{Ne}$ $\sigma(E)$				
682	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 1.0-1 8.1+0			Woosley+	CURV. HAUSER-FESHBACH.
		$^{23}\text{Na}(p,x)^{22}\text{Ne}$ cumulative $\sigma(E)$				
683	KFK Comp B PH-DAT	15 2 079 2.2+1			Muenzel+	TBL. FROM EXFOR.
684	ORL Expt J PR	99 723 55 2.2+1			Cohen+	TBL. ACTIVITY AFTER 22MG DECAY.
	Expt 4 EXFORB0049.	003 77 2.2+1				. 225MB. AVE. UNC.=20%. CALIB. UNC.=15%
		$^{23}\text{Na}(p,\text{inelastic})^{23}\text{Na}$ $\sigma(E)$				
685	MNA Exth J NIM	143 589 77 5.0+0 5.0+1			Sourkes+	TBL. FRM OTHER SOURCES.
		$^{23}\text{Na}(p,\text{inelastic})^{23}\text{Na}$ partial compound-nucleus raw $\sigma(E)$				
686	AML Expt J AUJ	30 407 877 3.9+0 3.9+0			Heggie+CURV.	P2-4GRPS. THETA=55(G). T=2RES
		$^{23}\text{Na}(p,n)^{23}\text{Mg}$ $\sigma(E)$				
687	CAL Theo R OAP-422	875 TR	8.1+0		Woosley+	CURV. HAUSER-FESHBACH.
688	KTY Expt J IRE	26 1212 279 5.0+0 5.8+0			Gabbard+	CURV. 4PI DETECTOR. CFD THEORY
	Expt J PR/C	18 1556 078 5.0+0 5.8+0			Flynn+	CURV. 4PI DETECTOR.
689	CAL Expt J NP/A	256 163 76 5.1+0 1.2+1			Mann+	CURV. MEASURED DELAY GAMMAS
		$^{23}\text{Na}(p,n)^{23}\text{Mg}$ partial $\sigma(E)$				
690	KTY Exth P U/KTY-77	86 77 4.8+0 7.5+0			Flynn+	CURV. N0-N3 GRP. HAUSER-FESHBACH
		$^{23}\text{Na}(p,y)^{24}\text{Mg}$ product yield				
691	MOS Revw R PHOTONUCLE	1 78 3.9+0 3.9+0			Varlamov+	NDG. TBL. FROM 0, 55 DEG DATA
		$^{23}\text{Na}(p,y)^{24}\text{Mg}$ partial raw $\sigma(E)$				
692	AML Expt J AUJ	30 407 877 3.9+0 3.9+0			Heggie+CURV.	7-11MEVGS. THETA=55. T=2 RES
693	HAU Expt J NP/A	305 144 778 3.9+0 3.9+0			Osborne+CURV.	EG=9-11, 10., 10.7. NA(1).
694	CRC Expt J NP/A	305 151 778 3.9+0 3.9+0			McDonald+	CURV. EG=7.5-11.5. LARGE NA.
		$^{23}\text{Na}(p,y)^{24}\text{Mg}$ $\sigma(E)$				
695	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 1.0-1 8.1+0			Woosley+	CURV. HAUSER-FESHBACH.
696	USA Expt A BAP	23 518 478 5.0-1 2.5+0			No Author-Lab.	NDG. OED. STRENGTHS.
		$^{23}\text{Na}(p,y)^{24}\text{Mg}$ raw $\sigma(E)$				
697	AML Expt J PR/C	17 1550 578 5.1-1 5.2-1			Paine+	CURV. ALSO DEDUCED RES. STRENGT
		$^{24}\text{Na}(p,\alpha)^{21}\text{Ne}$ $\sigma(E)$				
698	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{24}\text{Na}(p,n)^{24}\text{Mg}$ $\sigma(E)$				
699	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AU
	Theo J AND	22 371 N78 NDG				. TBL. OF STAT. THERMONUC. REAC. RT.
		$^{24}\text{Na}(p,y)^{25}\text{Mg}$ $\sigma(E)$				
700	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{25}\text{Na}(p,\alpha)^{22}\text{Ne}$ $\sigma(E)$				
701	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{25}\text{Na}(p,n)^{25}\text{Mg}$ $\sigma(E)$				
702	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AU
	Theo J AND	22 371 N78 NDG				. TBL. OF STAT. THERMONUC. REAC. RT.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
²⁵Na(p,γ)²⁶Mg o(E)					
703	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
²⁶Na(p,α)²³Ne o(E)					
704	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
²⁶Na(p,n)²⁶Mg o(E)					
705	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AU
	Theo J AND	22 371 N78 NDG			. TBL. OF STAT. THERMONUC. REAC. RT.
²⁶Na(p,γ)²⁷Mg o(E)					
706	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
²⁷Na(p,n)²⁷Mg o(E)					
707	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AU
	Theo J AND	22 371 N78 NDG			. TBL. OF STAT. THERMONUC. REAC. RT.
²⁷Na(p,γ)²⁸Mg o(E)					
708	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
²⁸Na(p,inelastic) thick target yield×factor					
709	MNA Exth J NIM	143 589 77 2.1+1 1.5+2			Sourkes+ TBL. CURV. REACTION RATES. NAI
²⁸Na(p,x)²²Ne spectrum average thick target yield					
710	RIC Theo J JGR	81 5701 76 SCR			Walton+ TBL.E<=200.<Z>=13.1%NA.99%INERT
	Theo J JGR	81 5701 76 SCR			Walton+ TBL.E<= 45.<Z>=13.1%NA.99%INERT
²⁸Na(p,x)²⁸Mg product yield					
711	UPP Expt P NEANDC(OR)150	477 1.0+2			Lundqvist+NDG. PROD. LABELLED CMP. P.15
	Expt P NEANDC(OR)146	476 1.0+2			Lundqvist+NDG. PROD. LABELLED CMP. P.16
²⁸Na(p,x)²⁸Mg o(E)					
712	UPP Expt P NEANDC(OR)150	477 NDG			Lundqvist+ NDG. STUDY IN PROGRESS. P.15
	Expt P NEANDC(OR)146	476 NDG			Lundqvist+ NDG. STUDY IN PROGRESS. P.16
²⁸Na(p,x) isotopic distribution spectrum average product yield					
713	IST Theo A ANS	27 195 N77 2.0+1 2.0+2			Dyer+ NDG. ISOTOPE PROD IN NAI. ORBITAL
	Theo A ANS	27 195 N77 3.0+2 9.9+9			Dyer+ NDG. ISOTOPE PROD IN NAI. LUNAR.
Mg(p,absorption) o(E)					
714	IJI Revw J FCY	6 827 75 9.2+0 9.9+1			Nemeis+ TBL.
	Revw J SUPN	6 325 76 9.2+0 9.9+1			. TRANSLATION OF FCY 6.(4).827(1975).
Mg(p,x)γ thick target yield					
715	CCP Expt R YK- 21	73 76 1.2+1 2.3+1			Malusevich+ CURV. TBL. THETA = 0 DEG.
	Expt R INDC(CCP)-103	577 1.2+1 2.3+1			.TRANSLATION OF T. OF C.(YK 21,73(1976)
Mg(p,x)γ raw thick target yield					
716	AUA Expt J AUJ	31 267 878 2.0+0 2.5+0			Bird+ TBL. THETA=135. CFD. TO OTHERS
Mg(p,x)³He o(E)					
717	RIC Expt J JGR	81 5689 76 1.2+1 4.5+1			Walton+ CURV.
	Expt J JGR	79 314 74 1.5+1 4.2+1			. PART. SUPER. CORR. TO JGR 78,6428(73)
	Expt J JGR	78 6428 73 1.5+1 4.2+1			. PART. SUPER. BY JGR 79,314(74)
Mg(p,x)⁴He o(E)					
718	RIC Expt J JGR	81 5689 76 1.2+1 4.5+1			Walton+ CURV.
	Expt J JGR	79 314 74 1.5+1 4.2+1			. PART. SUPER. CORR. TO JGR 78,6428(73)
	Expt J JGR	78 6428 73 1.5+1 4.2+1			. PART. SUPER. BY JGR 79,314(74)
Mg(p,x)²⁰Ne o(E)					
719	RIC Expt J JGR	81 5689 76 1.2+1 4.5+1			Walton+ CURV.
	Expt J JGR	79 314 74 1.5+1 4.2+1			. PART. SUPER. CORR. TO JGR 78,6428(73)
	Expt J JGR	78 6428 73 1.5+1 4.2+1			. PART. SUPER. BY JGR 79,314(74)
Mg(p,x)²¹Ne o(E)					
720	RIC Expt J JGR	81 5689 76 1.2+1 4.5+1			Walton+ CURV.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Mg(p,x)²¹Ne σ(E)					
720	RIC Expt J	JGR 79 314	74 1.5+1	4.2+1	. PART. SUPER. CORR. TO JGR 78,6428(73)
	Expt J	JGR 78 6428	73 1.5+1	4.2+1	. PART. SUPER. BY JGR 79,314(74)
Mg(p,x)²²Ne independent σ(E)					
721	RIC Expt J	JGR 81 5689	76 1.6+1	4.5+1	Wallon+ CURV.
	Expt J	JGR 79 314	74 2.2+1	4.2+1	. PART. SUPER. CORR. TO JGR 78,6428(73)
	Expt J	JGR 78 6428	73 2.2+1	4.2+1	. PART. SUPER. BY JGR 79,314(74)
Mg(p,x)²²Ne cumulative σ(E)					
722	RIC Expt J	JGR 81 5689	76 1.2+1	4.5+1	Wallon+ CURV.
	Expt J	JGR 79 314	74 1.5+1	4.2+1	. PART. SUPER. CORR. TO JGR 78,6428(73)
	Expt J	JGR 78 6428	73 1.5+1	4.2+1	. PART. SUPER. BY JGR 79,314(74)
Mg(p,x)²¹Na σ(E)					
723	CLU Expt J	PR/C 13 976	76 1.5+1	2.7+1	Wilson+ TBL. ENERGY SPREAD 0.4 TO 0.7
Mg(p,x)²²Na σ(E)					
724	GSF Eval J	AJ/S 40 487	779-8.0+0	1.0+3	Ramaty+ CURV.
	Eval R	NASA-TM-79654	79 8.0+0	1.0+3	. SAME AS AJ/S 40, 487(1979).
Mg(p,x)²²Na cumulative σ(E)					
725	LVN Expt J	ARI 28 533	77 4.0+1	8.5+1	Haasbroek+ NDG. STCKD-FOILS. RES. ACT.
	Expt R	CSIR-FIS-89	76 2.9+1	8.4+1	Haasbroek+
	Expt W	TO KACHAPAG	79 2.9+1	8.4+1	Haasbroek+ NUMERICAL DATA.
	Expt 4	EXFORB0098.002	779 2.9+1	8.4+1	. 24 DATA POINTS.
726	MRY Expt J	ARI 28 533	77 1.0+2		Haasbroek+ NDG. STCKD-FOILS. RES. ACT.
Mg(p,x)²²Na cumulative thick target yield					
727	LVN Expt J	ARI 28 533	77 4.0+1	8.5+1	Haasbroek+ TBL. FRM STCKD-FOIL RESULTS
	Expt J	ARI 28 533	77 5.5+1	8.5+1	Haasbroek+ TBL. STOPPING TRGT. RES. ACT
	Expt P	INDC(SAF)-5 8 878	4.0+1	8.5+1	Haasbroek+ TBL. FRM SIG AND DIRECTLY.
	Expt R	CSIR-FIS-89	76 2.9+1	8.5+1	Haasbroek+
	Expt 4	EXFORB0098.002	779 2.9+1	8.5+1	. 28 DATA POINTS.
728	MRY Expt J	ARI 28 533	77 1.0+2		Haasbroek+ 64.6 CI/AH. FRM STCKD-FOIL
	Expt P	INDC(SAF)-5 8 878	1.0+2		Haasbroek+ TBL. FRM SIG AND DIRECTLY.
	Expt R	CSIR-FIS-89	76 1.0+2		Haasbroek+
	Expt 4	EXFORB0098.002	779 1.0+2		. 1 DATA POINT.
Mg(p,x)²⁴Na σ(E)					
729	CLU Expt J	PR/C 13 976	76 1.5+1	2.7+1	Wilson+ TBL. ENERGY SPREAD 0.4 TO 0.7
Mg(p,x)²⁵Na σ(E)					
730	CLU Expt J	PR/C 13 976	76 1.5+1	2.7+1	Wilson+ TBL. ENERGY SPREAD 0.4 TO 0.7
Mg(p,x)²²Mg σ(E)					
731	CLU Expt J	PR/C 13 976	76 1.5+1	2.7+1	Wilson+ TBL. ENERGY SPREAD 0.4 TO 0.7
Mg(p,x)²³Mg σ(E)					
732	CLU Expt J	PR/C 13 976	76 1.5+1	2.7+1	Wilson+ TBL. ENERGY SPREAD 0.4 TO 0.7
Mg(p,x)²⁴Al σ(E)					
733	CLU Expt J	PR/C 13 976	76 1.5+1	2.7+1	Wilson+ TBL. ENERGY SPREAD 0.4 TO 0.7
²⁴Mg(p,absorption) σ(E)					
734	MNA Exth J	NP/A 290 45 077	1.8+1	4.8+1	Davison+TBL.CURV.CMPRD TO O.M.+BLACKNUC
735	OXF Theo J	NP/A 313 173 179	1.8+1	5.0+1	Mac-Kintosh+ TBL. THREE MODELS.
²⁴Mg(p,x)γ σ(E)					
736	WAU Expt P	A-WAU-78 1 778	TR	2.4+1	Bodansky+ NDG.
	Expt A	BAP 22 583	477 2.0+0	2.4+1	Dyer+ NDG.
737	GSF Eval J	AJ/S 40 487	779 5.0+0	6.0+2	Ramaty+ CURV.
	Eval R	NASA-TM-79654	79 5.0+0	6.0+2	. SAME AS AJ/S 40, 487(1979).
²⁴Mg(p,x)¹⁷N σ(E)					
738	LIN Expt J	YF 25 1140	677 1.0+3		Balist+ BORON-LOADED SCIN IN PARAFFIN.
	Expt 4	EXFORA0013.002	379 1.0+3		. 1 DATA POINT.
²⁴Mg(p,x)¹⁷N σ(E)xfactor					
739	LIN Expt J	YF 25 1140	677 1.0+3		Balist+ RATIOS ²⁴ MG/ ²⁵ MG. ²⁶ MG.
	Expt 4	EXFORA0013.003	379 1.0+3		. 1 DATA POINT FOR EACH RATIO.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
	$^{24}\text{Mg}(p,x)^{18}\text{F}$ thick target yield					
740	UJV Comp R	UJF-4199-B	277	4.0+1	Bem+	NDG. CEA-N-1466(2)(1972)
	$^{24}\text{Mg}(p,p+\alpha)^{20}\text{Ne}$ partial $\sigma(E)$ factor					
741	MRY Theo C	75MRYLND	265	75 5.0+1	Chan+ CURV.	G.S. RATIO OHIA/PHIA
	$^{24}\text{Mg}(p,\alpha)^{21}\text{Na}$ partial $\sigma(E)$					
742	JUL Expt P	JUEL-1976	19	76 2.3+1	Rohwer+	CURV. AD GROUP. INTAD.
	$^{24}\text{Mg}(p,\alpha)^{21}\text{Na}$ $\sigma(E)$					
743	CAL Theo R	OAP-422	875	TR	1.7+1	Woosley+ CURV. HAUSER-FESHBACH.
744	KLN Expt J	NP/A 286	523	877 9.2+0	1.4+1	Gruhle+ CURV. ACTIV. ALSO REACTION RATE
	$^{24}\text{Mg}(p,\alpha)^{21}\text{Na}$ relative $\sigma(E)$ factor					
745	KLN Expt J	NP/A 286	523	877 9.2+0	1.4+1	Gruhle+ CURV. S-FACTOR. ARBITRARY UNITS
	$^{24}\text{Mg}(p,\text{inelastic})^{24}\text{Mg}$ $\sigma(E)$					
746	OXF Theo J	NP/A 313	173	179 1.8+1	5.0+1	Mac-Kintosh+ TBL. THREE MODELS. 2+,4+
	$^{24}\text{Mg}(p,\text{inelastic})^{24}\text{Mg}$ partial $\sigma(E)$					
747	GSF Eval J	AJ/S 40	487	779 3.5+0	2.0+2	Ramaty+ CURV. EG=1.639 MEV.
	Eval R NASA-TM-79654					
			79	3.5+0	2.0+2	. SAME AS AJ/S 40, 487(1979).
	$^{24}\text{Mg}(p,\text{inelastic})^{24}\text{Mg}$ partial relative $\sigma(E)$					
748	IBJ Expt J	JP/G 2	831	N76 9.1+0		Herman+ NDG. FRM DA. ANOMALOUS O-M PAR
	$^{24}\text{Mg}(p,\text{inelastic})^{24}\text{Mg}$ partial $\sigma(E)$					
749	IBJ Expt J	JP/G 2	831	N76 9.1+0		Herman+ 182MB. FIRST 2+ STATE. FRM DA.
	$^{24}\text{Mg}(p,\text{elastic})^{24}\text{Mg}$ relative $\sigma(E)$					
750	IBJ Expt J	JP/G 2	831	N76 9.1+0		Herman+ CURV. REL TO H-F. FRM DA.
	$^{24}\text{Mg}(p,2n)^{23}\text{Al}$ product yield					
751	BRK Revv J	ARN 27	333	77	NDG	Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
	$^{24}\text{Mg}(p,n)^{24}\text{Al}$ $\sigma(E)$					
752	CAL Theo R	OAP-422	875	TR	1.7+1	Woosley+ CURV. HAUSER-FESHBACH.
	$^{24}\text{Mg}(p,\gamma)^{25}\text{Al}$ $\sigma(E)$					
753	CAL Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22					
			371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422					
			875	1.0-1	1.7+1	Woosley+ CURV. HAUSER-FESHBACH.
	$^{25}\text{Mg}(p,x)^{17}\text{N}$ $\sigma(E)$					
754	LIN Expt J	YF 25	1140	677 1.0+3		Balistr BORON-LOADED SCIN IN PARAFFIN.
	Expt 4 EXFORA0013.002					
			379	1.0+3		. 1 DATA POINT.
	$^{25}\text{Mg}(p,x)^{17}\text{N}$ $\sigma(E)$ factor					
755	LIN Expt J	YF 25	1140	677 1.0+3		Balistr RATIO $^{24}\text{MG}/^{25}\text{MG}$.
	Expt 4 EXFORA0013.003					
			379	1.0+3		. 1 DATA POINT.
	$^{25}\text{Mg}(p,x)^{18}\text{F}$ thick target yield					
756	UJV Comp R	UJF-4199-B	277	1.5+1		Bem+ NDG. CEA-N-1466(2)(1972)
	$^{25}\text{Mg}(p,\alpha)^{22}\text{Na}$ $\sigma(E)$					
757	CAL Theo R	OAP-422	875	TR	1.4+1	Woosley+ CURV. HAUSER-FESHBACH.
	$^{25}\text{Mg}(p,2p)^{24}\text{Na}$ including metastable $\sigma(E)$					
758	KFK Comp B	PH-DAT 15	2	079 2.2+1		Muenzel+ TBL. FROM EXFOR.
759	ORL Expt J	PR 99	723	55 2.2+1		Cohen+ TBL. RESIDUAL ACTIVITY.
	Expt 4 EXFORB0049.004					
			77	2.2+1		. 54MB. AVE. UNC.=20%. CALIB. UNC.=15%.
	$^{25}\text{Mg}(p,\text{inelastic})^{25}\text{Mg}$ partial relative $\sigma(E)$					
760	IBJ Expt J	JP/G 2	831	N76 9.1+0		Herman+ CURV. REL TO H-F. FRM DA 13 GRP
	$^{25}\text{Mg}(p,\text{elastic})^{25}\text{Mg}$ relative $\sigma(E)$					
761	IBJ Expt J	JP/G 2	831	76 9.1+0		Herman+ CURV. RATIO TO HAUSER-FESHBACH.
	$^{25}\text{Mg}(p,n)^{25}\text{Al}$ partial $\sigma(E)$					
762	CAL Expt A	BAP 24	593	479	TR	+0 Davidson+ NDG. NO. GAMMA+BETA+ DETECT.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{25}\text{Mg}(p,n)^{25}\text{Al}$ $\sigma(E)$					
763	CAL Theo R OAP-422		875 TR	1.4+1	Woosley+ CURV. HAUSER-FESHBACH.
$^{25}\text{Mg}(p,\gamma)^{26}\text{Al}$ $\sigma(E)$					
764	CAL Theo J AND 22	371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 1.0-1	1.4+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{25}\text{Mg}(p,\gamma)^{26}\text{Al}$ partial relative $\sigma(E)$					
765	MST Expt J ZP/A 293	261 79 8.0-2	3.5-1		Elix+ CURV. 417-KEV G AT 0-DEG.
$^{25}\text{Mg}(p,\gamma)^{26}\text{Al}$ 1_γ at resonance					
766	MST Expt J ZP/A 293	261 79 3.0-1	3.2-1		Elix+ CURV. THETA=0-DEG. DED. RES. PROP
$^{25}\text{Mg}(p,\gamma)^{26}\text{Al}$ average ratio $\sigma(E)$					
767	HAU Theo J AJ 231	198 79 3.0-1	1.7+0		Norman. AT 2 TEMP. FROM DE NEIJS DATA.
$^{26}\text{Mg}(p,x)^{17}\text{N}$ $\sigma(E)$					
768	LIN Expt J YF 25	1140 677 1.0+3			Balistr+ BORON-LOADED SCIN IN PARAFFIN.
	Expt 4 EXFORA0013.002	379 1.0+3			. 1 DATA POINT.
$^{26}\text{Mg}(p,x)^{17}\text{N}$ $\sigma(E)$ x factor					
769	LIN Expt J YF 25	1140 677 1.0+3			Balistr+ RATIO $^{24}\text{Mg}/^{26}\text{Mg}$.
	Expt 4 EXFORA0013.003	379 1.0+3			. 1 DATA POINT.
$^{26}\text{Mg}(p,x)^{18}\text{F}$ thick target yield					
770	UJV Comp R UJF-4199-B	277 3.2+1			Bem+ NDG. CEA-N-1466(2)(1972)
$^{26}\text{Mg}(p,\alpha)^{23}\text{Na}$ partial $\sigma(E)$					
771	JUL Expt P JUEL-1976	19 76 2.3+1			Rohwer+ CURV. A0 GROUP. INTAD.
$^{26}\text{Mg}(p,\alpha)^{23}\text{Na}$ $\sigma(E)$					
772	CAL Theo R OAP-422	875 TR	1.2+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{26}\text{Mg}(p,t)^{24}\text{Mg}$ partial product yield					
773	ROC Expt A BAP 24	818 979 2.3+1			Anantaraman+ NDG. G.S.
$^{26}\text{Mg}(p,\text{inelastic})^{26}\text{Mg}$ partial relative $\sigma(E)$					
774	IBJ Expt J JP/G 2	831 N76 9.1+0			Herman+ CURV. REL TO H-F. FRM DA. 6 GRP
$^{26}\text{Mg}(p,\text{elastic})^{26}\text{Mg}$ relative $\sigma(E)$					
775	IBJ Expt J JP/G 2	831 76 9.1+0			Herman+ CURV. RATIO TO HAUSER-FESHBACH.
$^{26}\text{Mg}(p,n)^{26}\text{Al}$ partial $\sigma(E)$					
776	CAL Expt A BAP 24	593 479 TR		+0	Davidson+ NDG. NI.2. GAMMA+BETA-+ DETEC
$^{26}\text{Mg}(p,n)^{26}\text{Al}$ $\sigma(E)$					
777	CAL Theo R OAP-422	875 TR	1.2+1		Woosley+ CURV. HAUSER-FESHBACH.
778	GSF Eval J AJ/S 40	487 779 6.0+0	5.0+1		Ramaty+ CURV.
	Eval R NASA-TM-79654	79 6.0+0	5.0+1		. SAME AS AJ/S 40, 487(1979).
$^{26}\text{Mg}(p,n)^{26}\text{Al}$ $\sigma(E)$					
779	TOR Exth J CJP 57	286 279 4.8+0	7.0+0		King+ TBL. STAT. COMP. NUCL. MOD.
	Expt J CJP 57	1063 779 4.8+0	8.0+0		. ERRATUM TO CJP 57, 286(1979).
	Theo J AJ 230	558 679 5.0+0	7.2+0		King. NDG. SEE CJP 57, 286.
$^{26}\text{Mg}(p,n)^{26}\text{Al}$ $\sigma(E)$					
780	TOR Exth J CJP 57	286 279 5.0+0	9.5+0		King+ TBL. STAT. COMP. NUCL. MOD.
	Theo J AJ 230	558 679 5.0+0	9.3+0		King. NDG. SEE CJP 57, 286.
$^{26}\text{Mg}(p,\gamma)^{27}\text{Al}$ partial raw $\sigma(E)$					
781	UTR Expt J NP/A 301	237 578 7.0-1	1.0+0		Maas+ CURV. EG .GT. 4.3MEV.
	Expt J NP/A 301	237 578 8.1-1	8.1-1		Maas+CURV.EG .GT. 4.3MEV.809-810DOUBLET
$^{26}\text{Mg}(p,\gamma)^{27}\text{Al}$ $\sigma(E)$					
782	CAL Theo J AND 22	371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 1.0-1	1.2+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{26}\text{Mg}(p,\gamma)^{27}\text{Al}$ raw $\sigma(E)$					
783	AML Expt J NP/A 331	389 N79 5.0-1	2.0+0		Paine+ NDG. DEDUCED RES. STRENGTHS.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
$^{27}\text{Mg}(p,n)^{27}\text{Al}$ $\sigma(E)$						
784	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AU
	Theo J AND	22 371 N78 NDG				.TBL. OF STAT. THERMONUC. REAC. RT.
$^{27}\text{Mg}(p,\gamma)^{28}\text{Al}$ $\sigma(E)$						
785	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{28}\text{Mg}(p,n)^{28}\text{Al}$ $\sigma(E)$						
786	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AU
	Theo J AND	22 371 N78 NDG				.TBL. OF STAT. THERMONUC. REAC. RT.
$^{28}\text{Mg}(p,\gamma)^{29}\text{Al}$ $\sigma(E)$						
787	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{28}\text{Mg}(p,n)^{29}\text{Al}$ $\sigma(E)$						
788	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AU
	Theo J AND	22 371 N78 NDG				.TBL. OF STAT. THERMONUC. REAC. RT.
$^{28}\text{Mg}(p,\gamma)^{30}\text{Al}$ $\sigma(E)$						
789	CAL Theo J AND	22 371 N78 NDG			Woosley+	SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{28}\text{Mg}(p,x)^{28}\text{Ne}$ spectrum average thick target yield						
790	RIC Theo J JGR	81 5701 76 SCR			Walton+	TBL.E<=200.<Z>=13.1%MG.99%INERT
	Theo J JGR	81 5701 76 SCR			Walton+	TBL.E<= 45.<Z>=13.1%MG.99%INERT
$^{28}\text{Mg}(p,x)^{21}\text{Ne}$ spectrum average thick target yield						
791	RIC Theo J JGR	81 5701 76 SCR			Walton+	TBL.E<=200.<Z>=13.1%MG.99%INERT
	Theo J JGR	81 5701 76 SCR			Walton+	TBL.E<= 45.<Z>=13.1%MG.99%INERT
$^{28}\text{Mg}(p,x)^{22}\text{Ne}$ independent spectrum average thick target yield						
792	RIC Theo J JGR	81 5701 76 SCR			Walton+	TBL.E<=200.<Z>=13.1%MG.99%INERT
	Theo J JGR	81 5701 76 SCR			Walton+	TBL.E<= 45.<Z>=13.1%MG.99%INERT
$^{28}\text{Mg}(p,x)^{22}\text{Ne}$ cumulative spectrum average thick target yield						
793	RIC Theo J JGR	81 5701 76 SCR			Walton+	TBL.E<=200.<Z>=13.1%MG.99%INERT
	Theo J JGR	81 5701 76 SCR			Walton+	TBL.E<= 45.<Z>=13.1%MG.99%INERT
$^{28}\text{Mg}(p,x)^{38}\text{Ar}$ spectrum average thick target yield						
794	RIC Theo J JGR	81 5701 76 SCR			Walton+	TBL.E<=200.<Z>=13.1%MG.99%INERT
	Theo J JGR	81 5701 76 SCR			Walton+	TBL.E<= 45.<Z>=13.1%MG.99%INERT
$^{26}\text{Al}(p,\gamma)^{27}\text{Si}$ $\sigma(E)$						
795	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{27}\text{Al}(p,x)$ emission $\sigma(E)$						
796	MRY Expt J PR/C	19 698 379 9.0+1			Wu+	TBL. CHARGED-PARTICLE EMISSION.
$^{27}\text{Al}(p,x)$ emission $\sigma(E)$ x factor						
797	MRY Expt J PR/C	19 698 379 9.0+1			Wu+	TBL. RATIO TO CHRGD-PARTICLE EMISS.
$^{27}\text{Al}(p,\text{nonelastic})$ $\sigma(E)$						
798	NRL Theo W PREPRINT79KNOX	079 8.6+1			Peterson.	TBL OF PEAK SIGMA. SEMIEMP.
$^{27}\text{Al}(p,\text{nonelastic})$ direct-interaction $\sigma(E)$						
799	NRL Theo W PREPRINT79KNOX	079 TR		8.0+1	Peterson.	CURV. SEMIEMP. CALC.
$^{27}\text{Al}(p,\text{nonelastic})$ compound-nucleus $\sigma(E)$						
800	NRL Theo W PREPRINT79KNOX	079 TR		8.0+1	Peterson.	CURV. SEMIEMP. CALC.
$^{27}\text{Al}(p,\text{nonelastic})$ partial $\sigma(E)$						
801	NRL Theo W PREPRINT79KNOX	079 TR		8.0+1	Peterson.	CURV. SEMIEMP. CALC.
$^{27}\text{Al}(p,\text{absorption})$ $\sigma(E)$ x factor						
802	MRY Expt J PR/C	19 698 379 9.0+1			Wu+	TBL. RATIO TO REACTION SIGMA
$^{27}\text{Al}(p,\text{absorption})$ $\sigma(E)$						
803	IJI Revu J FCY	R 827 75 0.0+0	1.3+2		Nemets+	CURV. TBL.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{27}\text{Al}(p, \text{absorption}) \quad \sigma(E)$					
803	IJI Revw J	SJPN 6	335	76 8.0+0	1.3+2 . TRANSLATION OF FCY 6. (4). 827(75).
804	LAS Revw S	BNL-51115	513	779 1.0+1	1.1+3 De-Vries+ CURV. FROM NP/A 183.
805	ORL Theo C	77BNL	515	77 3.5+1	6.5+1 Gabriel+CURV. INTRA-NUCLEAR CASCADE MOD
806	LAS Theo J	PR/C 17	195	178 4.0+1	1.3+2 Ginocchio+ CURV. ISOBAR MODEL. CFD EXP
807	LAS Theo J	PR/C 20	1857	N79 1.0+2	2.0+3 Ray. CURV. SECOND-ORDER KMT FORMALISM.
$^{27}\text{Al}(p, x) \quad \text{thick target yield}$					
808	CCP Expt R	YK- 21	73	76 1.2+1	2.3+1 Matusevich+ CURV. TBL. THETA = 0 DEG.
	Expt R	INDC(CCP)-103	577	1.2+1	2.3+1 .TRANSLATION OF T. OF C. (YK 21.7311976)
$^{27}\text{Al}(p, x) \quad \text{raw thick target yield}$					
809	AUA Expt J	AUJ 31	267	878 2.0+0	2.5+0 Bird+ TBL. THETA=135. CFD. TO OTHERS
$^{27}\text{Al}(p, x)^1\text{H} \quad \text{emission } \sigma(E)$					
810	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. FROM CHARGED-PARTICLE SPECTRA
$^{27}\text{Al}(p, x)^1\text{H} \quad \text{partial emission } \sigma(E)$					
811	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. DISCRETE FRM CHRGD-PART. SPEC.
	Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
$^{27}\text{Al}(p, x)^1\text{H} \quad \text{emission } \sigma(E) \times \text{factor}$					
812	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. RATIO TO CHRGD-PARTICLE EMISS.
	Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. RATIO TO REACTION SIGMA
$^{27}\text{Al}(p, x)^1\text{H} \quad \text{compound-nucleus emission } \sigma(E)$					
813	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. EVAPOR. FROM CHRGD-PART. SPEC.
$^{27}\text{Al}(p, x)^2\text{H} \quad \sigma(E)$					
814	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. FROM CHARGED-PARTICLE SPECTRA
$^{27}\text{Al}(p, x)^2\text{H} \quad \text{partial } \sigma(E)$					
815	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. DISCRETE FRM CHRGD-PART. SPEC.
	Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
$^{27}\text{Al}(p, x)^2\text{H} \quad \sigma(E) \times \text{factor}$					
816	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. RATIO TO CHRGD-PARTICLE EMISS.
	Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. RATIO TO REACTION SIGMA
$^{27}\text{Al}(p, x)^2\text{H} \quad \text{compound-nucleus } \sigma(E)$					
817	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. EVAPOR. FROM CHRGD-PART. SPEC.
$^{27}\text{Al}(p, x)^3\text{H} \quad \sigma(E)$					
818	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. FROM CHARGED-PARTICLE SPECTRA
819	CER Expt J	ZN/A 16	231	61 2.5+3	Goebel+ TBL. STACKED FOILS.
	Expt 4	EXFORB0102.002	N79	2.5+3	. 67MB. APPR. 20 PERCENT UNCERTAINTY
$^{27}\text{Al}(p, x)^3\text{H} \quad \text{partial } \sigma(E)$					
820	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. DISCRETE FRM CHRGD-PART. SPEC.
	Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
$^{27}\text{Al}(p, x)^3\text{H} \quad \sigma(E) \times \text{factor}$					
821	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. RATIO TO CHRGD-PARTICLE EMISS.
	Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. RATIO TO REACTION SIGMA
$^{27}\text{Al}(p, x)^3\text{H} \quad \text{compound-nucleus } \sigma(E)$					
822	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. EVAPOR. FROM CHRGD-PART. SPEC.
$^{27}\text{Al}(p, x)^3\text{H} \quad \text{thick target yield}$					
823	BRK Expt J	PR 120	1354	60 3.2+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J	PR 107	1311	57 3.2+1	. SOME EXPERIMENTAL DETAILS.
	Expt 4	EXFORB0080.002	D78	3.2+1	. (1.54+-0.16)MB.
824	KFK Comp B	PH-DAT 15	2	D79 3.2+1	Muenzel+ TBL. FROM EXFOR
$^{27}\text{Al}(p, x)^3\text{H} \quad \text{product yield}$					
825	KFK Expt P	NEANDC(E)-1925	478	TR	2.5+1 Merkel+ NDG. P 68.
826	BRK Expt J	PR 120	1354	60 3.2+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J	PR 107	1311	57 3.2+1	. SOME EXPERIMENTAL DETAILS.
	Expt 4	EXFORB0080.002	D78	3.2+1	. (3.55E-5+-10PERCENT) / INCIDENT P.
827	KFK Comp B	PH-DAT 15	2	D79 3.2+1	Muenzel+ TBL. FROM EXFOR.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
			²⁷ Al(p,x) ³ H average σ(E)				
828	KFK	Expt P	NEANDC(E)-1925	478	TR	2.5+1 Merkel+	NDG. FRM TTY P 68.
			²⁷ Al(p,x) ³ He σ(E)				
829	MRY	Expt J	PR/C	19	698 379	9.0+1	Wu+ TBL. FROM CHARGED-PARTICLE SPECTRA
			²⁷ Al(p,x) ³ He partial σ(E)				
830	MRY	Expt J	PR/C	19	698 379	9.0+1	Wu+ TBL. DISCRETE FRM CHRGD-PART. SPEC.
		Expt J	PR/C	19	698 379	9.0+1	Wu+ TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
			²⁷ Al(p,x) ³ He σ(E) × factor				
831	MRY	Expt J	PR/C	19	698 379	9.0+1	Wu+ TBL. RATIO TO CHRGD-PARTICLE EMISS.
		Expt J	PR/C	19	698 379	9.0+1	Wu+ TBL. RATIO TO REACTION SIGMA
			²⁷ Al(p,x) ³ He compound-nucleus σ(E)				
832	MRY	Expt J	PR/C	19	698 379	9.0+1	Wu+ TBL. EVAPOR. FROM CHRGD-PART. SPEC.
			²⁷ Al(p,x) ⁴ He σ(E)				
833	MRY	Expt J	PR/C	19	698 379	9.0+1	Wu+ TBL. FROM CHARGED-PARTICLE SPECTRA
			²⁷ Al(p,x) ⁴ He partial σ(E)				
834	MRY	Expt J	PR/C	19	698 379	9.0+1	Wu+ TBL. DISCRETE FRM CHRGD-PART. SPEC.
		Expt J	PR/C	19	698 379	9.0+1	Wu+ TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
			²⁷ Al(p,x) ⁴ He σ(E) × factor				
835	MRY	Expt J	PR/C	19	698 379	9.0+1	Wu+ TBL. RATIO TO CHRGD-PARTICLE EMISS.
		Expt J	PR/C	19	698 379	9.0+1	Wu+ TBL. RATIO TO REACTION SIGMA
			²⁷ Al(p,x) ⁴ He compound-nucleus σ(E)				
836	MRY	Expt J	PR/C	19	698 379	9.0+1	Wu+ TBL. EVAPOR. FROM CHRGD-PART. SPEC.
			²⁷ Al(p,x) ⁷ Be σ(E)				
837	KFK	Comp B	PH-DAT	15	2 079	6.1+1	Muenzel+ TBL. FROM EXFOR
838	ORL	Expt J	PR	162	1055 067	6.1+1	Williams+ CURV. STACKED FOILS. CFD THEO
		Expt 4	EXFORB0073.018	678	6.1+1		. 0.55MB.
839	PUR	Expt J	PR/C	14	1506	76 8.2+1	8.0+2 Heydeggar+ TBL. CURV.
840	MTR	Expt J	NP/A	169	437	71 6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.112	179	6.0+2		. 1 DATA POINT.
			²⁷ Al(p,x) ¹⁸ O cumulative σ(E)				
841	MTR	Expt J	NP/A	169	437	71 6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.111	179	6.0+2		. 1 DATA POINT.
			²⁷ Al(p,x) ¹⁸ F cumulative σ(E)				
842	KFK	Comp B	PH-DAT	15	2 079	4.0+1	6.0+1 Muenzel+ TBL. FROM EXFOR.
843	ORL	Expt J	PR	162	1055 067	4.0+1	6.0+1 Williams+ CURV. STACKED FOILS. CFD THEO
		Expt 4	EXFORB0073.017	678	4.0+1	6.0+1	. 12 DATA POINTS.
844	CER	Expt R	CERN-60-3		60	5.9+2	Goebel+ 7 ALUMINUM SAMPLES.
		Expt 4	EXFORB0094.004	579	5.9+2		. 8.0MB. 3PER-CENT UNC REL. TO 24NA
			²⁷ Al(p,x) ¹⁸ F σ(E)				
845	BNL	Eval J	ARN	13	261	63 5.0+1	2.8+4 Cumming. TBL. CURV. FROM 8 REFERENCES.
		Eval 4	EXFORB0022.005	77	2.0+2	2.8+4	. 10 DATA POINTS.
846	KFK	Comp B	PH-DAT	15	1 079	2.0+2	2.8+4 Muenzel+ TBL. FROM EXFOR
			²⁷ Al(p,n+p+2α) ¹⁸ F σ(E)				
847	NRL	Theo W	PREPRINT79KN0X	079	TR	8.0+1	Peterson. CURV. LITERATURE+SEMIEMP. CAL
			²⁷ Al(p,5n+5p) ¹⁸ F cumulative σ(E)				
848	HRV	Expt J	PR	88	19	52 2.1+1	1.2+2 Hintz+ CURV. STACKED FOILS.
		Expt J	PR	83	185	51 2.1+1	1.2+2 . PRELIMINARY VALUES.
		Expt 4	EXFORB0076.004	078	2.1+1	1.2+2	. 29 DATA POINTS.
849	KFK	Comp B	PH-DAT	15	2 079	2.1+1	1.2+2 Muenzel+ TBL. FROM EXFOR.
			²⁷ Al(p,x) ²⁰ F cumulative? σ(E)				
850	MTR	Expt J	NP/A	169	437	71 6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.110	179	6.0+2		. 1 DATA POINT.
			²⁷ Al(p,x) ²⁰ Ne σ(E)				
851	RIC	Expt J	JGR	81	5689	76 1.6+1	4.2+1 Walton+ CURV.
		Expt J	JGR	79	314	74 1.6+1	4.2+1 . PART. SUPER. CORR. TO JGR 78.6+28(73)

REFERENCES (cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
			$^{27}\text{Al}(p,x)^{20}\text{Ne}$ $\sigma(E)$			
851	RIC	Expt J JGR	78 6428	73 1.6+1	4.2+1	. PART. SUPER. BY JGR 79,314(74)
			$^{27}\text{Al}(p,2\alpha)^{20}\text{Ne}$ $\sigma(E)$			
852	NRL	Theo W PREPRINT79KNOX	079 TR	8.0+1		Peterson. CURV. SEMIEMPIRICAL CALC.
			$^{27}\text{Al}(p,x)^{21}\text{Ne}$ $\sigma(E)$			
853	RIC	Expt J JGR	81 5689	76 1.6+1	4.3+1	Walton+ CURV.
		Expt J JGR	79 314	74 1.6+1	4.2+1	. PART. SUPER. CORR. TO JGR 78,6428(73)
		Expt J JGR	78 6428	73 1.6+1	4.2+1	. PART. SUPER. BY JGR 79,314(74)
			$^{27}\text{Al}(p,x)^{22}\text{Ne}$ independent $\sigma(E)$			
854	RIC	Expt J JGR	81 5689	76 1.6+1	4.2+1	Walton+ CURV.
		Expt J JGR	79 314	74 1.6+1	4.2+1	. PART. SUPER. CORR. TO JGR 78,6428(73)
		Expt J JGR	78 6428	73 1.6+1	4.2+1	. PART. SUPER. BY JGR 79,314(74)
			$^{27}\text{Al}(p,n+4p)^{23}\text{Ne}$ cumulative $\sigma(E)$			
855	MTR	Expt J NP/A 169	437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4 EXFORB0085.109	179 6.0+2			. 1 DATA POINT.
			$^{27}\text{Al}(p,4p)^{24}\text{Ne}$ cumulative $\sigma(E)$			
856	MTR	Expt J NP/A 169	437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4 EXFORB0085.108	179 6.0+2			. 1 DATA POINT.
			$^{27}\text{Al}(p,x)^{22}\text{Na}$ cumulative $\sigma(E)$			
857	BNL	Expt J NP	49 417	63 3.0+1	5.1+1	Cumming. TBL. CURV.
		Eval J ARN	13 261	63 3.8+1	2.8+4	Cumming. CURV.
		Expt 4 EXFORB0095.004	579 3.0+1	5.1+1		. 5 DATA POINTS.
858	KFK	Comp B PH-DAT	15 2 079	3.0+1	6.3+1	Muenzel+ TBL. FROM EXFOR.
859	ORL	Expt J PR	162 1055 067	3.0+1	6.3+1	Williams+ CURV. STACKED FOILS. CFD THEO
		Expt 4 EXFORB0073.019	678 3.0+1	6.3+1		. 19 DATA POINTS.
			$^{27}\text{Al}(p,x)^{22}\text{Na}$ $\sigma(E)$			
860	RIC	Expt J JGR	81 5689	76 2.7+1	4.0+1	Walton+ CURV.
861	KLN	Expt J TRSA	285 337	77 3.8+1	6.0+2	Kaiser. TBL. CURV. MONITOR REACTION.
862	PUR	Expt J PR/C	14 1506	76 8.2+1	8.0+2	Heydeggar+ TBL. CURV.
			$^{27}\text{Al}(p,3n+3p)^{22}\text{Na}$ $\sigma(E)$			
863	KLN	Expt P NEANDC(E)-202	679 2.7+1	4.5+1		Michel+ TBL. CURV. P. 70.
		Expt P INDC(IGER)-2170	679 2.7+1	4.5+1		. SAME AS NEANDC(E)-202, 70.
			$^{27}\text{Al}(p,3n+3p)^{22}\text{Na}$ cumulative $\sigma(E)$			
864	HRV	Expt J PR	88 19 52	1.0-1	1.2+2	Hintz+ CURV. STACKED FOILS.
		Expt J PR	83 151 51	1.0-1	1.2+2	. PRELIMINARY VALUES.
		Expt 4 EXFORB0076.002	078 1.0-1	1.2+2		. 26 DATA POINTS.
865	KFK	Comp B PH-DAT	15 2 079	1.0-1	1.2+2	Muenzel+ TBL. FROM EXFOR.
			$^{27}\text{Al}(p,n+p+\alpha)^{22}\text{Na}$ cumulative $\sigma(E)$			
866	MTR	Expt J NP/A 169	437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4 EXFORB0085.107	179 6.0+2			. 1 DATA POINT.
			$^{27}\text{Al}(p,n+p+\alpha)^{22}\text{Na}$ $\sigma(E)$			
867	NRL	Theo W PREPRINT79KNOX	079 1.6+1	5.0+1		Peterson. CURV. FROM LITERATURE.
			$^{27}\text{Al}(p,n+p+\alpha)^{22}\text{Na}$ $\sigma(E)$			
868	NRL	Theo W PREPRINT79KNOX	079 TR	8.0+1		Peterson. CURV. SEMIEMPIRICAL CALC.
			$^{27}\text{Al}(p,p+\alpha)^{23}\text{Na}$ $\sigma(E)$			
869	NRL	Theo W PREPRINT79KNOX	079 TR	8.0+1		Peterson. CURV. SEMIEMPIRICAL CALC.
			$^{27}\text{Al}(p,x)^{24}\text{Na}$ $\sigma(E)$			
870	MCG	Expt J NC/A	45 341	78 3.5+1	1.0+2	Hogan+ TBL. CURV. CFD OTHERS.
			$^{27}\text{Al}(p,n+3p)^{24}\text{Na}$ $\sigma(E)$			
871	MCG	Expt J NC/A	45 341	78 TR	3.5+1	Hogan+ NOT OBSERVED.
872	NRL	Theo W PREPRINT79KNOX	079 TR	8.0+1		Peterson. CURV. SEMIEMPIRICAL CALC.
873	UPP	Expt J ARI	30 33 79	2.5+1		Lundqvist+ NDG. LITTLE ACTIVITY.
		Expt J ARI	30 33 79	5.5+1		Lundqvist+ NDG. ALSO USED FOR PRODUCTION
			$^{27}\text{Al}(p,n+3p)^{24}\text{Na}$ cumulative $\sigma(E)$			
874	MCG	Expt J NP/A	288 291 977	4.0-1	8.5+1	Holub+ TBL. ACTIVATION METHOD.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{27}\text{Al}(p,n+3p)^{24}\text{Na}$ cumulative $\sigma(E)$					
874	MCG Expt J NP/A 288	291	977	4.0+1	1.1+2 Holub+ CURV.CALC. AND EXPR.
	Expt 4 EXFORB0082.002	179	4.0+1	8.5+1	. 12 DATA POINTS.
$^{27}\text{Al}(p,n+3p)^{24}\text{Na}$ Including metastable $\sigma(E)$					
875	HRV Expt J PR 00	19	52	1.3+1	1.2+2 Hintz+ CURV. STACKED FOILS.
	Expt J PR 83	151	51	1.3+1	1.2+2 . PRELIMINARY VALUES.
	Expt 4 EXFORB0076.003	078	1.3+1	1.2+2	. 37 DATA POINTS.
876	KFK Comp B PH-DAT 15	2	079	1.3+1	1.2+2 Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT 15	1	079	2.7+1	2.8+4 Muenzel+ TBL. FROM EXFOR.
877	MCG Expt T S. MEGHIR+	62	2.7+1	8.6+1	Meghir. RESIDUAL ACTIVITY.
	Expt 4 EXFORB0016.003	N78	2.7+1	8.6+1	. 15 DATA POINTS.
878	BNL Eval J ARN 13	261	63	3.2+1	3.0+4 Cumming. TBL. CURV. FROM 14 REFERENCES.
	Eval 4 EXFORB0022.003	77	5.0+1	2.8+4	. 15 DATA POINTS.
879	BNL Expt J NP 49	417	63	3.7+1	5.1+1 Cumming. TBL. CURV.
	Expt 4 EXFORB0095.003	579	3.7+1	5.1+1	. 4 DATA POINTS.
880	BRK Expt J PR 101	329	56	3.5+2	Crandall+ TBL. STACKED FOILS.
	Expt 4 EXFORB0101.005	N79	3.5+2		. (11.1+-0.2)MB.
881	CER Expt J NP 24	28	61	5.9+2	Goebel+ TBL. 7 ALUMINUM SAMPLES.
	Expt R CERN-60-3		60	5.9+2	Goebel+
	Expt 4 EXFORB0094.002	579	5.9+2		. (11.0+-0.5)MB.
$^{27}\text{Al}(p,n+3p)^{24}\text{Na}$ Including metastable $\sigma(E)$ *factor					
882	BNL Eval J ARN 13	261	63	3.2+1	2.8+4 Cumming.TBL.CURV.RATC12(P,NP)/AL(P,3PN)
	Eval 4 EXFORB0022.004	77	5.0+1	2.8+4	. 15 DATA POINTS.
883	KFK Comp B PH-DAT 15	1	079	5.0+1	2.8+4 Muenzel+ TBL. FROM EXFOR.
884	CER Expt J NP 24	28	61	5.9+2	Goebel+ RATIO 12C(IP,NP)/ $^{27}\text{Al}(P,N3P)$
$^{27}\text{Al}(p,n+3p)^{24}\text{Na}$ Including metastable $\sigma(E)$					
885	KFK Comp B PH-DAT 15	1	079	3.4+1	6.1+1 Muenzel+ TBL. FROM EXFOR.
886	ORL Expt J PR 162	1055	067	3.4+1	6.1+1 Williams+ CURV. STACKED FOILS. CFD THEO
	Expt 4 EXFORB0073.020	678	3.4+1	6.1+1	. 12 DATA POINTS.
$^{27}\text{Al}(p,n+3p)^{24}\text{Na}$ Including metastable $\sigma(E)$ *factor					
887	BRK Expt J PR 101	329	56	3.4+2	Crandall+ C12(P,N+P1)/AL27(P,N+3P)
	Expt 4 EXFORB0101.009	N79	3.4+2		. 3.21
$^{27}\text{Al}(p,n+3p)^{24}\text{Na}$ $\sigma(E)$					
888	NRL Theo W PREPRINT79KNOX	079	2.9+1	8.0+1	Peterson. CURV. FROM LITERATURE.
$^{27}\text{Al}(p,p+^3\text{He})^{24}\text{Na}$ $\sigma(E)$					
889	MCG Expt J NC/A 45	341	78	TR	3.5+1 Hogan+ NOT OBSERVED.
$^{27}\text{Al}(p,3p)^{25}\text{Na}$ cumulative $\sigma(E)$					
890	MTR Expt J NP/A 169	437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4 EXFORB0085.106	179	6.0+2		. 1 DATA POINT.
$^{27}\text{Al}(p,x)^{23}\text{Mg}$ $\sigma(E)$					
891	CLU Expt J PR/C 13	976	76	1.5+1	2.7+1 Wilson+ TBL. ENERGY SPREAD 0.4 TO 0.7
$^{27}\text{Al}(p,n\alpha)^{23}\text{Mg}$ $\sigma(E)$					
892	NRL Theo W PREPRINT79KNOX	079	TR		8.0+1 Peterson. CURV. SEMIEMPIRICAL CALC.
$^{27}\text{Al}(p,2n+2p)^{23}\text{Mg}$ $\sigma(E)$					
893	NRL Theo W PREPRINT79KNOX	079	TR		8.0+1 Peterson. CURV. SEMIEMPIRICAL CALC.
$^{27}\text{Al}(p,\alpha)^{24}\text{Mg}$ partial raw $\sigma(E)$					
894	DEB Expt J IZV 40	2119	76	1.5+0	1.9+0 Zolnai+ CURV. A0, A1 GRPS. THETA=80 DEG
	Expt J IZV 40	2119	76	1.9+0	2.2+0 Zolnai+ CURV. A0 GRP. THETA=90,150 DEG.
	Expt J BAS 40		78	1.5+0	2.2+0 . TRANSLATION OF IZV 40, 2119 (1976)
895	ANL Expt J NIM 140	519	277	2.0+0	2.4+0 Kennedy+ CURV. A(1) GROUP. MEAS. GAMMAS
$^{27}\text{Al}(p,\alpha)^{24}\text{Mg}$ partial $\sigma(E)$					
896	THU Expt J JP/G 3	1753	77	1.1+0	3.1+0 Hsu+CURV. TBL. A0 GRP. LEG. COEF. GIVEN
897	DEB Expt J NIM 147	287	N77	1.5+0	1.9+0 Somogyi+TBL.NDG.USE OF PLASTICTRACK DET
898	JUL Expt P JUEL-1976	19	76	2.3+1	Rohwer+ CURV. A0 GROUP. INTAD.
$^{27}\text{Al}(p,\alpha)^{24}\text{Mg}$ $\sigma(E)$					
899	CAL Theo J AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	5.2-1	8.3+0 Woosley+ CURV. HAUSER-FESHBACH.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{27}\text{Al}(p,\alpha)^{24}\text{Mg}$ $\sigma(E)$						
900	NRL	Theo	W PREPRINT79KNOX 079 TR	8.0+1		Peterson. CURV. SEMIEMPIRICAL CALC.
901	DEB	Expt	P INDC(SEC)-50 176 +0			Hunyadi+ NDG. 14 ENERGIES. P. 111
902	RIC	Expt	J JGR 81 5689 76 1.6+1 4.0+1			Walton+ CURV.
		Expt	J JGR 79 314 74 1.6+1 4.2+1			. PART. SUPER. CORR. TO JGR 78,6428(73)
		Expt	J JGR 78 6428 73 1.6+1 4.2+1			. PART. SUPER. BY JGR 79,314(74)
903	MIL	Expt	J NC/A 39 171 577 3.7+1			Colli+ (60+-12)MB. E/A INT.
$^{27}\text{Al}(p,\alpha)^{24}\text{Mg}$ product yield						
904	DEB	Expt	P INDC(SEC)-6172 077 1.4+0 2.2+0			Zolnai+ NDG. AO AND Al GROUPS.
$^{27}\text{Al}(p,n+2p)^{28}\text{Mg}$ $\sigma(E)$						
905	NRL	Theo	W PREPRINT79KNOX 079 TR	8.0+1		Peterson. CURV. SEMIEMPIRICAL CALC.
$^{27}\text{Al}(p,^3\text{He})^{28}\text{Mg}$ $\sigma(E)$						
906	RIC	Expt	J JGR 81 5689 76 1.6+1 4.3+1			Walton+ CURV.
		Expt	J JGR 79 314 74 1.6+1 4.2+1			. PART. SUPER. CORR. TO JGR 78,6428(73)
		Expt	J JGR 78 6428 73 1.6+1 4.2+1			. PART. SUPER. BY JGR 79,314(74)
$^{27}\text{Al}(p,2p)^{26}\text{Mg}$ $\sigma(E)$						
907	NRL	Theo	W PREPRINT79KNOX 079 TR	8.0+1		Peterson. CURV. SEMIEMPIRICAL CALC.
$^{27}\text{Al}(p,t)^{25}\text{Al}$ $\sigma(E)$						
908	BRK	Expt	J PR 120 1354 60 TR	3.2+1		Gonzalez-Vidal+CURV.STCKD FOILS APP SIG
		Expt	J PR 107 1311 57 TR	3.2+1		. EXPERIMENTAL DETAILS+PRELIM. DATA
909	RIC	Expt	J JGR 81 5689 76 1.6+1 4.5+1			Walton+ CURV. ESTIMATED.
$^{27}\text{Al}(p,x)^{26}\text{Al}$ $\sigma(E)$						
910	GSF	Eval	J AJ/S 40 487 779 1.5+1 5.0+1			Ramaty+ CURV.
		Eval	R NASA-TM-79654 79 1.5+1 5.0+1			. SAME AS AJ/S 40, 487(1979).
$^{27}\text{Al}(p,n+p)^{26}\text{Al}$ $\sigma(E)$						
911	NRL	Theo	W PREPRINT79KNOX 079 TR	8.0+1		Peterson. CURV. SEMIEMPIRICAL CALC.
$^{27}\text{Al}(p,\text{inelastic})^{27}\text{Al}$ partial raw $\sigma(E)$						
912	ANL	Expt	J NIM 140 519 277 2.0+0 2.4+0			Kennedy+ CURV. P(1) AND P(2) GROUPS.
$^{27}\text{Al}(p,\text{inelastic})^{27}\text{Al}$ $\sigma(E)$						
913	NRL	Theo	W PREPRINT79KNOX 079 5.2+1 8.0+1			Peterson. CURV. FROM LITERATURE.
$^{27}\text{Al}(p,2n)^{26}\text{Si}$ $\sigma(E)$						
914	CLU	Expt	J PR/C 13 976 76 1.5+1 2.7+1			Wilson+ TBL. ENERGY SPREAD 0.4 TO 0.7
$^{27}\text{Al}(p,n)^{27}\text{Si}$ $\sigma(E)$						
915	CAL	Theo	R OAP-422 875 TR	8.3+0		Woosley+ CURV. HAUSER-FESHBACH.
916	NRL	Theo	W PREPRINT79KNOX 079 TR	8.0+1		Peterson. CURV. SEMIEMPIRICAL CALC.
917	KTY	Expt	J PR/C 18 1566 078 5.8+0 6.4+0			Flynn+ CURV. 4PI DETECTOR.
		Expt	J NIM 133 253 76 +0 6.4+0			Sekharan+ CURV. 4PI NEUTRON DETECTOR.
918	CLU	Expt	J PR/C 13 976 76 1.5+1 2.7+1			Wilson+ TBL. ENERGY SPREAD 0.4 TO 0.7
$^{27}\text{Al}(p,n)^{27}\text{Si}$ raw $\sigma(E)$						
919	WMU	Exth	J PR/C 15 1592 477 TR		+0	Bernstein. CURV. NEAR THRESH. VRS. NMR
$^{27}\text{Al}(p,n)^{27}\text{Si}$ raw thick target yield						
920	NZA	Expt	J NIM 144 331 77 TR		+0	Naylor+ CURV. THRESHOLD CALIB. ELECTRON
$^{27}\text{Al}(p,n)^{27}\text{Si}$ partial raw $\sigma(E)$						
921	MON	Expt	J PR/C 17 443 278 5.8+0 5.8+0			Azuolos+ CURV. B+ YLD VS NMR FREQ.
$^{27}\text{Al}(p,y)^{28}\text{Si}$ product yield						
922	MOS	Revw	R PHOTONUCLE 1 78 2.0+0 2.5+0			Varlamov+ NDG. TBL.
$^{27}\text{Al}(p,y)^{28}\text{Si}$ partial product yield						
923	OSU	Expt	A DA/B 39 4950 479 3.5+1 1.0+2			Kovash. NDG. THETA=60DEG. GS+LOW STATES
$^{27}\text{Al}(p,y)^{28}\text{Si}$ relative I _y						
924	HLS	Expt	J NIM 147 501 77 7.6-1 1.8+0			Antilla+ TBL. 30 GAMMAS.
925	GEO	Expt	J NIM 131 517 075 9.9-1			Scott+ TBL. EG=1.5223-12.543.
926	ANL	Expt	J NIM 140 519 277 2.1+0 2.5+0			Kennedy+ TBL. 22 GAMMAS.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
		$^{27}\text{Al}(p,\gamma)^{28}\text{Si}$ raw I_γ				
927	ANL Expt J NIM	140	519	277 2.0+0 2.1+0	Kennedy+	CURV. 1779- AND 8940-KEV GAMMA
		$^{27}\text{Al}(p,\gamma)^{28}\text{Si}$ raw $\sigma(E)$				
928	AML Expt J NP/A	331	389	N79 5.0-1 2.0+0	Paine+	NDG. DEDUCED RES. STRENGTHS.
	Expt J NIM	147	425	77 -1	Ilegyler	CURV. NEAR 11/4KEV RESONANCE.
929	HLS Expt J NIM	147	501	77 9.9-1	Antilia+	CURV.
930	DEB Expt J IZV	40	2119	76 1.5+0 2.2+0	Zolnat+	CURV. THETA = 90 DEG.
	Expt J BAS	40	78	76 1.5+0 2.2+0		TRANSLATION OF IZV 40, 2119 (1976)
		$^{27}\text{Al}(p,\gamma)^{28}\text{Si}$ partial raw $\sigma(E)$				
931	UTR Expt J NP/A	301	213	578 1.3+0 1.3+0	Maas+	CURV. EG .GT. 4MEV. 1317KEV RES.
932	HAU Expt J NP/A	305	144	778 3.7+0 3.7+0	Osborne+	CURV. EG=10.5MEV. NA(1) AT 90
	Expt J NP/A	305	144	778 3.7+0 3.7+0	Osborne+	CURV. EG=6.-11.5MEV. NA(1) AT 90
		$^{27}\text{Al}(p,\gamma)^{28}\text{Si}$ $\sigma(E)$				
933	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N70 NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	2.1-1 8.3+0	Woosley+	CURV. HAUSER-FESHBACH.
		$^{27}\text{Al}(p,\gamma)^{28}\text{Si}$ raw $\sigma(E)$ at resonance				
934	AML Expt J NP/A	331	389	N79 6.3-1 6.5-1	Paine+	CURV. 632-KEV RES. DEDUCED RES.
		$^{28}\text{Al}(p,\alpha)^{28}\text{Mg}$ $\sigma(E)$				
935	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{28}\text{Al}(p,n)^{28}\text{Si}$ $\sigma(E)$				
936	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{28}\text{Al}(p,\gamma)^{29}\text{Si}$ $\sigma(E)$				
937	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{28}\text{Al}(p,\alpha)^{28}\text{Mg}$ $\sigma(E)$				
938	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{28}\text{Al}(p,n)^{29}\text{Si}$ $\sigma(E)$				
939	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{28}\text{Al}(p,\gamma)^{30}\text{Si}$ $\sigma(E)$				
940	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{30}\text{Al}(p,\alpha)^{27}\text{Mg}$ $\sigma(E)$				
941	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{30}\text{Al}(p,n)^{30}\text{Si}$ $\sigma(E)$				
942	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{30}\text{Al}(p,\gamma)^{31}\text{Si}$ $\sigma(E)$				
943	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{31}\text{Al}(p,\alpha)^{28}\text{Mg}$ $\sigma(E)$				
944	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{31}\text{Al}(p,n)^{31}\text{Si}$ $\sigma(E)$				
945	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{31}\text{Al}(p,\gamma)^{32}\text{Si}$ $\sigma(E)$				
946	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab	Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author.	Comments
⁶⁰ Al(p,x) ³ H spectrum average thick target yield							
947	RIC	Theo J JGR	81	5701	76 SCR	Walton+TBL.	E LE 200. EQ. PTS. MG.AL.SI
		Theo J JGR	81	5701	76 SCR	Walton+ TBL.	E<= 45. EQ. PTS. MG.AL.SI.
⁶⁰ Al(p,x) ³ He independent spectrum average thick target yield							
948	RIC	Theo J JGR	81	5701	76 SCR	Walton+TBL.	E LE 200. EQ. PTS. MG.AL.SI
		Theo J JGR	81	5701	76 SCR	Walton+ TBL.	E<= 45. EQ. PTS. MG.AL.SI.
⁶⁰ Al(p,x) ³ He cumulative spectrum average thick target yield							
949	RIC	Theo J JGR	81	5701	76 SCR	Walton+TBL.	E LE 200. EQ. PTS. MG.AL.SI
		Theo J JGR	81	5701	76 SCR	Walton+ TBL.	E<= 45. EQ. PTS. MG.AL.SI.
		Theo J JGR	81	5701	76 GCR	Walton+ TBL.	EQUAL PTS. MG.AL.SI.
⁶⁰ Al(p,x) ⁴ He spectrum average thick target yield							
950	RIC	Theo J JGR	81	5701	76 SCR	Walton+TBL.	E LE 200. EQ. PTS. MG.AL.SI
		Theo J JGR	81	5701	76 SCR	Walton+ TBL.	E<= 45. EQ. PTS. MG.AL.SI.
⁶⁰ Al(p,x) ²⁰ Ne spectrum average thick target yield							
951	RIC	Theo J JGR	81	5701	76 SCR	Walton+ TBL.	E<=200.<Z>=13.1%AL.99%INERT
		Theo J JGR	81	5701	76 SCR	Walton+ TBL.	E<= 45.<Z>=13.1%AL.99%INERT
⁶⁰ Al(p,x) ²¹ Ne spectrum average thick target yield							
952	RIC	Theo J JGR	81	5701	76 SCR	Walton+ TBL.	E<=200.<Z>=13.1%AL.99%INERT
		Theo J JGR	81	5701	76 SCR	Walton+ TBL.	E<= 45.<Z>=13.1%AL.99%INERT
⁶⁰ Al(p,x) ²² Ne independent spectrum average thick target yield							
953	RIC	Theo J JGR	81	5701	76 SCR	Walton+ TBL.	E<=200.<Z>=13.1%AL.99%INERT
		Theo J JGR	81	5701	76 SCR	Walton+ TBL.	E<= 45.<Z>=13.1%AL.99%INERT
⁶⁰ Al(p,x) ²² Ne cumulative spectrum average thick target yield							
954	RIC	Theo J JGR	81	5701	76 SCR	Walton+ TBL.	E<=200.<Z>=13.1%AL.99%INERT
		Theo J JGR	81	5701	76 SCR	Walton+ TBL.	E<= 45.<Z>=13.1%AL.99%INERT
⁶⁰ Al(p,x) ³⁸ Ar spectrum average thick target yield							
955	RIC	Theo J JGR	81	5701	76 SCR	Walton+ TBL.	E<=200.<Z>=13.1%AL.99%INERT
		Theo J JGR	81	5701	76 SCR	Walton+ TBL.	E<= 45.<Z>=13.1%AL.99%INERT
Si(p,x)γ raw thick target yield							
956	AUA	Expl J AUJ	31	267	878 2.0+0 2.5+0	Bird+ TBL.	THETA=135. CFD. TO OTHERS
Si(p,x) ³ He σ(E)							
957	RIC	Expl J JGR	81	5689	76 1.8+1 4.4+1	Walton+ CURV.	
		Expl J JGR	79	314	74 2.1+1 4.5+1	. PART. SUPER. CORR. TO JGR 78,6428(73)	
		Expl J JGR	78	6428	73 2.1+1 4.5+1	. PART. SUPER. BY JGR 79,314(74)	
Si(p,x) ⁴ He σ(E)							
958	RIC	Expl J JGR	81	5689	76 1.7+1 4.5+1	Walton+ CURV.	
		Expl J JGR	79	314	74 2.1+1 4.5+1	. PART. SUPER. CORR. TO JGR 78,6428(73)	
		Expl J JGR	78	6428	73 2.1+1 4.5+1	. PART. SUPER. BY JGR 79,314(74)	
Si(p,x) ⁷ Be σ(E)							
959	UPP	Expl J ARI	30	33	79 4.8+1	Lundqvist+ TBL.	COMPARED TO LITERATURE.
Si(p,x) ²⁰ Ne σ(E)							
960	RIC	Expl J JGR	81	5689	76 2.9+1 4.4+1	Walton+ CURV.	
		Expl J JGR	79	314	74 2.1+1 4.5+1	. PART. SUPER. CORR. TO JGR 78,6428(74)	
		Expl J JGR	78	6428	73 2.1+1 4.5+1	. PART. SUPER. BY JGR 79,314(74)	
Si(p,x) ²¹ Ne σ(E)							
961	RIC	Expl J JGR	81	5689	76 1.8+1 4.4+1	Walton+ CURV.	
		Expl J JGR	79	314	74 2.1+1 4.5+1	. PART. SUPER. CORR. TO JGR 78,6428(73)	
		Expl J JGR	78	6428	73 2.1+1 4.5+1	. PART. SUPER. BY JGR 79,314(74)	
Si(p,x) ²² Ne independent σ(E)							
962	RIC	Expl J JGR	81	5689	76 3.4+1 4.5+1	Walton+ CURV.	
		Expl J JGR	79	314	74 2.1+1 4.5+1	. PART. SUPER. CORR. TO JGR 78,6428(74)	
		Expl J JGR	78	6428	73 2.1+1 4.5+1	. PART. SUPER. BY JGR 79,314(74)	
Si(p,x) ²² Ne cumulative σ(E)							
963	RIC	Expl J JGR	81	5689	76 2.9+1 4.5+1	Walton+ CURV.	
		Expl J JGR	79	314	74 2.1+1 4.5+1	. PART. SUPER. CORR. TO JGR 78,6428(73)	

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
Si(p,x) ²² Ne cumulative $\sigma(E)$					
963	RIC Expt J	JGR 78 6428	73 2.1+1	4.5+1	. PART. SUPER. BY JGR 79,314(74)
Si(p,x) ²² Ne $\sigma(E)$					
964	RIC Expt J	JGR 81 5689	76 1.8+1	4.5+1	Walton+ CURV.
	Fvp J	JGR 79 314	74 2.1+1	4.5+1	. PART. SUPER. CORR. TO JGR 78,6428(73)
	Expt J	JGR 78 6428	73 2.1+1	4.5+1	. PART. SUPER. BY JGR 79,314(74)
Si(p,x) ²⁴ Ne $\sigma(E)$					
965	UPP Expt J	ARI 30 33	79 5.0+1	1.5+2	Lundqvist+ CURV. CYLINDRICAL PELLET.
	Expt J	ARI 30 33	79 1.0+2		Lundqvist+ TBL. COMPARED TO LITERATURE.
Si(p,x) ²⁶ Mg $\sigma(E)$					
966	UPP Expt J	ARI 30 33	79 5.5+1	1.5+2	Lundqvist+ CURV. CYLINDRICAL PELLET.
	Expt J	ARI 30 33	79 2.5+1		Lundqvist+ NDG. LITTLE ACTIVITY.
Si(p,x) ²⁹ Al $\sigma(E)$					
967	CLU Expt J	PR/C 13 976	76 1.5+1	2.7+1	Wilson+ TBL. ENERGY SPREAD 0.4 TO 0.7
Si(p,x) ²⁸ Al $\sigma(E)$					
968	CLU Expt J	PR/C 13 976	76 1.5+1	2.7+1	Wilson+ TBL. ENERGY SPREAD 0.4 TO 0.7
Si(p,x) ²⁸ Al $\sigma(E)$					
969	CLU Expt J	PR/C 13 976	76 1.5+1	2.7+1	Wilson+ TBL. ENERGY SPREAD 0.4 TO 0.7
Si(p,x) ²⁷ Si $\sigma(E)$					
970	CLU Expt J	PR/C 13 976	76 1.5+1	2.7+1	Wilson+ TBL. ENERGY SPREAD 0.4 TO 0.7
Si(p,x) ²⁸ P $\sigma(E)$					
971	CLU Expt J	PR/C 13 976	76 1.5+1	2.7+1	Wilson+ TBL. ENERGY SPREAD 0.4 TO 0.7
Si(p,x) ²⁸ P $\sigma(E)$					
972	CLU Expt J	PR/C 13 976	76 1.5+1	2.7+1	Wilson+ TBL. ENERGY SPREAD 0.4 TO 0.7
²⁸ Si(p,x) γ $\sigma(E)$					
973	HAU Expt P	A-WAU-78 1 778 TR	2.4+1		Bodansky+ NDG.
	Expt A	BAP 22 583 477	2.0+0	2.4+1	Dyer+ NDG.
974	GSF Eval J	AJ/S 40 487 779	6.0+0	1.0+3	Ramaty+ CURV.
	Eval R	NASA-TM-79654 79 6.0+0	1.0+3		. SAME AS AJ/S 40, 487(1979).
²⁸ Si(p,x) ²² Ne $\sigma(E)$					
975	GSF Eval J	AJ/S 40 487 779	4.0+1	1.0+3	Ramaty+ CURV.
	Eval R	NASA-TM-79654 79 4.0+1	1.0+3		. SAME AS AJ/S 40, 487(1979).
²⁸ Si(p,a) ²⁵ Al $\sigma(E)$					
976	CAL Theo R	OAP-422 875 TR	1.8+1		Woosley+ CURV. HAUSER-FESHBACH.
977	MIL Expt J	NC/A 39 171 577	3.7+1		Collins (35+-11)MB. E/A INT.
²⁸ Si(p,x) ²⁶ Al $\sigma(E)$					
978	GSF Eval J	AJ/S 40 487 779	3.0+1	1.0+3	Ramaty+ CURV.
	Eval R	NASA-TM-79654 79 3.0+1	1.0+3		. SAME AS AJ/S 40, 487(1979).
²⁸ Si(p,inelastic) ²⁸ Si partial $\sigma(E)$ γ					
979	GSF Eval J	AJ/S 40 487 779	3.0+0	2.0+2	Ramaty+ CURV. EG=1.779 MEV.
	Eval R	NASA-TM-79654 79 3.0+0	2.0+2		. SAME AS AJ/S 40, 487(1979).
980	MIL Expt J	PR/C 19 646 379	1.4+1	4.0+1	De-Leo+CURV.1.78,4.61LEV.INDAO.CFO. MOD
²⁸ Si(p,inelastic) ²⁸ Si partial average $\sigma(E)$ γ					
981	HAU Expt P	A-WAU-78 1 778	1.0+0	2.4+1	Bodansky+ TBL. 1 MEV BINS.
²⁸ Si(p,n) ²⁸ P $\sigma(E)$					
982	CAL Theo R	OAP-422 875 TR	1.8+1		Woosley+ CURV. HAUSER-FESHBACH.
²⁸ Si(p, γ) ²⁸ P I_γ					
983	HLS Expt J	NP/A 313 251 179	3.7-1	2.1+0	Riihonen+ TBL. DEDUCED RES. STRENGTH.
²⁸ Si(p, γ) ²⁸ P $\sigma(E)$					
984	CAL Theo J	AND 22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R	OAP-422 875	1.0-1	1.0+1	Woosley+ CURV. HAUSER-FESHBACH.
985	CLU Expt J	AJ 205 302	76 1.3+0	3.4+0	Roughton+ TBL. COEFF. FROM FIT TO TTY.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{28}\text{Si}(p,\gamma)^{29}\text{P}$ $\sigma(E)$					
985	CLU Expt C	75WASH 1	69	375	NDG . MORE TECHNICAL DETAILS.
$^{28}\text{Si}(p,\gamma)^{29}\text{P}$ thick target yield					
986	CLU Exth J	AND 23	177	279	1.3+0 3.4+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76	1.3+0 3.4+0 Roughton+ NDG. ALSO STELLAR REACT. RATE
	Expt C 75WASH	1	69	375	1.3+0 3.4+0 Roughton+ NDG. ALSO STELLAR REACT. RATE.
	Expt J AJ	193	187	074	1.0+0 3.4+0 Roughton+ NDG. ALSO STELLAR REACT. RATE
	Expt J AJ	188	595	374	NDG . MORE TECHNICAL DETAILS.
$^{28}\text{Si}(p,x)$ isotopic distribution partial relative $\sigma(E)$					
987	SAC Expt P	CEA-N-2070	106	978	4.0+2 Cassagnou+ TBL.
$^{28}\text{Si}(p,\alpha)^{26}\text{Al}$ $\sigma(E)$					
988	CAL Theo R	OAP-422		875	TR 1.6+1 Woosley+ CURV. HAUSER-FESHBACH.
$^{28}\text{Si}(p,2p)^{28}\text{Al}$ $\sigma(E)$					
989	KFK Comp B	PH-DAT 15	2	079	2.2+1 Muenzel+ TBL. FROM EXFOR.
990	ORL Expt J	PR 99	723	55	2.2+1 Cohen+ TBL. RESIDUAL ACTIVITY.
	Expt 4 EXFORB0049.005		77	2.2+1	110MB. AVE. UNC.=20%. CALIB. UNC.=15%
$^{28}\text{Si}(p,n)^{28}\text{P}$ $\sigma(E)$					
991	CAL Theo R	OAP-422		875	2.1-1 1.6+1 Woosley+ CURV. HAUSER-FESHBACH.
$^{28}\text{Si}(p,\gamma)^{30}\text{P}$ I_γ					
992	HLS Expt J	NP/A 313	251	179	4.2-1 Riikonen+ TBL. DEDUCED RES. STRENGTH.
$^{28}\text{Si}(p,\gamma)^{30}\text{P}$ $\sigma(E)$					
993	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR	1.0+1 Woosley+ CURV. HAUSER-FESHBACH.
994	CLU Expt J	AJ 205	302	76	3.7-1 3.5+0 Roughton+ TBL. COEFF. FROM FIT TO TTY.
	Expt C 75WASH	1	69	375	NDG . MORE TECHNICAL DETAILS.
$^{28}\text{Si}(p,\gamma)^{30}\text{P}$ partial raw $\sigma(E)$					
995	KFT Expt J	UFZ 17	573	372	2.0+0 2.8+0 Kostin+ CURV. GE(L1). EG GT 1.33 MEV.
	Expt J UFZ	17	573	372	2.7+0 3.0+0 Kostin+ CURV. GE(L1). EG GT 2.62 MEV.
	Expt J UPJ	17	573	79	2.0+0 3.0+0 . TRANSLATION OF UFZ 17(3). 573.
$^{28}\text{Si}(p,\gamma)^{30}\text{P}$ thick target yield					
996	CLU Exth J	AND 23	177	279	3.7-1 3.5+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76	3.7-1 3.5+0 Roughton+ NDG. ALSO STELLAR REACT. RATE
	Expt C 75WASH	1	69	375	3.7-1 3.5+0 Roughton+ NDG. ALSO STELLAR REACT. RATE
	Expt J AJ	188	595	374	3.7-1 3.5+0 Roughton+ CURV. ALSO STELLAR REAC. RATE
$^{30}\text{Si}(p,3p)^{28}\text{Mg}$ $\sigma(E)$					
997	UPP Expt J	ARI 30	33	79	1.3+2 Lundqvist+ TBL. COMPARED TO LITERATURE.
$^{30}\text{Si}(p,\alpha)^{27}\text{Al}$ partial $\sigma(E)$					
998	MIL Expt J	PR/C 18	613	878	4.1+1 Pellegrini+TBL.CURV.INTAD(7.5-70)CFD TH
$^{30}\text{Si}(p,\alpha)^{27}\text{Al}$ $\sigma(E)$					
999	CAL Theo R	OAP-422		875	TR 1.3+1 Woosley+ CURV. HAUSER-FESHBACH.
$^{30}\text{Si}(p,t)^{28}\text{Si}$ partial product yield					
1000	ROC Expt A	BAP 24	818	979	2.3+1 Anantaraman+ NDG. G.S.
$^{30}\text{Si}(p,n)^{30}\text{P}$ $\sigma(E)$					
1001	CAL Theo R	OAP-422		875	2.1-1 1.3+1 Woosley+ CURV. HAUSER-FESHBACH.
$^{30}\text{Si}(p,\gamma)^{31}\text{P}$ I_γ					
1002	HLS Expt J	NP/A 313	251	179	5.0-1 8.5-1 Riikonen+ TBL. DEDUCED RES. STRENGTH.
$^{30}\text{Si}(p,\gamma)^{31}\text{P}$ $\sigma(E)$					
1003	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR	1.0+1 Woosley+ CURV. HAUSER-FESHBACH.
$^{30}\text{Si}(p,\gamma)^{31}\text{P}$ raw $\sigma(E)$					
1004	AML Expt J	NP/A 331	389	N79	5.0-1 2.0+0 Paine+ NDG. DEDUCED RES. STRENGTHS.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{30}\text{Si}(p,\gamma)^{31}\text{P}$ partial $\sigma(E)$							
1005	TNL	Expt P	A-TNL-79	71	80	5.0+0	2.8+1 Cameron+ CURV. E2. SUBMITTED TO PR/C.
		Expt P	ORO-1667-17	68	79	5.0+0	2.7+1 Polokar+ CURV. G1. DIRECT-SEMIDIR. MOD.
		Expt P	A-TNL-78	68	79	5.0+0	2.7+1 . SAME AS ORO-1667-17.
$^{31}\text{Si}(p,n)^{31}\text{P}$ $\sigma(E)$							
1006	CAL	Theo J	AND	22	371	N78	NDG
		Theo J	AND	22	371	N78	NDG
Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR							
$^{31}\text{Si}(p,\gamma)^{32}\text{P}$ $\sigma(E)$							
1007	CAL	Theo J	AND	22	371	N78	NDG
		Theo J	AND	22	371	N78	NDG
		Theo J	AND	22	371	N78	NDG
Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR							
$^{32}\text{Si}(p,\gamma)^{33}\text{P}$ $\sigma(E)$							
1008	CAL	Theo J	AND	22	371	N78	NDG
		Theo J	AND	22	371	N78	NDG
Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR							
$^{33}\text{Si}(p,\alpha)^{30}\text{Al}$ $\sigma(E)$							
1009	CAL	Theo J	AND	22	371	N78	NDG
		Theo J	AND	22	371	N78	NDG
Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR							
$^{33}\text{Si}(p,n)^{33}\text{P}$ $\sigma(E)$							
1010	CAL	Theo J	AND	22	371	N78	NDG
		Theo J	AND	22	371	N78	NDG
Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR							
$^{33}\text{Si}(p,\gamma)^{34}\text{P}$ $\sigma(E)$							
1011	CAL	Theo J	AND	22	371	N78	NDG
		Theo J	AND	22	371	N78	NDG
Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR							
$^{35}\text{Si}(p,x)^{20}\text{Ne}$ spectrum average thick target yield							
1012	RIC	Theo J	JGR	81	5701	76	SCR
		Theo J	JGR	81	5701	76	SCR
Walton+ TBL.E<=200.<Z>=13.1%SI.99%INERT Walton+ TBL.E<= 45.<Z>=13.1%SI.99%INERT							
$^{35}\text{Si}(p,x)^{21}\text{Ne}$ spectrum average thick target yield							
1013	RIC	Theo J	JGR	81	5701	76	SCR
		Theo J	JGR	81	5701	76	SCR
		Theo J	JGR	81	5701	76	GCR
Walton+ TBL.E<=200.<Z>=13.1%SI.99%INERT Walton+ TBL.E<= 45.<Z>=13.1%SI.99%INERT Walton+ TBL.							
$^{35}\text{Si}(p,x)^{22}\text{Ne}$ independent spectrum average thick target yield							
1014	RIC	Theo J	JGR	81	5701	76	SCR
		Theo J	JGR	81	5701	76	SCR
Walton+ TBL.E<=200.<Z>=13.1%SI.99%INERT Walton+ TBL.E<= 45.<Z>=13.1%SI.99%INERT							
$^{35}\text{Si}(p,x)^{22}\text{Ne}$ cumulative spectrum average thick target yield							
1015	RIC	Theo J	JGR	81	5701	76	SCR
		Theo J	JGR	81	5701	76	SCR
Walton+ TBL.E<=200.<Z>=13.1%SI.99%INERT Walton+ TBL.E<= 45.<Z>=13.1%SI.99%INERT							
$^{35}\text{Si}(p,x)^{38}\text{Ar}$ spectrum average thick target yield							
1016	RIC	Theo J	JGR	81	5701	76	SCR
		Theo J	JGR	81	5701	76	SCR
Walton+ TBL.E<=200.<Z>=13.1%SI.99%INERT Walton+ TBL.E<= 45.<Z>=13.1%SI.99%INERT							
$^{30}\text{P}(p,\gamma)^{31}\text{S}$ $\sigma(E)$							
1017	CAL	Theo J	AND	22	371	N78	NDG
		Theo J	AND	22	371	N78	NDG
Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR							
$^{31}\text{P}(p,x)\gamma$ raw thick target yield							
1018	AUA	Expt J	AUJ	31	267	878	2.0+0 2.5+0 Bird+ TBL. THETA=135. CFD. TO OTHERS
$^{31}\text{P}(p,3n+5p)^{24}\text{Na}$ $\sigma(E)$							
1019	UPP	Expt J	ARI	30	33	79	5.0+1 1.5+2 Lundqvist+ CURV. CYLINDRICAL PELLET.
		Expt J	ARI	30	33	79	1.0+2 Lundqvist+ TBL. COMPARED TO LITERATURE.
$^{31}\text{P}(p,4p)^{28}\text{Mg}$ $\sigma(E)$							
1020	UPP	Expt J	ARI	30	33	79	5.0+1 1.5+2 Lundqvist+ CURV. CYLINDRICAL PELLET.
		Expt J	ARI	30	33	79	1.3+2 Lundqvist+ TBL. COMPARED TO LITERATURE.
$^{31}\text{P}(p,4p)^{28}\text{Mg}$ thick target yield							
1021	UPP	Expt J	ARI	30	33	79	6.2+1 1.5+2 Lundqvist+ CURV. FROM SIGMA.
		Expt A	JLCR	16	132	79	6.2+1 1.6+2 Malmberg+ CURV.
1022	JUL	Expt J	ARI	27	431	76	1.5+2 Probst+ TBL. REV. OF PREV. WORK.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
³¹ P(p,4p) ²⁸ Mg product yield					
1023	UPP Expt P	NEANDC(OR)150	477	1.0+2	Lundqvist+NDG. PROD. LABELLED CMP. P.15
	Expt P	NEANDC(OR)146	476	1.0+2	Lundqvist+NDG. PROD. LABELLED CMP. P.16
³¹ P(p,α) ²⁸ Si σ(E)					
1024	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R	OAP-422	875	TR 8.3+0	Woosley+ CURV. HAUSER-FESHBACH.
³¹ P(p,x) ³⁰ P cumulative σ(E)					
1025	KFK Comp B	PH-DAT 15	2	D79 2.2+1	Muenzel+ TBL. FROM EXFOR.
1026	ORL Expt J	PR 99	723	55 2.2+1	Cohen+ TBL. ACTIVITY AFTER 30S DECAY.
	Expt 4	EXFORB0049.006	77	2.2+1	. 240MB. AVE. UNC.=20%. CALIB. UNC.=15%
³¹ P(p,n+p) ³⁰ P thick target yield					
1027	JUL Expt J	ARI 30	3	79 2.8+1	Sahakundu+ 4.74MCI/MUAMIN. FROM SIGMA.
³¹ P(p,n+p) ³⁰ P σ(E)					
1028	JUL Expt J	ARI 30	3	79 1.9+1 3.5+1	Sahakundu+ CURV. PCL5 STACKED BAGS.
	Rev C	78HARMEL	667	78 2.0+1 3.3+1	Stocklin+ CURV. FROM ARI 28.131.
³¹ P(p,n) ³¹ S σ(E)					
1029	CAL Theo R	OAP-422	875	2.1-1 8.3+0	Woosley+ CURV. HAUSER-FESHBACH.
³¹ P(p,γ) ³² S product yield					
1030	MDS Rev R	PHOTONUCLE	1	78 1.4+0 1.5+0	Varlamov+ NDG. TBL. FROM 55, 90 DEG DAT
³¹ P(p,γ) ³² S σ(E)					
1031	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R	OAP-422	875	TR 1.0+1	Woosley+ CURV. HAUSER-FESHBACH.
1032	USA Expt A	BAP 23	518	478 5.0-1 2.5+0	No Author-Lab. NDG. DED. STRENGTHS.
³¹ P(p,γ) ³² S raw σ(E)					
1033	AML Expt J	PR/C 17	1550	578 8.1-1 8.2-1	Paine+ CURV. ALSO DEDUCED RES. STRENGT
1034	CCP Expt J	UFZ 20	1787	N75 1.9+0 3.0+0	Kostin+ CURV.
³² P(p,α) ²⁸ Si σ(E)					
1035	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
³² P(p,n) ³² S σ(E)					
1036	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
³² P(p,γ) ³³ S σ(E)					
1037	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
³³ P(p,α) ³⁰ Si σ(E)					
1038	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
³³ P(p,γ) ³⁴ S σ(E)					
1039	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
³⁴ P(p,α) ³¹ Si σ(E)					
1040	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
³⁴ P(p,n) ³⁴ S σ(E)					
1041	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
³⁴ P(p,γ) ³⁵ S σ(E)					
1042	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{35}\text{P}(p,\alpha)^{32}\text{Si}$ $\sigma(E)$					
1043	CAL Theo J AND	22	371	N78	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{35}\text{P}(p,n)^{35}\text{S}$ $\sigma(E)$					
1044	CAL Theo J AND	22	371	N78	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{35}\text{P}(p,\gamma)^{36}\text{S}$ $\sigma(E)$					
1045	CAL Theo J AND	22	371	N78	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{36}\text{P}(p,\alpha)^{33}\text{Si}$ $\sigma(E)$					
1046	CAL Theo J AND	22	371	N78	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{36}\text{P}(p,n)^{36}\text{S}$ $\sigma(E)$					
1047	CAL Theo J AND	22	371	N78	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{36}\text{P}(p,\gamma)^{37}\text{S}$ $\sigma(E)$					
1048	CAL Theo J AND	22	371	N78	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{37}\text{P}(p,\alpha)^{34}\text{Si}$ $\sigma(E)$					
1049	CAL Theo J AND	22	371	N78	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{37}\text{P}(p,n)^{37}\text{S}$ $\sigma(E)$					
1050	CAL Theo J AND	22	371	N78	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{37}\text{P}(p,\gamma)^{38}\text{S}$ $\sigma(E)$					
1051	CAL Theo J AND	22	371	N78	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{c=}\text{P}(p,x)^{28}\text{Mg}$ product yield					
1052	UPP Expt P KDK-23		9	478	1.0+2 Lundqvist+ NDG. FRM PCL.
$^{c=}\text{P}(p,x)^{28}\text{Mg}$ $\sigma(E)$					
1053	UPP Expt P KDK-23		9	478	NDG. Lundqvist+ NDG. MEAS. IN PROG.
$\text{S}(p,xn+6p)^{24}\text{Na}$ $\sigma(E)$					
1054	UPP Expt J ARI	30	33	79	5.0+1 1.6+2 Lundqvist+ CURV. CYLINDRICAL PELLET.
	Expt J ARI	30	33	79	1.0+2 Lundqvist+ TBL. COMPARED TO LITERATURE.
$\text{S}(p,x)^{28}\text{Mg}$ $\sigma(E)$					
1055	UPP Expt J ARI	30	33	79	5.0+1 1.5+2 Lundqvist+ CURV. CYLINDRICAL PELLET.
	Expt J ARI	30	33	79	4.8+1 Lundqvist+ TBL. COMPARED TO LITERATURE.
	Expt A JLCR	16	132	79	1.3+2 Malmberg+ TBL. CFD LITERATURE.
	Expt A JLCR	16	132	79	5.0+1 1.6+2 Malmberg+ NDG.
$\text{S}(p,x)^{28}\text{Mg}$ thick target yield					
1056	UPP Expt A JLCR	16	132	79	8.8+1 1.6+2 Malmberg+ CURV.
	Expt J ARI	30	33	79	8.6+1 Lundqvist+ CURV.
$\text{S}(p,x)^{34}\text{Cl}$ thick target yield					
1057	FEI Expt J ARI	27	159	76	8.0+0 2.2+1 Zolotokin+ CURV. T1/2=32.2MIN.
$^{32}\text{S}(p,x)$ spallation $\sigma(E)$ x factor					
1058	NRL Revw J AJ/S	35	137	077	6.0+2 1.0+3 Silberberg+ TBL. 2 ES.RATIO CALC./EXPT.
$^{32}\text{S}(p,x)^{17}\text{N}$ $\sigma(E)$					
1059	LIN Expt J YF	25	1140	677	1.0+3 Batist+ BORON-LOADED SCIN IN PARAFFIN.
	Expt 4 EXFORA0013.002	379	1.0+3		. 1 DATA POINT.
$^{32}\text{S}(p,x)^{17}\text{N}$ $\sigma(E)$ x factor					
1060	LIN Expt J YF	25	1140	677	1.0+3 Batist+ RATIO 32S/34S.
	Expt 4 EXFORA0013.003	379	1.0+3		. 1 DATA POINT.

REFERENCES(cont)

No.	Lab	Work	Reference	Emin (MeV)	E _{max} (MeV)	Author.	Comments
<hr/>							
			$^{32}\text{S}(p, \alpha)^{29}\text{P}$			$\sigma(E)$	
1061	CAL	Theo R	OAP-422	875	TR	1.5+1	Woosley+ CURV. HAUSER-FESHBACH.
1062	MIL	Expt J	NC/A 39	171	577	3.7+1	Colli+ (114+-34)MB. E/A INT.
			$^{32}\text{S}(p, n)^{32}\text{Cl}$				$\sigma(E)$
1063	CAL	Theo R	OAP-422	875	2.1-1	1.5+1	Woosley+ CURV. HAUSER-FESHBACH.
			$^{32}\text{S}(p, \gamma)^{33}\text{Cl}$				$\sigma(E)$
1064	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422	875	TR	1.0+1	Woosley+ CURV. HAUSER-FESHBACH.
			$^{33}\text{S}(p, \alpha)^{30}\text{P}$				$\sigma(E)$
1065	CAL	Theo R	OAP-422	875	2.1-1	1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
			$^{33}\text{S}(p, n)^{33}\text{Cl}$				$\sigma(E)$
1066	CAL	Theo R	OAP-422	875	TR	1.0+1	Woosley+ CURV. HAUSER-FESHBACH.
			$^{33}\text{S}(p, \gamma)^{34}\text{Cl}$				product yield
1067	MOS	Revu R	PHOTONUCLE	1	78	1.0+0	2.0+0 Varlamov+ NDG. TBL. FROM 0-90DEG DATA
			$^{33}\text{S}(p, \gamma)^{34}\text{Cl}$				$\sigma(E)$
1068	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422	875	TR	1.0+1	Woosley+ CURV. HAUSER-FESHBACH.
			$^{34}\text{S}(p, x)^{17}\text{N}$				$\sigma(E)$
1069	LIN	Expt J	YF 25	1140	677	1.0+3	Ballist+ BORON-LOADED SCIN IN PARAFFIN.
		Expt 4	EXFORA0013.002	379	1.0+3		. 1 DATA POINT.
			$^{34}\text{S}(p, x)^{17}\text{N}$				$\sigma(E) \times \text{factor}$
1070	LIN	Expt J	YF 25	1140	677	1.0+3	Ballist+ RATIO $^{32}\text{S}/^{34}\text{S}$.
		Expt 4	EXFORA0013.003	379	1.0+3		. 1 DATA POINT.
			$^{34}\text{S}(p, \alpha)^{31}\text{P}$				partial $\sigma(E)$
1071	MIL	Expt J	PR/C 15	573	277	3.6+1	Pellegrini+ TBL. INTAD. 5 STATES.
			$^{34}\text{S}(p, \alpha)^{31}\text{P}$				$\sigma(E)$
1072	CAL	Theo R	OAP-422	875	TR	1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
			$^{34}\text{S}(p, t)^{32}\text{S}$				partial product yield
1073	ROC	Expt A	BAP 24	818	979	2.3+1	Anantaraman+ NDG. G.S.
			$^{34}\text{S}(p, n)^{34}\text{Cl}$				raw $\sigma(E)$
1074	NZA	Expt J	NP/A 279	199	377	TR	+0 Barker+ CURV. ACTIVATION. FUNC. OF NMR
			$^{34}\text{S}(p, n)^{34}\text{Cl}$				$\sigma(E)$
1075	CAL	Theo R	OAP-422	875	2.1-1	1.0+1	Woosley+ CURV. HAUSER-FESHBACH.
			$^{34}\text{S}(p, n)^{34}\text{S}$				$\sigma(E)$
1076	HRV	Expt J	PR 88	19	52	1.0-1	9.4+1 Hintz+ CURV. STACKED FOILS.
		Expt J	PR 83	151	51	1.0-1	9.4+1 . PRELIMINARY VALUES.
		Expt 4	EXFORB0076.006	D78	1.0-1	9.4+1	. 28 DATA POINTS.
1077	KFK	Comp B	PH-DAT 15	2	D79	1.0-1	9.4+1 Muenzel+ TBL. FROM EXFOR.
			$^{34}\text{S}(p, \gamma)^{35}\text{Cl}$				$\sigma(E)$
1078	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422	875	TR	1.0+1	Woosley+ CURV. HAUSER-FESHBACH.
			$^{34}\text{S}(p, \gamma)^{35}\text{Cl}$				raw $\sigma(E)$
1079	AML	Expt J	NP/A 331	389	N79	5.0-1	2.0+0 Palne+ NDG. DEDUCED RES. STRENGTHS.
			$^{35}\text{S}(p, \alpha)^{32}\text{P}$				$\sigma(E)$
1080	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{35}\text{S}(p, \gamma)^{36}\text{Cl}$				$\sigma(E)$
1081	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{36}\text{S}(p,\alpha)^{33}\text{P}$ $\sigma(\text{E})$					
1082	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 2.1-1	9.7+0	Woosley+	CURV. HAUSER-FESHBACH.
$^{36}\text{S}(p,n)^{36}\text{Cl}$ $\sigma(\text{E})$					
1083	CAL Theo R OAP-422	875 TR	1.0+1	Woosley+	CURV. HAUSER-FESHBACH.
$^{36}\text{S}(p,\gamma)^{37}\text{Cl}$ $\sigma(\text{E})$					
1084	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR	1.0+1	Woosley+	CURV. HAUSER-FESHBACH.
$^{37}\text{S}(p,\alpha)^{34}\text{P}$ $\sigma(\text{E})$					
1085	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{37}\text{S}(p,n)^{37}\text{Cl}$ $\sigma(\text{E})$					
1086	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{37}\text{S}(p,\gamma)^{38}\text{Cl}$ $\sigma(\text{E})$					
1087	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{38}\text{S}(p,\alpha)^{35}\text{P}$ $\sigma(\text{E})$					
1088	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{38}\text{S}(p,n)^{38}\text{Cl}$ $\sigma(\text{E})$					
1089	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{38}\text{S}(p,\gamma)^{39}\text{Cl}$ $\sigma(\text{E})$					
1090	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{39}\text{S}(p,\alpha)^{36}\text{P}$ $\sigma(\text{E})$					
1091	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{39}\text{S}(p,n)^{39}\text{Cl}$ $\sigma(\text{E})$					
1092	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{39}\text{S}(p,\gamma)^{40}\text{Cl}$ $\sigma(\text{E})$					
1093	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{40}\text{S}(p,\alpha)^{37}\text{P}$ $\sigma(\text{E})$					
1094	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{40}\text{S}(p,n)^{40}\text{Cl}$ $\sigma(\text{E})$					
1095	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{40}\text{S}(p,\gamma)^{41}\text{Cl}$ $\sigma(\text{E})$					
1096	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{41}\text{S}(p,\alpha)^{38}\text{P}$ $\sigma(\text{E})$					
1097	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{41}\text{S}(p,n)^{41}\text{Cl}$ $\sigma(\text{E})$					
1098	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{41}\text{S}(p,\gamma)^{42}\text{Cl}$ $\sigma(\text{E})$					
1099	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{45}\text{S}(p,\gamma)^{42}\text{Cl}$ $\sigma(E)$						
1099	CAL	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
$\text{Cl}(p,x)^{24}\text{Na}$ $\sigma(E)$						
1100	UPP	Expl J	ARI 30	33	79 5.0+1	1.6+2 Lundqvist+ CURV. CYLINDRICAL PELLET.
		Expl J	ARI 30	33	79 1.0+2	Lundqvist+ TBL. COMPARED TO LITERATURE.
$\text{Cl}(p,x)^{28}\text{Mg}$ $\sigma(E)$						
1101	UPP	Expl J	ARI 30	33	79 5.0+1	1.5+2 Lundqvist+ CURV. CYLINDRICAL PELLET.
		Expl A	JLCR 16	132	79 1.3+2	Malmberg+ TBL. CFD LITERATURE.
$\text{Cl}(p,x)^{28}\text{Mg}$ thick target yield						
1102	UPP	Expl J	ARI 30	33	79 7.5+1	Lundqvist+ CURV.
		Expl A	JLCR 16	132	79 7.9+1	1.6+2 Malmberg+ CURV.
1103	JUL	Rev J	JRC 30	53	76 1.6+2	Weinreich+ TBL.
		Expl J	ARI 27	431	76 1.6+2	Probst+ TBL. REV. OF PREV. WORK.
$\text{Cl}(p,x)^{34}\text{Cl}$ thick target yield						
1104	FEI	Expl J	ARI 27	159	76 1.4+1	2.2+1 Zatolokin+ CURV. T1/2=32.2MIN.
$^{35}\text{Cl}(p,\alpha)^{32}\text{S}$ $\sigma(E)$						
1105	CAL	Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422	875	2.1-1	8.2+0 Woosley+ CURV. HAUSER-FESHBACH.
$^{35}\text{Cl}(p,n+p)^{34}\text{Cl}$ $\sigma(E)$						
1106	JUL	Rev W	PREPRINT	678	4.5+0	4.5+1 Qaim+ CURV. 1974 DATA
		Expl P	NEANDC(E)-1825	477	NDG	Qaim+ NDG. P. 55. PRELIM.
		Expl A	JLCR 23	209	77 TR	4.5+1 Weinreich+ NDG.
1107	KFK	Comp B	PH-DAT 15	2	079 2.2+1	Muenzel+ TBL. FROM EXFOR.
1108	ORL	Expl J	PR 99	723	55 2.2+1	Cohen+ TBL. RESIDUAL ACTIVITY.
		Expl 4	EXFORB0049.007	77	2.2+1	. 120MB. AVE. UNC.=20%. CALIB. UNC.=15%
$^{35}\text{Cl}(p,n+p)^{34}\text{Cl}$ thick target yield						
1109	JUL	Rev W	PREPRINT	678	2.4+1	Qaim+CURV.1974 DATA.1.02MC1/MICROA*MINN
$^{35}\text{Cl}(p,n+p)^{34}\text{Cl}$ product yield						
1110	JUL	Rev R	JUEL-1551		N78 3.8+1	Kupfernagel+ NDG. LABELLED FATTY ACIDS.
$^{35}\text{Cl}(p,n)^{35}\text{Ar}$ raw $\sigma(E)$						
1111	NZA	Expl J	AUJ 30	365	677 6.9+0	6.9+0 White+ CURV.YLDVSNMR.E(Tr)=(6943+-1)KEV
$^{35}\text{Cl}(p,n)^{35}\text{Ar}$ partial raw $\sigma(E)$						
1112	MON	Expl J	PR/C 17	443	278 6.9+0	7.0+0 Azuelos+CURV.B+ YLD VS NMR FREQ.2 TRGTS
$^{35}\text{Cl}(p,n)^{35}\text{Ar}$ $\sigma(E)$						
1113	CAL	Theo R	OAP-422	875	TR	1.1+1 Woosley+ CURV. HAUSER-FESHBACH.
$^{35}\text{Cl}(p,\gamma)^{36}\text{Ar}$ relative I_γ						
1114	KQU	Expl J	PR/C 14	1320	76 2.4+0	2.4+0 Martin+ CURV. E(G)=1.97.E(G)=2.6-3.2
$^{35}\text{Cl}(p,\gamma)^{36}\text{Ar}$ $\sigma(E)$						
1115	CAL	Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422	875	TR	1.1+1 Woosley+ CURV. HAUSER-FESHBACH.
$^{36}\text{Cl}(p,\alpha)^{33}\text{S}$ $\sigma(E)$						
1116	CAL	Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{36}\text{Cl}(p,\gamma)^{37}\text{Ar}$ $\sigma(E)$						
1117	CAL	Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{37}\text{Cl}(p,\alpha)^{34}\text{S}$ $\sigma(E)$						
1118	CAL	Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422	875	5.1-1	8.0+0 Woosley+ CURV. HAUSER-FESHBACH.
$^{37}\text{Cl}(p,n)^{37}\text{Ar}$ $\sigma(E)$						
1119	CAL	Theo R	OAP-422	875	TR	1.0+1 Woosley+ CURV. HAUSER-FESHBACH.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{37}\text{Cl}(p,n)^{37}\text{Ar}$ $\sigma(E)$							
1120	ORL	Expt P	ORNL-2910	25	60	TR	5.0+0 Johnson+ CURV. THICKER TRGT. 4PI DETECT
		Expt J	PR 109	1243	58	1.6+0	2.2+0 Johnson+ CURV. NACL TARGET.
		Expt P	ORNL-2501	29	58	TR	5.0+0 Johnson+ EXPT. DETAILS.
		Expt 4	EXFORB0068.015	678	1.6+0	5.0+0	30 DATA POINTS.
		Expt 4	EXFORB0046.002	77	1.7+0	2.2+0	.45POINTS.ERR ADDED BY COMP TO CPX DATA
1121	KFK	Comp B	PH-DAT 15	2	D79	1.6+0	5.0+0 Muenzel+ TBL. FROM EXFOR.
1122	ORL	Expt J	PR 169	974	568	2.5+0	5.2+0 Johnson+ CURV. FROM PR 136, B1719.
$^{37}\text{Cl}(p,n)^{37}\text{Ar}$ relative $\sigma(E)$							
1123	ORL	Expt J	PR/B 136	1719	D64	1.8+0	5.8+0 Johnson+ CURV. FROM 1953+1960 MEAS.
$^{37}\text{Cl}(p,\gamma)^{38}\text{Ar}$ $\sigma(E)$							
1124	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422	875	TR	1.0+1	Woosley+ CURV. HAUSER-FESHBACH.
$^{37}\text{Cl}(p,\gamma)^{38}\text{Ar}$ raw $\sigma(E)$							
1125	AML	Expt J	NP/A 331	389	N79	5.0-1	2.0+0 Paine+ NDG. DEDUCED RES. STRENGTHS.
$^{38}\text{Cl}(p,\alpha)^{35}\text{S}$ $\sigma(E)$							
1126	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{38}\text{Cl}(p,n)^{38}\text{Ar}$ $\sigma(E)$							
1127	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{38}\text{Cl}(p,\gamma)^{38}\text{Ar}$ $\sigma(E)$							
1128	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{39}\text{Cl}(p,\alpha)^{36}\text{S}$ $\sigma(E)$							
1129	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{39}\text{Cl}(p,n)^{39}\text{Ar}$ $\sigma(E)$							
1130	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{39}\text{Cl}(p,\gamma)^{40}\text{Ar}$ $\sigma(E)$							
1131	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{40}\text{Cl}(p,\alpha)^{37}\text{S}$ $\sigma(E)$							
1132	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{40}\text{Cl}(p,n)^{40}\text{Ar}$ $\sigma(E)$							
1133	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{40}\text{Cl}(p,\gamma)^{41}\text{Ar}$ $\sigma(E)$							
1134	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{41}\text{Cl}(p,\alpha)^{38}\text{S}$ $\sigma(E)$							
1135	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{41}\text{Cl}(p,n)^{41}\text{Ar}$ $\sigma(E)$							
1136	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{41}\text{Cl}(p,\gamma)^{42}\text{Ar}$ $\sigma(E)$							
1137	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{42}\text{Cl}(p,\alpha)^{39}\text{S}$ $\sigma(E)$							
1138	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
			$^{42}\text{Cl}(\text{p},\alpha)^{38}\text{S}$				$\sigma(\text{E})$
1138	CAL	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{42}\text{Cl}(\text{p},\text{n})^{42}\text{Ar}$				$\sigma(\text{E})$
1139	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{42}\text{Cl}(\text{p},\gamma)^{43}\text{Ar}$				$\sigma(\text{E})$
1140	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{43}\text{Cl}(\text{p},\alpha)^{40}\text{S}$				$\sigma(\text{E})$
1141	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{43}\text{Cl}(\text{p},\text{n})^{43}\text{Ar}$				$\sigma(\text{E})$
1142	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{43}\text{Cl}(\text{p},\gamma)^{44}\text{Ar}$				$\sigma(\text{E})$
1143	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{44}\text{Cl}(\text{p},\alpha)^{41}\text{S}$				$\sigma(\text{E})$
1144	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{44}\text{Cl}(\text{p},\text{n})^{44}\text{Ar}$				$\sigma(\text{E})$
1145	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{44}\text{Cl}(\text{p},\gamma)^{45}\text{Ar}$				$\sigma(\text{E})$
1146	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{45}\text{Cl}(\text{p},\alpha)^{42}\text{S}$				$\sigma(\text{E})$
1147	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{45}\text{Cl}(\text{p},\text{n})^{45}\text{Ar}$				$\sigma(\text{E})$
1148	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{45}\text{Cl}(\text{p},\gamma)^{46}\text{Ar}$				$\sigma(\text{E})$
1149	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{60}\text{Co}(\text{p},\text{x})^{28}\text{Mg}$				product yield
1150	UPP	Expt P KDK-23		9	478	1.0+2	Lundqvist+ NDG. FRM NACL.
			$^{60}\text{Co}(\text{p},\text{x})^{28}\text{Mg}$				$\sigma(\text{E})$
1151	UPP	Expt P KDK-23		9	478	NDG	Lundqvist+ NDG. MEAS. IN PROG.
			$\text{Ar}(\text{p},\text{x})^{24}\text{Na}$				$\sigma(\text{E})$
1152	UPP	Expt J ARI	30	33	79	5.5+1	1.6+2 Lundqvist+ CURV. CYLINDRICAL PELLET.
			$\text{Ar}(\text{p},\text{x})^{28}\text{Mg}$				$\sigma(\text{E})$
1153	UPP	Expt J ARI	30	33	79	5.5+1	1.7+2 Lundqvist+ CURV. CYLINDRICAL PELLET.
		Expt J ARI	30	33	79	2.5+1	Lundqvist+ NDG. LITTLE ACTIVITY.
		Expt A JLCR	16	132	79	1.3+2	Malmberg+ TBL. CFD LITERATURE.
			$\text{Ar}(\text{p},\text{x})^{28}\text{Mg}$				thick target yield
1154	UPP	Expt J ARI	30	33	79	7.8+1	Lundqvist+ CURV.
		Expt A JLCR	16	132	79	7.5+1	1.6+2 Malmberg+ CURV.
			$^{36}\text{Ar}(\text{p},\alpha)^{33}\text{Cl}$				$\sigma(\text{E})$
1155	CAL	Theo R OAP-422		875	2.1-1	1.6+1	Woosley+ CURV. HAUSER-FESHBACH.
			$^{36}\text{Ar}(\text{p},\text{n})^{36}\text{K}$				$\sigma(\text{E})$
1156	CAL	Theo R OAP-422		875	TR	1.0+1	Woosley+ CURV. HAUSER-FESHBACH.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
	³⁶ Ar(p,γ) ³⁷ K	σ(E)			
1157	CAL Theo J AND Theo J AND Theo R OAP-422	22 22 22	371 371 875	N78 NDG N78 NDG TR	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR 1.0+1 Woosley+ CURV. HAUSER-FESHBACH.
	³⁷ Ar(p,γ) ³⁸ K	σ(E)			
1158	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
	³⁸ Ar(p,σ) ³⁸ Cl	σ(E)			
1159	CAL Theo R OAP-422		875	5.1-1	1.1+1 Woosley+ CURV. HAUSER-FESHBACH.
	³⁸ Ar(p,n) ³⁸ K	σ(E)			
1160	CAL Theo R OAP-422		875	TR	1.0+1 Woosley+ CURV. HAUSER-FESHBACH.
	³⁸ Ar(p,γ) ³⁹ K	σ(E)			
1161	CAL Theo J AND Theo J AND Theo R OAP-422	22 22 22	371 371 875	N78 NDG N78 NDG TR	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR 1.0+1 Woosley+ CURV. HAUSER-FESHBACH.
	³⁸ Ar(p,σ) ³⁸ Cl	σ(E)			
1162	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
	³⁸ Ar(p,γ) ⁴⁰ K	σ(E)			
1163	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁴⁰ Ar(p,x) ³² P	product yield			
1164	IKO Expt J ARI	29	693	N78 5.2+1	Kaspersen+ CONTAMINANT IN S38 PROD.
	⁴⁰ Ar(p,x) ³² P	σ(E)×factor			
1165	IKO Expt J ARI Expt J ARI	29 29	693 693	N78 5.2+1 N78 5.2+1	Kaspersen+ RATIO 32P/38S= 0.43 Kaspersen+ RATIO 32P/33P= 0.75
	⁴⁰ Ar(p,x) ³³ P	product yield			
1166	IKO Expt J ARI	29	693	N78 5.2+1	Kaspersen+ CONTAMINANT IN S38 PROD.
	⁴⁰ Ar(p,x) ³³ P	σ(E)×factor			
1167	IKO Expt J ARI Expt J ARI	29 29	693 693	N78 5.2+1 N78 5.2+1	Kaspersen+ RATIO 33P/38S= 0.57 Kaspersen+ RATIO 32P/33P= 0.75
	⁴⁰ Ar(p,x) ³⁵ S	product yield			
1168	IKO Expt J ARI	29	693	N78 5.2+1	Kaspersen+ CONTAMINANT IN S38 PROD.
	⁴⁰ Ar(p,x) ³⁵ S	σ(E)×factor			
1169	IKO Expt J ARI	29	693	N78 5.2+1	Kaspersen+ RATIO 35S/38S= 0.4
	⁴⁰ Ar(p,3p) ³⁸ S	σ(E)			
1170	JUL Revw W PREPRINT		678	3.2+1	5.0+1 Qaim+ CURV.
1171	IKO Expt J ARI Expt J ARI	29 26	693 771	N78 5.2+1 75 3.2+1	5.0+1 Kaspersen+ FROM ARI 26, 771(1975) Leurs+ CURV. RADIOCHEMISTRY.
	⁴⁰ Ar(p,3p) ³⁸ S	thick target yield			
1172	IKO Expt J ARI	26	771	75 5.0+1	Leurs+ EST. YLD. = 30MCI/MUA-HR.
1173	JUL Revw W PREPRINT		678	5.0+1	Qaim+ 30MCI/MICROAH
	⁴⁰ Ar(p,3p) ³⁸ S	σ(E)×factor			
1174	IKO Expt J ARI	29	693	N78 5.2+1	Kaspersen+ RATIO 32P,33P,35S/38S.
	⁴⁰ Ar(p,σ) ³⁷ Cl	σ(E)			
1175	CAL Theo J AND Theo J AND Theo R OAP-422	22 22 22	371 371 875	N78 NDG N78 NDG 5.1-1	8.4+0 Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR Woosley+ CURV. HAUSER-FESHBACH.
	⁴⁰ Ar(p,3n) ³⁸ K	product yield			
1176	BNL Expt A JLCR	16	129	79 3.2+1	Lambrecht+ (4.4+0.9)MCI/MUAH. ION EXCH
	⁴⁰ Ar(p,n) ⁴⁰ K	σ(E)			
1177	CAL Theo R OAP-422		875	TR	1.0+1 Woosley+ CURV. HAUSER-FESHBACH.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
$^{40}\text{Ar}(p,\gamma)^{41}\text{K}$ $\sigma(E)$					
1178	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR	1.0+1 Woosley+ CURV. HAUSER-FESHBACH.
$^{41}\text{Ar}(p,\alpha)^{38}\text{Cl}$ $\sigma(E)$					
1179	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{41}\text{Ar}(p,n)^{41}\text{K}$ $\sigma(E)$					
1180	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{41}\text{Ar}(p,\gamma)^{42}\text{K}$ $\sigma(E)$					
1181	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{42}\text{Ar}(p,\alpha)^{39}\text{Cl}$ $\sigma(E)$					
1182	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{42}\text{Ar}(p,\gamma)^{43}\text{K}$ $\sigma(E)$					
1183	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{43}\text{Ar}(p,\alpha)^{40}\text{Cl}$ $\sigma(E)$					
1184	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{43}\text{Ar}(p,n)^{43}\text{K}$ $\sigma(E)$					
1185	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{43}\text{Ar}(p,\gamma)^{44}\text{K}$ $\sigma(E)$					
1186	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{44}\text{Ar}(p,n)^{44}\text{K}$ $\sigma(E)$					
1187	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{44}\text{Ar}(p,\gamma)^{45}\text{K}$ $\sigma(E)$					
1188	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{45}\text{Ar}(p,n)^{45}\text{K}$ $\sigma(E)$					
1189	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{45}\text{Ar}(p,\gamma)^{46}\text{K}$ $\sigma(E)$					
1190	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$\text{K}(p,x)^{24}\text{Na}$ $\sigma(E)$					
1191	UPP Expt J ARI	30	33	79 5.0+1	1.6+2 Lundqvist+ CURV. CYLINDRICAL PELLET.
	Expt J ARI	30	33	79 1.0+2	Lundqvist+ TBL. COMPARED TO LITERATURE.
$\text{K}(p,x)^{28}\text{Mg}$ $\sigma(E)$					
1192	UPP Expt J ARI	30	33	79 8.0+1	1.5+2 Lundqvist+ CURV. CYLINDRICAL PELLET.
$\text{K}(p,x)^{28}\text{Mg}$ thick target yield					
1193	UPP Expt J ARI	30	33	79 1.2+2	Lundqvist+ CURV.
	Expt J ARI	30	33	79 1.3+2	Lundqvist+ TBL. COMPARED TO LITERATURE.
	Expt A JLCR	16	132	79 1.2+2	1.6+2 Malmberg+ CURV.
$^{38}\text{K}(p,\alpha)^{36}\text{Ar}$ $\sigma(E)$					
1194	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	5.1-1	9.2+0 Woosley+ CURV. HAUSER-FESHBACH.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{39}\text{K}(p,n+p)^{38}\text{gK} \quad \sigma(E)$					
1195	KFK Comp B PH-DAT	15 2 079 2.2+1			Muenzel+ TBL. FROM EXFOR.
1196	ORL Expt J PR	99 723 55 2.2+1			Cohen+ TBL. RESIDUAL ACTIVITY.
	Expt 4 EXFOR80049.008	77 2.2+1			. 105MB. AVE. UNC.=20%. CALIB. UNC.=15%
$^{39}\text{K}(p,\text{inelastic})^{39}\text{K} \quad \sigma(E)$					
1197	SUN Expt P SUNI-52	16 077 5.7+0 6.0+0			Stander+ TBL. CFD HUASER-FESHBACH
$^{39}\text{K}(p,n)^{39}\text{Ca} \quad \text{raw } \sigma(E)$					
1198	MON Expt J PR/C	18 1085 978 7.5+0 7.5+0			Rao+ THRESHOLD CURV AS FUNC OF NMR.
$^{39}\text{K}(p,n)^{39}\text{Ca} \quad \sigma(E)$					
1199	CAL Theo R OAP-422	875 TR	1.0+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{39}\text{K}(p,\gamma)^{40}\text{Ca} \quad \sigma(E)$					
1200	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR	1.0+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{39}\text{K}(p,\gamma)^{40}\text{Ca} \quad \text{raw } \sigma(E)$					
1201	AML Expt J NP/A	331 389 N79 5.0-1 2.0+0			Paine+ NDG. DEDUCED RES. STRENGTHS.
$^{40}\text{K}(p,\alpha)^{37}\text{Ar} \quad \sigma(E)$					
1202	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 5.1-1 8.0+0			Woosley+ CURV. HAUSER-FESHBACH.
$^{40}\text{K}(p,n)^{40}\text{Ca} \quad \sigma(E)$					
1203	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR	1.0+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{40}\text{K}(p,\gamma)^{41}\text{Ca} \quad \sigma(E)$					
1204	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR	1.0+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{41}\text{K}(p,\alpha)^{38}\text{Ar} \quad \sigma(E)$					
1205	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 5.1-1 6.1+0			Woosley+ CURV. HAUSER-FESHBACH.
$^{41}\text{K}(p,\text{inelastic})^{41}\text{K} \quad \sigma(E)$					
1206	SUN Expt P SUNI-52	16 077 5.7+0 6.0+0			Stander+ NDG. CFD HUASER-FESHBACH
$^{41}\text{K}(p,n)^{41}\text{Ca} \quad \sigma(E)$					
1207	CAL Theo R OAP-422	875 TR	1.0+1		Woosley+ CURV. HAUSER-FESHBACH.
1208	KFK Comp B PH-DAT	15 2 079 1.1+0 6.0+0			Muenzel+ TBL. FROM EXFOR.
1209	ORL Expt P ORNL-2910	25 60 1.1+0 6.0+0			Johnson+ CURV. THICKER TRGT. 4PI DETECT
	Expt P ORNL-2501	29 58 1.1+0 6.0+0			Johnson+ EXPT. DETAILS.
	Expt 4 EXFOR80068.002	678 1.1+0 6.0+0			. 45 DATA POINTS.
$^{41}\text{K}(p,n)^{41}\text{Ca} \quad \text{average } \sigma(E)$					
1210	ORL Expt J PR/B	136 1719 064 1.2+0 1.3+0			Johnson+ CURV. FROM 1952 MEASUREMENT.
$^{41}\text{K}(p,\gamma)^{42}\text{Ca} \quad \sigma(E)$					
1211	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR	1.0+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{42}\text{K}(p,\alpha)^{38}\text{Ar} \quad \sigma(E)$					
1212	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{42}\text{K}(p,n)^{42}\text{Ca} \quad \sigma(E)$					
1213	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{42}\text{K}(p,\gamma)^{43}\text{Ca} \quad \sigma(E)$					
1214	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES (cont.)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		⁴³ K(p,α) ⁴⁰ Ar σ(E)				
1215	CAL Theo	J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴³ K(p,n) ⁴³ Ca σ(E)				
1216	CAL Theo	J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴³ K(p,γ) ⁴⁴ Ca σ(E)				
1217	CAL Theo	J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁴ K(p,α) ⁴¹ Ar σ(E)				
1218	CAL Theo	J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁴ K(p,n) ⁴⁴ Ca σ(E)				
1219	CAL Theo	J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁴ K(p,γ) ⁴⁵ Ca σ(E)				
1220	CAL Theo	J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁵ K(p,α) ⁴² Ar σ(E)				
1221	CAL Theo	J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁵ K(p,n) ⁴⁵ Ca σ(E)				
1222	CAL Theo	J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁵ K(p,γ) ⁴⁶ Ca σ(E)				
1223	CAL Theo	J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁶ K(p,α) ⁴³ Ar σ(E)				
1224	CAL Theo	J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁶ K(p,n) ⁴⁶ Ca σ(E)				
1225	CAL Theo	J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁶ K(p,γ) ⁴⁷ Ca σ(E)				
1226	CAL Theo	J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁷ K(p,α) ⁴⁴ Ar σ(E)				
1227	CAL Theo	J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁷ K(p,n) ⁴⁷ Ca σ(E)				
1228	CAL Theo	J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁷ K(p,γ) ⁴⁸ Ca σ(E)				
1229	CAL Theo	J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁸ K(p,α) ⁴⁵ Ar σ(E)				
1230	CAL Theo	J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁸ K(p,n) ⁴⁸ Ca σ(E)				
1231	CAL Theo	J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁸ K(p,γ) ⁴⁹ Ca σ(E)				
1232	CAL Theo	J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁴⁹ K(p,α) ⁴⁶ Ar σ(E)					
1233	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁹ K(p,n) ⁴⁹ Ca σ(E)					
1234	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁹ K(p,γ) ⁵⁰ Ca σ(E)					
1235	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁰ K(p,x) ²⁸ Mg product yield					
1236	UPP Expt P KDK-23	9 478 1.0+2			Lundqvist+ NDG. FRM K2C03.
	Expt P NEANDC(OR)150	477 1.0+2			Lundqvist+NDG. PROD. LABELLED CMP. P.15
	Expt P NEANDC(OR)146	476 1.0+2			Lundqvist+NDG. PROD. LABELLED CMP. P.16
⁴⁰ K(p,x) ²⁸ Mg σ(E)					
1237	UPP Expt P KDK-23	9 478 NDG			Lundqvist+ NDG. MEAS. IN PROG.
	Expt P NEANDC(OR)150	477 NDG			Lundqvist+ NDG. STUDY IN PROGRESS. P.15
	Expt P NEANDC(OR)146	476 NDG			Lundqvist+ NDG. STUDY IN PROGRESS. P.16
Ca(p,absorption) σ(E)					
1238	IJI Rev J FCY	6 827 75 1.0+1 1.0+2			Nemets+ TBL. CURV.
	Rev J SJPN	6 325 76 1.0+1 1.0+2			. TRANSLATION OF FCY 6,(4),827(1975).
Ca(p,elastic) σ(E)					
1239	IJI Rev J FCY	6 827 75 1.1+1 2.2+1			Nemets+ CURV.
	Rev J SJPN	6 325 76 1.1+1 2.2+1			. TRANSLATION OF FCY 6,(4),827(75).
Ca(p,x)γ thick target yield					
1240	CLU Expt A BAP	23 926 978 1.0+0 2.7+1			Intrator+ NDG.
Ca(p,x)n thick target yield					
1241	CLU Expt A BAP	23 926 978 1.0+0 2.7+1			Intrator+ NDG. SHARP RISE ABOVE THRESH.
Ca(p,x) ³⁶ Ar σ(E)					
1242	RIC Expt J JGR	81 5689 76 1.9+1 4.4+1			Walton+ CURV.
Ca(p,x) ³⁷ Ar σ(E)					
1243	RIC Expt J JGR	81 5689 76 1.9+1 4.4+1			Walton+ CURV.
Ca(p,x) ³⁸ Ar σ(E)					
1244	RIC Expt J JGR	81 5689 76 1.9+1 4.4+1			Walton+ CURV.
Ca(p,x) ³⁹ Ar σ(E)					
1245	RIC Expt J JGR	81 5689 76 1.9+1 4.4+1			Walton+ CURV.
Ca(p,x) ⁴² Ar σ(E)					
1246	RIC Expt J JGR	81 5689 76 1.9+1 4.4+1			Walton+ TBL.
Ca(p,x) ⁴⁴ Sc σ(E)					
1247	CCP Rev J AE	42 311 77 8.0+0 1.1+1			Zatolokin+ TBL. ACTIVATION.
	Rev J SJA	42 344 077 8.0+0 1.1+1			. TRANSLATION OF AE 42(4), 311(1977).
Ca(p,x) ⁴⁴ Sc σ(E)					
1248	CCP Rev J AE	42 311 77 8.0+0 1.1+1			Zatolokin+ TBL. ACTIVATION.
	Rev J SJA	42 344 077 8.0+0 1.1+1			. TRANSLATION OF AE 42(4), 311(1977).
Ca(p,x) ⁴⁷ Sc σ(E)					
1249	RIC Expt J JGR	79 314 74 1.4+1 4.1+1			Walton+ CORR. TO JGR 78,6428(73)
	Expt J JGR	78 6428 73 1.4+1 4.1+1			. PART. SUPER. BY JGR 79,314(74).
Ca(p,x) ⁴⁸ Sc σ(E)					
1250	CCP Rev J AE	42 311 77 8.0+0 1.1+1			Zatolokin+ TBL. ACTIVATION.
	Rev J SJA	42 344 077 8.0+0 1.1+1			. TRANSLATION OF AE 42(4), 311(1977).
⁴⁰ Ca(p,absorption) σ(E)					
1251	LAS Rev S BNL-51115	513 779 6.1+0 5.2+2			De-Vries+ CURV. CFD EXPT AND MODEL
1252	TAM Theo J PR/C	19 896 379 1.0+2 1.0+5			Ernst+ CURV. IMPULSE APP.+ EIKONAL

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁴⁰ Ca(p,totl) σ(E)				
1253 LAS Theo J PRL	43 1373 N79	6.0+0	5.0+2	De-Vries+ CURV. SEMI-CLASSICAL CFD EXPT
⁴⁰ Ca(p,x) ¹⁷ N σ(E)				
1254 LIN Expt J YF	25 1140 677	1.0+3		Balist+ BORON-LOADED SCIN IN PARAFFIN.
Expt 4 EXFORA0013.002	379	1.0+3		. 1 DATA POINT.
⁴⁰ Ca(p,x) ¹⁷ N σ(E)×factor				
1255 LIN Expt J YF	25 1140 677	1.0+3		Balist+ RATIO ⁴⁰ CA/ ⁴⁴ CA.
Expt 4 EXFORA0013.003	379	1.0+3		. 1 DATA POINT.
⁴⁰ Ca(p,x) ²⁴ Na cumulative σ(E)				
1256 MCG Expt J NP/A	288 291 977	5.0+1	8.5+1	Holub+ TBL. ACTIVATION METHOD. 99.9%
Expt 4 EXFORB0082.003	179	5.0+1	8.5+1	. 5 DATA POINTS.
⁴⁰ Ca(p, ¹⁷ Ne) ²⁴ Na σ(E)				
1257 MCG Expt J NP/A	288 291 977	4.0+1	8.0+1	Holub+ CURV. CALC. AND EXPR.
⁴⁰ Ca(p,σ) ³⁷ K σ(E)				
1258 CAL Theo R OAP-422		875 8.2-1	1.6+1	Woosley+ CURV. HAUSER-FESHBACH.
1259 GRN Expt J NC/A	39 171 577	3.5+1		Collis (43.6+-6.5)MB. E/A INT.
⁴⁰ Ca(p,n+2p) ³⁸ K σ(E)				
1260 HRV Expt J PR/C	18 582 778	2.0+1	1.6+2	Sistersen+ CURV.
Expt J PR/C	18 582 778	2.0+1	1.6+2	. TBL. IN PAPS PRVCA 18-582-1
⁴⁰ Ca(p, ³ He) ³⁸ K σ(E)				
1261 KFK Comp B PH-DAT	15 2 079	2.2+1		Muenzel+ TBL. FROM EXFOR.
1262 ORL Expt J JIN	2 269 56	2.2+1		Mc-Cormick+MEASURED RESID.RADIOACTIVITY
Expt 4 EXFORB0062.002	678	2.2+1		. 2MB MAXIMUM.
⁴⁰ Ca(p,inelastic) ⁴⁰ Ca partial σ(E)				
1263 RIC Theo A DA/B	40 1234 979	5.5+0	1.1+1	Brown. NDG. 1ST 4 LEVELS. H-F THEORY.
1264 JUL Theo J NP/A	324 77 779	2.0+1	1.5+2	Wambach+ CURV. 3-. DWBA(EXACT CF PSUEDO
⁴⁰ Ca(p,inelastic) ⁴⁰ Ca compound-nucleus product yield				
1265 OSU Expt A BAP	23 13 178	7.2+0		Hausman+NDG. RESONANT STRUCTURE IN SC41
⁴⁰ Ca(p,elastic) ⁴⁰ Ca compound-nucleus product yield				
1266 OSU Expt A BAP	23 13 178	7.2+0		Hausman+NDG. RESONANT STRUCTURE IN SC41
⁴⁰ Ca(p,n) ⁴⁰ Sc σ(E)				
1267 CAL Theo R OAP-422		875 TR	1.0+1	Woosley+ CURV. HAUSER-FESHBACH.
⁴⁰ Ca(p,γ) ⁴¹ Sc product yield				
1268 MOS Revv R PHOTONUCLE	1 78 1.8+0	4.1+0		Varlamov+ NDG. TBL.
⁴⁰ Ca(p,γ) ⁴¹ Sc relative I _γ				
1269 KQU Expt J PR/C	16 132 777	1.8+0	1.9+0	Kozub+ CURV. 2.883 GAMMA.
Expt J PR/C	16 132 777	4.1+0	4.1+0	Kozub+ CURV. 4 GAMMAS.
⁴⁰ Ca(p,γ) ⁴¹ Sc σ(E)				
1270 CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
Theo R OAP-422		875 TR	1.0+1	Woosley+ CURV. HAUSER-FESHBACH.
1271 CLU Expt J AJ	205 302 76	8.5-1	4.7+0	Roughton+ TBL. COEFF. FROM FIT TO TTY.
Expt C 75WASH	1 69 375	NDG		. MORE TECHNICAL DETAILS.
⁴⁰ Ca(p,γ) ⁴¹ Sc raw σ(E)				
1272 AML Expt J NP/A	331 389 N79	5.0-1	2.0+0	Paine+ NDG. DEDUCED RES. STRENGTHS.
⁴⁰ Ca(p,γ) ⁴¹ Sc thick target yield				
1273 CLU Exth J AND	23 177 279	8.5-1	4.7+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
Expt J AJ	205 302 76	8.5-1	4.7+0	Roughton+ NDG. ALSO STELLAR REACT. RATE
Expt C 75WASH	1 69 375	8.5-1	4.7+0	Roughton+ NDG. ALSO STELLAR REAC. RATE.
Expt J AJ	193 187 074	NDG		. MORE TECHNICAL DETAILS.
Expt J AJ	188 595 374	NDG		. MORE TECHNICAL DETAILS.
⁴¹ Ca(p,γ) ⁴² Sc σ(E)				
1274 CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		Type					
			⁴² Ca(p,α) ³⁹ K σ(E)				
1275	CAL	Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422	875 5.1-1	1.0+1		Woosley+	CURV. HAUSER-FESHBACH.
			⁴² Ca(p,inelastic) ⁴² Ca relative σ(E) _y				
1276	STR	Expt J AUJ	30 417 77 2.6+0	2.7+0		Din+	CURV. THETA=55DEG. ENRICHED TARGET
			⁴² Ca(p,n) ⁴² Sc σ(E)				
1277	CAL	Theo R OAP-422	875 TR	1.2+1		Woosley+	CURV. HAUSER-FESHBACH.
1278	CRC	Expt J CJP	57 411 79 7.3+0	1.0+1		Jackson+	NDG. SEARCH FOR 0- ISOMERS.
			⁴² Ca(p,γ) ⁴³ Sc product yield				
1279	MOS	Revw R PHOTONUCLE	1 78 1.8+0	4.1+0		Varlamov+	NDG. TBL. FROM 0-90 DEG DATA.
			⁴² Ca(p,γ) ⁴³ Sc σ(E)				
1280	CAL	Theo J AND	22 371 N70 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422	875 TR	1.2+1		Woosley+	CURV. HAUSER-FESHBACH.
1281	TOR	Expt J JP/G	5 1261 979 6.7-1	5.5+0		Cheng+	TBL. CURV. CORRECTED VALUES.
		Expt J NP/A	309 506 078 8.0-1	5.9+0		Vlieks+	CURV. RESIDUAL ACTIVITY.
			⁴² Ca(p,γ) ⁴³ Sc relative σ(E)				
1282	STR	Expt J AUJ	30 417 77 2.6+0	2.7+0		Din+	CURV. THETA=55DEG. ENRICHED TARGET
			⁴² Ca(p,γ) ⁴³ Sc partial relative σ(E)				
1283	STR	Expt J AUJ	30 417 77 2.6+0			Din+	TBL. LEG COEF. ENRICHED TARGET.
			⁴³ Ca(p,α) ⁴⁰ K σ(E)				
1284	CAL	Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422	875 6.1-1	1.0+1		Woosley+	CURV. HAUSER-FESHBACH.
			⁴³ Ca(p,2p) ⁴² K σ(E)				
1285	KFK	Comp B PH-DAT	15 2 079 2.2+1			Muenzel+	TBL. FROM EXFOR.
1286	ORL	Expt J PR	99 723 55 2.2+1			Cohen+	TBL. RESIDUAL ACTIVITY.
		Expt 4 EXFORB0049.009	77 2.2+1				. 15MB. AVE. UNC.=20%. CALIB. UNC.=15%.
			⁴³ Ca(p,n) ⁴³ Sc σ(E)				
1287	CAL	Theo R OAP-422	875 TR	1.0+1		Woosley+	CURV. HAUSER-FESHBACH.
			⁴³ Ca(p,γ) ⁴⁴ Sc σ(E)				
1288	CAL	Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422	875 TR	1.0+1		Woosley+	CURV. HAUSER-FESHBACH.
			⁴⁴ Ca(p,absorption) σ(E)				
1289	TAM	Theo J PR/C	19 896 379 1.0+2	1.0+5		Ernst+	CURV. IMPULSE APP.+ EIKONAL
			⁴⁴ Ca(p,x) ¹⁷ N σ(E)				
1290	LIN	Expt J YF	25 1140 677 1.0+3			Batist+	BORON-LOADED SCIN IN PARAFFIN.
		Expt 4 EXFORA0013.002	379 1.0+3				. 1 DATA POINT.
			⁴⁴ Ca(p,x) ¹⁷ N σ(E)=factor				
1291	LIN	Expt J YF	25 1140 677 1.0+3			Batist+	RATIO 40CA/44CA.
		Expt 4 EXFORA0013.003	379 1.0+3				. 1 DATA POINT.
			⁴⁴ Ca(p,α) ⁴¹ K σ(E)				
1292	CAL	Theo R OAP-422	875 5.1-1	1.1+1		Woosley+	CURV. HAUSER-FESHBACH.
			⁴⁴ Ca(p, ³ He) ⁴² K σ(E)				
1293	KFK	Comp B PH-DAT	15 2 079 2.2+1			Muenzel+	TBL. FROM EXFOR.
1294	ORL	Expt J JIN	2 269 56 2.2+1			Mc-Cormick+	MEASURED RESID. RADIOACTIVITY
		Expt 4 EXFORB0062.003	678 2.2+1				. 1MB MAXIMUM.
			⁴⁴ Ca(p,2p) ⁴³ K thick target yield				
1295	UJV	Comp R UJF-4199-B	277 1.2+1			Bem+	NDG. POSSIBLE SOURCE OF K43
			⁴⁴ Ca(p,2p) ⁴³ K σ(E)				
1296	KFK	Comp B PH-DAT	15 2 079 2.2+1			Muenzel+	TBL. FROM EXFOR.
1297	ORL	Expt J PR	99 723 55 2.2+1			Cohen+	TBL. RESIDUAL ACTIVITY.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁴⁴ Ca(p,2p) ⁴³ K	σ(E)			
1297 ORL Expt 4	EXFORB0049.010	77	2.2+1	5.0MB. AVE. UNC.=20%. CALIB. UNC.=15%
⁴⁴ Ca(p,n) ⁴⁴ Sc	σ(E)			
1298 CAL Theo R	OAP-422	875	TR	1.0+1 Woosley+ CURV. HAUSER-FESHBACH.
1299 TOR Expt J	JP/G 5	1261	979 4.5+0	7.6+0 Cheng+ TBL. CURV. ACTIV. CFD WOOSLEY+
⁴⁴ Ca(p,γ) ⁴⁵ Sc	σ(E)			
1300 CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R	OAP-422	875	TR 1.0+1 Woosley+ CURV. HAUSER-FESHBACH.
⁴⁴ Ca(p,γ) ⁴⁵ Sc	relative σ(E)			
1301 CBR Expt J	NC/A 52	175	779 1.6+0	1.7+0 Awai+ NDG. GAMMA-YIELD CURVE.
	Expt J	NC/A 52	175	779 1.6+0 1.6+0 Awai+ TBL. CURV. AT 1.644, 1.650 RES.
⁴⁵ Ca(p,γ) ⁴⁶ Sc	σ(E)			
1302 CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁶ Ca(p,α) ⁴³ K	σ(E)			
1303 CAL Theo R	OAP-422	875	5.1-1	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
⁴⁶ Ca(p,n) ⁴⁶ Sc	σ(E)			
1304 CAL Theo R	OAP-422	875	TR	1.0+1 Woosley+ CURV. HAUSER-FESHBACH.
⁴⁶ Ca(p,γ) ⁴⁷ Sc	σ(E)			
1305 CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R	OAP-422	875	TR 1.0+1 Woosley+ CURV. HAUSER-FESHBACH.
⁴⁷ Ca(p,n) ⁴⁷ Sc	σ(E)			
1306 CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁷ Ca(p,γ) ⁴⁸ Sc	σ(E)			
1307 CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁸ Ca(p,absorption)	σ(E)			
1308 TAM Theo J	PR/C 19	896	379 1.0+2	1.0+5 Ernst+ CURV. IMPULSE APP.+ EIKONAL
⁴⁸ Ca(p,α) ⁴⁵ K	σ(E)			
1309 CAL Theo R	OAP-422	875	5.1-1	1.3+1 Woosley+ CURV. HAUSER-FESHBACH.
⁴⁸ Ca(p,n) ⁴⁸ Sc	σ(E)			
1310 CAL Theo R	OAP-422	875	TR	1.0+1 Woosley+ CURV. HAUSER-FESHBACH.
1311 CAL Expt J	NP/A 315	430	379 9.6-1	2.7+0 Zyskind+ CURV. BF3 LCONT. ASSUMED ISOTR
	Expt J	NP/A 315	430	379 9.6-1 2.7+0 Zyskind+ CURV. SMOOTHED OVER 4 OR 5 PTS
	Expt J	NP/A 315	430	379 9.6-1 3.1+0 Zyskind+ CURV. 2 H-F MODEL CALCULATIONS
1312 AML Expt J	JP/G 5	399	79 1.1+0	2.2+0 Kennell+ CURV. 40KEV STEPS. BF3 COUNT.
1313 TRM Expt P	INDC(SEC)-6190	077	1.8+0	5.0+0 Singh+ NDG. STUDIED IAR.
1314 INU Theo J	PR/C 20	1272	079 4.0+0	5.0+0 Kailas+ CURV. OM FIT TO EXP. DATA.
⁴⁸ Ca(p,n) ⁴⁸ Sc	partial σ(E)			
1315 AML Expt J	JP/G 5	399	79 1.1+0	2.2+0 Kennell+ CURV. N3,5,6. FROM PROMPT GS.
⁴⁸ Ca(p,n) ⁴⁸ Sc	average σ(E)			
1316 ORL Expt J	PR/B 136	1719	064 6.4-1	1.3+0 Johnson+ CURV. FROM 1952 MEASUREMENT.
⁴⁸ Ca(p,γ) ⁴⁹ Sc	σ(E)			
1317 CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R	OAP-422	875	TR 1.0+1 Woosley+ CURV. HAUSER-FESHBACH.
1318 CAL Expt J	NP/A 315	430	379 5.8-1	2.7+0 Zyskind+ CURV. SUM 3 GS EXCLUDING G0.
	Expt J	NP/A 315	430	379 5.8-1 2.7+0 Zyskind+ CURV. SMOOTHED OVER 4 OR 5 PTS
	Expt J	NP/A 315	430	379 5.8-1 3.5+0 Zyskind+ CURV. TWO H-F CALCULATIONS.
1319 AML Expt J	JP/G 5	399	79 7.6-1	2.2+0 Kennell+ CURV. 40KEV STEPS. 2 GS DETECT
⁴⁸ Ca(p,γ) ⁴⁹ Sc	partial σ(E)			
1320 CAL Expt J	NP/A 315	430	379 5.8-1	2.7+0 Zyskind+ NDG. G0 LT 1% EXCEPT AT 1AR15%

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
			⁴⁸ Ca(p,γ) ⁴⁸ Sc	cumulative? σ(E)			
1321	LRL	Expt J	NP/A 259	75	76 6.0+0	6.2+0 Dietrich+	4PI*SIGMA(THETA=55 DEGREES)
			⁴⁸ Ca(p,xn)Isotopic distribution	σ(E)			
1322	NRL	Theo J	AJ/S 35	129	077 4.0+2	Silberberg+ CURV. X=1-4. 4 REFERENCES.	
			⁴⁹ Ca(p,n) ⁴⁹ Sc	σ(E)			
1323	CAL	Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.	
		Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR	
			⁴⁹ Ca(p,γ) ⁵⁰ Sc	σ(E)			
1324	CAL	Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.	
		Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR	
			⁴⁴ Ca(p,x) ³ He	σ(E)			
1325	RIC	Expt J	JGR 81	5689	76 1.9+1	4.4+1 Walton+	TBL. CMP=CAF2.
			⁴⁴ Ca(p,x) ⁴ He	σ(E)			
1326	RIC	Expt J	JGR 81	5689	76 1.9+1	4.4+1 Walton+	TBL. CMP=CAF2.
			⁴⁰ Ca(p,x) ³⁶ Ar	spectrum average thick target yield			
1327	RIC	Theo J	JGR 81	5701	76 SCR	Walton+ TBL.E<=200.<Z>=13.1XCA.99%INERT	
		Theo J	JGR 81	5701	76 SCR	Walton+ TBL.E<= 45.<Z>=13.1XCA.99%INERT	
		Theo J	JGR 81	5701	76 GCR	Walton+ TBL. <Z>=13. 1XCA. 99%INERT.	
			⁴⁰ Ca(p,x) ³⁷ Ar	spectrum average thick target yield			
1328	RIC	Theo J	JGR 81	5701	76 SCR	Walton+ TBL.E<=200.<Z>=13.1XCA.99%INERT	
		Theo J	JGR 81	5701	76 SCR	Walton+ TBL.E<= 45.<Z>=13.1XCA.99%INERT	
			⁴⁰ Ca(p,x) ⁴⁴ Sc	σ(E)xfactor			
1329	CLU	Expt J	MED 4	58	177 5.5+0	9.0+0 Edwards+CURV.	BLOOD.SC48/SC44(6 HR COOL)
		Expt J	MED 4	58	177 5.8+0	Edwards+CURV. SC48/SC44 AS FUNC OF CA48	
			⁴⁰ Ca(p,x) ⁴⁸ Sc	σ(E)xfactor			
1330	CLU	Expt J	MED 4	58	177 5.5+0	9.0+0 Edwards+CURV.	BLOOD.SC48/SC44(6 HR COOL)
		Expt J	MED 4	58	177 5.8+0	Edwards+CURV. SC48/SC44 AS FUNC OF CA48	
			⁴³ Sc(p,α) ⁴⁰ Ca	σ(E)			
1331	CAL	Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.	
		Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR	
			⁴³ Sc(p,γ) ⁴⁴ Ti	σ(E)			
1332	CAL	Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.	
		Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR	
			⁴⁴ Sc(p,α) ⁴¹ Ca	σ(E)			
1333	CAL	Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.	
		Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR	
			⁴⁴ Sc(p,γ) ⁴⁵ Ti	σ(E)			
1334	CAL	Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.	
		Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR	
			⁴⁵ Sc(p,absorption)	σ(E)			
1335	IJI	Revw J	FCY 6	827	75 6.8+0	9.9+1 Nemets+	TBL.
		Revw J	SJPN 6	325	76 6.8+0	9.9+1	. TRANSLATION OF FCY 6.(4).827(1975).
1336	OSU	Expt J	NP 64	513	65 6.8+0	Dell+ TBL. SUM OF P+A EXCL. ELAS.	
			⁴⁵ Sc(p,total)	σ(E)			
1337	OSU	Expt J	NP 64	513	65 6.8+0	Dell+ TBL. CALC. FROM NON-ELASTIC	
			⁴⁵ Sc(p,x) ²⁴ Na	cumulative σ(E)			
1338	MCG	Expt J	NP/A 288	291	977 5.5+1	8.5+1 Holub+	TBL. ACTIVATION METHOD.
		Expt 4	EXFORB0082.004	179	5.5+1	8.5+1	. 5 DATA POINTS.
			⁴⁵ Sc(p, ²² Na) ²⁴ Na	σ(E)			
1339	MCG	Expt J	NP/A 288	291	977 4.0+1	8.5+1 Holub+	CURV. CALC. AND EXPR.
			⁴⁵ Sc(p,x) ³⁶ Ar	σ(E)			
1340	GRA	Expt J	PR/C 20	1517	079 8.0+1	2.4+4 Regnier.	TBL.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
			⁴⁵ Sc(p,x) ³⁶ Ar σ(E)×factor				
1341	GRA	Expt J	PR/C 20 1517 079	8.0+1	2.4+4	Regnier.	TBL. ARGON ISOTOPE RATIOS.
			⁴⁵ Sc(p,x) ³⁸ Ar σ(E)				
1342	GRA	Expt J	PR/C 20 1517 079	8.0+1	2.4+4	Regnier.	TBL.
			⁴⁵ Sc(p,x) ³⁸ Ar σ(E)×factor				
1343	GRA	Expt J	PR/C 20 1517 079	8.0+1	2.4+4	Regnier.	TBL. ARGON ISOTOPE RATIOS.
			⁴⁵ Sc(p,x) ³⁸ Ar σ(E)				
1344	GRA	Expt J	PR/C 20 1517 079	8.0+1	2.4+4	Regnier.	TBL.
			⁴⁵ Sc(p,x) ³⁸ Ar σ(E)×factor				
1345	GRA	Expt J	PR/C 20 1517 079	8.0+1	2.4+4	Regnier.	TBL. ARGON ISOTOPE RATIOS.
			⁴⁵ Sc(p,4p) ⁴² Ar σ(E)				
1346	GRA	Expt J	PR/C 20 1517 079	8.0+1	2.4+4	Regnier.	TBL.
			⁴⁵ Sc(p,4p) ⁴² Ar σ(E)×factor				
1347	GRA	Expt J	PR/C 20 1517 079	8.0+1	2.4+4	Regnier.	TBL. ARGON ISOTOPE RATIOS.
			⁴⁵ Sc(p,n+3p) ⁴² K σ(E)				
1348	MCG	Expt J	NP/A 150 11 70 1.0+1	8.5+1	Mc-Gee+	TBL.	CURV. ACTIVATION METHOD.
		Expt 4	EXFORB0053.011 77 4.0+1	8.5+1	.	6 DATA POINTS.	
1349	KFK	Comp B	PH-DAT 15 2 079 4.0+1	8.5+1	Muenzel+	TBL.	FROM EXFOR.
			⁴⁵ Sc(p,3p) ⁴³ K σ(E)				
1350	MCG	Expt J	NP/A 150 11 70 1.0+1	8.5+1	Mc-Gee+	TBL.	CURV. ACTIVATION METHOD.
		Expt 4	EXFORB0053.010 77 4.0+1	8.5+1	.	6 DATA POINTS.	
1351	KFK	Comp B	PH-DAT 15 2 079 4.0+1	8.5+1	Muenzel+	TBL.	FROM EXFOR.
			⁴⁵ Sc(p,α) ⁴² Ca σ(E)				
1352	CAL	Theo J	AND 22 371 N78 NDG		Woosley+	NDG.	SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22 371 N78 NDG		.	TBL OF STAT. THERMONUC. REAC. RT. PAR	
		Theo R	OAP-422 875 8.2-1	8.2+0	Woosley+	CURV. HAUSER-FESHBACH.	
			⁴⁵ Sc(p,n+p) ^{44g} Sc σ(E)				
1353	MCG	Expt J	NP/A 150 11 70 1.0+1	8.5+1	Mc-Gee+	TBL.	CURV. ACTIVATION METHOD.
		Expt 4	EXFORB0053.009 77 1.5+1	8.5+1	.	11 DATA POINTS.	
1354	KFK	Comp B	PH-DAT 15 2 079 1.5+1	8.5+1	Muenzel+	TBL.	FROM EXFOR.
			⁴⁵ Sc(p,n+p) ^{44g} Sc σ(E)				
1355	MCG	Expt J	NP/A 150 11 70 1.0+1	8.5+1	Mc-Gee+	TBL.	CURV. ACTIVATION METHOD.
		Expt 4	EXFORB0053.009 77 1.5+1	8.5+1	.	11 DATA POINTS.	
1356	KFK	Comp B	PH-DAT 15 2 079 1.5+1	8.5+1	Muenzel+	TBL.	FROM EXFOR.
			⁴⁵ Sc(p,n+p) ^{44g+g} Sc summation σ(E)				
1357	MCG	Expt J	NP/A 150 11 70 1.0+1	8.5+1	Mc-Gee+	TBL.	CURV. ACTIVATION METHOD.
		Expt 4	EXFORB0053.009 77 1.5+1	8.5+1	.	11 DATA POINTS.	
1358	KFK	Comp B	PH-DAT 15 2 079 1.5+1	8.5+1	Muenzel+	TBL.	FROM EXFOR.
			⁴⁵ Sc(p,inelastic) ⁴⁵ Sc I _γ				
1359	DEB	Expt P	INDC(SEC)-6181 077 2.0+0	4.0+0	Dang+	NDG.	48 GAMMA RAYS.
		Expt P	INDC(SEC)-50 176 2.0+0	4.0+0	Dang+	NDG.	48 GAMMA RAYS STUD. P. 113
			⁴⁵ Sc(p,2n) ⁴⁴ Ti Independent thick target yield				
1360	FEI	Expt J	AE 34 404 573 1.4+1	2.2+1	Dmitriev+		
		Expt J	SJA 34 497 573 1.4+1	2.2+1	.	TRANSLATION OF AF 34, 404(1973).	
		Expt 4	EXFORA0021.002 379 1.4+1	2.2+1	.	6 DATA POINTS.	
			⁴⁵ Sc(p,2n) ⁴⁴ Ti σ(E)				
1361	MCG	Expt J	NP/A 150 11 70 1.0+1	8.5+1	Mc-Gee+	TBL.	CURV. ACTIVATION METHOD.
		Expt 4	EXFORB0053.008 77 1.5+1	8.5+1	.	10 DATA POINTS.	
1362	KFK	Comp B	PH-DAT 15 2 079 1.5+1	8.5+1	Muenzel+	TBL.	FROM EXFOR.
			⁴⁵ Sc(p,x) ⁴⁵ Ti σ(E)				
1363	CCP	Revw J	AE 42 311 77 8.0+0	1.1+1	Zelolokin+	TBL.	ACTIVATION.
		Revw J	SJA 42 344 077 8.0+0	1.1+1	.	TRANSLATION OF AE 42(4), 311(1977).	
			⁴⁵ Sc(p,n) ⁴⁵ Ti σ(E)				
1364	BNL	Revw C	63HOUSTO 3 63 NDG		Goldberg.	NDG.	

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
⁴⁵ Sc(p,n) ⁴⁵ Ti σ(E)							
1365	CAL	Theo R	OAP-422	875 TR	1.1+1	Woosley+	CURV. HAUSER-FESHBACH.
1366	KFK	Comp B	PH-DAT 15	2 079	3.3+0	8.5+0	Muenzel+ TBL. FROM EXFOR.
1367	OSU	Expt J	NP 64	513 65	3.3+0	6.8+0	Dell+ TBL. CURV. STACKED FOILS.
		Expt J	PR 130	1522 563	6.8+0		Humes+ MEASURED RESIDUAL RADIATION
		Expt 4	EXFORB0061.002	070	0.0+0		. 170+-9MB
		Expt 4	EXFORB0064.002	678	3.3+0	6.8+0	. 11 DATA POINTS.
1368	LAS	Theo P	LA- 6754-PR 3	377	3.5+0	2.8+1	Arthur. CURV. GNASH CODE. CFD EXP.
1369	INU	Theo J	PR/C 20	1272 079	4.0+0	5.0+0	Kailas+ CURV. OM FIT TO EXP. DATA.
1370	MCG	Expt J	NP/A 150	11 70	1.0+1	8.5+1	Mc-Gee+ TBL. CURV. ACTIVATION METHOD.
		Expt 4	EXFORB0053.007	77	1.0+1	8.5+1	. 11 DATA POINTS.
1371	ORL	Expt J	PR 100	1340 055	1.2+1		Blosser+ TBL. CURV.
		Expt 4	EXFORB0052.002	77	1.2+1		. (350+-130)MB.
⁴⁵ Sc(p,γ) ⁴⁶ Ti raw σ(E)							
1372	AML	Expt J	NP/A 312	140 078	1.2+0	1.5+0	Solomon+ CURV. GE(L1) AT 55 DEG.
⁴⁶ Sc(p,γ) ⁴⁶ Ti σ(E)							
1373	CAL	Theo J	AND 22	371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422	875 TR	1.1+1	Woosley+	CURV. HAUSER-FESHBACH.
1374	AML	Expt J	NP/A 312	140 078	7.0-1	4.2+0	Solomon+ CURV. STAT. MODEL ANALYSIS.
⁴⁶ Sc(p,γ) ⁴⁶ Ti product yield							
1375	RAM	Expt P	INDC(SEC)-5013	176	1.2+0	3.0+0	Rahman+ NDG. STUDIED IAS OF SC46.
⁴⁶ Sc(p,α) ⁴³ Ca σ(E)							
1376	CAL	Theo J	AND 22	371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁶ Sc(p,n) ⁴⁶ Ti σ(E)							
1377	CAL	Theo J	AND 22	371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁶ Sc(p,γ) ⁴⁷ Ti σ(E)							
1378	CAL	Theo J	AND 22	371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁷ Sc(p,α) ⁴⁴ Ca σ(E)							
1379	CAL	Theo J	AND 22	371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁷ Sc(p,γ) ⁴⁸ Ti σ(E)							
1380	CAL	Theo J	AND 22	371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁸ Sc(p,α) ⁴⁵ Ca σ(E)							
1381	CAL	Theo J	AND 22	371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁸ Sc(p,n) ⁴⁸ Ti σ(E)							
1382	CAL	Theo J	AND 22	371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁸ Sc(p,γ) ⁴⁹ Ti σ(E)							
1383	CAL	Theo J	AND 22	371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁹ Sc(p,α) ⁴⁶ Ca σ(E)							
1384	CAL	Theo J	AND 22	371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁹ Sc(p,n) ⁴⁹ Ti σ(E)							
1385	CAL	Theo J	AND 22	371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁹ Sc(p,γ) ⁵⁰ Ti σ(E)							
1386	CAL	Theo J	AND 22	371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab	Work	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		Type				
$^{90}\text{Sc}(p,\alpha)^{47}\text{Ca}$ $\sigma(E)$						
1387	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{90}\text{Sc}(p,n)^{90}\text{Ti}$ $\sigma(E)$						
1388	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{90}\text{Sc}(p,\gamma)^{91}\text{Ti}$ $\sigma(E)$						
1389	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{91}\text{Sc}(p,\alpha)^{48}\text{Ca}$ $\sigma(E)$						
1390	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{91}\text{Sc}(p,n)^{91}\text{Ti}$ $\sigma(E)$						
1391	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{91}\text{Sc}(p,\gamma)^{92}\text{Ti}$ $\sigma(E)$						
1392	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$\text{Ti}(p,\text{absorption})$ $\sigma(E)$						
1393	IJI	Revu J FCY	6	827	75 9.2+0 9.9+1	Nemets+ TBL.
		Revu J SJPN	6	325	76 9.2+0 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).
1394	MNA	Expt A BAP	21	789	76 2.0+1 5.0+1	Nasr+ NDG.
$\text{Ti}(p,x)\gamma$ thick target yield						
1395	CCP	Expt R YK-	21	73	76 1.2+1 2.3+1	Malusevich+ CURV. TBL. THETA = 0 DEG.
		Expt R INDC(CCP)-103	577	1.2+1	2.3+1	.TRANSLATION OF T. OF C.(YK 21,73(1976)
$\text{Ti}(p,x)^{38}\text{Ar}$ $\sigma(E)$						
1396	GRA	Expt J PR/C	20	1517	079 1.5+2 2.4+4	Regnier. TBL.
$\text{Ti}(p,x)^{38}\text{Ar}$ $\sigma(E)=\text{factor}$						
1397	GRA	Expt J PR/C	20	1517	079 1.5+2 2.4+4	Regnier. TBL. ARGON ISOTOPE RATIOS.
$\text{Ti}(p,x)^{38}\text{Ar}$ $\sigma(E)$						
1398	GRA	Expt J PR/C	20	1517	079 1.5+2 2.4+4	Regnier. TBL.
$\text{Ti}(p,x)^{38}\text{Ar}$ $\sigma(E)=\text{factor}$						
1399	GRA	Expt J PR/C	20	1517	079 1.5+2 2.4+4	Regnier. TBL. ARGON ISOTOPE RATIOS.
$\text{Ti}(p,x)^{39}\text{Ar}$ $\sigma(E)$						
1400	GRA	Expt J PR/C	20	1517	079 1.5+2 2.4+4	Regnier. TBL.
$\text{Ti}(p,x)^{39}\text{Ar}$ $\sigma(E)=\text{factor}$						
1401	GRA	Expt J PR/C	20	1517	079 1.5+2 2.4+4	Regnier. TBL. ARGON ISOTOPE RATIOS.
$\text{Ti}(p,x)^{42}\text{Ar}$ $\sigma(E)$						
1402	GRA	Expt J PR/C	20	1517	079 1.5+2 2.4+4	Regnier. TBL.
$\text{Ti}(p,x)^{42}\text{Ar}$ $\sigma(E)=\text{factor}$						
1403	GRA	Expt J PR/C	20	1517	079 1.5+2 2.4+4	Regnier. TBL. ARGON ISOTOPE RATIOS.
$\text{Ti}(p,x)^{42}\text{K}$ $\sigma(E)$						
1404	KLN	Expt P JUEL-197G	28	76	NDG	Herr+ NDG. STACKED-FOILS.
$\text{Ti}(p,x)^{43}\text{K}$ $\sigma(E)$						
1405	KLN	Expt P JUEL-1976	28	76	NDG	Herr+ NDG. STACKED-FOILS.
$\text{Ti}(p,x)^{43}\text{K}$ cumulative? $\sigma(E)$						
1406	KLN	Expt J JIN	40	1845	78 3.5+1 4.5+1	Michel+TBL.CURV.8 PROD.STCKD FOIL.THEOR
		Expt 4 EXFORB0100.008	779	3.5+1	4.5+1	. 6 DATA POINTS.
$\text{Ti}(p,x)^{43}\text{Sc}$ $\sigma(E)$						
1407	KLN	Expt P JUEL-1976	28	76	NDG	Herr+ NDG. STACKED-FOILS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		Ti(p,x) ⁴³ Sc cumulative σ(E)			
1408	KLN Expt J JIN	40 1845	78 1.3+1	4.5+1	Michel+TBL.CURV.8 PROD.STCKD FOIL.THEOR
	Expt 4 EXFORB0100.007	779	1.3+1	4.5+1	. 22 DATA POINTS
		Ti(p,x) ⁴⁴ Sc σ(E)			
1409	KLN Expt J JIN	40 1845	78 1.3+1	4.5+1	Michel+TBL.CURV.8 PROD.STCKD FOIL.THEOR
	Expt 4 EXFORB0100.006	779	1.3+1	4.5+1	. 22 DATA POINTS
		Ti(p,x) ⁴⁴ Sc σ(E)			
1410	KLN Expt J JIN	40 1845	78 1.3+1	4.5+1	Michel+TBL.CURV.8 PROD.STCKD FOIL.THEOR
	Expt 4 EXFORB0100.006	779	1.3+1	4.5+1	. 22 DATA POINTS
		Ti(p,x) ⁴⁶ Sc including metastable σ(E)			
1411	KLN Expt J JIN	40 1845	78 1.3+1	4.5+1	Michel+TBL.CURV.8 PROD.STCKD FOIL.THEOR
	Expt 4 EXFORB0100.005	779	1.3+1	4.5+1	. 22 DATA POINTS
		Ti(p,x) ⁴⁷ Sc σ(E)			
1412	KLN Expt J JIN	40 1845	78 1.3+1	4.5+1	Michel+TBL.CURV.8 PROD.STCKD FOIL.THEOR
	Expt 4 EXFORB0100.004	779	1.3+1	4.5+1	. 22 DATA POINTS
		Ti(p,x) ⁴⁸ Sc σ(E)			
1413	KLN Expt J JIN	40 1845	78 1.9+1	4.5+1	Michel+TBL.CURV.8 PROD.STCKD FOIL.THEOR
	Expt 4 EXFORB0100.003	779	1.9+1	4.5+1	. 18 DATA POINTS.
		Ti(p,x) ⁴⁴ Ti σ(E)			
1414	JUL Expt P JUEL-SPEZ-3620	479	2.0+1	4.5+1	Michel+ CURV. STACKED FOILS.
		Ti(p,x) ⁴⁸ V σ(E)			
1415	CCP Revv J AE	42 311	77 8.0+0	1.1+1	Zatolokin+ TBL. ACTIVATION.
	Revv J SJA	42 344	077 8.0+0	1.1+1	. TRANSLATION OF AE 42(4), 311(1977).
1416	KLN Expt J JIN	40 1845	78 1.3+1	4.5+1	Michel+TBL.CURV.8 PROD.STCKD FOIL.THEOR
	Expt 4 EXFORB0100.002	779	1.3+1	4.5+1	. 22 DATA POINTS.
1417	RIC Expt J JGR	81 5689	76 1.7+1	4.3+1	Walton+ TBL. DEDUCED FROM SS-302 MEAS.
	Expt J JGR	79 314	74 1.7+1	4.3+1	. PART. SUPER. CORR. TO JGR 78.6+28(73)
	Expt J JGR	78 6428	73 1.7+1	4.3+1	. PART. SUPER. BY JGR 79.314(74)
		⁴⁸ Ti(p,γ) ⁴⁸ V σ(E)			
1418	CAL Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁸ Ti(p,t+α) ⁴⁰ Ca partial σ(E)=factor			
1419	PTN Expt J PR/C	17 2071	678	4.2+1	Freedman+ TBL. A DCY BR OF 9.34+9.30LVL
		⁴⁸ Ti(p,x) ⁴² Sc σ(E)			
1420	MSU Exth S CERN-76-13	258	676	2.2+1 3.4+1	Edmiston+ CURV. ALICE.
		⁴⁸ Ti(p,t+p) ⁴³ Sc partial σ(E)=factor			
1421	PTN Expt J PR/C	17 2071	678	4.2+1	Freedman+ TBL. P DCY BR OF 9.34+9.30LVL
		⁴⁸ Ti(p,α) ⁴³ Sc σ(E)			
1422	CAL Theo R OAP-422		875	8.2-1 1.4+1	Woosley+ CURV. HAUSER-FESHBACH.
		⁴⁸ Ti(p,2n+p) ⁴⁴ Ti σ(E)			
1423	JUL Expt P JUEL-SPEZ-3620	479	2.8+1	4.5+1	Michel+ CURV. OVER-LAID ALICE.
		⁴⁸ Ti(p,t) ⁴⁴ Ti partial σ(E)=factor			
1424	PTN Expt J PR/C	17 2071	678	4.2+1	Freedman+ TBL. G DCY BR OF 9.338MEV LVL
		⁴⁸ Ti(p,inelastic) ⁴⁶ Ti partial σ(E) _γ =factor			
1425	IJI Expt J YF	24 461	976	1.8+0 3.0+0	Krivonosov+CURV.889+367KEV LEV.THETA=56
	Expt J SNP	24 239	77	1.8+0 3.0+0	.TRANSLATION OF YF 24(3), 461(1976).
		⁴⁸ Ti(p,2n) ⁴⁵ V σ(E)			
1426	MSU Exth S CERN-76-13	258	676	2.2+1 3.4+1	Edmiston+ CURV. ALICE.
		⁴⁸ Ti(p,n) ⁴⁶ V σ(E)			
1427	KTY Expt P DOE-NDC-12	97 478	NDG		Flynn+ NDG. TO BE DONE.
1428	CAL Theo R OAP-422		875	TR 1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
1429	CRC Expt J CJP	57 411	79	7.3+0 1.0+1	Jackson+ CURV. SEARCH FOR 0- ISOMERS.
1430	MSU Exth S CERN-76-13	258	676	2.0+1 3.4+1	Edmiston+ CURV. ALICE.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{46}\text{Ti}(p,\gamma)^{47}\text{V} \quad \sigma(E)$							
1431	CAL	Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422	875 TR		1.1+1	Woosley+	CURV. HAUSER-FESHBACH.
1432	CLU	Expt J AJ	205 302 76 7.0-1	3.5+0		Roughlon+	TBL. COEFF. FROM FIT TO TTY.
		Expt C 75WASH	1 69 375 NDG				. MORE TECHNICAL DETAILS.
$^{46}\text{Ti}(p,\gamma)^{47}\text{V} \quad \text{thick target yield}$							
1433	CLU	Exth J AND	23 177 279 7.0-1	3.5+0		Roughlon+	TBL. ALSO STELLAR REACT. RATE
		Expt J AJ	205 302 76 7.0-1	3.5+0		Roughlon+	NDG. ALSO STELLAR REACT. RATE
		Expt C 75WASH	1 69 375 7.0-1	3.5+0		Roughlon+	NDG. ALSO STELLAR REACT. RATE.
		Expt J AJ	188 595 374 7.0-1	3.6+0		Roughlon+	CURV. ALSO STELLAR REACT. RATE
$^{47}\text{Ti}(p,\alpha)^{44}\text{Sc} \quad \sigma(E)$							
1434	CAL	Theo R OAP-422	875 8.2-1	1.3+1		Woosley+	CURV. HAUSER-FESHBACH.
$^{47}\text{Ti}(p,3n+p)^{44}\text{Ti} \quad \sigma(E)$							
1435	JUL	Expt P JUEL-SPEZ-3620	479 4.0+1	4.5+1		Michel+	CURV. OVER-LAID ALICE.
$^{47}\text{Ti}(p,n)^{47}\text{V} \quad \sigma(E)$							
1436	CAL	Theo R OAP-422	875 TR		1.1+1	Woosley+	CURV. HAUSER-FESHBACH.
1437	KFK	Comp B PH-DAT	15 2 079 4.2+0	1.4+1		Muenzel+	TBL. FROM EXFOR.
1438	TOK	Expt J JPJ	14 1269 59 4.2+0	1.4+1		Tanaka+	CURV. NATURAL FOIL.
		Expt 4 EXFORB0043.003	77 4.2+0	1.4+1			. 17 DATA POINTS.
1439	ROC	Expt J PR	125 291 62 4.9+0	6.7+0		Taketani+	NATURAL FOIL.
		Expt 4 EXFORB0051.002	77 4.8+0	6.6+0			. 6 POINTS. CPX DATA CORRECTED BY COMP
$^{47}\text{Ti}(p,\gamma)^{48}\text{V} \quad \sigma(E)$							
1440	CAL	Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422	875 TR		1.1+1	Woosley+	CURV. HAUSER-FESHBACH.
1441	CLU	Expt J AJ	205 302 76 8.5-1	3.8+0		Roughlon+	TBL. COEFF. FROM FIT TO TTY.
		Expt C 75WASH	1 69 375 NDG				. MORE TECHNICAL DETAILS.
$^{47}\text{Ti}(p,\gamma)^{48}\text{V} \quad \text{thick target yield}$							
1442	CLU	Exth J AND	23 177 279 8.5-1	3.8+0		Roughlon+	TBL. ALSO STELLAR REACT. RATE
		Expt J AJ	205 302 76 8.5-1	3.8+0		Roughlon+	NDG. ALSO STELLAR REACT. RATE
		Expt C 75WASH	1 69 375 8.5-1	3.8+0		Roughlon+	NDG. ALSO STELLAR REACT. RATE.
		Expt J AJ	188 595 374 8.5-1	3.8+0		Roughlon+	CURV. ALSO STELLAR REACT. RATE
$^{48}\text{Ti}(p,x)^{24}\text{Na} \quad \text{cumulative } \sigma(E)$							
1443	MCG	Expt J NP/A	288 291 977 4.5+1	8.5+1		Holub+	TBL. ACT. METH. 99.1% PC(DIKSIC)
		Expt W DIKSIC	977 4.5+1	8.5+1			. SEE NP/A 288 ,291 (1977).
		Expt 4 EXFORB0082.005	179 4.5+1	8.5+1			. 7 DATA POINTS.
$^{48}\text{Ti}(p,^{24}\text{Na})^{25}\text{Mg} \quad \sigma(E)$							
1444	MCG	Expt J NP/A	288 291 977 4.0+1	9.0+1		Holub+	CURV. CALC. AND EXPR.
$^{48}\text{Ti}(p,\alpha)^{45}\text{Sc} \quad \sigma(E)$							
1445	CAL	Theo R OAP-422	875 5.1-1	1.3+1		Woosley+	CURV. HAUSER-FESHBACH.
$^{48}\text{Ti}(p,n+p)^{47}\text{Ti} \quad \sigma(E)=\text{factor}$							
1446	ORL	Expt J PR	99 718 55 2.2+1			Cohen+	TBL. CURV. RATIO(P,NP)/(P,2N).
$^{48}\text{Ti}(p,\text{inelastic})^{48}\text{Ti} \quad \text{partial } \sigma(E)=\text{factor}$							
1447	IUI	Expt J YF	24 461 976 1.4+0	3.0+0		Krivososov+	CURV. 983KEV LEVEL. THETA=56
		Expt J SNP	24 239 77 1.4+0	3.0+0			. TRANSLATION OF YF 24(3), 461(1976).
$^{48}\text{Ti}(p,2n)^{47}\text{V} \quad \sigma(E)$							
1448	KFK	Comp B PH-DAI	15 2 079 2.2+1			Muenzel+	TBL. FROM EXFOR.
1449	ORL	Expt J PR	99 718 55 2.2+1			Cohen+	TBL. NATURAL TARGET.
		Expt 4 EXFORB0050.002	77 2.2+1				. 120MB. REL. UNC.=15%. CALIB. UNC.=15%
$^{48}\text{Ti}(p,2n)^{47}\text{V} \quad \sigma(E)=\text{factor}$							
1450	ORL	Expt J PR	99 718 55 2.2+1			Cohen+	TBL. CURV. RATIO(P,NP)/(P,2N).
$^{48}\text{Ti}(p,n)^{48}\text{V} \quad \sigma(E)$							
1451	CAL	Theo R OAP-422	875 TR		1.1+1	Woosley+	CURV. HAUSER-FESHBACH.
1452	KFK	Comp B PH-DAT	15 2 079 5.1+0	1.4+1		Muenzel+	TBL. FROM EXFOR.
1453	TOK	Expt J JPJ	14 1269 59 5.1+0	1.4+1		Tanaka+	CURV. NATURAL FOIL.
		Expt 4 EXFORB0043.002	77 5.1+0	1.4+1			. 15 DATA POINTS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{48}\text{Ti}(p,\gamma)^{49}\text{V}$ $\sigma(E)$					
1454	CAL Theo J AND 22	371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR	1.1+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{48}\text{Ti}(p,x)$ isotopic distribution $\sigma(E)$					
1455	INU Expt J PRL 38	950 477 1.4+2			Sadler+ NDG. IN-BEAM SPECTROSCOPY.
$^{48}\text{Ti}(p,\text{absorption})$ $\sigma(E)$					
1456	IJI Rev J FCY 6	827 75 1.5+1			Nemets+ TBL. FROM PR 157.1001(1957).
	Rev J SJPN 6	325 76 1.5+1			. TRANSLATION OF FCY 6.(4),827(1975).
$^{48}\text{Ti}(p,\alpha)^{46}\text{Sc}$ $\sigma(E)$					
1457	CAL Theo R OAP-422	875 8.2-1	1.2+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{48}\text{Ti}(p,n)^{48}\text{V}$ $\sigma(E)$					
1458	CAL Theo R OAP-422	875 TR	1.1+1		Woosley+ CURV. HAUSER-FESHBACH.
1459	KFK Comp B PH-DAT 15	2 079 1.4+0	5.8+0		Muenzel+ TBL. FROM EXFOR.
1460	ORL Expt P ORNL-2910	25 60 1.4+0	5.8+0		Johnson+ CURV. THICKER TRGT. 4PI DETECT
	Expt J PR 109	1243 58 1.4+0	1.9+0		Johnson+ CURV. NAT T1 TARGET.
	Expt P ORNL-2501	29 58 1.4+0	5.8+0		Johnson+ EXPT. DETAILS.
	Expt 4 EXFORB0068.005	678 1.4+0	5.8+0		. 104 DATA POINTS.
	Expt 4 EXFORB0046.003	77 1.4+0	1.9+0		.42POINTS.ERR ADDED BY COMP TO CPX DATA
$^{48}\text{Ti}(p,n)^{49}\text{V}$ average $\sigma(E)$					
1461	ORL Expt J PR/B 136	1719 064 1.4+0	1.5+0		Johnson+ CURV. FROM 1952+1958 MEAS.
$^{48}\text{Ti}(p,\gamma)^{50}\text{V}$ $\sigma(E)$					
1462	CAL Theo J AND 22	371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR	1.1+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{50}\text{Ti}(p,\text{absorption})$ $\sigma(E)$					
1463	IJI Rev J FCY 6	827 75 6.1+1			Nemets+ TBL. FROM PR/C 4.1114(1971).
	Rev J SJPN 6	325 76 6.1+1			. TRANSLATION OF FCY 6.(4),827(1975).
$^{50}\text{Ti}(p,\text{total})$ $\sigma(E)$					
1464	IJI Rev J FCY 6	827 75 NDG			Nemets+ CURV. DEPENDENCE ON Z.
	Rev J SJPN 6	325 76 NDG			. TRANSLATION OF FCY 6.(4),827(1975).
$^{50}\text{Ti}(p,\alpha)^{47}\text{Sc}$ $\sigma(E)$					
1465	CAL Theo R OAP-422	875 5.1-1	1.3+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{50}\text{Ti}(p,t)^{48}\text{Ti}$ partial $\sigma(E)$					
1466	MSU Exth C 77TOKYO	243 977 4.0+1			Brown+TBL.7LEVELS.EXP. CFD. TO 2 THEORI
$^{50}\text{Ti}(p,n)^{50}\text{V}$ partial $\sigma(E)$ at resonance					
1467	ORE Expt J IRE 26	1202 279 TR			+0 Lefevre+SIG(N3)=105MB FROM TOF SPECTRUM
$^{50}\text{Ti}(p,n)^{50}\text{V}$ partial raw $\sigma(E)$					
1468	ORE Expt J IRE 26	1202 279 TR			+0 Lefevre+ CURV. N3. TOF SPECTRUM.
$^{50}\text{Ti}(p,n)^{50}\text{V}$ $\sigma(E)$					
1469	KTY Expt P OOE-NDC-12	97 478 NDG			Flynn+ NDG. TO BE DONE.
1470	TRM Expt P INDC(SEC)-6191	077 NDG			Kailas+NDG.IWS ANALYSIS OF EARLIER WORK
1471	CAL Theo R OAP-422	875 TR	1.1+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{50}\text{Ti}(p,\gamma)^{51}\text{V}$ $\sigma(E)$					
1472	CAL Theo J AND 22	371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR	1.1+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{50}\text{Ti}(p,\gamma)^{51}\text{V}$ partial relative $\sigma(E)$					
1473	LND Expt J NP/A 329	1 079 2.1+0	3.1+0		Erlandsson+ NDG. GE(L1). PRIMARY+SECOND
	Expt J NP/A 329	1 079 2.1+0	3.1+0		Erlandsson+ CURVE VS. EXC.E. CFD HF.
$^{51}\text{Ti}(p,n)^{51}\text{V}$ $\sigma(E)$					
1474	CAL Theo J AND 22	371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab	Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author.	Comments
$^{91}\text{Ti}(p,\gamma)^{92}\text{V}$ $\sigma(E)$							
1475	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{92}\text{Ti}(p,\alpha)^{90}\text{Sc}$ $\sigma(E)$							
1476	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{92}\text{Ti}(p,n)^{92}\text{V}$ $\sigma(E)$							
1477	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{92}\text{Ti}(p,\gamma)^{93}\text{V}$ $\sigma(E)$							
1478	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{93}\text{Ti}(p,\alpha)^{90}\text{Sc}$ $\sigma(E)$							
1479	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{93}\text{Ti}(p,n)^{93}\text{V}$ $\sigma(E)$							
1480	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{93}\text{Ti}(p,\gamma)^{94}\text{V}$ $\sigma(E)$							
1481	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{39}\text{Ti}(p,x)^{39}\text{Ar}$ spectrum average thick target yield							
1482	RIC	Theo J JGR	81	5701	76	SCR	Walton+ TBL.E<=200.<Z>=13.1X1.99XINERT
		Theo J JGR	81	5701	76	SCR	Walton+ TBL.E<= 45.<Z>=13.1X1.99XINERT
$V(p,\text{absorption})$ $\sigma(E)$							
1483	IJ1	Revw J FCY	6	827	75	8.8+0	1.0+2 Nemets+ TBL.
		Revw J SJPN	6	325	76	8.8+0	1.0+2 . TRANSLATION OF FCY 6,(4),827(1975).
$V(p,x)^{38}\text{Ar}$ $\sigma(E)$							
1484	GRA	Expt J PR/C	20	1517	079	2.9+4	Regnier. TBL.
$V(p,x)^{38}\text{Ar}$ $\sigma(E)=\text{factor}$							
1485	GRA	Expt J PR/C	20	1517	079	2.9+4	Regnier. TBL. ARGON ISOTOPE RATIOS.
$V(p,x)^{38}\text{Ar}$ $\sigma(E)$							
1486	GRA	Expt J PR/C	20	1517	079	2.9+4	Regnier. TBL.
$V(p,x)^{38}\text{Ar}$ $\sigma(E)=\text{factor}$							
1487	GRA	Expt J PR/C	20	1517	079	2.9+4	Regnier. TBL. ARGON ISOTOPE RATIOS.
$V(p,x)^{39}\text{Ar}$ $\sigma(E)$							
1488	GRA	Expt J PR/C	20	1517	079	2.9+4	Regnier. TBL.
$V(p,x)^{39}\text{Ar}$ $\sigma(E)=\text{factor}$							
1489	GRA	Expt J PR/C	20	1517	079	2.9+4	Regnier. TBL. ARGON ISOTOPE RATIOS.
$V(p,x)^{42}\text{Ar}$ $\sigma(E)$							
1490	GRA	Expt J PR/C	20	1517	079	2.9+4	Regnier. TBL.
$V(p,x)^{42}\text{Ar}$ $\sigma(E)=\text{factor}$							
1491	GRA	Expt J PR/C	20	1517	079	2.9+4	Regnier. TBL. ARGON ISOTOPE RATIOS.
$V(p,x)^{46+49}\text{Sc}$ summation $\sigma(E)$							
1492	KLN	Exth J NP/A	322	40	679	1.8+1	4.9+1 Michel. CURV. HYBRD MOD. NO=3,K=1.
		Exth J NP/A	322	40	679	1.8+1	4.5+1 Michel+ TBL. STACKED FOILS.
$V(p,x)^{47}\text{Sc}$ $\sigma(E)$							
1493	KLN	Exth J NP/A	322	40	679	1.8+1	4.9+1 Michel+ CURV. HYBRID MOD. NU=3,K=1.
		Exth J NP/A	322	40	679	1.8+1	4.5+1 Michel+ TBL. STACKED FOILS.
$V(p,x)^{48}\text{Sc}$ $\sigma(E)$							
1494	KLN	Exth J NP/A	322	40	679	4.0+1	4.9+1 Michel+ CURV. HYBRID MOD. NO=3,K=1.
		Exth J NP/A	322	40	679	3.7+1	4.5+1 Michel+ TBL. STACKED FOILS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
	V(p,x) ⁴⁸ V	σ(E)				
1495	KLN Exth J NP/A	322	40	679 1.7+1 4.5+1	Michel+	TBL. STACKED FOILS.
	V(p,x) ⁴⁸ Cr	σ(E)				
1496	KLN Exth J NP/A	322	40	679 2.8+1 4.5+1	Michel+	TBL. STACKED FOILS.
	Exth J NP/A	322	40	679 3.0+1 5.0+1	Michel+	CURV. HYBRID MOD. NO=3,K=1.
	V(p,x) ⁴⁹ Cr	σ(E)				
1497	KLN Exth J NP/A	322	40	679 2.6+1 4.5+1	Michel+	TBL. STACKED FOILS.
	Exth J NP/A	322	40	679 1.6+1 5.0+1	Michel+	CURV. HYBRID MOD. NO=3,K=1.
	V(p,x) ⁵¹ Cr	σ(E)				
1498	KLN Exth J NP/A	322	40	679 2.0+0 5.0+1	Michel+	CURV. HYBRID MOD. NO=3,K=1.
	⁴⁷ V(p,α) ⁴⁴ Ti	σ(E)				
1499	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁴⁷ V(p,γ) ⁴⁸ Cr	σ(E)				
1500	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁴⁸ V(p,γ) ⁴⁸ Cr	σ(E)				
1501	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁴⁸ V(p,α) ⁴⁶ Ti	σ(E)				
1502	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁴⁸ V(p,γ) ⁵⁰ Cr	σ(E)				
1503	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁵⁰ V(p,2n+3p) ⁴⁶⁺⁴⁹ Sc	summation σ(E)				
1504	KLN Exth J NP/A	322	40	679 1.8+1 4.9+1	Michel.	CURV. HYBRD MOD. NO=3,K=1.
	⁵⁰ V(p,α) ⁴⁷ Ti	σ(E)				
1505	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	8.2-1 1.0+1	Woosley+	CURV. HAUSER-FESHBACH.
1506	MUJ Expt W ANNUAL RPT	51	76	1.4+1	Pieper.	(60+-12)MB.
	⁵⁰ V(p,2n+p) ⁴⁹ V	σ(E)				
1507	KLN Exth J NP/A	322	40	679 2.3+1 5.0+1	Michel.	CURV. HYBRD MOD. NO=3,K=1.
	⁵⁰ V(p,inelastic) ⁵⁰ V	σ(E)				
1508	MUJ Expt W ANNUAL RPT	51	76	1.4+1	Pieper.	NDG.
	⁵⁰ V(p,3n) ⁴⁸ Cr	σ(E)				
1509	KLN Exth J NP/A	322	40	679 3.0+1 5.0+1	Michel.	CURV. HYBRD MOD. NO=3,K=1.
	⁵⁰ V(p,2n) ⁴⁹ Cr	σ(E)				
1510	KLN Exth J NP/A	322	40	679 1.8+1 5.0+1	Michel+	CURV. HYBRID MOD. NO=3,K=1.
	⁵⁰ V(p,n) ⁵⁰ Cr	σ(E)				
1511	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR 1.1+1	Woosley+	CURV. HAUSER-FESHBACH.
	⁵⁰ V(p,γ) ⁵¹ Cr	σ(E)				
1512	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR 1.1+1	Woosley+	CURV. HAUSER-FESHBACH.
	⁵¹ V(p,x)	partial compound-nucleus σ(E)×factor				
1513	MIL Theo J NIM	146	265	077 4.0+0 5.0+1	Gadioli+	CURV. PRE-EQUIL. FRACT.SUM N+P
	⁵¹ V(p,x)	compound-nucleus σ(E)				
1514	LRL Expt J PR	128	291	062 5.0+0 1.2+1	Hansen+	CURV. DOSTROWSKY EMP. FORM.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁵¹ V(p,x) partial σ(E)					
1515	MIT Expt J PR	123	276	661	7.5+0 Shore+ TBL. SUM OF (P,INL) AND (P,A)
⁵¹ V(p,absorption) σ(E)					
1516	IJI Revw J FCY	6	827	75	6.8+0 6.1+1 Nemets+ TBL.
	Revw J SJPN	6	325	76	6.8+0 6.1+1 . TRANSLATION OF FCY 6,(4),827(1975).
1517	OSU Expt J NP	64	513	65	6.8+0 Dell+ TBL. SUM OF P+A EXCL. ELAS.
1518	MIT Expt J PR	123	276	661	7.5+0 Shore+ TBL. SUM OF (P,INL),(P,A),CE
⁵¹ V(p,elastic) compound-nucleus σ(E)					
1519	MIT Expt J PR	123	276	661	7.5+0 Shore+ TBL. OPTICAL MODEL.
⁵¹ V(p,total) σ(E)					
1520	IJI Revw J FCY	6	827	75	NDG Nemets+ CURV. DEPENDENCE ON Z.
	Revw J SJPN	6	325	76	NDG . TRANSLATION OF FCY 6,(4),827(1975).
1521	OSU Expt J NP	64	513	65	6.8+0 Dell+ TBL. CALC. FROM NON-ELASTIC
⁵¹ V(p,x)n compound-nucleus σ(E)*factor					
1522	MIL Theo J NIM	146	265	077	4.0+0 5.0+1 Gadioli+ CURV. PRE-EQUIL. FRACT.
⁵¹ V(p,x) ¹ H compound-nucleus σ(E)*factor					
1523	MIL Theo J NIM	146	265	077	4.0+0 5.0+1 Gadioli+ CURV. PRE-EQUIL. FRACT.
⁵¹ V(p,x) ³ H product yield					
1524	KFK Expt P NEANDC(E)-1925	478	TR	2.5+1	Merkel+ NDG. P 68.
⁵¹ V(p,x) ³ H average σ(E)					
1525	KFK Expt P NEANDC(E)-1925	478	TR	2.5+1	Merkel+ NDG. P 68.
⁵¹ V(p,x) ²⁴ Na cumulative σ(E)					
1526	MCG Expt J NP/A 288	291	977	7.5+1	8.5+1 Holub+ TBL. ACTIVATION METHOD.
	Expt 4 EXFORB0082.006	179	7.5+1	8.5+1	2 DATA POINTS.
⁵¹ V(p, ²⁴ Na) ²⁸ Al σ(E)					
1527	MCG Expt J NP/A 288	291	977	6.5+1	8.5+1 Holub+ CURV. CALC. AND EXPR.
⁵¹ V(p,3n+3p) ⁴⁶ Sc including metastable σ(E)					
1528	KLN Exth J NP/A 322	40	679	2.6+1	4.9+1 Michel+ CURV. HYBRID MOD. NO=3,K=1.
⁵¹ V(p,x) ⁴⁷ Sc σ(E)					
1529	KLN Expt P JUEL-1976	28	76	NDG	Herr+ NDG. STACKED-FOILS.
⁵¹ V(p,2n+3p) ⁴⁷ Sc σ(E)					
1530	BNL Theo C 77BNL	491	77	2.0+1	1.0+2 Divadeenam. CURV. GDH+PREEQUILIBRIUM.
⁵¹ V(p,n+3p) ⁴⁸ Sc σ(E)					
1531	BNL Theo C 77BNL	491	77	5.0+1	1.0+2 Divadeenam. CURV. GDH+PREEQUILIBRIUM.
⁵¹ V(p,α) ⁴⁸ Ti σ(E)					
1532	CAL Theo J AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875	8.2-1	9.8+0	Woosley+ CURV. HAUSER-FESHBACH.
⁵¹ V(p,x) ⁴⁸ V σ(E)					
1533	KLN Expt P JUEL-1976	28	76	NDG	Herr+ NDG. STACKED-FOILS.
⁵¹ V(p,3n+p) ⁴⁸ V σ(E)					
1534	KLN Exth J NP/A 322	40	679	3.4+1	5.0+1 Michel+ CURV. HYBRID MOD. NO=3,K=1.
1535	BNL Theo C 77BNL	491	77	5.0+1	1.0+2 Divadeenam. CURV. GDH+PREEQUILIBRIUM.
⁵¹ V(p,t) ⁴⁸ V partial σ(E)					
1536	MSU Exth C 77TOKYO	243	977	4.0+1	Brown+TBL. 11 LEVELS. EXP. CFD. TO 2 THEOR
⁵¹ V(p,inelastic) ⁵¹ V partial σ(E)*factor					
1537	IJI Expt J YF 24	461	976	1.2+0	3.0+0 Krivonozov+ CURV. 320KEV LEVEL. THETA=56
	Expt J SNP 24	239	77	1.2+0	3.0+0 .TRANSLATION OF YF 24(3), 461(1976).
⁵¹ V(p,inelastic) ⁵¹ V σ(E)					
1538	LRL Expt J PR	128	291	062	5.0+0 1.0+1 Hansen+ TBL. CURV. CALC. CFD. EXP.

REFERENCES (cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
$^{51}\text{V}(p,4n)^{48}\text{Cr}$ $\sigma(E)$						
1539	KLN Exth J	NP/A 322	40	679 4.0+1	5.0+1 Michel+	CURV. HYBRID MOD. NO=3, K=1.
$^{51}\text{V}(p,3n)^{49}\text{Cr}$ $\sigma(E)$						
1540	KLN Expt P	JUEL-1976	28	76 NDG	Herr+	NDG. STACKFO-FOILS.
1541	BNL Theo C	77BNL	491	77 2.5+1	1.0+2 Divadeenam.	CURV. GDH+PREEQUILIBRIUM.
$^{51}\text{V}(p,n)^{51}\text{Cr}$ $\sigma(E)$						
1542	KTY Expt P	ERDA-NDC-2	68	575 NDG	Sekharan+	NDG. 4PI DET. AND ACTIVATION.
1543	CAL Theo R	OAP-422	875	TR	1.1+1 Woosley+	CURV. HAUSER-FESHBACH.
1544	ORL Expt P	ORNL-2910	25	60 TR	5.7+0 Johnson+	CURV. THICKER TRGT. 4PI DETECT
	Expt J	PR 109 1243	58	1.6+0	2.3+0 Johnson+	CURV. NAT V TARGET.
	Expt P	ORNL-2501	29	58 TR	5.7+0 Johnson+	EXPT. DETAILS.
	Expt 4	EXFORB0068.024	678	1.6+0	5.4+0	115 DATA POINTS.
	Expt 4	EXFORB0046.004	77	1.6+0	2.3+0	59 DATA POINTS.
1545	KFK Comp B	PH-DAT 15	2	079 1.6+0	1.3+1 Muenzel+	TBL. FROM EXFOR.
	Comp B	PH-DAT 15	1	079 1.1+1	4.5+1 Muenzel+	TBL. FROM EXFOR.
1546	BNL Revv C	63HOUSTO	3	63 1.6+0	2.3+0 Goldberg.	NDG.
1547	CAL Expt A	DA/B 40	1237	979 1.6+0	4.5+0 Zyskind.	SIGNIFICANT N COMPETITION CUSP
1548	KFT Expt R	KHFTI-77/7	18	77 2.0+0	3.0+0 Krivonosov+	CURV. SUMMARY.
1549	INU Theo J	PR/C 20	1272	079 3.0+0	5.0+0 Kailas+	CURV. OM FIT TO EXP. DATA.
1550	ANL Expt J	PR 128	280	062 3.1+0	1.0+1 Wing+	TBL. CURV. RESID. RADIOACTIVITY.
	Expt R	TID-12696	61	3.1+0	1.0+1	SUPERSEDED.
	Expt 4	EXFORB0065.002	678	3.1+0	1.0+1	16 DATA PTS.
1551	OSU Expt J	NP 64	513	65 3.7+0	6.7+0 Dell+	TBL. CURV. STACKED FOILS.
	Expt J	PR 130	1522	563 6.8+0	Humes+	MEASURED RESIDUAL RADIATION
	Expt 4	EXFORB0061.003	678	6.8+0		480+-31MB.
	Expt 4	EXFORB0064.003	678	3.7+0	6.7+0	10 DATA POINTS.
1552	KLN Exth J	NP/A 322	40	679 4.0+0	5.0+1 Michel+	CURV. HYBRID MOD. K=1-3. CFD EX
1553	LRL Expt J	PR 115	925	59 4.0+0	5.5+0 Albert.	CURV.
	Expt W	TO ORNL-CPX	64	3.6+0	8.1+0 Albert.	
	Expt 4	EXFORB0093.002	579	3.6+0	8.1+0	7 DATA POINTS.
1554	ROC Expt J	PR 125	291	62 4.5+0	6.7+0 Tskentani+	NATURAL FOIL.
	Expt 4	EXFORB0051.005	77	4.4+0	6.6+0	4 POINTS. CPX DATA CORRECTED BY COMP
1555	LRL Expt J	PR 128	291	062 5.0+0	1.1+1 Hansen+	CURV. LONG COUNTER. CFD. THEORY
	Expt J	PRL 6	13	61 5.0+0	1.1+1	PRELIMINARY.
	Expt 4	EXFORB0066.002	678	5.0+0	1.1+1	7 DATA POINTS.
1556	TOK Expt J	JPJ 14	1269	59 6.7+0	1.3+1 Tanaka+	CURV. NATURAL FOIL.
	Expt 4	EXFORB0043.004	77	6.7+0	1.3+1	8 DATA POINTS.
1557	MIT Expt J	PR 123	276	661 7.5+0	Shore+	MEAS. RESIDUAL ACTIVITY.
	Expt 4	EXFORB0067.002	678	7.5+0		555+-30MB.
1558	CCP Revv J	AE 42	311	77 8.0+0	1.1+1 Zolotokin+	TBL. ACTIVATION.
	Revv J	SJA 42	344	077 8.0+0	1.1+1	TRANSLATION OF AE 42(4), 311(1977).
1559	BNL Theo C	77BNL	491	77 1.0+1	1.2+2 Divadeenam.	CURV. GDH+PREEQUILIBRIUM.
1560	MIL Expt J	NC/A 22	547	874 1.1+1	4.5+1 Gadioli+	TBL. CURV. NAT. V. EXCITON MOD
	Expt 4	EXFORB0027.002	77	1.1+1	4.5+1	17 DATA POINTS.
1561	PAR Expt J	JPR 23	1000	62 3.2+1	1.5+2 Albouy+	CURV. CFD CASCADE MODEL.
	Expt 4	EXFORB0106.003	N79	3.2+1	1.5+2	9 DATA POINTS.
$^{51}\text{V}(p,n)^{51}\text{Cr}$ $\sigma(E) \times \text{abundance}$						
1562	KLN Exth J	NP/A 322	40	679 1.3+1	4.5+1 Michel+	TBL. STACKED FOILS.
$^{51}\text{V}(p,n)^{51}\text{Cr}$ product yield						
1563	CAL Expt A	BAP 22	542	477 NDG	Zyskind+	NDG.
$^{51}\text{V}(p,n)^{51}\text{Cr}$ I_p						
1564	TOK Expt J	JPJ 45	1099	078 4.0+0	4.6+0 Kasagi+	NDG. G EXCIT. FUNC. AT 550EG.
$^{51}\text{V}(p,n)^{51}\text{Cr}$ partial $\sigma(E)$						
1565	KTY Expt A	DA/B 37	2347	N76 4.0+0	4.4+0 Sekharan.	NDG.
$^{51}\text{V}(p,n)^{51}\text{Cr}$ average $\sigma(E)$						
1566	ORL Expt J	PR/B 136	1719	064 1.6+0	1.6+0 Johnson+	CURV. FROM 1952 MEASUREMENT.
$^{51}\text{V}(p,\gamma)^{52}\text{Cr}$ $\sigma(E) \times \text{factor}$						
1567	CAL Expt C	77TOKYO	846	977 NDG	Zyskind+	TBL. WIGNER CUSP/MINIMUM RATIO
$^{51}\text{V}(p,\gamma)^{52}\text{Cr}$ $\sigma(E)$						
1568	CAL Theo J	AND 22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R	OAP-422	875	TR	1.1+1 Woosley+	CURV. HAUSER-FESHBACH.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{51}\text{V}(p,\gamma)^{52}\text{Cr}$ $\sigma(E)$				
1569 CAL Expt A DA/B	40	1237	979 9.3-1	4.5+0 Zyskind. SIGNIFICANT N COMPETITION CUSP
$^{51}\text{V}(p,x)$ isotopic distribution $\sigma(E)$				
1570 KLN Expt P NEANDC(E)-202	679	NDG		Michel+ NDG. P. 68. EXT. OF PREV. WORK.
Expt P INDC(GER)-2168	679	NDG		. SAME AS NEANDC(E)-202, 68.
$^{51}\text{V}(p,xn)$ isotopic distribution $\sigma(E)$				
1571 BNL Theo C 77BNL	491	77	9.0+1	Divadeenam. CURV. X=2-5 GDH+PREEQUILIBRIUM
$^{51}\text{V}(p,xn+3p)$ isotopic distribution $\sigma(E)$				
1572 BNL Theo C 77BNL	491	77	9.0+1	Divadeenam. CURV. X=1-8GDH+PREEQUILIBRIUM
$^{51}\text{V}(p,xn+3p)$ isotopic distribution $\sigma(E) \times \text{factor}$				
1573 BNL Theo C 77BNL	491	77	9.0+1	Divadeenam. CURV. (N,2PYN)/(P,3P(Y-1)N)
$^{92}\text{V}(p,\alpha)^{49}\text{Tl}$ $\sigma(E)$				
1574 CAL Theo J AND	22	371	N78	NDG
Theo J AND	22	371	N78	NDG
$^{92}\text{V}(p,n)^{92}\text{Cr}$ $\sigma(E)$				
1575 CAL Theo J AND	22	371	N78	NDG
Theo J AND	22	371	N78	NDG
$^{92}\text{V}(p,\gamma)^{93}\text{Cr}$ $\sigma(E)$				
1576 CAL Theo J AND	22	371	N78	NDG
Theo J AND	22	371	N78	NDG
$^{93}\text{V}(p,\alpha)^{50}\text{Tl}$ $\sigma(E)$				
1577 CAL Theo J AND	22	371	N78	NDG
Theo J AND	22	371	N78	NDG
$^{93}\text{V}(p,n)^{93}\text{Cr}$ $\sigma(E)$				
1578 CAL Theo J AND	22	371	N78	NDG
Theo J AND	22	371	N78	NDG
$^{93}\text{V}(p,\gamma)^{94}\text{Cr}$ $\sigma(E)$				
1579 CAL Theo J AND	22	371	N78	NDG
Theo J AND	22	371	N78	NDG
$^{94}\text{V}(p,\alpha)^{51}\text{Tl}$ $\sigma(E)$				
1580 CAL Theo J AND	22	371	N78	NDG
Theo J AND	22	371	N78	NDG
$^{94}\text{V}(p,n)^{94}\text{Cr}$ $\sigma(E)$				
1581 CAL Theo J AND	22	371	N78	NDG
Theo J AND	22	371	N78	NDG
$^{94}\text{V}(p,\gamma)^{95}\text{Cr}$ $\sigma(E)$				
1582 CAL Theo J AND	22	371	N78	NDG
Theo J AND	22	371	N78	NDG
$^{95}\text{V}(p,\alpha)^{52}\text{Tl}$ $\sigma(E)$				
1583 CAL Theo J AND	22	371	N78	NDG
Theo J AND	22	371	N78	NDG
$^{95}\text{V}(p,n)^{95}\text{Cr}$ $\sigma(E)$				
1584 CAL Theo J AND	22	371	N78	NDG
Theo J AND	22	371	N78	NDG
$^{95}\text{V}(p,\gamma)^{96}\text{Cr}$ $\sigma(E)$				
1585 CAL Theo J AND	22	371	N78	NDG
Theo J AND	22	371	N78	NDG
$\text{Cr}(p,\text{absorption})$ $\sigma(E)$				
1586 ORL Expt C 77BNL		515	677 2.4+1	6.6+1 Gabriel+ CURV. INTRANUCLEAR CASCADE MOD
1587 IJI Rev J FCY	6	827	75 2.8+1	Nemels+ TBL. FROM PL 9,178(1964).
Rev J SJPN	6	325	76 2.8+1	. TRANSLATION OF FCY 6,(4),827(1975).
$\text{Cr}(p,x)n$ $\sigma(E)$				
1588 LRL Expt J PR	115	925	59 4.0+0	5.5+0 Albert. CURV.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		Type				
Cr(p,x)n o(E)						
1588	LRL	Expt W TO ORNL-CPX	64	3.6+0	4.0+0	Albert.
		Expt 4 EXFOR80093.003	579	3.6+0	5.5+0	. 5 DATA POINTS.
Cr(p,x) ⁵¹ Cr o(E)						
1589	RIC	Expt J JGR	81	5689	76 1.9+1 4.4+1	Walton+ TBL. DEDUCED FROM SS-302 MEASUR
Cr(p,x) ⁵² Mn o(E)						
1590	CCP	Revw J AE	42	311	77 8.0+0 1.1+1	Zatolokin+ TBL. ACTIVATION.
		Revw J SJA	42	344	077 8.0+0 1.1+1	. TRANSLATION OF AE 42(4), 311(1977).
1591	RIC	Expt J JGR	81	5689	76 1.9+1	Walton+ (45+-10)MB FROM SS-302 MEASURE.
Cr(p,x) ⁵⁴ Mn o(E)						
1592	CCP	Revw J AE	42	311	77 8.0+0 1.1+1	Zatolokin+ TBL. ACTIVATION.
		Revw J SJA	42	344	077 8.0+0 1.1+1	. TRANSLATION OF AE 42(4), 311(1977).
⁴⁸ Cr(p,γ) ⁵⁰ Mn o(E)						
1593	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁰ Cr(p,σ) ⁴⁷ V o(E)						
1594	CAL	Theo R OAP-422		875	9.2-1 1.5+1	Woosley+ CURV. HAUSER-FESHBACH.
⁵⁰ Cr(p,inelastic) ⁵⁰ Cr partial o(E), x factor						
1595	IJI	Expt J YF	24	461	976 1.6+0 3.0+0	Krivonosov+ CURV. 783KEV LEVEL. THETA=56
		Expt J SNP	24	239	77 1.6+0 3.0+0	. TRANSLATION OF YF 24(3), 461(1976).
⁵⁰ Cr(p,inelastic) ⁵⁰ Cr o(E) _p						
1596	MOS	Expt J IZV	41	211	77 6.0+0 6.2+0	Romanovskii+ INTAD. THETA GE 90 DEG.
		Expt J BAS	41	175	77 6.0+0 6.2+0	. TRANSLATION OF IZV 41, 211(1977).
⁵⁰ Cr(p,inelastic) ⁵⁰ Cr partial o(E) _p						
1597	MOS	Expt J IZV	41	211	77 6.0+0 6.2+0	Romanovskii+IRST LVL. INTAD. THETA GE 90
		Expt J BAS	41	175	77 6.0+0 6.2+0	. TRANSLATION OF IZV 41, 211(1977).
⁵⁰ Cr(p,n) ⁵⁰ Mn o(E)						
1598	CAL	Theo R OAP-422		875	TR 1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
⁵⁰ Cr(p,n) ^{50g} Mn o(E)						
1599	FSU	Expt J PR/C	8	711	73 8.5+0 8.6+0	Mc-Kenna+ CURV. THRESH=8.585+-0.008MEV.
		Expt 4 EXFOR80010.002	076	076	8.6+0 8.6+0	. 9 DATA POINTS. T1/2 = 0.286S.
1600	KFK	Comp B PH-DAT	15	1	079 8.6+0 8.6+0	Muenzel+ TBL. FROM EXFOR.
⁵⁰ Cr(p,n) ⁵⁰ Mn o(E)						
1601	KFK	Comp B PH-DAT	15	1	079 8.6+0 9.0+0	Muenzel+ TBL. FROM EXFOR.
1602	FSU	Expt J PR/C	8	711	73 8.6+0 9.0+0	Mc-Kenna+ CURV. THRESH=8.84+0.01-0.02ME
		Expt 4 EXFOR80010.003	076	076	8.8+0 9.0+0	. 11 DATA POINTS. T1/2 = 1.76M.
⁵⁰ Cr(p,γ) ⁵¹ Mn o(E)						
1603	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875	TR 1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
1604	UFT	Expt J IZV	41	2196	77 6.0-1 3.0+0	Krivonosov+ CURV. ACTIV.+PROMPT G.
		Expt J BAS	41	175	78 6.0-1 3.0+0	. TRANSLATION OF IZV 41(10), 2196(1977)
1605	CLU	Expt J AJ	205	302	76 9.8-1 5.0+0	Roughlon+ TBL. COEFF. FROM FIT TO ITY.
		Expt C 75WASH	1	69	375 NDG	. MORE TECHNICAL DETAILS.
⁵⁰ Cr(p,γ) ⁵¹ Mn thick target yield						
1606	CLU	Ext h J AND	23	177	279 9.8-1 5.0+0	Roughlon+ TBL. ALSO STELLAR REACT. RATE
		Expt J AJ	205	302	76 9.8-1 5.0+0	Roughlon+ NDG. ALSO STELLAR REACT. RATE
		Expt C 75WASH	1	69	375 9.8-1 5.0+0	Roughlon+ NDG. ALSO STELLAR REACT. RATE.
		Expt J AJ	193	187	074 9.0-1 5.0+0	Roughlon+ NDG. ALSO STELLAR REACT. RATE
		Expt J AJ	188	595	374 NDG	. MORE TECHNICAL DETAILS.
⁵¹ Cr(p,γ) ⁵² Mn o(E)						
1607	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵² Cr(p,absorption) o(E)						
1608	ORL	Theo C 77BNL		515	77 2.8+1 6.5+1	Gabriel+CURV. INTRA-NUCLEAR CASCADE MOD
1609	IJI	Revw J FCY	6	827	75 6.1-1	Nemets+ TBL. FROM PR/C 4.1114(1971).

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author.	Comments	
		⁵² Cr(p,absorption) σ(E)					
1609	IJI Rev J SJPN	6 325	76	6.1+1		. TRANSLATION OF FCY 6.(4),827(1975).	
		⁵² Cr(p,total) σ(E)					
1610	IJI Rev J FCY	6 827	75	NDG	Nemets+	CURV. DEPENDENCE ON Z.	
	Rev J SJPN	6 325	76	NDG		. TRANSLATION OF FCY 6.(4),827(1975).	
		⁵² Cr(p,α) ⁴⁹ V σ(E)					
1611	CAL Theo R OAP-422		875	8.2+1	1.4+1 Woosley+	CURV. HAUSER-FESHBACH.	
		⁵² Cr(p,n+p) ⁵¹ Cr σ(E)					
1612	KFK Comp B PH-DAT	15 2 079	2.2+1		Muenzel+	TBL. FROM EXFOR.	
1613	ORL Expt J PR	99 718	55	2.2+1	Cohen+	TBL. NATURAL TARGET.	
	Expt 4 EXFORB0050.004		77	2.2+1		. 425MB. REL. UNC.=15%. CALIB. UNC.=15%	
		⁵² Cr(p,n+p) ⁵¹ Cr σ(E)×factor					
1614	ORL Expt J PR	99 718	55	2.2+1	Cohen+	TBL. CURV. RATIO(P,NP)/(P,2N).	
		⁵² Cr(p,inelastic) ⁵² Cr relative σ(E) _y					
1615	KFI Expt J JP/G	5 1267	979	4.1+0	4.2+0 Fodor+	CURV.	
		⁵² Cr(p,inelastic) ⁵² Cr partial σ(E) _y ×factor					
1616	IJI Expt J YF	24 461	976	2.6+0	3.0+0 Krivoshev+	CURV.1434KEV LEVEL.THETA=56	
	Expt J SNP	24 239	77	2.6+0	3.0+0	.TRANSLATION OF YF 24(3), 461(1976).	
		⁵² Cr(p,inelastic) ⁵² Cr σ(E) _p					
1617	MOS Expt J IZV	41 211	77	6.0+0	6.2+0 Romanovskii+	INTAD. THETA GE 90 DEG.	
	Expt J BAS	41 175	77	6.0+0	6.2+0	.TRANSLATION OF IZV 41, 211(1977).	
		⁵² Cr(p,inelastic) ⁵² Cr σ(E) _y					
1618	KFI Expt R KFKI-1978-87		78	4.1+0	4.3+0 Fodor+	CURV. GAMMAS/PROTON.	
		⁵² Cr(p,inelastic) ⁵² Cr raw σ(E)					
1619	KFI Expt P KFKI-78		27	78	4.1+0	4.2+0 Lovas Fodor+	CURV. GE(L1).
		⁵² Cr(p,2n) ⁵¹ Mn σ(E)					
1620	KFK Comp B PH-DAT	15 2 079	2.2+1	4.0+2	Muenzel+	TBL. FROM EXFOR.	
1621	ORL Expt J PR	99 718	55	2.2+1	Cohen+	TBL. NATURAL TARGET.	
	Expt 4 EXFORB0050.003		77	2.2+1		. 155MB. REL. UNC.=15%. CALIB. UNC.=15%	
1622	CAR Expt J JIN	31 1915	69	4.0+2	Reuland+	ENRICHED OXIDE IN AL-MATRIX	
	Expt 4 EXFORB0071.003		678	4.0+2		. 0.91MB+-15PER CENT.	
		⁵² Cr(p,2n) ⁵¹ Mn σ(E)×factor					
1623	ORL Expt J PR	99 718	55	2.2+1	Cohen+	TBL. CURV. RATIO(P,NP)/(P,2N).	
		⁵² Cr(p,2n) ⁵¹ Mn product yield					
1624	BNL Expt A JLCR	16 129	79	2.6+1	Lambrecht+	(35+-1.5)MC1/MUAH.	
		⁵² Cr(p,n) ⁵² Mn σ(E)					
1625	CAL Theo R OAP-422		875	TR	1.2+1 Woosley+	CURV. HAUSER-FESHBACH.	
		⁵² Cr(p,n) ⁵² Mn σ(E)×factor					
1626	CAR Expt J JIN	31 1915	69	4.0+2	Reuland+	(P,2N)/(P,N)=1.1+-32PER CENT	
		⁵² Cr(p,n) ⁵² Mn relative I _y					
1627	ALA Expt J NP/A	274 53	076	6.3+0	7.3+0 Taylor+	TBL. EG=.732-1.279 REL TO .168	
		⁵² Cr(p,n) ⁵² Mn σ(E)					
1628	KFK Comp B PH-DAT	15 2 079	5.8+0	4.0+2	Muenzel+	TBL. FROM EXFOR.	
1629	ANL Expt J PR	128 280	062	5.8+0	1.0+1 Wing+	TBL. CURV. RESID. RADIOACTIVITY.	
	Expt R T10-12696		61	5.8+0	1.0+1	. SUPERSEDED.	
	Expt 4 EXFORB0065.003		678	5.8+0	1.0+1	. 18 DATA POINTS.	
1630	ORL Expt J PR	100 1340	055	1.2+1	Blosser+	TBL. CURV.	
	Expt 4 EXFORB0052.003		77	1.2+1		. (75+-15)MB.	
1631	CAR Expt J JIN	31 1915	69	4.0+2	Reuland+	ENRICHED OXIDE IN AL-MATRIX	
	Expt 4 EXFORB0071.002		678	4.0+2		. 0.42MB+-32PER CENT.	
		⁵² Cr(p,n) ⁵² Mn σ(E)					
1632	KFK Comp B PH-DAT	15 2 079	5.8+0	4.0+2	Muenzel+	TBL. FROM EXFOR.	
1633	ANL Expt J PR	128 280	062	5.8+0	1.0+1 Wing+	TBL. CURV. RESID. RADIOACTIVITY.	
	Expt R T10-12696		61	5.8+0	1.0+1	. SUPERSEDED.	

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{52}\text{Cr}(p,n)^{52}\text{Mn}$ $\sigma(E)$					
1633	ANL Expt 4	EXFORB0065.003	678	5.8+0	1.0+1 . 18 DATA POINTS.
1634	ROC Expt J PR	125 291	62	6.2+0	6.7+0 Taketani+ NATURAL FOIL.
	Expt 4	EXFORB0051.003	77	6.0+0	6.6+0 . 3 POINTS. CPX DATA CORRECTED BY COMP
1635	ORL Expt J PR	100 1340	D55	1.2+1	Blosser+ TBL. CURV.
	Expt 4	EXFORB0052.003	77	1.2+1	. (210+-40)MD.
1636	CAR Expt J JIN	31 1915	69	4.0+2	Reuland+ ENRICHED OXIDE IN AL-MATRIX
	Expt 4	EXFORB0071.002	678	4.0+2	. 0.36MB+-32PER CENT.
$^{52}\text{Cr}(p,n)^{52}\text{Mn}$ product yield					
1637	BNL Expt A JLCR	16 129	79	1.5+1	Lambrecht+ 50MC1/MUAH.
$^{52}\text{Cr}(p,n)^{52}\text{Mn}$ summation $\sigma(E)$					
1638	KFK Comp B PH-DAT	15 2 079	5.8+0	4.0+2	Muenzel+ TBL. FROM EXFOR.
1639	ANL Expt J PR	128 280	062	5.8+0	1.0+1 Wing+ TBL. CURV. RESID. RADIOACTIVITY.
	Expt R T10-12696		61	5.8+0	1.0+1 . SUPERSEDED.
	Expt 4	EXFORB0065.003	678	5.8+0	1.0+1 . 18 DATA POINTS.
1640	TOK Expt J JPJ	14 1269	59	6.4+0	1.4+1 Tanaka+ CURV. NATURAL FOIL.
	Expt 4	EXFORB0043.005	77	6.4+0	1.4+1 . 11 DATA POINTS.
1641	CAR Expt J JIN	31 1915	69	4.0+2	Reuland+ ENRICHED OXIDE IN AL-MATRIX
	Expt 4	EXFORB0071.002	678	4.0+2	. 0.8MB+-45PER CENT
$^{52}\text{Cr}(p,n)^{52}\text{Mn}$ $\sigma(E)$ factor					
1642	CAR Expt J JIN	31 1915	69	4.0+2	Reuland+ (P,2N)/(P,N)=1.1+-32PER CENT
$^{52}\text{Cr}(p,y)^{53}\text{Mn}$ raw $\sigma(E)$					
1643	AML Expt J NIM	159 407	79	1.0+0	1.0+0 Swilkowski+CURV. VS. NMR FREQ.1005.2RES
$^{52}\text{Cr}(p,y)^{53}\text{Mn}$ partial raw $\sigma(E)$					
1644	AML Expt J NIM	159 407	79	1.0+0	1.0+0 Swilkowski+ CURV. METAL. 378-KEV G.
$^{52}\text{Cr}(p,y)^{53}\text{Mn}$ partial relative $\sigma(E)$					
1645	KFI Expt J JP/G	5 1267	979	4.1+0	4.3+0 Fodor+ CURV. EG .GT. 9 MEV. ALSO A2,A4.
	Expt R KFK1-1978-87		78	4.1+0	4.3+0 Fodor+ CURV. EG .GT. 9 MEV.
$^{52}\text{Cr}(p,y)^{53}\text{Mn}$ $\sigma(E)$					
1646	CAL Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
$^{52}\text{Cr}(p,y)^{53}\text{Mn}$ partial $\sigma(E)$					
1647	KFI Expt R KFK1-1978-87		78	4.1+0	4.3+0 Fodor+ CURV. 4 PRIMARY GAMMAS. GAMMA/P.
$^{53}\text{Cr}(p,\alpha)^{50}\text{V}$ $\sigma(E)$					
1648	CAL Theo R OAP-422		875	8.2-1	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
$^{53}\text{Cr}(p,\text{inelastic})^{53}\text{Cr}$ partial $\sigma(E)$ factor					
1649	IJI Expt J YF	24 461	976	1.8+0	3.0+0 Krivososov+ CURV. 564KEV LEVEL.THETA=56
	Expt J SNP	24 239	77	1.8+0	3.0+0 .TRANSLATION OF YF 24(3). 461(1976).
$^{53}\text{Cr}(p,\text{inelastic})^{53}\text{Cr}$ partial thick target yield factor					
1650	TRM Expt J JP/G	3 1246	977	2.5+0	3.5+0 Patrawale+ NDG. 10 G'S. B(E2) + B(M1).
1651	VIP Expt J JP/G	3 1246	977	2.5+0	3.5+0 Patrawale+ NDG. 10 G'S. B(E2) + B(M1).
$^{53}\text{Cr}(p,n)^{53}\text{Mn}$ $\sigma(E)$					
1652	CAL Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
1653	ORL Expt P ORNL-2910	25 60	TR		5.9+0 Johnson+ CURV. THICKER TRGT. 4PI DETECT
	Expt J PR	109 1243	58	1.4+0	1.9+0 Johnson+ CURV. NAT CR TARGET.
	Expt P ORNL-2501	29 58	TR		5.9+0 Johnson+ EXPT. DETAILS.
	Expt 4	EXFORB0068.010	678	1.5+0	5.9+0 . 22 DATA POINTS.
	Expt 4	EXFORB0046.005	77	1.4+0	1.9+0 .41POINTS.ERR ADDED BY COMP TO CPX DATA
1654	KFK Comp B PH-DAT	15 2 079	1.4+0	5.9+0	Muenzel+ TBL. FROM EXFOR.
1655	KFT Expt R KHFT1-77/7	18 77	2.0+0	3.0+0	Krivososov+ CURV. SUMMARY.
1656	IJI Expt J UFZ	16 1947	71	2.8+0	3.9+0 Dryapachenko+CURV.LONG CONT. CRY.S. SPEC
	Expt J UPJ	16 2340	78	2.8+0	3.9+0 . TRANSLATION OF UFZ 16(12). 1947(1971)
$^{53}\text{Cr}(p,y)^{54}\text{Mn}$ $\sigma(E)$					
1657	CAL Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁵⁴Cr(p,α)⁵¹V σ(E)						
1658	CAL	Theo J AND	22	371	N78	NDG. Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875	8.1-1	1.1+1 Woosley+ CURV. HAUSER-FESHBACH.
⁵⁴Cr(p,inelastic)⁵⁴Cr partial σ(E), s factor						
1659	IJI	Expt J YF	24	461	976	1.6+0 3.0+0 Krivonosov+ CURV. 835KEV LEVEL. THETA=56
		Expt J SNP	24	239	77	1.6+0 3.0+0 .TRANSLATION OF YF 24(3), 461(1976).
⁵⁴Cr(p,n)⁵⁴Mn σ(E)						
1660	ORL	Expt P ORNL-2910	25	60	TR	5.5+0 Johnson+ CURV. THICKER TRGT. 4PI DETECT
		Expt P ORNL-2501	29	58	TR	5.5+0 Johnson+ EXPT. DETAILS.
		Expt 4 EXFORB0068	019	678	2.3+0	5.5+0 . 19 DATA POINTS.
1661	CAL	Theo R OAP-422		875	TR	1.1+1 Woosley+ CURV. HAUSER-FESHBACH.
1662	CAL	Expt J NP/A 301		179	578	8.3-1 3.6+0 Zyskind+ CURV. 4PI*SIG(30DEG).
1663	KFK	Comp B PH-DAT	15	2	079	2.3+0 5.5+0 Muenzel+ TBL. FROM EXFOR.
1664	INU	Theo J PR/C	20	1272	079	3.0+0 5.0+0 Kailas+ CURV. OM FIT TO EXP. DATA.
⁵⁴Cr(p,γ)⁵⁵Mn σ(E)						
1665	CAL	Theo J AND	22	371	N78	NDG. Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875	TR	1.1+1 Woosley+ CURV. HAUSER-FESHBACH.
1666	CAL	Expt J NP/A 301		179	578	8.3-1 3.6+0 Zyskind+ CURV. INTAD. 2GS. WIGNER CUSPS
⁵⁴Cr(p,γ)⁵⁵Mn partial σ(E)						
1667	CAL	Expt J NP/A 301		179	578	8.3-1 3.6+0 Zyskind+ TBL. CURV. INTAD. CUSPS.
1668	CAL	Expt A BAP	22	1246	N77	9.0-1 3.7+0 Zyskind+ NDG. WIGNER CUSPS.
⁵⁴Cr(p,γ)⁵⁵Mn partial raw σ(E)						
1669	HLS	Expt J PS	18	275	78	5.0-1 2.6+0 Heckstrom. CURV. EG GT 2.7MEV. THETA=55
⁵⁵Cr(p,α)⁵²V σ(E)						
1670	CAL	Theo J AND	22	371	N78	NDG. Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG. . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁵Cr(p,n)⁵⁵Mn σ(E)						
1671	CAL	Theo J AND	22	371	N78	NDG. Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG. . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁵Cr(p,γ)⁵⁶Mn σ(E)						
1672	CAL	Theo J AND	22	371	N78	NDG. Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG. . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁶Cr(p,α)⁵³V σ(E)						
1673	CAL	Theo J AND	22	371	N78	NDG. Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG. . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁶Cr(p,n)⁵⁶Mn σ(E)						
1674	CAL	Theo J AND	22	371	N78	NDG. Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG. . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁶Cr(p,γ)⁵⁷Mn σ(E)						
1675	CAL	Theo J AND	22	371	N78	NDG. Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG. . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁷Cr(p,α)⁵⁴V σ(E)						
1676	CAL	Theo J AND	22	371	N78	NDG. Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG. . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁷Cr(p,n)⁵⁷Mn σ(E)						
1677	CAL	Theo J AND	22	371	N78	NDG. Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG. . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁷Cr(p,γ)⁵⁸Mn σ(E)						
1678	CAL	Theo J AND	22	371	N78	NDG. Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG. . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵¹Mn(p,γ)⁵²Fe σ(E)						
1679	CAL	Theo J AND	22	371	N78	NDG. Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG. . TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{52}\text{Mn}(p,\gamma)^{53}\text{Fe} \quad \sigma(E)$						
1680	CAL	Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{53}\text{Mn}(p,\alpha)^{50}\text{Cr} \quad \sigma(E)$						
1681	CAL	Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{53}\text{Mn}(p,\gamma)^{54}\text{Fe} \quad \sigma(E)$						
1682	CAL	Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{54}\text{Mn}(p,\alpha)^{51}\text{Cr} \quad \sigma(E)$						
1683	CAL	Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{54}\text{Mn}(p,\gamma)^{55}\text{Fe} \quad \sigma(E)$						
1684	CAL	Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{55}\text{Mn}(p,\text{absorption}) \quad \sigma(E)$						
1685	IJI	Rev J FCY	6 827 75 6.8+0			Nemets+ TBL. FROM NP 64,513(1965).
		Rev J SJPN	6 325 76 6.8+0			. TRANSLATION OF FCY 6,(4),827(1975).
1686	OSU	Expt J NP	64 513 65 6.8+0			Dell+ TBL. SUM OF P+A EXCL. ELAS.
$^{55}\text{Mn}(p,\text{total}) \quad \sigma(E)$						
1687	OSU	Expt J NP	64 513 65 6.8+0			Dell+ TBL. CALC. FROM NON-ELASTIC
$^{55}\text{Mn}(p,x)^{51}\text{Cr} \quad \sigma(E)$						
1688	KLN	Expt P NEANDC(E)-202	679 1.6+1 4.5+1			Michel+ TBL. P. 72.
		Expt P INDC(GER)-2172	679 1.6+1 4.5+1			. SAME AS NEANDC(E)-202, 72.
$^{55}\text{Mn}(p,\alpha)^{52}\text{Cr} \quad \sigma(E)$						
1689	CAL	Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422	875 8.1-1 9.2+0			Woosley+ CURV. HAUSER-FESHBACH.
$^{55}\text{Mn}(p,3n+p)^{52+54}\text{Mn} \quad \text{summation } \sigma(E)$						
1690	KLN	Expt P NEANDC(E)-202	679 2.7+1 4.5+1			Michel+ TBL. CURV. P. 72. CFD HYBRID.
		Expt P INDC(GER)-2172	679 2.7+1 4.5+1			. SAME AS NEANDC(E)-202, 72.
		Expt P JUEL-SPEZ-3620	479 2.7+1 4.9+1			Michel+ CURV. EXPT(STCKD FOILS) CFD CAL
$^{55}\text{Mn}(p,n+p)^{54}\text{Mn} \quad \sigma(E)$						
1691	KLN	Expt P NEANDC(E)-202	679 9.3+0 4.5+1			Michel+ TBL. CURV. P. 72. CFD HYBRID.
		Expt P INDC(GER)-2172	679 9.3+0 4.5+1			. SAME AS NEANDC(E)-202, 72.
$^{55}\text{Mn}(p,n+p)^{54}\text{Mn} \quad \sigma(E)$						
1692	KFK	Comp B PH-DAT	15 2 079 2.2+1			Muenzel+ TBL. FROM EXFOR.
1693	ORL	Expt J PR	99 718 55 2.2+1			Cohen+ TBL. NATURAL TARGET.
		Expt 4 EXFORB0050.005	77 2.2+1			. 620MB. REL. UNC.=15%. CALIB. UNC.=15%
$^{55}\text{Mn}(p,n+p)^{54}\text{Mn} \quad \sigma(E)=\text{factor}$						
1694	ORL	Expt J PR	99 718 55 2.2+1			Cohen+ TBL. CURV. RATIO(P,NP)/(P,2N).
$^{55}\text{Mn}(p,4n)^{52}\text{Fe} \quad \text{thick target yield}$						
1695	AML	Rev J IRE	26 2281 479 2.3+1 6.5+1			Chaudri. TBL. CFD EXP. TO CALC.
$^{55}\text{Mn}(p,4n)^{52}\text{Fe} \quad \text{product yield}$						
1696	UPP	Expt P KOK-23	9 478 5.0+1			Lundqvist+ NDG.
		Expt P NEANDC(OR)150	477 5.0+1			Lundqvist+NDG. PROD. LABELLED CMP. P.15
		Expt P NEANDC(OR)146	476 5.0+1			Lundqvist+NDG. PROD. LABELLED CMP. P.16
$^{55}\text{Mn}(p,4n)^{52}\text{Fe} \quad \sigma(E)$						
1697	HAR	Expt P UKNDC-P-80	28 776 TR	1.6+2		Syme+ CURV.
		Expt P AERE-PR/NP2349	76 4.4+1	1.6+2		Syme+ CURV.
$^{55}\text{Mn}(p,2n)^{54}\text{Fe} \quad \sigma(E)=\text{factor}$						
1698	ORL	Expt J PR	99 718 55 2.2+1			Cohen+ TBL. CURV. RATIO(P,NP)/(P,2N).
$^{55}\text{Mn}(p,n)^{55}\text{Fe} \quad \sigma(E)$						
1699	CAI	Theo R OAP-422	875 TR	1.2+1		Woosley+ CURV. HAUSER-FESHBACH.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
$^{55}\text{Mn}(p,n)^{55}\text{Fe}$ $\sigma(E)$						
1700	KFK Comp R	PH-NAT 15 2 D79	1.0+0	6.8+0	Muenzel+	TBL. FROM EXFOR.
1701	TRM Expt J	PR/C 18 1178 978	1.4+0	5.4+0	Viyogi+	CURV. 4PI COUNTER.
	Expt J	PR/C 18 1178 978	1.5+0	1.6+0	Viyogi+	CURV. 1AR AT 1.54 MEV.
1702	TRM Expt P	INDC(SEC)-50 176	1.4+0	5.4+0	Kailas+	NDG. 4PI DET. 5KEV STPS. P. 135
1703	INU Theo J	PR/C 20 1272 079	2.0+0	5.0+0	Kailas+	CURV. OM FIT TO EXP. DATA.
1704	ORL Expt P	ORNL-2910 25 60	2.1+0	5.8+0	Johnson+	CURV. THICKER TRGT. 4PI DETECT
	Expt J	PR 109 1243 58	1.0+0	1.5+0	Johnson+	CURV. NAT MN TARGET.
	Expt P	ORNL-2501 29 58	2.1+0	5.8+0	Johnson+	EXPT. DETAILS.
	Expt 4	EXFORB0068.018 678	2.1+0	5.8+0		. 16 DATA POINTS.
	Expt 4	EXFORB0046.006 77	1.0+0	1.5+0		. 46 DATA POINTS.
1705	OSU Expt J	NP 64 513 65	3.5+0	6.7+0	Dell+	TBL. CURV. STACKED FOILS.
	Expt J	PR 130 1522 563	6.8+0		Humes+	MEASURED RESIDUAL RADIATION
	Expt 4	EXFORB0061.004 678	6.8+0			. 440+-40MB.
	Expt 4	EXFORB0064.004 678	3.5+0	6.7+0		. 9 DATA POINTS.
1706	LRL Expt J	PR 115 925 59	4.0+0	5.5+0	Albert.	CURV.
	Expt W	TO ORNL-CPX 64	3.6+0	8.1+0	Albert.	
	Expt 4	EXFORB0093.004 579	3.6+0	8.1+0		. 7 DATA POINTS.
$^{55}\text{Mn}(p,n)^{55}\text{Fe}$ product yield						
1707	ROS Expt A	NIM 146 307 077	NDG		Beckerl+	NDG.
$^{55}\text{Mn}(p,n)^{55}\text{Fe}$ relative I_γ						
1708	KOU Expt J	CUP 53 2631 75	2.8+0	3.6+0	Robertson+	CURV. 92-1408 KEV GAMMAS.
$^{55}\text{Mn}(p,n)^{55}\text{Fe}$ average $\sigma(E)$						
1709	ORL Expt J	PR/B 136 1719 D64	1.0+0	1.2+0	Johnson+	CURV. FROM 1952 MEASUREMENT.
$^{55}\text{Mn}(p,\gamma)^{56}\text{Fe}$ raw $\sigma(E)$						
1710	ITK Expt J	JP/G 4 1339 878	1.7+0	1.7+0	Chaturvedi+	CURV. NAI AT 55DEG. 3 RES.
$^{55}\text{Mn}(p,\gamma)^{56}\text{Fe}$ $\sigma(E)$						
1711	CAL Theo J	AND 22 371 N78	NDG		Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22 371 N78	NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R	OAP-422 . 875	TR	1.2+1	Woosley+	CURV. HAUSER-FESHBACH.
$^{56}\text{Mn}(p,\alpha)^{53}\text{Cr}$ $\sigma(E)$						
1712	CAL Theo J	AND 22 371 N78	NDG		Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22 371 N78	NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{56}\text{Mn}(p,n)^{56}\text{Fe}$ $\sigma(E)$						
1713	CAL Theo J	AND 22 371 N78	NDG		Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22 371 N78	NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{56}\text{Mn}(p,\gamma)^{57}\text{Fe}$ $\sigma(E)$						
1714	CAL Theo J	AND 22 371 N78	NDG		Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22 371 N78	NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{57}\text{Mn}(p,\alpha)^{54}\text{Cr}$ $\sigma(E)$						
1715	CAL Theo J	AND 22 371 N78	NDG		Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22 371 N78	NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{57}\text{Mn}(p,n)^{57}\text{Fe}$ $\sigma(E)$						
1716	CAL Theo J	AND 22 371 N78	NDG		Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22 371 N78	NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{57}\text{Mn}(p,\gamma)^{58}\text{Fe}$ $\sigma(E)$						
1717	CAL Theo J	AND 22 371 N78	NDG		Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22 371 N78	NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{58}\text{Mn}(p,\alpha)^{55}\text{Cr}$ $\sigma(E)$						
1718	CAL Theo J	AND 22 371 N78	NDG		Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22 371 N78	NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{58}\text{Mn}(p,n)^{58}\text{Fe}$ $\sigma(E)$						
1719	CAL Theo J	AND 22 371 N78	NDG		Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22 371 N78	NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{58}\text{Mn}(p,\gamma)^{59}\text{Fe}$ $\sigma(E)$						
1720	CAL Theo J	AND 22 371 N78	NDG		Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22 371 N78	NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
⁵⁹Mn(p,α)⁵⁶Cr σ(E)						
1721	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁹Mn(p,n)⁵⁹Fe σ(E)						
1722	CAL Theo J AND	?? 371 N70 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁹Mn(p,γ)⁶⁰Fe σ(E)						
1723	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁰Mn(p,α)⁵⁷Cr σ(E)						
1724	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁰Mn(p,n)⁶⁰Fe σ(E)						
1725	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁰Mn(p,γ)⁶¹Fe σ(E)						
1726	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶¹Mn(p,α)⁵⁸Cr σ(E)						
1727	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶¹Mn(p,n)⁶¹Fe σ(E)						
1728	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶¹Mn(p,γ)⁶²Fe σ(E)						
1729	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁵Mn(p,x)⁵²Fe σ(E)						
1730	IKO Expt P A-1K0-75	41 76 TR	5.5+1		Leurs+	NDG. MN-NI ALLOY.
Fe(p,x) partial σ(E)×factor						
1731	NRL Revw J AJ/S	35 137 077	1.5+2	4.0+2	Silberberg+	TBL.PERIPHERALREAC.EXC.(P,XN
Fe(p,absorption) σ(E)						
1732	IJI Revw J FCY	6 827 75	8.9+0	9.9+1	Nemets+	TBL.
	Revw J SJPN	6 325 76	8.9+0	9.9+1		. TRANSLATION OF FCY 6,(4),827(1975).
1733	ORL Expt C 77BNL	515 677	2.4+1	6.6+1	Gabriel+	CURV. INTRANUCLEAR CASCADE MOD
Fe(p,x)γ thick target yield						
1734	CCP Expt R YK- 21	73 76	1.2+1	2.3+1	Malusevich+	CURV. TBL. THETA = 0 DEG.
	Expt R INDC(CCP)-103	577	1.2+1	2.3+1		.TRANSLATION OF T. OF C.(YK 21,73(1976)
Fe(p,x)γ partial thick target yield						
1735	TOK Expt J NIM	151 493 78	5.2+1		Nakamura+	TBL.EXP.+RENRM.FRWRD HEMI.EG>2
Fe(p,x)n σ(E)						
1736	NMX Revw C 75WASH	2 512 375	3.5+0	4.0+2	Ahluwalia.	CURV.
1737	LRL Expt J PR	115 925 59	4.0+0	5.5+0	Albert.	CURV.
	Expt W TO ORNL-CPX	64 3.6+0	4.0+0		Albert.	
	Expt 4 EXFORB0093.005	579 3.6+0	5.5+0			. 5 DATA POINTS.
Fe(p,x)n partial thick target yield						
1738	TOK Expt J NIM	151 493 78	5.2+1		Nakamura+	TBL.EXP.+RENRM.FRWRD HEMI.EN>5
Fe(p,x)³H σ(E)						
1739	CER Expt J ZN/A	16 231 61	2.5+3		Goebel+	TBL. STACKED FOILS.
	Expt 4 EXFORB0102.003	N79 2.5+3				. 2 DATA POINTS.
Fe(p,x)⁷Be σ(E)						
1740	LAS Expt J JIN	38 13 76	5.9+2		Orth+	TBL. INTERLAB COMPARISON.
	Expt 4 EXFORB0096.042	679 5.9+2				.3 PTS. FRM LAS,MTR,DNM. HGHTD. AVE.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min}	E _{max}	Author, Comments
		Type		(MeV)	(MeV)	
Fe(p,x) ²² Na cumulative $\sigma(E)$						
1741	LAS	Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
		Expt 4	EXFORB0096.038 679 5.9+2			. 2 PTS. FRM LAS+MTR. WGTD. AVE.
Fe(p,x) ²⁴ Na cumulative $\sigma(E)$						
1742	LAS	Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
		Expt 4	EXFORB0096.040 679 5.9+2			. 3 PTS. FRM LAS,MTR,BNW. WGTD. AVE.
1743	MTR	Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.105 179 6.0+2			. 1 DATA POINT.
Fe(p,x) ²⁶ Mg cumulative $\sigma(E)$						
1744	LAS	Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
		Expt 4	EXFORB0096.036 679 5.9+2			. 2 PTS. FROM MTR,BNW. WEIGHTED AVE.
Fe(p,x) ²⁸ Al cumulative? $\sigma(E)$						
1745	MTR	Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.104 179 6.0+2			. 1 DATA POINT.
Fe(p,x) ²⁸ Al cumulative $\sigma(E)$						
1746	MTR	Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.103 179 6.0+2			. 1 DATA POINT.
Fe(p,x) ³⁴ Cl $\sigma(E)$						
1747	MTR	Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.102 179 6.0+2			. 1 DATA POINT.
Fe(p,x) ³⁸ Cl cumulative? $\sigma(E)$						
1748	MTR	Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.101 179 6.0+2			. 1 DATA POINT.
Fe(p,x) ³⁹ Cl cumulative $\sigma(E)$						
1749	MTR	Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.100 179 6.0+2			. 1 DATA POINT.
Fe(p,x) ³⁸ Ar $\sigma(E)$						
1750	GRA	Expt J	PR/C 20 1517 079 1.5+2 2.9+4			Regnier. TBL.
Fe(p,x) ³⁸ Ar $\sigma(E)$ xfactor						
1751	GRA	Expt J	PR/C 20 1517 079 1.5+2 2.9+4			Regnier. TBL. ARGON ISOTOPE RATIOS.
Fe(p,x) ³⁷ Ar $\sigma(E)$						
1752	CER	Expt J	ZN/A 16 231 61 2.5+3			Goebel+ TBL. STACKED FOILS.
		Expt 4	EXFORB0102.005 N79 2.5+3			. 2 DATA POINTS.
Fe(p,x) ³⁸ Ar $\sigma(E)$						
1753	GRA	Expt J	PR/C 20 1517 079 1.5+2 2.9+4			Regnier. TBL.
Fe(p,x) ³⁸ Ar $\sigma(E)$ xfactor						
1754	GRA	Expt J	PR/C 20 1517 079 1.5+2 2.9+4			Regnier. TBL. ARGON ISOTOPE RATIOS.
Fe(p,x) ³⁸ Ar $\sigma(E)$						
1755	GRA	Expt J	PR/C 20 1517 079 1.5+2 2.9+4			Regnier. TBL.
Fe(p,x) ³⁸ Ar $\sigma(E)$ xfactor						
1756	GRA	Expt J	PR/C 20 1517 079 1.5+2 2.9+4			Regnier. TBL. ARGON ISOTOPE RATIOS.
Fe(p,x) ⁴¹ Ar cumulative $\sigma(E)$						
1757	MTR	Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.099 179 6.0+2			. 1 DATA POINT.
Fe(p,x) ⁴² Ar $\sigma(E)$						
1758	GRA	Expt J	PR/C 20 1517 079 1.5+2 2.9+4			Regnier. TBL.
Fe(p,x) ⁴² Ar $\sigma(E)$ xfactor						
1759	GRA	Expt J	PR/C 20 1517 079 1.5+2 2.9+4			Regnier. TBL. ARGON ISOTOPE RATIOS.
Fe(p,x) ³⁸ K $\sigma(E)$						
1760	MTR	Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.098 179 6.0+2			. 1 DATA POINT.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
Fe(p,x) ⁴² K $\sigma(E)$					
1761	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.097 179	6.0+2		. 1 DATA POINT.
Fe(p,x) ⁴² K cumulative? $\sigma(E)$					
1762	LAS Expt	J JIN 30 13 76	5.9+2		Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB0096.032 679	5.9+2		. 2 PTS. FRM LAS + BNW. + WGHDT. AVE
Fe(p,x) ⁴³ K cumulative $\sigma(E)$					
1763	LAS Expt	J JIN 38 13 76	5.9+2		Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB0096.034 679	5.9+2		. 3 PTS. FRM LAS, MTR, BNW. WGHDT. AVE.
1764	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.096 179	6.0+2		. 1 DATA POINT.
Fe(p,x) ⁴³ Sc cumulative $\sigma(E)$					
1765	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.095 179	6.0+2		. 1 DATA POINT.
Fe(p,x) ⁴⁴ Sc $\sigma(E)$					
1766	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.094 179	6.0+2		. 1 DATA POINT.
Fe(p,x) ⁴⁴ Sc $\sigma(E)$					
1767	LAS Expt	J JIN 38 13 76	5.9+2		Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB0096.024 679	5.9+2		. 3 PTS. FRM LAS, MTR, BNW. WGHDT. AVE.
1768	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.093 179	6.0+2		. 1 DATA POINT.
Fe(p,x) ⁴⁶ Sc Independent including metastable $\sigma(E)$					
1769	LAS Expt	J JIN 38 13 76	5.9+2		Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB0096.026 679	5.9+2		. 3 PTS. FRM LAS, MTR, BNW. WGHDT. AVE.
Fe(p,x) ⁴⁶ Sc $\sigma(E)$					
1770	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.092 179	6.0+2		. 1 DATA POINT.
Fe(p,x) ⁴⁶ Sc $\sigma(E)$					
1771	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.091 179	6.0+2		. 1 DATA POINT.
Fe(p,x) ⁴⁷ Sc cumulative? $\sigma(E)$					
1772	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.090 179	6.0+2		. 1 DATA POINT.
Fe(p,x) ⁴⁷ Sc cumulative $\sigma(E)$					
1773	LAS Expt	J JIN 38 13 76	5.9+2		Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB0096.028 679	5.9+2		. 3 PTS. FRM LAS, MTR, BNW. WGHDT. AVE.
Fe(p,x) ⁴⁸ Sc $\sigma(E)$					
1774	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.089 179	6.0+2		. 1 DATA POINT.
Fe(p,x) ⁴⁸ Sc Independent $\sigma(E)$					
1775	LAS Expt	J JIN 38 13 76	5.9+2		Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB0096.030 679	5.9+2		. 3 PTS. FRM LAS, MTR, BNW. WGHDT. AVE.
Fe(p,x) ⁴⁸ V $\sigma(E)$					
1776	KLN Exth	J NP/A 322 40 679	3.9+1	4.4+1	Michel+ TBL. STACKED FOILS.
1777	DAV Expt	J PR/C 20 88 779	5.0+1	6.3+1	Schoen+ CURV. STACKED FOILS. CFD OTHERS
Fe(p,x) ⁴⁸ V cumulative $\sigma(E)$					
1778	KFK Comp	B PH-DAT 15 2 079	2.0+1	6.2+1	Muenzel+ TBL. FROM EXFOR.
1779	ORL Expt	J PR 162 1055 067	2.0+1	6.2+1	Williams+ CURV. STACKED FOILS. CFD THEO
	Expt 4	EXFORB0073.010 678	2.0+1	6.2+1	. 25 DATA POINTS.
1780	LAS Expt	J JIN 38 13 76	5.9+2		Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB0096.022 679	5.9+2		. 3 PTS. FRM LAS, MTR, BNW. WGHDT. AVE.
Fe(p,x) ⁵² V cumulative? $\sigma(E)$					
1781	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.088 179	6.0+2		. 1 DATA POINT.

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
Fe(p,x)⁵³V σ(E)				
1782 MTR Expt J NP/A 169	437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
Expt 4 EXFORB0085.087	179	6.0+2		. 1 DATA POINT.
Fe(p,x)⁴⁸Cr σ(E)				
1783 LAS Expt J JIN 38	13 76	5.9+2		Orth+ TBL. INTERLAB COMPARISON.
Expt 4 EXFORB0096.018	679	5.9+2		.3 PTS. FRM LAS,MTR,BNW. WGHDT AVE.
1784 MTR Expt J NP/A 169	437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
Expt 4 EXFORB0085.086	179	6.0+2		. 1 DATA POINT.
Fe(p,x)⁴⁹Cr σ(E)				
1785 MTR Expt J NP/A 169	437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
Expt 4 EXFORB0085.085	179	6.0+2		. 1 DATA POINT.
Fe(p,x)⁵¹Cr cumulative σ(E)				
1786 KLN Exth J NP/A 322	40 679	1.0+1	5.0+1	Michel+ CURV. SUM THEORY. CFD EXPT.
1787 KFK Comp B PH-DAT 15	2 079	3.2+1	6.3+1	Muenzel+ TBL. FROM EXFOR.
1788 ORL Expt J PR 162	1055 067	3.2+1	6.3+1	Williams+ CURV. STACKED FOILS. CFD THEO
Expt 4 EXFORB0073.011	678	3.2+1	6.3+1	. 14 DATA POINTS.
1789 LAS Expt J JIN 38	13 76	5.9+2		Orth+ TBL. INTERLAB COMPARISON.
Expt 4 EXFORB0096.020	679	5.9+2		.3 PTS. FRM LAS,MTR,BNW. WGHDT AVE.
1790 MTR Expt J NP/A 169	437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
Expt 4 EXFORB0085.084	179	6.0+2		. 1 DATA POINT.
Fe(p,x)⁵¹Cr σ(E)				
1791 KLN Exth J NP/A 322	40 679	1.3+1	4.4+1	Michel+ TBL. STACKED FOILS.
1792 RIC Expt J JGR 81	5689 76	1.9+1	4.4+1	Walton+ TBL. STAINLESS STEEL TYPE 302.
Expt J JGR 79	314 74	1.9+1	4.4+1	. PART. SUPER. CORR. TO JGR 78,6428(73)
Expt J JGR 78	6428 73	1.9+1	4.4+1	. PART. SUPER. BY JGR 79,314(74)
1793 DAV Expt J PR/C 20	88 779	4.0+1	6.3+1	Schoen+ CURV. STACKED FOILS. CFD OTHERS
Fe(p,x)⁵⁰Mn σ(E)				
1794 MTR Expt J NP/A 169	437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
Expt 4 EXFORB0085.083	179	6.0+2		. 1 DATA POINT.
Fe(p,x)⁵²Mn σ(E) × factor				
1795 DAV Expt J ARI 30	25 79	1.5+1	4.0+1	Lagunas-Solar+ CURVE. THIN TARGET YLD.
Fe(p,x)⁵²Mn thick target yield				
1796 DAV Expt J ARI 30	25 79	2.4+1	4.0+1	Lagunas-Solar+ CURVE. FROM THIN TARGET
Fe(p,x)⁵²Mn cumulative σ(E)				
1797 KFK Comp B PH-DAT 15	2 079	2.2+1	6.3+1	Muenzel+ TBL. FROM EXFOR.
1798 ORL Expt J PR 162	1055 067	2.2+1	6.3+1	Williams+ CURV. STACKED FOILS. CFD THEO
Expt 4 EXFORB0073.012	678	2.2+1	6.3+1	. 20 DATA POINTS.
1799 LAS Expt J JIN 38	13 76	5.9+2		Orth+ TBL. INTERLAB COMPARISON.
Expt 4 EXFORB0096.014	679	5.9+2		.3 PTS. FRM LAS,MTR,BNW. WGHDT AVE.
Fe(p,x)^{52g}Mn σ(E)				
1800 MTR Expt J NP/A 169	437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
Expt 4 EXFORB0085.082	179	6.0+2		. 1 DATA POINT.
Fe(p,x)^{52g}Mn σ(E)				
1801 MTR Expt J NP/A 169	437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
Expt 4 EXFORB0085.081	179	6.0+2		. 1 DATA POINT.
Fe(p,x)^{52g+g}Mn summation σ(E)				
1802 KLN Exth J NP/A 322	40 679	1.7+1	5.0+1	Michel. CURV. HYBRD MOD. NO=3,K=1.
Exth J NP/A 322	40 679	1.8+1	4.4+1	Michel+ TBL. STACKED FOILS.
1803 RIC Expt J JGR 81	5689 76	1.9+1	4.4+1	Walton+ TBL. STAINLESS STEEL TYPE 302.
Expt J JGR 79	314 74	1.9+1	4.4+1	. PART. SUPER. CORR. TO JGR 78,6428(73)
Expt J JGR 78	6428 73	1.9+1	4.4+1	. PART. SUPER. BY JGR 79,314(74)
1804 DAV Expt J PR/C 20	88 779	2.4+1	6.3+1	Schoen+ CURV. STACKED FOILS. CFD OTHERS
Fe(p,x)⁵⁴Mn σ(E)				
1805 KLN Exth J NP/A 322	40 679	1.7+1	4.4+1	Michel+ TBL. STACKED FOILS.
Exth J NP/A 322	40 679	8.0+0	5.0+1	Michel+ CURV. SUM THEORY. CFD EXPT.
1806 DAV Expt J PR/C 20	88 779	2.6+1	6.3+1	Schoen+ CURV. STACKED FOILS. CFD OTHERS
1807 KFK Comp B PH-DAT 15	2 079	3.1+1	6.2+1	Muenzel+ TBL. FROM EXFOR.
1808 ORL Expt J PR 162	1055 067	3.1+1	6.2+1	Williams+ CURV. STACKED FOILS. CFD THEO
Expt 4 EXFORB0073.013	678	3.1+1	6.2+1	. 14 DATA POINTS.

REFERENCES(cont)

No.	Lab	Work	Reference	Emin	Emax	Author, Comments
		Type		(MeV)	(MeV)	
Fe(p,x)⁵⁴Mn $\sigma(E)$						
1809	MTR	Expt J	NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.080 179	6.0+2		. 1 DATA POINT.
Fe(p,x)⁵⁴Mn independent $\sigma(E)$						
1810	LAS	Expt J	JIN 38 13 76	5.0+2		Orth+ TBL. INTERLAB COMPARISON.
		Expt 4	EXFORB0096.016 679	5.9+2		.3 PTS. FRM LAS,MTR,BNW. WGHDT AVE.
Fe(p,x)⁵⁶Mn cumulative $\sigma(E)$						
1811	MTR	Expt J	NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.079 179	6.0+2		. 1 DATA POINT.
Fe(p,x)⁵²Fe $\sigma(E)$						
1812	KLN	Exth J	NP/A 322 40 679	3.3+1	4.4+1	Michel+ TBL. STACKED FOILS.
1813	KFK	Comp B	PH-DAT 15 2 079	3.4+1	6.1+1	Muenzel+ TBL. FROM EXFOR.
1814	ORL	Expt J	PR 162 1055 067	3.4+1	6.1+1	Williams+ CURV. STACKED FOILS. CFD THEO
		Expt 4	EXFORB0073.014 678	3.4+1	6.1+1	. 10 DATA POINTS.
1815	LAS	Expt J	JIN 38 13 76	5.9+2		Orth+ TBL. INTERLAB COMPARISON.
		Expt 4	EXFORB0096.011 679	5.9+2		.2 PTS. FRM LAS + MTR. WEIGHTED AVE
1816	MTR	Expt J	NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.078 179	6.0+2		. 1 DATA POINT.
Fe(p,x)⁵³Fe including metastable? $\sigma(E)$						
1817	MTR	Expt J	NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.077 179	6.0+2		. 1 DATA POINT.
Fe(p,x)⁵⁹Co $\sigma(E)$=factor						
1818	DAV	Expt J	ARI 30 25 79	1.5+1	4.0+1	Lagunas-Solar+ CURVE. THIN TARGET YLD.
Fe(p,x)⁵⁹Co thick target yield						
1819	TOK	Eval J	ARI 30 625 79	1.5+1	5.5+1	Watanabe+ CURV. FROM THIS WORK.
1820	DAV	Expt J	ARI 30 25 79	1.8+1	4.0+1	Lagunas-Solar+ CURVE. FROM THIN TARGET
Fe(p,x)⁵⁹Co $\sigma(E)$						
1821	KFK	Comp B	PH-DAT 15 2 079	1.3+1	6.0+1	Muenzel+ TBL. FROM EXFOR.
1822	KLN	Exth J	NP/A 322 40 679	1.3+1	4.4+1	Michel+ TBL. STACKED FOILS.
1823	ORL	Expt J	PR 162 1055 067	1.3+1	6.0+1	Williams+ CURV. STACKED FOILS. CFD THEO
		Expt 4	EXFORB0073.015 678	1.3+1	6.0+1	. 19 DATA POINTS.
1824	LAS	Expt J	JIN 38 13 76	5.9+2		Orth+ TBL. INTERLAB COMPARISON.
		Expt 4	EXFORB0096.005 679	5.9+2		.3 PTS. FRM LAS,MTR,BNW + WGHDT AVE.
Fe(p,x)⁵⁶Co $\sigma(E)$=factor						
1825	DAV	Expt J	ARI 30 25 79	1.5+1	4.0+1	Lagunas-Solar+ CURVE. THIN TARGET YLD.
Fe(p,x)⁵⁶Co thick target yield						
1826	TOK	Eval J	ARI 30 625 79	9.0+0	5.5+1	Watanabe+ CURV. FROM THIS WORK.
1827	DAV	Expt J	ARI 30 25 79	1.7+1	4.0+1	Lagunas-Solar+ CURVE. FROM THIN TARGET
Fe(p,x)⁵⁶Co cumulative? $\sigma(E)$						
1828	MTR	Expt J	NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.076 179	6.0+2		. 1 DATA POINT.
Fe(p,x)⁵⁶Co $\sigma(E)$						
1829	DAV	Expt J	PR/C 20 88 779	6.0+0	5.2+1	Schoen+ CURV. STACKED FOILS. CFD OTHERS
1830	KFK	Comp B	PH-DAT 15 2 079	7.1+0	6.3+1	Muenzel+ TBL. FROM EXFOR.
1831	ORL	Expt J	PR 162 1055 067	7.1+0	6.3+1	Williams+ CURV. STACKED FOILS. CFD THEO
		Expt 4	EXFORB0073.016 678	7.1+0	6.3+1	. 23 DATA POINTS.
1832	CCP	Rev J	AE 42 311 77	8.0+0	1.1+1	Zatolokina+ TBL. ACTIVATION.
		Rev J	SJA 42 344 077	8.0+0	1.1+1	. TRANSLATION OF AE 42(4), 311(1977).
1833	KLN	Exth J	NP/A 322 40 679	1.3+1	4.4+1	Michel+ TBL. STACKED FOILS.
1834	LAS	Expt J	JIN 38 13 76	5.9+2		Orth+ TBL. INTERLAB COMPARISON.
		Expt 4	EXFORB0096.007 679	5.9+2		.3 PTS. FRM LAS,MTR,BNW + WGHDT AVE.
Fe(p,x)⁵⁶Co relative $\sigma(E)$						
1835	TNL	Expt J	NIM 138 179 076	TR	6.3+0	Miller+ TBL. CURV. STACKED FOILS.
Fe(p,x)⁵⁶Co relative thick target yield						
1836	TNL	Expt J	NIM 138 179 076	TR	6.3+0	Miller+ TBL. CURV. STACKED FOILS.
Fe(p,x)⁵⁷Co $\sigma(E)$						
1837	DAV	Expt J	PR/C 20 88 779	6.0+0	3.0+1	Schoen+ CURV. STACKED FOILS. CFD OTHERS

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
$Fe(p,x)^{57}Co$ $\sigma(E)$						
1838	KLN Exth J NP/A	322	40	679 1.3+1	4.4+1 Michel+	TBL. STACKED FOILS.
	Exth J NP/A	322	40	679 4.0+0	5.0+1 Michel+	CURV. SUM THEORY. CFD EXPT.
1839	RIC Expt J JGR	81	5689	76 1.9+1	4.4+1 Walton+	TBL. STAINLESS STEEL TYPE 302.
	Expt J JGR	79	314	74 1.9+1	4.4+1	PART. SUPER. CORR. TO JGR 78,6428(73)
	Expt J JGR	78	6428	73 1.9+1	4.4+1	PART. SUPER. BY JGR 79,314(74)
1840	LAS Expt J JIN	38	13	76 5.9+2	Orlh+	TBL. INTERLAB COMPARISON.
	Expt 4 EXFORB0096.009		679	5.9+2		.3 PTS. FRM LAS.MTR.BNW + WGHDT AVE.
$Fe(p,x)^{58}Co$ $\sigma(E)$						
1841	DAV Expt J PR/C	20	88	779 2.8+1	3.0+1 Schoen+	CURV. STACKED FOILS. MAY BE CON
$Fe(p,x)^{58m}Co$ summation $\sigma(E)$						
1842	KLN Exth J NP/A	322	40	679 1.3+1	4.4+1 Michel+	TBL. STACKED FOILS.
$Fe(p,x)$ isotopic distribution $\sigma(E)$						
1843	CER Expt J ZN/A	16	231	61 2.5+3	Goebel+	TBL. STCKD FOILS. 8 ISOTOPES
	Expt 4 EXFORB0102.007		N79	2.5+3		. 15 DATA POINTS.
$Fe(p,x)$ isotopic distribution spallation $\sigma(E)$						
1844	NRL Revv J AJ/S	35	137	077 1.5+2	3.7+2 Silberberg+	CFD.CALC.ETH.+EXP.2ES.95150
$Fe(p,xn)$ isotopic distribution $\sigma(E)$						
1845	DAV Expt A JLCR	23	184	77 1.0+1	6.5+1 Lagunas Solar+	NDG.
$^{52}Fe(p,y)^{53}Co$ $\sigma(E)$						
1846	CAL Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{53}Fe(p,y)^{54}Co$ $\sigma(E)$						
1847	CAL Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{54}Fe(p,absorption)$ $\sigma(E)$						
1848	ORL Theo C 77BNL		515	77 2.8+1	6.5+1 Gabriel+	CURV. INTRA-NUCLEAR CASCADE MOD
1849	IJI Revv J FCY	6	827	75 6.1+1		Nemets+ CURV. DEPENDENCE ON A**(2/3).
	Revv J FCY	6	827	75 1.5+1	6.1+1 Nemets+	TBL.
	Revv J SJPN	6	325	76 1.5+1	6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).
1850	MCG Theo J NCL	23	.89	978 6.2+1	Hogan+	TBL. INFLUENCE OF MEAN-FREE PATH
1851	INU Expt A BAP	21	979	76 8.0+1	1.4+2 Jastrzebski+	NDG.
$^{54}Fe(p,total)$ $\sigma(E)$						
1852	IJI Revv J FCY	6	827	75 4.0+1	6.1+1 Nemets+	CURV. DEPENDENCE ON N.
	Revv J SJPN	6	325	76 4.0+1	6.1+1	. TRANSLATION OF FCY 6,(4),827(75).
$^{54}Fe(p,3n+4p)^{48}V$ $\sigma(E)$						
1853	KLN Exth J NP/A	322	40	679 3.8+1	5.0+1 Michel.	CURV. HYBRD MOD. NO=3,K=1.
$^{54}Fe(p,n+3p)^{51}Cr$ $\sigma(E)$						
1854	KLN Exth J NP/A	322	40	679 3.4+1	5.0+1 Michel.	CURV. HYBRD MOD. NO=3,K=1.
$^{54}Fe(p,2n+2p)^{51}Mn$ $\sigma(E)$						
1855	KLN Exth J NP/A	322	40	679 1.0+1	5.0+1 Michel.	CURV. HYBRD MOD. NO=3,K=1.
$^{54}Fe(p,\alpha)^{51}Mn$ $\sigma(E)$						
1856	CAL Theo R OAP-422		875	9.2-1	1.5+1 Woosley+	CURV. HAUSER-FESHBACH.
$^{54}Fe(p,n+2p)^{52m}Mn$ summation $\sigma(E)$						
1857	KLN Exth J NP/A	322	40	679 2.2+1	5.0+1 Michel.	CURV. HYBRD MOD. NO=3,K=1.
$^{54}Fe(p,2n+p)^{52}Fe$ $\sigma(E)$						
1858	KLN Exth J NP/A	322	40	679 2.8+1	5.0+1 Michel.	CURV. HYBRD MOD. NO=3,K=1.
$^{54}Fe(p,t)^{52}Fe$ partial $\sigma(E)$ =factor						
1859	MSU Expt J NP/A	302	186	678 4.5+1		Decowski+TBL. INTAD(6-600LG). FCT=1/2PI
$^{54}Fe(p,np)^{53}Fe$ including metastable? $\sigma(E)$						
1860	KFK Comp B PH-DAT	15	2	079 2.2+1		Muenzel+ TBL. FROM EXFOR.
1861	ORL Expt J PR	99	723	55 2.2+1		Cohen+ TBL. RESIDUAL ACTIVITY.
	Expt 4 EXFORB0049.011		77	2.2+1		. 165MB. AVE. UNC.=20%. CALIB. UNC.=15%

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author. Comments
$^{54}\text{Fe}(p, \text{inelastic})^{54}\text{Fe}$ product yield				
1862 TNL Expt A DA/B	37	6203	677 3.3+0 4.5+0	Flynn. NDG.
$^{54}\text{Fe}(p, \text{inelastic})^{54}\text{Fe}$ compound-nucleus $\sigma(E)$ factor				
1863 SUL Exth J IZV	42	175	78 5.6+0 6.2+0	Antropov+ TBL. PER-CENT CN CONTRIBUTION
Exth J BAS	42	152	78 5.6+0 6.2+0	. TRANSLATION OF IZV 42(1), 175(1978).
$^{54}\text{Fe}(p, \text{elastic})^{54}\text{Fe}$ product yield				
1864 TNL Expt A DA/B	37	6203	677 3.3+0 4.5+0	Flynn. NDG.
$^{54}\text{Fe}(p, \text{elastic})^{54}\text{Fe}$ partial compound-nucleus $\sigma(E)$ factor				
1865 SUL Exth J IZV	42	175	78 5.6+0 6.2+0	Antropov+ TBL. PER-CENT CN CONTRIBUTION
Exth J BAS	42	152	78 5.6+0 6.2+0	. TRANSLATION OF IZV 42(1), 175(1978).
$^{54}\text{Fe}(p, n)^{54}\text{Co}$ product yield factor				
1866 MMU Exth J PR/C	15	1592	477 9.2+0	Bernstein. NDG. CAL. GEOM. CORR TO C(TH)
$^{54}\text{Fe}(p, n)^{54}\text{Co}$ $\sigma(E)$				
1867 CAL Theo R OAP-422		875	TR 1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
$^{54}\text{Fe}(p, \gamma)^{55}\text{Co}$ product yield				
1868 RAM Expt P INDC(SEC)-6119	077	1.1+0	1.7+0	Sanaullah+ NDG.
1869 MOS Revv R PHOTONUCLE	1	78	1.5+0 2.9+0	Varlamov+ NDG. TBL. FROM 0-1270EG DATA.
$^{54}\text{Fe}(p, \gamma)^{55}\text{Co}$ $\sigma(E)$				
1870 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
Theo R OAP-422		875	TR 1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
1871 CLU Expt J AJ	205	302	76 7.8-1 3.5+0	Roughton+ TBL. COEFF. FROM FIT TO TTY.
Expt C 75WASH	1	69	375 NDG	. MORE TECHNICAL DETAILS.
1872 KFK Comp B PH-DAT	15	2	079 1.1+1	Muenzel+ TBL. FROM EXFOR.
1873 ORL Expt J PR	100	205	055 1.1+1	Cohen. TBL. STACKED FOILS.
Expt 4 EXFOR80047.003		77	1.1+1	. 0.33MB +- 20 PERCENT.
$^{54}\text{Fe}(p, \gamma)^{55}\text{Co}$ partial raw $\sigma(E)$				
1874 ATH Expt J PR/C	17	1885	578 3.4+0 3.5+0	Vourvopoulos+ CURV. EG GT 2.7MEV.
$^{54}\text{Fe}(p, \gamma)^{55}\text{Co}$ thick target yield				
1875 CLU Exth J AND	23	177	279 7.8-1 3.5+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
Expt J AJ	205	302	76 7.8-1 3.5+0	Roughton+ NDG. ALSO STELLAR REACT. RATE
Expt C 75WASH	1	69	375 7.8-1 3.5+0	Roughton+ NDG. ALSO STELLAR REACT. RATE.
Expt J AJ	193	187	074 8.0-1 3.5+0	Roughton+ NDG. ALSO STELLAR REACT. RATE
Expt J AJ	188	595	374 NDG	. MORE TECHNICAL DETAILS.
$^{54}\text{Fe}(p, x)$ isotopic distribution $\sigma(E)$				
1876 INU Expt J PRL	38	950	477 1.4+2	Sadler+ NDG. IN-BEAM SPECTROSCOPY.
$^{56}\text{Fe}(p, \gamma)^{56}\text{Co}$ $\sigma(E)$				
1877 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{56}\text{Fe}(p, x)$ spallation $\sigma(E)$ factor				
1878 NRL Revv J AJ/S	35	137	077 1.5+2 3.7+2	Silberberg+ TBL. 2 ES. RATIO CALC./EXPT
$^{56}\text{Fe}(p, \text{absorption})$ $\sigma(E)$				
1879 HAR Expt J JIN	32	1419	70 9.9+0	Jenkins+ 848MB. SUM OF (P,N), (P, INL), CE
Expt J JIN	32	1419	70 2.3+1	Jenkins+ 1100MB. SUM PRESENT+PR 113.579
1880 ORL Theo C 77BNL		515	77 2.8+1 6.5+1	Gabriel+ CURV. INTRA-NUCLEAR CASCADE MOD
1881 IJI Revv J FCY	6	827	75 6.1+1	Nemels+ CURV. DEPENDENCE ON A**(2/3).
Revv J FCY	6	827	75 1.5+1 6.1+1	Nemels+ TBL.
Revv J SJPN	6	325	76 1.5+1 6.1+1	. TRANSLATION OF FCY 6.(4).827(1975).
1882 INU Expt A BAP	21	979	76 8.0+1 1.4+2	Jastrzebski+ NDG.
1883 LAS Theo J PR/C	20	1857	N79 1.0+2 2.0+3	Ray. CURV. SECOND-ORDER KMT FORMALISM.
$^{56}\text{Fe}(p, \text{total})$ $\sigma(E)$				
1884 IJI Revv J FCY	6	827	75 9.9+0 1.0+2	Nemels+ CURV. DEPENDENCE ON Z.
Revv J FCY	6	827	75 4.0+1 6.1+1	Nemels+ CURV. DEPENDENCE ON N.
Revv J SJPN	6	325	76 9.9+0 1.0+2	. TRANSLATION OF FCY 6.(4).827(1975).
$^{56}\text{Fe}(p, x) \gamma$ $\sigma(E)$				
1885 HAU Expt P A-WAU-78		1	778 TR 2.4+1	Bodansky+ NDG.

REFERENCES(cont)

No.	Lab	Work Type	Reference	Emin (MeV)	Emax (MeV)	Author	Comments
							$^{56}\text{Fe}(p,x)\gamma$ $\sigma(E)$
1885	WU	Expt A	BAP 22	583	477	2.0+0	2.4+1 Dyer+ NDG.
1886	GSF	Eval J	AJ/S 40	487	779	4.0+0	8.0+2 Ramaty+ CURV.
			Eval R NASA-TM-79654	79	4.0+0	8.0+2	. SAME AS AJ/S 40, 487(1979).
							$^{56}\text{Fe}(p,5n+4p)^{48}\text{V}$ $\sigma(E)$
1887	KLN	Exth J	NP/A 322	40	679	3.2+1	5.0+1 Michel+ CURV. HYBRID MOD. $N_0=3, K=1$.
							$^{56}\text{Fe}(p,3n+3p)^{51}\text{Cr}$ $\sigma(E)$
1888	KLN	Exth J	NP/A 322	40	679	2.9+1	5.0+1 Michel+ CURV. HYBRID MOD. $N_0=3, K=1$.
							$^{56}\text{Fe}(p,4n+2p)^{51}\text{Mn}$ $\sigma(E)$
1889	KLN	Exth J	NP/A 322	40	679	3.2+1	5.0+1 Michel+ CURV. HYBRID MOD. $N_0=3, K=1$.
							$^{56}\text{Fe}(p,x)^{52}\text{Mn}$ $\sigma(E)$
1890	GSF	Eval J	AJ/S 40	487	779	2.0+1	1.0+3 Ramaty+ CURV.
			Eval R NASA-TM-79654	79	2.0+1	1.0+3	. SAME AS AJ/S 40, 487(1979).
							$^{56}\text{Fe}(p,n+\alpha)^{52}\text{Mn}$ including metastable? $\sigma(E)$
1891	HAR	Expt J	JIN 32	1419	70	2.2+1	3.9+1 Jenkins+ TBL. CURV.
			Expt 4 EXFORB0041.005	77	2.2+1	3.9+1	. 12 ENTRIES.
1892	KFK	Comp B	PH-DAT 15	2	079	2.2+1	3.9+1 Muenzel+ TBL. FROM EXFOR.
							$^{56}\text{Fe}(p,n+\alpha)^{52}\text{Mn}$ $\sigma(E)$
1893	BNL	Theo C	77BNL	491	77	2.0+1	7.0+1 Divadeenam. CURV. GDH+PREEQUILIBRIUM.
							$^{56}\text{Fe}(p,x)^{52}\text{Mn}$ cumulative $\sigma(E)$
1894	LAS	Expt J	JIN 38	13	76	5.9+2	Orlh+ TBL. INTERLAB COMPARISON.
							$^{56}\text{Fe}(p,3n+2p)^{52+59}\text{Mn}$ summation $\sigma(E)$
1895	KLN	Exth J	NP/A 322	40	679	1.7+1	5.0+1 Michel+ CURV. HYBRID MOD. $N_0=3, K=1$.
							$^{56}\text{Fe}(p,\alpha)^{53}\text{Mn}$ $\sigma(E)$
1896	CAL	Theo R	OAP-422	875	9.2-1	1.3+1	Woosley+ CURV. HAUSER-FESHBACH.
							$^{56}\text{Fe}(p,x)^{54}\text{Mn}$ $\sigma(E)$
1897	GSF	Eval J	AJ/S 40	487	779	3.0+1	1.0+3 Ramaty+ CURV.
			Eval R NASA-TM-79654	79	3.0+1	1.0+3	. SAME AS AJ/S 40, 487(1979).
							$^{56}\text{Fe}(p,n+2p)^{54}\text{Mn}$ $\sigma(E)$
1898	KLN	Exth J	NP/A 322	40	679	8.0+0	5.0+1 Michel+ CURV. HYBRID MOD. $N_0=3, K=1$.
							$^{56}\text{Fe}(p,n+2p)^{54}\text{Mn}$ $\sigma(E)$
1899	HAR	Expt J	JIN 32	1419	70	2.5+1	3.9+1 Jenkins+ TBL. CURV.
			Expt 4 EXFORB0041.006	77	2.5+1	3.9+1	. 8 ENTRIES.
1900	KFK	Comp B	PH-DAT 15	2	079	2.5+1	3.9+1 Muenzel+ TBL. FROM EXFOR.
							$^{56}\text{Fe}(p,n+2p)^{54}\text{Mn}$ $\sigma(E)$
1901	BNL	Theo C	77BNL	491	77	3.0+1	7.0+1 Divadeenam. CURV. GDH+PREEQUILIBRIUM.
							$^{56}\text{Fe}(p,n+p)^{55}\text{Fe}$ $\sigma(E)$
1902	HAR	Expt J	JIN 32	1419	70	1.5+1	3.3+1 Jenkins+ TBL. CURV.
			Expt 4 EXFORB0041.003	77	1.5+1	3.3+1	. 7 ENTRIES.
1903	KFK	Comp B	PH-DAT 15	2	079	1.5+1	3.3+1 Muenzel+ TBL. FROM EXFOR.
1904	ORL	Expt J	PR 99	718	55	2.2+1	Cohen+ NATURAL TARGET.
			Expt 4 EXFORB0050.007	77	2.2+1		. 760MB. REL. UNC.=15%. CALIB. UNC.=15%
							$^{56}\text{Fe}(p,n+p)^{55}\text{Fe}$ $\sigma(E)$
1905	BNL	Theo C	77BNL	491	77	1.0+1	7.0+1 Divadeenam. CURV. GDH+PREEQUILIBRIUM.
							$^{56}\text{Fe}(p,n+p)^{55}\text{Fe}$ $\sigma(E)$ x factor
1906	ORL	Expt J	PR 99	718	55	2.2+1	Cohen+ TBL. CURV. $\text{RATIO}(P,NP)/(P,2N)$.
							$^{56}\text{Fe}(p,\text{scattering})^{56}\text{Fe}$ $\sigma(E)$
1907	LRL	Expt A	BAP 21	662	76	7.0+0	2.6+1 Koopman+ NDG. DEDUCED FROM INELASTIC
							$^{56}\text{Fe}(p,\text{inelastic})^{56}\text{Fe}$ partial raw $\sigma(E)$
1908	LUO	Expt J	PR/C 19	1762	579	3.7+0	3.8+0 Rangacharyulu+ CURV. EG=845KEV. GE(LII).
							$^{56}\text{Fe}(p,\text{inelastic})^{56}\text{Fe}$ partial $\sigma(E)$
1909	GSF	Eval J	AJ/S 40	487	779	3.0+0	1.0+2 Ramaty+ CURV. EG=0.847 MEV

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
$^{56}\text{Fe}(p, \text{inelastic})^{56}\text{Fe}$ partial $\sigma(E)$,						
1909	GSF Eval R	NASA-TM-79654	79	3.0+0	1.0+2	. SAME AS AJ/S 40, 487(1979).
1910	LRL Expt A	BAP 23	13	178	7.0+0	2.6+1 Koopman+ NDG. CFD TO (N,NL) + OTHER.
	Expt A	DA/B 38	2735	077	7.0+0	2.6+1 Koopman. NDG. GAMMA YLOS. DED. 2+-0+ SIG
$^{56}\text{Fe}(p, \text{inelastic})^{56}\text{Fe}$ partial $\sigma(E)$, x factor						
1911	IJI Expt J	YF 24	461	976	1.2+0	3.0+0 Krivonosov+ CURV. 847KEV LEVEL. THETA=56
	Expt J	SNP 24	239	77	1.2+0	3.0+0 .TRANSLATION OF YF 24(3), 461(1976).
$^{56}\text{Fe}(p, \text{inelastic})^{56}\text{Fe}$ $\sigma(E)$						
1912	LRL Expt A	BAP 21	662	76	7.0+0	2.6+1 Koopman+ NDG. ALSO DEDUCED SCT
$^{56}\text{Fe}(p, 2n)^{55}\text{Co}$ $\sigma(E)$						
1913	GSF Eval J	AJ/S 40	487	779	1.2+1	3.0+2 Ramaty+ CURV.
	Eval R	NASA-TM-79654	79	1.2+1	3.0+2	. SAME AS AJ/S 40, 487(1979).
1914	DAV Expt J	ARI 30	25	79	1.6+1	4.0+1 Legunas-Solar+ CURVE. NAT. THIN TRGT.
1915	HAR Expt J	JIN 32	1419	70	1.6+1	3.9+1 Jenkins+ TBL. CURV.
	Expt 4	EXFORB0041.004	77	1.6+1	3.9+1	. 11 ENTRIES.
1916	KFK Comp B	PH-DAT 15	2	079	1.6+1	3.9+1 Muenzel+ TBL. FROM EXFOR.
1917	KLN Exth J	NP/A 322	40	679	1.8+1	5.0+1 Michel+ CURV. HYBRID MOD. NO=3, K=1.
1918	ORL Expt J	PR 99	718	55	2.2+1	Cohen+ TBL. NATURAL TARGET.
	Expt 4	EXFORB0050.006	77	2.2+1		. 105MB. REL. UNC.=15%. CALIB. UNC.=15%
$^{56}\text{Fe}(p, 2n)^{55}\text{Co}$ $\sigma(E)$ x factor						
1919	ORL Expt J	PR 99	718	55	2.2+1	Cohen+ TBL. CURV. RATIO(P,NP)/(P,2N).
$^{56}\text{Fe}(p, 2n)^{55}\text{Co}$ thick target yield						
1920	TOK Eval J	ARI 30	625	79	1.5+1	3.5+1 Watanabe+ CURV. FROM LITERATURE.
$^{56}\text{Fe}(p, 2n)^{55}\text{Co}$ product yield						
1921	DAV Expt A	ANS 33	224	N79	3.5+1	Legunas-Solar+ TBL. REVIEW OF PROGRAM.
$^{56}\text{Fe}(p, 2n)^{55}\text{Co}$ product yield x abundance?						
1922	DAV Expt A	JLRC 23	184	77	3.5+1	Legunas Solar+ 17MEV THICK. 2.5-2.7MC1/
$^{56}\text{Fe}(p, n)^{56}\text{Co}$ $\sigma(E)$						
1923	BRL Expt A	BAP 21	611	76	TR	6.3+0 Niller+NDG. 3 PR CNT REL. ACC. STCK FOIL
1924	CAL Theo R	OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
1925	KTY Expt A	BAP 24	846	979	TR	6.4+0 Duncan+ NDG. DET. N.
1926	KLN Exth J	NP/A 322	40	679	4.0+0	5.0+1 Michel+ CURV. HYBRID MOD. NO=3, K=1.
1927	HAR Expt J	JIN 32	1419	70	4.8+0	3.9+1 Jenkins+ TBL. CURV.
	Expt 4	EXFORB0041.002	77	4.8+0	3.9+1	. 27 DATA POINTS.
1928	KFK Comp B	PH-DAT 15	2	079	4.8+0	3.9+1 Muenzel+ TBL. FROM EXFOR.
	Comp B	PH-DAT 15	1	079	1.1+1	4.5+1 Muenzel+ TBL. FROM EXFOR.
1929	BNL Theo C	77BNL	491	77	5.0+0	7.0+1 Divadeenam. CURV. GDH+PREEQUILIBRIUM.
1930	GSF Eval J	AJ/S 40	487	779	5.0+0	5.0+2 Ramaty+ CURV.
	Eval R	NASA-TM-79654	79	5.0+0	5.0+2	. SAME AS AJ/S 40, 487(1979).
1931	TOK Expt J	JPJ 14	1269	59	6.0+0	1.4+1 Tanaka+ CURV. NATURAL FOIL.
	Expt 4	EXFORB0043.006	77	6.0+0	1.4+1	. 17 DATA POINTS.
1932	MIL Expt J	NC/A 22	547	874	1.1+1	4.5+1 Gadioli+ TBL. CURV. NAT. FE. EXCITON MO
	Expt 4	EXFORB0027.003	77	1.1+1	4.5+1	. 17 DATA POINTS.
$^{56}\text{Fe}(p, n)^{56}\text{Co}$ thick target yield						
1933	TOK Eval J	ARI 30	625	79	5.0+0	3.5+1 Watanabe+ CURV. FROM LITERATURE.
$^{56}\text{Fe}(p, \gamma)^{57}\text{Co}$ partial raw $\sigma(E)$						
1934	LUQ Expt J	PR/C 19	1762	579	3.7+0	3.8+0 Rangacharyulu+ CURV. EG=8.6-9.7MEV.
$^{56}\text{Fe}(p, \gamma)^{57}\text{Co}$ $\sigma(E)$						
1935	CAL Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R	OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
1936	IJI Expt J	I2V 41	2196	77	6.0-1	3.0+0 Krivonosov+ CURV. PROMPT + RESIDUAL ACT
	Expt J	BAS 41	175	77	6.0-1	3.0+0 . TRANSLATION OF I2V 41(10), 2196(1977)
1937	CLU Expt J	AJ 205	302	76	8.0-1	1.6+0 Roughlon+ TBL. COEFF. FROM FIT TO TTY.
	Expt C	75WASH 1	69	375	NDG	. MORE TECHNICAL DETAILS.
$^{56}\text{Fe}(p, \gamma)^{57}\text{Co}$ product yield						
1938	RAM Expt P	INDC(SEC)-5013	176	1.2+0	3.0+0	Rahman+ NDG. 9 ANALOGUE STATES OF FE57.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
⁵⁶Fe(p,y)⁵⁷Co thick target yield						
1939	CLU Exth J AND	23	177	279	8.0-1	1.6+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76	8.0-1	1.6+0 Roughton+ NDG. ALSO REVISED REACT. RATE
	Expt C 75WASH	1	69	375	8.0-1	1.6+0 Roughton+ NDG. ALSO STELLAR REACT. RATE.
	Expt J AJ	188	595	374	8.0-1	3.8+0 Roughton+ CURV. ALSO STELLAR REAC. RATE
⁵⁶Fe(p,x)mass distribution spallation σ(E)						
1940	NRL Revv J AJ/S	35	137	077	1.5+2	3.7+2 Silberberg+CFD.CALC.METH.+EXP.2ES.25MAS
⁵⁶Fe(p,x)isotopic distribution σ(E)						
1941	INU Expt J PRL	38	950	477	1.4+2	Sadler+ NDG. IN-BEAM SPECTROSCOPY.
⁵⁷Fe(p,absorption) σ(E)						
1942	IJI Revv J FCY	6	827	75	1.5+1	6.1+1 Nemets+ TBL.
	Revv J SJPN	6	325	76	1.5+1	6.1+1 . TRANSLATION OF FCY 6.(4),827(1975).
⁵⁷Fe(p,total) σ(E)						
1943	IJI Revv J FCY	6	827	75	4.0+1	6.1+1 Nemets+ CURV. DEPENDENCE ON N.
	Revv J SJPN	6	325	76	4.0+1	6.1+1 . TRANSLATION OF FCY 6.(4),827(1975).
⁵⁷Fe(p,6n+4p)⁴⁸V σ(E)						
1944	KLN Exth J NP/A	322	40	679	4.7+1	5.0+1 Michel+ CURV. HYBRID MOD. N0=3,K=1.
⁵⁷Fe(p,4n+3p)⁵¹Cr σ(E)						
1945	KLN Exth J NP/A	322	40	679	4.1+1	5.0+1 Michel+ CURV. HYBRID MOD. N0, K=1.
⁵⁷Fe(p,4n+2p)⁵²⁺⁵⁴Mn summation σ(E)						
1946	KLN Exth J NP/A	322	40	679	3.0+1	5.0+1 Michel+ CURV. HYBRID MOD. N0=3, K=1.
⁵⁷Fe(p,2n+2p)⁵⁴Mn σ(E)						
1947	KLN Exth J NP/A	322	40	679	3.5+1	5.0+1 Michel+ CURV. HYBRID MOD. N0=3, K=1.
⁵⁷Fe(p,α)⁵⁴Mn σ(E)						
1948	CAL Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	1.0+0	1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
⁵⁷Fe(p,2p)⁵⁶Mn σ(E)						
1949	KFK Comp B PH-DAT	15	2	D79	2.2+1	Muenzel+ TBL. FROM EXFOR.
1950	ORL Expt J PR	99	723	55	2.2+1	Cohen+ TBL. RESIDUAL ACTIVITY.
	Expt 4 EXFORB0049.012		77	2.2+1		. 12.5MB. AVE.UNC.=20%. CALIB. UNC.=15%
⁵⁷Fe(p,inelastic)⁵⁷Fe partial σ(E)_y×factor						
1951	IJI Expt J YF	24	461	976	1.2+0	3.0+0 Krivososov+ CURV. 136KEV LEVEL.THETA=56
	Expt J SNP	24	239	77	1.2+0	3.0+0 .TRANSLATION OF YF 24(3), 461(1976).
⁵⁷Fe(p,n)⁵⁷Co σ(E)						
1952	KTY Expt P ERDA-NDC-2	68	575	NDG		Sekharan+ NDG. 4PI DET. AND ACTIVATION.
1953	CAL Theo R OAP-422		875	TR	1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
1954	ORL Expt P ORNL-2910	25	60	TR	5.5+0	Johnson+ CURV. 4PI DETECTOR.
	Expt P ORNL-2501	29	58	TR	5.5+0	Johnson+ EXPT. DETAILS.
	Expt 4 EXFORB0068.016		678	1.7+0	5.5+0	. 67 DATA POINTS.
1955	KFK Comp B PH-DAT	15	2	D79	1.7+0	1.4+1 Muenzel+ TBL. FROM EXFOR.
1956	KLN Exth J NP/A	322	40	679	2.0+0	5.0+1 Michel+ CURV. HYBRID MOD. N0=3,K=1.
1957	TOK Expt J JPJ	14	1269	59	3.7+0	1.4+1 Tanaka+ CURV. NATURAL FOIL.
	Expt 4 EXFORB0043.007		77	3.7+0	1.4+1	. 13 DATA POINTS.
⁵⁷Fe(p,n)⁵⁷Co average σ(E)						
1958	ORL Expt J PR/B	136	1719	D64	1.6+0	1.9+0 Johnson+ CURV. FROM 1953+1960 MEAS.
⁵⁷Fe(p,y)⁵⁸Co σ(E)						
1959	CAL Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR	1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
⁵⁷Fe(p,x)isotopic distribution σ(E)						
1960	NRL Theo J AJ/S	35	129	077	4.0+2	Silberberg+ CURV. X=1-4. 4 REFERENCES.
⁵⁸Fe(p,absorption) σ(E)						
1961	IJI Revv J FCY	6	827	75	1.5+1	6.1+1 Nemets+ TBL.
	Revv J SJPN	6	325	76	1.5+1	6.1+1 . TRANSLATION OF FCY 6.(4),827(1975).

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
⁵⁰ Fe(p,totat) σ(E)				
1962 IJ1 Revw J FCY	6	827	75 1.4+1	Nemets+ CURV. DEPENDENCE ON Z.
Revw J FCY	6	827	75 4.0+1 6.1+1	Nemets+ CURV. DEPENDENCE ON N.
Revw J SJPN	6	325	76 1.4+1 6.1+1	TRANSLATION OF FCY 6,(4),827(1975).
⁵⁰ Fe(p,3n+2p) ⁵⁴ Mn σ(E)				
1963 KLN Exth J NP/A	322	40	679 1.8+1 5.0+1	Michel+ CURV. HYBRID MOD. N0=3,K=1.
⁵⁰ Fe(p,α) ⁵⁵ Mn σ(E)				
1964 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	TBL OF STAT. THERMONUC. REAC. RT. PAR
Theo R OAP-422		875	9.2-1 1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
⁵⁰ Fe(p,inelastic) ⁵⁰ Fe partial σ(E) _p +factor				
1965 IJ1 Expt J YF	24	461	976 1.6+0 3.0+0	Krivososov+ CURV. 811KEY LEVEL. THETA=56
Expt J SNP	24	239	77 1.6+0 3.0+0	TRANSLATION OF YF 24(3), 461(1976).
⁵⁰ Fe(p,2n) ⁵⁷ Co σ(E)				
1966 KLN Exth J NP/A	322	40	679 1.4+1 5.0+1	Michel+ CURV. HYBRID MOD. N0=3,K=1.
⁵⁰ Fe(p,n) ⁵⁰ Co σ(E)				
1967 CAL Theo R OAP-422		875	TR 1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
⁵⁰ Fe(p,n) ⁵⁰ Co+ ⁵⁰ Co summation σ(E)				
1968 KLN Exth J NP/A	322	40	679 2.0+0 5.0+1	Michel+ CURV. HYBRID MOD. N0=3,K=1.
⁵⁰ Fe(p,γ) ⁵⁰ Co σ(E)				
1969 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	TBL OF STAT. THERMONUC. REAC. RT. PAR
Theo R OAP-422		875	TR 1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
⁵⁰ Fe(p,xn)isotopic distribution σ(E)				
1970 NRL Theo J AJ/S	35	129	077 4.0+2	Silberberg+ CURV. X=1-4. 4 REFERENCES.
⁵⁰ Fe(p,α) ⁵⁶ Mn σ(E)				
1971 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁰ Fe(p,n) ⁵⁰ Co σ(E)				
1972 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁰ Fe(p,γ) ⁶⁰ Co σ(E)				
1973 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁰ Fe(p,α) ⁵⁷ Mn σ(E)				
1974 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁰ Fe(p,γ) ⁶¹ Co σ(E)				
1975 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶¹ Fe(p,α) ⁵⁸ Mn σ(E)				
1976 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶¹ Fe(p,n) ⁶¹ Co σ(E)				
1977 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶¹ Fe(p,γ) ⁶² Co σ(E)				
1978 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶² Fe(p,α) ⁵⁹ Mn σ(E)				
1979 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab	Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{62}\text{Fe}(p,\gamma)^{63}\text{Co}$	$\sigma(E)$			
1980	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{63}\text{Fe}(p,\alpha)^{60}\text{Mn}$	$\sigma(E)$			
1981	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{63}\text{Fe}(p,\gamma)^{64}\text{Co}$	$\sigma(E)$			
1982	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{64}\text{Co}(p,\gamma)^{65}\text{Ni}$	$\sigma(E)$			
1983	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{65}\text{Co}(p,\gamma)^{66}\text{Ni}$	$\sigma(E)$			
1984	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{66}\text{Co}(p,n)^{66}\text{Ni}$	product yield			
1985	ROS	Expt A NIM	146	307	077 NDG	Beckerl+ NDG.
		$^{66}\text{Co}(p,\gamma)^{67}\text{Ni}$	$\sigma(E)$			
1986	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{67}\text{Co}(p,\alpha)^{64}\text{Fe}$	$\sigma(E)$			
1987	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{67}\text{Co}(p,\gamma)^{68}\text{Ni}$	$\sigma(E)$			
1988	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{68}\text{Co}(p,\alpha)^{65}\text{Fe}$	$\sigma(E)$			
1989	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{68}\text{Co}(p,\gamma)^{69}\text{Ni}$	$\sigma(E)$			
1990	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{69}\text{Co}(p,x)$	compound-nucleus $\sigma(E)$			
1991	LRL	Expt J PR	128	291	062 5.0+0 1.2+1	Hansen+ CURV. DOSTROWSKY EMP. FORM.
		$^{69}\text{Co}(p,\text{absorption})$	$\sigma(E)$			
1992	IJI	Revu J FCY	6	827	75 8.7+0 9.9+1	Nemets+ TBL.
		Revu J SJPN	6	325	76 8.7+0 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).
		$^{69}\text{Co}(p,\text{total})$	$\sigma(E)$			
1993	IJI	Revu J FCY	6	827	75 2.7+1	Nemets+ CURV. DEPENDENCE ON Z.
		Revu J SJPN	6	325	76 2.7+1	. TRANSLATION OF FCY 6,(4),827(1975).
		$^{69}\text{Co}(p,x)n$	thick target yield			
1994	BIR	Expt A BAP	21	1337	76 TR 3.0+0	Campbell+ NDG.
		$^{69}\text{Co}(p,x)^{36}\text{Ar}$	$\sigma(E)$			
1995	GRA	Expt J PR/C	20	1517	079 1.5+2 2.4+4	Regnier. TBL.
		$^{69}\text{Co}(p,x)^{36}\text{Ar}$	$\sigma(E)=\text{factor}$			
1996	GRA	Expt J PR/C	20	1517	079 1.5+2 2.4+4	Regnier. TBL. ARGON ISOTOPE RATIOS.
		$^{69}\text{Co}(p,x)^{36}\text{Ar}$	$\sigma(E)$			
1997	GRA	Expt J PR/C	20	1517	079 1.5+2 2.4+4	Regnier. TBL.
		$^{69}\text{Co}(p,x)^{36}\text{Ar}$	$\sigma(E)=\text{factor}$			
1998	GRA	Expt J PR/C	20	1517	079 1.5+2 2.4+4	Regnier. TBL. ARGON ISOTOPE RATIOS.
		$^{69}\text{Co}(p,x)^{36}\text{Ar}$	$\sigma(E)$			
1999	GRA	Expt J PR/C	20	1517	079 1.5+2 2.4+4	Regnier. TBL.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{59}\text{Co}(p,x)^{39}\text{Ar}$ $\sigma(E)$ factor			
2000	GRA Expl J PR/C	20 1517 079	1.5+2	2.4+4	Regnier. TBL. ARGON ISOTOPE RATIOS.
		$^{59}\text{Co}(p,x)^{42}\text{Ar}$ $\sigma(E)$			
2001	GRA Expl J PR/C	20 1517 079	1.5+2	2.4+4	Regnier. TDL.
		$^{59}\text{Co}(p,x)^{42}\text{Ar}$ $\sigma(E)$ factor			
2002	GRA Expl J PR/C	20 1517 079	1.5+2	2.4+4	Regnier. TBL. ARGON ISOTOPE RATIOS.
		$^{59}\text{Co}(p,4n+p+a)^{51}\text{Mn}$ $\sigma(E)$			
2003	NRL Theo W PREPRINT79KNOX	079 9.5+1			Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,3n+p+a)^{52}\text{Mn}$ $\sigma(E)$			
2004	NRL Theo W PREPRINT79KNOX	079 7.1+1			Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,2n+p+a)^{53}\text{Mn}$ $\sigma(E)$			
2005	NRL Theo W PREPRINT79KNOX	079 5.7+1			Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,x)^{54}\text{Mn}$ $\sigma(E)$			
2006	KLN Exth J NP/A	322 40 679 2.7+1	4.5+1		Michel+ TBL. STACKED FOILS.
		$^{59}\text{Co}(p,3n+3p)^{54}\text{Mn}$ $\sigma(E)$			
2007	KLN Exth J NP/A	322 40 679 2.6+1	5.0+1		Michel+ CURV. HYBRID MOD. N0=3,K=1.
		$^{59}\text{Co}(p,3n+3p)^{54}\text{Mn}$ $\sigma(E)$			
2008	KLN Expl P NEANDC(E)-202	679 NDG			Michel+ NDG. P. 68. EXT. OF PREV. WORK.
	Expl P INDC(GER)-2168	679 NDG			. SAME AS NEANDC(E)-202. 68.
	Expl P JUEL-SPEZ-1518	678 1.0+1	4.5+1		Michel+ NDG.
2009	DAV Expl J PR/C	20 88 779 3.2+1	6.3+1		Schoen+ CURV. STACKED FOILS. CFD OTHERS
		$^{59}\text{Co}(p,3n+3p)^{54}\text{Mn}$ $\sigma(E)$			
2010	NRL Theo W PREPRINT79KNOX	079 8.1+1			Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,n+p+a)^{54}\text{Mn}$ $\sigma(E)$			
2011	NRL Theo W PREPRINT79KNOX	079 4.5+1			Peterson. TBL OF PEAK SIGMA. SEMIEMP.
	Theo W PREPRINT79KNOX	079 TR 8.0+1			Peterson. CURV. SEMIEMP. CFD EXPT.
		$^{59}\text{Co}(p,d+a)^{54}\text{Mn}$ $\sigma(E)$			
2012	NRL Theo W PREPRINT79KNOX	079 4.0+1			Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,2n+3p)^{55}\text{Mn}$ $\sigma(E)$			
2013	NRL Theo W PREPRINT79KNOX	079 6.7+1			Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,p+a)^{55}\text{Mn}$ $\sigma(E)$			
2014	NRL Theo W PREPRINT79KNOX	079 3.1+1			Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,x)^{56}\text{Mn}$ $\sigma(E)$			
2015	KLN Exth J NP/A	322 40 679 3.6+1	4.5+1		Michel+ TBL. STACKED FOILS.
		$^{59}\text{Co}(p,n+3p)^{56}\text{Mn}$ $\sigma(E)$			
2016	KLN Exth J NP/A	322 40 679 3.8+1	5.0+1		Michel+ CURV. HYBRID MOD. N0=3,K=1.
		$^{59}\text{Co}(p,n+3p)^{56}\text{Mn}$ $\sigma(E)$			
2017	NRL Theo W PREPRINT79KNOX	079 5.2+1			Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,p+^3\text{He})^{56}\text{Mn}$ $\sigma(E)$			
2018	NRL Theo W PREPRINT79KNOX	079 4.3+1			Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,3p)^{57}\text{Mn}$ $\sigma(E)$			
2019	NRL Theo W PREPRINT79KNOX	079 4.6+1			Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,5n+^3\text{He})^{52}\text{Fe}$ $\sigma(E)$			
2020	NRL Theo W PREPRINT79KNOX	079 9.5+1			Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,4n+p+l)^{52}\text{Fe}$ $\sigma(E)$			
2021	NRL Theo W PREPRINT79KNOX	079 9.1+1			Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,4n+a)^{52}\text{Fe}$ $\sigma(E)$			
2022	NRL Theo W PREPRINT79KNOX	079 8.2+1			Peterson. TBL OF PEAK SIGMA. SEMIEMP.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Authr.	Comments
			$^{59}\text{Co}(p,4n+p+d)^{53}\text{Fe}$				$\sigma(E)$
2023	NRL	Theo W	PREPRINT79KNOX	079	8.4+1	Peterson.	TBL OF PEAK SIGMA. SEMIEMP.
			$^{59}\text{Co}(p,4n+^3\text{He})^{53}\text{Fe}$				$\sigma(E)$
2024	NRL	Theo W	PREPRINT79KNOX	079	8.1+1	Peterson.	TBL OF PEAK SIGMA. SEMIEMP.
			$^{59}\text{Co}(p,3n+p+t)^{53}\text{Fe}$				$\sigma(E)$
2025	NRL	Theo W	PREPRINT79KNOX	079	7.5+1	Peterson.	TBL OF PEAK SIGMA. SEMIEMP.
			$^{59}\text{Co}(p,3n+\alpha)^{53}\text{Fe}$				$\sigma(E)$
2026	NRL	Theo W	PREPRINT79KNOX	079	6.6+1	Peterson.	TBL OF PEAK SIGMA. SEMIEMP.
			$^{59}\text{Co}(p,3n+p+d)^{54}\text{Fe}$				$\sigma(E)$
2027	NRL	Theo W	PREPRINT79KNOX	079	7.0+1	Peterson.	TBL OF PEAK SIGMA. SEMIEMP.
			$^{59}\text{Co}(p,3n+^3\text{He})^{54}\text{Fe}$				$\sigma(E)$
2028	NRL	Theo W	PREPRINT79KNOX	079	6.5+1	Peterson.	TBL OF PEAK SIGMA. SEMIEMP.
			$^{59}\text{Co}(p,2n+p+t)^{54}\text{Fe}$				$\sigma(E)$
2029	NRL	Theo W	PREPRINT79KNOX	079	6.2+1	Peterson.	TBL OF PEAK SIGMA. SEMIEMP.
			$^{59}\text{Co}(p,2n+\alpha)^{54}\text{Fe}$				$\sigma(E)$
2030	NRL	Theo W	PREPRINT79KNOX	079	4.2+1	Peterson.	TBL OF PEAK SIGMA. SEMIEMP.
			$^{59}\text{Co}(p,4n+2p)^{54}\text{Fe}$				$\sigma(E)$
2031	NRL	Theo W	PREPRINT79KNOX	079	8.1+1	Peterson.	TBL OF PEAK SIGMA. SEMIEMP.
			$^{59}\text{Co}(p,2n+p+d)^{55}\text{Fe}$				$\sigma(E)$
2032	NRL	Theo W	PREPRINT79KNOX	079	5.9+1	Peterson.	TBL OF PEAK SIGMA. SEMIEMP.
			$^{59}\text{Co}(p,2n+^3\text{He})^{55}\text{Fe}$				$\sigma(E)$
2033	NRL	Theo W	PREPRINT79KNOX	079	5.3+1	Peterson.	TBL OF PEAK SIGMA. SEMIEMP.
			$^{59}\text{Co}(p,n+p+t)^{55}\text{Fe}$				$\sigma(E)$
2034	NRL	Theo W	PREPRINT79KNOX	079	5.2+1	Peterson.	TBL OF PEAK SIGMA. SEMIEMP.
			$^{59}\text{Co}(p,3n+2p)^{55}\text{Fe}$				$\sigma(E)$
2035	NRL	Theo W	PREPRINT79KNOX	079	6.5+1	Peterson.	TBL OF PEAK SIGMA. SEMIEMP.
		Theo W	PREPRINT79KNOX	079	TR	8.0+1	Peterson. CURV. SEMIEMPIRICAL CALC.
			$^{59}\text{Co}(p,n+\alpha)^{55}\text{Fe}$				$\sigma(E)$
2036	LVN	Expt J	ARI 28 533	77	2.4+1	7.6+1	Haasbroek+ CURV. STCKD-FOILS. RES. ACT.
		Expt R	CSIR-FIS-89	76	2.2+1	8.4+1	Haasbroek+
		Expt W	TO KACHAPAG	79	2.2+1	8.4+1	Haasbroek+ NUMERICAL DATA.
		Expt 4	EXFORB0098.003	779	2.2+1	8.4+1	. 27 DATA POINTS.
			$^{59}\text{Co}(p,n+\alpha)^{55}\text{Fe}$				thick target yield
2037	LVN	Expt J	ARI 28 533	77	2.5+1	8.5+1	Haasbroek+ TBL. CURV. FRM STCKD-FOILS.
		Expt J	ARI 28 533	77	8.5+1		Haasbroek+(31.9+-1.6)CI/AH. STPPNG TRGT
		Expt P	INDC(SAF)-5 8 878	2.5+1	8.5+1		Haasbroek+ TBL. FRM SIG AND DIRECTLY.
		Expt R	CSIR-FIS-89	76	2.2+1	8.5+1	Haasbroek+
		Expt 4	EXFORB0098.003	779	2.2+1	8.5+1	. 32 DATA POINTS.
			$^{59}\text{Co}(p,n+\alpha)^{55}\text{Fe}$				$\sigma(E)$
2038	NRL	Theo W	PREPRINT79KNOX	079	2.8+1		Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		Theo W	PREPRINT79KNOX	079	TR	8.0+1	Peterson. CURV. SEMIEMPIRICAL CALC.
			$^{59}\text{Co}(p,n+p+d)^{56}\text{Fe}$				$\sigma(E)$
2039	NRL	Theo W	PREPRINT79KNOX	079	4.7+1		Peterson. TBL OF PEAK SIGMA. SEMIEMP.
			$^{59}\text{Co}(p,n+^3\text{He})^{56}\text{Fe}$				$\sigma(E)$
2040	NRL	Theo W	PREPRINT79KNOX	079	3.8+1		Peterson. TBL OF PEAK SIGMA. SEMIEMP.
			$^{59}\text{Co}(p,2n+2p)^{56}\text{Fe}$				$\sigma(E)$
2041	NRL	Theo W	PREPRINT79KNOX	079	5.1+1		Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		Theo W	PREPRINT79KNOX	079	TR	8.0+1	Peterson. CURV. SEMIEMPIRICAL CALC.
			$^{59}\text{Co}(p,p+t)^{56}\text{Fe}$				$\sigma(E)$
2042	NRL	Theo W	PREPRINT79KNOX	079	3.7+1		Peterson. TBL OF PEAK SIGMA. SEMIEMP.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
		$^{59}\text{Co}(p,\alpha)^{56}\text{Fe}$ $\sigma(E)$ =factor				
2043	COL Revw C	71ALBANY 505	71	7.0+0	1.2+1	Miller. TBL. (P,INL)/(P,A)
		$^{59}\text{Co}(p,\alpha)^{56}\text{Fe}$ $\sigma(E)$				
2044	CAL Theo J AND 22	371 N78 NDG				Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo J AND 22	371 N78 NDG				Woosley+ CURV. HAUSER-FESHBACH.
2045	NRL Theo W PREPRINT79KNOX 079	1.7+1		8.9+0		Peterson. TBL OF PEAK SIGMA. SEMIEMP.
	Theo W PREPRINT79KNOX 079	TR		8.0+1		Peterson. CURV. SEMIEMPIRICAL CALC.
		$^{59}\text{Co}(p,n+2p)^{57}\text{Fe}$ $\sigma(E)$				
2046	NRL Theo W PREPRINT79KNOX 079	3.9+1				Peterson. TBL OF PEAK SIGMA. SEMIEMP.
	Theo W PREPRINT79KNOX 079	TR		8.0+1		Peterson. CURV. SEMIEMPIRICAL CALC.
		$^{59}\text{Co}(p,p+d)^{57}\text{Fe}$ $\sigma(E)$				
2047	NRL Theo W PREPRINT79KNOX 079	3.3+1				Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,2p)^{58}\text{Fe}$ $\sigma(E)$				
2048	NRL Theo W PREPRINT79KNOX 079	2.6+1				Peterson. TBL OF PEAK SIGMA. SEMIEMP.
	Theo W PREPRINT79KNOX 079	TR		8.0+1		Peterson. CURV. SEMIEMPIRICAL CALC.
		$^{59}\text{Co}(p,5n+p)^{54}\text{Co}$ $\sigma(E)$				
2049	NRL Theo W PREPRINT79KNOX 079	7.3+1				Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,3n+d)^{59}\text{Co}$ $\sigma(E)$				
2050	NRL Theo W PREPRINT79KNOX 079	5.8+1				Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,2n+t)^{59}\text{Co}$ $\sigma(E)$				
2051	NRL Theo W PREPRINT79KNOX 079	4.9+1				Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,4n+p)^{59}\text{Co}$ $\sigma(E)$				
2052	LVN Expt R CSIR-FIS-89	76 4.4+1	8.4+1		Haasbroek+	
	Expt W TO KACHAPAG	79 4.4+1	8.4+1		Haasbroek+	NUMERICAL DATA.
	Expt 4 EXFORB0098.008	779 4.4+1	8.4+1			. 16 DATA POINTS.
		$^{59}\text{Co}(p,4n+p)^{59}\text{Co}$ thick target yield				
2053	LVN Expt R CSIR-FIS-89	76 4.4+1	8.4+1		Haasbroek+	
	Expt 4 EXFORB0098.008	779 4.4+1	8.4+1			. 16 DATA POINTS.
		$^{59}\text{Co}(p,4n+p)^{59}\text{Co}$ $\sigma(E)$				
2054	NRL Theo W PREPRINT79KNOX 079	5.8+1				Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,x)^{58}\text{Co}$ $\sigma(E)$				
2055	KLN Exth J NP/A 322	40 679 2.7+1	4.5+1		Michel+	TBL. STACKED FOILS.
		$^{59}\text{Co}(p,2n+d)^{58}\text{Co}$ $\sigma(E)$				
2056	NRL Theo W PREPRINT79KNOX 079	4.5+1				Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,n+t)^{58}\text{Co}$ $\sigma(E)$				
2057	NRL Theo W PREPRINT79KNOX 079	3.5+1				Peterson. TBL OF PEAK SIGMA. SEMIEMP.
		$^{59}\text{Co}(p,3n+p)^{58}\text{Co}$ $\sigma(E)$				
2058	KLN Exth J NP/A 322	40 679 3.4+1	5.0+1		Michel+	CURV. HYBRID MOD. N0=3,K=1.
		$^{59}\text{Co}(p,3n+p)^{58}\text{Co}$ $\sigma(E)$				
2059	DAV Expt J PR/C 20	88 779 3.8+1	6.3+1		Schoen+	CURV. STACKED FOILS. CFD OTHERS
		$^{59}\text{Co}(p,3n+p)^{58}\text{Co}$ cumulative $\sigma(E)$				
2060	LVN Expt R CSIR-FIS-89	76 4.4+1	8.4+1		Haasbroek+	
	Expt W TO KACHAPAG	79 4.4+1	8.4+1		Haasbroek+	NUMERICAL DATA.
	Expt 4 EXFORB0098.009	779 4.4+1	8.4+1			. 20 DATA POINTS.
		$^{59}\text{Co}(p,3n+p)^{58}\text{Co}$ cumulative thick target yield				
2061	LVN Expt R CSIR-FIS-89	76 4.4+1	8.4+1		Haasbroek+	
	Expt 4 EXFORB0098.009	779 4.4+1	8.4+1			. 20 DATA POINTS.
		$^{59}\text{Co}(p,3n+p)^{58}\text{Co}$ $\sigma(E)$				
2062	NRL Theo W PREPRINT79KNOX 079	5.3+1				Peterson. TBL OF PEAK SIGMA. SEMIEMP.
	Theo W PREPRINT79KNOX 079	TR		8.0+1		Peterson. CURV. SEMIEMP. CFD EXPT.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		⁵⁹ Co(p,x) ⁵⁷ Co σ(E)			
2063	KLN Exth J NP/A 322	40 679 1.5+1 4.5+1	Michel+	TBL. STACKED FOILS.	
	Expt P NEANDC(E)-202	679 1.5+1	Michel+	TBL. P. 68. STACKED FOILS.	
	Expt P INDC(GER)-2168	679 1.5+1		. SAME AS NEANDC(E)-202. 68.	
		⁵⁹ Co(p,n+d) ⁵⁷ Co σ(E)			
2064	NRL Theo W PREPRINT79KNOX 079	3.0+1	Peterson.	TBL OF PEAK SIGMA. SEMIEMP.	
		⁵⁹ Co(p,2n+p) ⁵⁷ Co σ(E)			
2065	KLN Exth J NP/A 322	40 679 2.2+1 5.0+1	Michel+	CURV. HYBRID MOD. ND=3,K=1.	
		⁵⁹ Co(p,2n+p) ⁵⁷ Co σ(E)			
2066	DAV Expt J PR/C 20	88 779 2.3+1 6.3+1	Schoen+	CURV. STACKED FOILS. CFD OTHERS	
		⁵⁹ Co(p,2n+p) ⁵⁷ Co cumulative thick target yield			
2067	LVN Expt R CSIR-FIS-89	76 2.6+1 8.4+1	Haasbroek+		
	Expt 4 EXFORB0098.010	779 2.6+1 8.4+1		. 22 DATA POINTS.	
		⁵⁹ Co(p,2n+p) ⁵⁷ Co cumulative σ(E)			
2068	LVN Expt R CSIR-FIS-89	76 2.6+1 8.4+1	Haasbroek+		
	Expt W TO KACHAPAG	79 2.6+1 8.4+1	Haasbroek+	NUMERICAL DATA.	
	Expt 4 EXFORB0098.010	779 2.6+1 8.4+1		. 22 DATA POINTS.	
		⁵⁹ Co(p,2n+p) ⁵⁷ Co σ(E)			
2069	NRL Theo W PREPRINT79KNOX 079	3.5+1	Peterson.	TBL OF PEAK SIGMA. SEMIEMP.	
	Theo W PREPRINT79KNOX 079 TR	8.0+1	Peterson.	CURV. SEMIEMP. CFD EXPT.	
		⁵⁹ Co(p,n+p) ⁵⁸ Co σ(E)			
2070	DAV Expt J PR/C 20	88 779 1.4+1 6.3+1	Schoen+	CURV. STACKED FOILS. CFD OTHERS	
		⁵⁹ Co(p,n+p) ⁵⁸ Co including metastable? σ(E)			
2071	KFK Comp B PH-DAT 15	2 079 2.2+1	Muenzel+	TBL. FROM EXFOR.	
2072	ORL Expt J PR 99	718 55 2.2+1	Cohen+	TBL. NATURAL TARGET.	
	Expt 4 EXFORB0050.008	77 2.2+1		. 54OMB. REL. UNC.=15%. CALIB. UNC.=15%	
		⁵⁹ Co(p,n+p) ⁵⁸ Co σ(E)×factor			
2073	ORL Expt J PR 99	718 55 2.2+1	Cohen+	TBL. CURV. RATIO(P,NP)/(P,2N).	
		⁵⁹ Co(p,n+p) ⁵⁸ Co including metastable σ(E)			
2074	LVN Expt R CSIR-FIS-89	76 2.2+1 8.4+1	Haasbroek+		
	Expt W TO KACHAPAG	79 2.2+1 8.4+1	Haasbroek+	NUMERICAL DATA.	
	Expt 4 EXFORB0098.011	779 2.2+1 8.4+1		. 24 DATA POINTS.	
		⁵⁹ Co(p,n+p) ⁵⁸ Co including metastable thick target yield			
2075	LVN Expt R CSIR-FIS-89	76 2.2+1 8.4+1	Haasbroek+		
	Expt 4 EXFORB0098.011	779 2.2+1 8.4+1		. 24 DATA POINTS.	
		⁵⁹ Co(p,n+p) ⁵⁸ Co σ(E)			
2076	NRL Theo W PREPRINT79KNOX 079	2.4+1	Peterson.	TBL OF PEAK SIGMA. SEMIEMP.	
	Theo W PREPRINT79KNOX 079 TR	8.0+1	Peterson.	CURV. SEMIEMPIRICAL CALC.	
		⁵⁹ Co(p,d) ⁵⁸ Co σ(E)			
2077	NRL Theo W PREPRINT79KNOX 079	1.8+1	Peterson.	TBL OF PEAK SIGMA. SEMIEMP.	
		⁵⁹ Co(p,x) ⁵⁸⁺⁵⁹ Co summation σ(E)			
2078	KLN Exth J NP/A 322	40 679 1.5+1 4.5+1	Michel+	TBL. STACKED FOILS.	
	Expt P NEANDC(E)-202	679 1.2+1 1.5+1	Michel+	TBL. P. 68. STACKED FOILS.	
	Expt P INDC(GER)-2168	679 1.2+1 1.5+1		. SAME AS NEANDC(E)-202. 68.	
		⁵⁹ Co(p,n+p) ⁵⁸⁺⁵⁹ Co summation σ(E)			
2079	KLN Exth J NP/A 322	40 679 1.2+1 5.0+1	Michel+	CURV. HYBRID MOD. ND=3,K=1.	
		⁵⁹ Co(p,n+p) ⁵⁸⁺⁵⁹ Co summation σ(E)			
2080	KLN Exth J NP/A 322	40 679 1.4+1 5.0+1	Michel+	CURV. HYBRID MOD. K=1-3. CFD EX	
		⁵⁹ Co(p,scattering) ⁵⁹ Co σ(E)			
2081	NRL Theo W PREPRINT79KNOX 079	9.7+0	Peterson.	TBL OF PEAK SIGMA. SEMIEMP.	
		⁵⁹ Co(p,inelastic) ⁵⁹ Co partial σ(E)×factor			
2082	IJI Expt J YF 24	461 976 2.6+0 3.0+0	Krivosheva+	CURV. 1099KEV LEVEL. THETA=56	
	Expt J SNP 24	239 77 2.6+0 3.0+0		. TRANSLATION OF YF 24(3), 461(1976).	

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author. Comments
⁵⁹ Co(p,inelastic) ⁵⁹ Co $\sigma(E)$ =factor				
2083 COL Revw C 71ALBANY	505	71	5.0+0 8.0+0	Miller. TBL. (P,INL)/(P,A)
⁵⁹ Co(p,inelastic) ⁵⁹ Co $\sigma(E)$				
2084 LRL Expt J PR 128	291	062	6.0+0 1.2+1	Hansen+ CURV. CALC. CFD. EXP.
2085 NRL Theo W PREPRINT79KNOX	079	3.5+1	6.5+1	Peterson. CURV. FROM LITERATURE.
⁵⁹ Co(p,4n) ⁵⁶ Ni $\sigma(E)$ =abundance				
2086 KLN Exth J NP/A 322	40	679	3.8+1 4.5+1	Michel+ TBL. STACKED FOILS.
⁵⁹ Co(p,4n) ⁵⁶ Ni $\sigma(E)$				
2087 KLN Exth J NP/A 322	40	679	4.4+1 5.0+1	Michel+ CURV. HYBRID MOD. N0=3, K=1.
2088 LVN Expt R CSIR-FIS-89	76	4.9+1	8.4+1	Haasbroek+
Expt W TO KACHAPAG	79	4.9+1	8.4+1	Haasbroek+ NUMERICAL DATA.
Expt 4 EXFORB00098.012	779	4.9+1	8.4+1	. 16 DATA POINTS.
2089 NRL Theo W PREPRINT79KNOX	079	5.1+1		Peterson. TBL OF PEAK SIGMA. SEMIEMP.
2090 KFK Comp B PH-DAT 15	1	079	4.0+2	Muenzel+ TBL. FROM EXFOR.
2091 PUP Expt J PR 178 1732	269	4.0+2		Church+ TBL. STACKED FOILS.
Expt 4 EXFORB00024.003	77	4.0+2		. (0.0065+-0.0010)MB.
⁵⁹ Co(p,4n) ⁵⁶ Ni thick target yield				
2092 LVN Expt R CSIR-FIS-89	76	4.9+1	8.4+1	Haasbroek+
Expt 4 EXFORB00098.012	779	4.9+1	8.4+1	. 16 DATA POINTS.
⁵⁹ Co(p,3n) ⁵⁷ Ni $\sigma(E)$ =abundance				
2093 KLN Exth J NP/A 322	40	679	2.5+1 4.5+1	Michel+ TBL. STACKED FOILS.
⁵⁹ Co(p,3n) ⁵⁷ Ni $\sigma(E)$				
2094 KLN Exth J NP/A 322	40	679	2.6+1 5.0+1	Michel+ CURV. HYBRID MOD. N0=3,K=1.
2095 LVN Expt R CSIR-FIS-89	76	3.3+1	8.4+1	Haasbroek+
Expt W TO KACHAPAG	79	3.3+1	8.4+1	Haasbroek+ NUMERICAL DATA.
Expt 4 EXFORB00098.013	779	3.3+1	8.4+1	. 21 DATA POINTS.
2096 NRL Theo W PREPRINT79KNOX	079	3.9+1		Peterson. TBL OF PEAK SIGMA. SEMIEMP.
Theo W PREPRINT79KNOX	079	TR	8.0+1	Peterson. CURV. SEMIEMPIRICAL CALC.
2097 KFK Comp B PH-DAT 15	1	079	4.0+2	Muenzel+ TBL. FROM EXFOR.
2098 PUP Expt J PR 178 1732	269	4.0+2		Church+ TBL. STACKED FOILS.
Expt 4 EXFORB00024.002	77	4.0+2		. (0.462+-0.116)MB.
⁵⁹ Co(p,3n) ⁵⁷ Ni thick target yield				
2099 LVN Expt R CSIR-FIS-89	76	3.3+1	8.4+1	Haasbroek+
Expt 4 EXFORB00098.013	779	3.3+1	8.4+1	. 21 DATA POINTS.
⁵⁹ Co(p,2n) ⁵⁸ Ni $\sigma(E)$ =factor				
2100 ORL Expt J PR 99	718	55	2.2+1	Cohen+ TBL. CURV. RATIO(P,NP)/(P,2N).
⁵⁹ Co(p,2n) ⁵⁸ Ni $\sigma(E)$				
2101 NRL Theo W PREPRINT79KNOX	079	2.4+1		Peterson. TBL OF PEAK SIGMA. SEMIEMP.
Theo W PREPRINT79KNOX	079	TR	8.0+1	Peterson. CURV. SEMIEMPIRICAL CALC.
⁵⁹ Co(p,n) ⁵⁸ Ni $\sigma(E)$				
2102 CAL Theo R OAP-422	875	TR	1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
2103 ORL Expt P ORNL-2910	25	60	TR	5.4+0 Johnson+ CURV. THICKER TRGT. 4PI DETECT
Expt J PR 109 1243	58	1.9+0	2.5+0	Johnson+ CURV. NAT CO TARGET.
Expt P ORNL-2501	29	58	TR	5.4+0 Johnson+ EXPT. DETAILS.
Expt 4 EXFORB00068.025	678	1.9+0	5.3+0	. 32 DATA POINTS.
Expt 4 EXFORB00046.007	77	1.9+0	2.5+0	. 43 DATA POINTS.
2104 KFK Comp B PH-DAT 15	2	079	1.9+0 1.0+1	Muenzel+ TBL. FROM EXFOR.
2105 KFT Expt R KHFT1-77/7	18	77	2.0+0 3.0+0	Krivonosov+ CURV. SUMMARY.
2106 KTY Expt J IRE 26	1212	279	2.0+0 6.5+0	Gabbard+ CURV. 4PI DETECTOR. CFD THEORY
2107 IJI Expt J UFZ 16	1947	71	2.4+0 3.8+0	Dryapachenko+CURV.LONG CONT. CRY. SPEC
Expt J UPJ 16	2340	78	2.4+0 3.8+0	. TRANSLATION OF UFZ 16(12), 1947(1971)
2108 INU Theo J PR/C 20	1272	079	3.0+0 5.0+0	Kailas+ CURV. OM FIT TO EXP. DATA.
2109 LRL Expt J PR 115	925	59	4.0+0 5.5+0	Alberti. CURV.
Expt W TO ORNL-CPX	64	3.6+0	8.1+0	Alberti.
Expt 4 EXFORB00093.006	579	3.6+0	8.1+0	. 7 DATA POINTS.
2110 ROC Expt J PR 125	291	62	4.5+0 6.7+0	Taketani+ METAL FOIL.
Expt 4 EXFORB00051.006	77	4.4+0	6.6+0	. 4 POINTS. CPX DATA CORRECTED BY COMP
2111 LRL Expt J PR 128	291	062	5.0+0 1.0+1	Hansen+ CURV. LONG COUNTER. CFD. THEORY
Expt J PRL 6	13	61	5.0+0 1.1+1	. PRELIMINARY.
Expt 4 EXFORB00066.003	678	5.0+0	1.0+1	. 6 DATA POINTS.
2112 NRL Theo W PREPRINT79KNOX	079	1.1+1		Peterson. TBL OF PEAK SIGMA. SEMIEMP.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		Type					
			$^{59}\text{Co}(p,n)^{59}\text{Ni}$			$\sigma(E)$	
2112	NRL	Theo W	PREPRINT79KNOX	079	TR	8.0+1 Peterson.	CURV. SEMIEMPIRICAL CALC.
			$^{59}\text{Co}(p,n)^{59}\text{Ni}$			average $\sigma(E)$	
2113	ORL	Expt J	PR/B 136	1719	D64	1.8+0 2.0+0 Johnson+	CURV. FROM 1952+1958 MEAS.
			$^{59}\text{Co}(p,\gamma)^{60}\text{Ni}$			$\sigma(E)$	
2114	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422	875	TR	1.2+1 Woosley+	CURV. HAUSER-FESHBACH.
			$^{59}\text{Co}(p,x)$			Isotopic distribution	$\sigma(E)$
2115	INU	Expt J	PRL 38	950	477	1.4+2	Sadler+ NDG. IN-BEAM SPECTROSCOPY.
			$^{60}\text{Co}(p,\alpha)^{57}\text{Fe}$			$\sigma(E)$	
2116	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{60}\text{Co}(p,n)^{60}\text{Ni}$			$\sigma(E)$	
2117	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{60}\text{Co}(p,\gamma)^{61}\text{Ni}$			$\sigma(E)$	
2118	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{61}\text{Co}(p,\alpha)^{58}\text{Fe}$			$\sigma(E)$	
2119	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{61}\text{Co}(p,n)^{61}\text{Ni}$			$\sigma(E)$	
2120	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{61}\text{Co}(p,\gamma)^{62}\text{Ni}$			$\sigma(E)$	
2121	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{62}\text{Co}(p,\alpha)^{58}\text{Fe}$			$\sigma(E)$	
2122	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{62}\text{Co}(p,n)^{62}\text{Ni}$			$\sigma(E)$	
2123	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{62}\text{Co}(p,\gamma)^{63}\text{Ni}$			$\sigma(E)$	
2124	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{63}\text{Co}(p,\alpha)^{60}\text{Fe}$			$\sigma(E)$	
2125	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{63}\text{Co}(p,n)^{63}\text{Ni}$			$\sigma(E)$	
2126	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{63}\text{Co}(p,\gamma)^{64}\text{Ni}$			$\sigma(E)$	
2127	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{64}\text{Co}(p,\alpha)^{61}\text{Fe}$			$\sigma(E)$	
2128	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			$^{64}\text{Co}(p,n)^{64}\text{Ni}$			$\sigma(E)$	
2129	CAL	Theo J	AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES (cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{64}\text{Co}(p,\gamma)^{65}\text{Ni}$ $\sigma(E)$					
2130	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{65}\text{Co}(p,\alpha)^{62}\text{Fe}$ $\sigma(E)$					
2131	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{65}\text{Co}(p,n)^{65}\text{Ni}$ $\sigma(E)$					
2132	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{65}\text{Co}(p,\gamma)^{66}\text{Ni}$ $\sigma(E)$					
2133	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$\text{Ni}(p,\text{absorption})$ $\sigma(E)$					
2134	IJI Revv J FCY	6	827	75 8.0+0 1.0+2	Nemeis+ CURV. TBL.
	Revv J SJPN	6	335	76 8.0+0 1.0+2	. TRANSLATION OF FCY 6,(4),827(75).
2135	ORL Expt C 77BNL		515	677 2.4+1 6.6+1	Gabriel+ CURV. INTRANUCLEAR CASCADE MOD
$\text{Ni}(p,\text{inelastic})$ compound-nucleus product yield					
2136	RUT Exth A DA/B	38	758	877 NDG	Kanfers. NDG. EXTR. CN ELAS. SIG FRM T
$\text{Ni}(p,\text{elastic})$ compound-nucleus product yield					
2137	RUT Exth A DA/B	38	758	877 NDG	Kanfers. NDG. EXTR. CN ELAS. SIG FRM T
$\text{Ni}(p,x)\gamma$ thick target yield					
2138	CCP Expt R YK- 21		73	76 1.2+1 2.3+1	Malusevich+ CURV. TBL. THETA = 0 DEG.
	Expt R INDICCP1-103		577	1.2+1 2.3+1	.TRANSLATION OF T. OF C.(YK 21,73(1976)
$\text{Ni}(p,x)n$ $\sigma(E)$					
2139	LRL Expt W TO ORNL-CPX		64	7.0+0	Alberti.
	Expt 4 EXFORB0093.007		579	7.0+0	. 1 DATA POINTS.
$\text{Ni}(p,x)^{34}\text{Cl}$ $\sigma(E)$					
2140	MTR Expt J NP/A 169	437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4 EXFORB0085.075		179	6.0+2	. 1 DATA POINT.
$\text{Ni}(p,x)^{36}\text{Ar}$ $\sigma(E)$					
2141	GRA Expt J PR/C	20	1517	079 1.5+2 2.9+4	Regnier. TBL.
$\text{Ni}(p,x)^{38}\text{Ar}$ $\sigma(E)$					
2142	GRA Expt J PR/C	20	1517	079 1.5+2 2.9+4	Regnier. TBL.
$\text{Ni}(p,x)^{39}\text{Ar}$ $\sigma(E)$					
2143	GRA Expt J PR/C	20	1517	079 1.5+2 2.9+4	Regnier. TBL.
$\text{Ni}(p,x)^{42}\text{Ar}$ $\sigma(E)$					
2144	GRA Expt J PR/C	20	1517	079 1.5+2 2.9+4	Regnier. TBL.
$\text{Ni}(p,x)^{42}\text{Ar}$ $\sigma(E)=\text{factor}$					
2145	GRA Expt J PR/C	20	1517	079 1.5+2 2.9+4	Regnier. TBL. ARGON ISOTOPE RATIOS.
$\text{Ni}(p,x)^{46}\text{Ar}$ $\sigma(E)=\text{factor}$					
2146	GRA Expt J PR/C	20	1517	079 1.5+2 2.9+4	Regnier. TBL. ARGON ISOTOPE RATIOS.
$\text{Ni}(p,x)^{48}\text{Ar}$ $\sigma(E)=\text{factor}$					
2147	GRA Expt J PR/C	20	1517	079 1.5+2 2.9+4	Regnier. TBL. ARGON ISOTOPE RATIOS.
$\text{Ni}(p,x)^{49}\text{Ar}$ $\sigma(E)=\text{factor}$					
2148	GRA Expt J PR/C	20	1517	079 1.5+2 2.9+4	Regnier. TBL. ARGON ISOTOPE RATIOS.
$\text{Ni}(p,x)^{42}\text{K}$ $\sigma(E)$					
2149	MTR Expt J NP/A 169	437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4 EXFORB0085.074		179	6.0+2	. 1 DATA POINT.
$\text{Ni}(p,x)^{43}\text{K}$ cumulative $\sigma(E)$					
2150	MTR Expt J NP/A 169	437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4 EXFORB0085.073		179	6.0+2	. 1 DATA POINT.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Ni(p,x) ⁴⁴ Sc σ(E)					
2151	MTR Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.065	179	6.0+2	. 1 DATA POINT.
Ni(p,x) ^{44m} Sc σ(E)					
2152	MTR Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.064	179	6.0+2	. 1 DATA POINT.
Ni(p,x) ⁴⁶ Sc including metastable σ(E)					
2153	MTR Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.063	179	6.0+2	. 1 DATA POINT.
Ni(p,x) ⁴⁷ Sc cumulative? σ(E)					
2154	MTR Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.062	179	6.0+2	. 1 DATA POINT.
Ni(p,x) ⁴⁸ Sc σ(E)					
2155	MTR Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.061	179	6.0+2	. 1 DATA POINT.
Ni(p,x) ^{48V} σ(E)					
2156	MTR Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.060	179	6.0+2	. 1 DATA POINT.
Ni(p,x) ^{53V} σ(E)					
2157	MTR Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.059	179	6.0+2	. 1 DATA POINT.
Ni(p,x) ⁴⁸ Cr σ(E)					
2158	MTR Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.072	179	6.0+2	. 1 DATA POINT.
Ni(p,x) ⁴⁹ Cr σ(E)					
2159	MTR Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.071	179	6.0+2	. 1 DATA POINT.
Ni(p,x) ⁵¹ Cr cumulative σ(E)					
2160	MTR Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.070	179	6.0+2	. 1 DATA POINT.
Ni(p,x) ⁵⁰ Cr σ(E)					
2161	MTR Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.069	179	6.0+2	. 1 DATA POINT.
Ni(p,x) ⁵² Mn including metastable σ(E)					
2162	KLN Expt J	JP/A 286 393	78	1.2+1	4.4+1 Michel+ TBL. CURV. STCKD FOILS. AT JUL.
	Expt 4	EXFORB0083.010	179	3.9+1	4.5+1 . 4 DATA POINTS.
Ni(p,x) ^{52m} Mn σ(E)					
2163	MTR Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.068	179	6.0+2	. 1 DATA POINT.
Ni(p,x) ^{52m} Mn σ(E)					
2164	MTR Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.067	179	6.0+2	. 1 DATA POINT.
Ni(p,x) ⁵⁴ Mn σ(E)					
2165	MTR Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.068	179	6.0+2	. 1 DATA POINT.
Ni(p,x) ⁵⁶ Mn σ(E)					
2166	MTR Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.067	179	6.0+2	. 1 DATA POINT.
Ni(p,x) ⁵² Fe σ(E)					
2167	MTR Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.066	179	6.0+2	. 1 DATA POINT.
Ni(p,x) ⁵⁶ Co σ(E)					
2168	KLN Expt J	JP/A 286 393	78	1.2+1	4.4+1 Michel+ TBL. CURV. STCKD FOILS. AT JUL.
	Expt 4	EXFORB0083.005	179	1.2+1	4.5+1 . 19 DATA POINTS.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Ni(p,x)⁵⁵Co σ(E)						
2169	LVN	Expt R	CSIR-FIS-89	76	1.8+1	8.4+1 Haasbroek+
		Expt W	TO KACHAPAG	79	1.8+1	8.4+1 Haasbroek+ NUMERICAL DATA.
		Expt 4	EXFORB0098.014	779	1.8+1	8.4+1 . 27 DATA POINTS.
2170	MTR	Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL, G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.058	179	6.0+2	. 1 DATA POINT.
Ni(p,x)⁵⁵Co thick target yield						
2171	TOK	Eval J	ARI 30 625	79	1.0+1	5.5+1 Watanabe+ CURV. FROM THIS WORK.
2172	LVN	Expt R	CSIR-FIS-89	76	1.8+1	8.4+1 Haasbroek+
		Expt 4	EXFORB0098.014	779	1.8+1	8.4+1 . 27 DATA POINTS.
Ni(p,x)⁵⁶Co σ(E)						
2173	KLN	Expt J	ZP/A 285 393	78	1.2+1	4.4+1 Michel+ TBL. CURV. STCKD FOILS. AT JUL.
		Expt 4	EXFORB0083.006	179	1.6+1	4.5+1 . 17 DATA POINTS.
2174	MTR	Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL, G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.057	179	6.0+2	. 1 DATA POINT.
Ni(p,x)⁵⁶Co cumulative σ(E)						
2175	LVN	Expt J	ARI 28 533	77	2.5+1	8.5+1 Haasbroek+ NDG. STCKD-FOILS. RES. ACT.
		Expt R	CSIR-FIS-89	76	1.8+1	8.4+1 Haasbroek+
		Expt W	TO KACHAPAG	79	1.8+1	8.4+1 Haasbroek+ NUMERICAL DATA.
		Expt 4	EXFORB0098.004	779	1.8+1	8.4+1 . 28 DATA POINTS.
Ni(p,x)⁵⁶Co cumulative thick target yield						
2176	LVN	Expt J	ARI 28 533	77	2.5+1	8.5+1 Haasbroek+ TBL. FRM STCKD-FOIL RESULT
		Expt R	CSIR-FIS-89	76	2.5+1	8.5+1 Haasbroek+
		Expt 4	EXFORB0098.004	779	1.8+1	8.4+1 . 32 DATA POINTS.
2177	MRY	Expt J	ARI 28 533	77	1.0+2	Haasbroek+ 750. CI/AH. FRM STCKD-FOIL
		Expt R	CSIR-FIS-89	76	1.0+2	Haasbroek+
		Expt 4	EXFORB0098.004	779	1.0+2	. 1 DATA POINT.
Ni(p,x)⁵⁶Co thick target yield						
2178	TOK	Eval J	ARI 30 625	79	2.8+1	5.5+1 Watanabe+ CURV. FROM THIS WORK.
Ni(p,x)⁵⁷Co σ(E)						
2179	KLN	Expt J	ZP/A 285 393	78	1.2+1	4.4+1 Michel+ TBL. OFF-LINE GAMMA SPECT. CURV
2180	MCO	Expt 4	EXFORB0083.007	179	1.2+1	4.5+1 . 19 DATA POINTS.
2181	MTR	Expt J	NP/A 169 437	71	6.0+2	Cline+ TBL, G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.056	179	6.0+2	. 1 DATA POINT.
Ni(p,x)⁵⁷Co cumulative σ(E)						
2182	LVN	Expt J	ARI 28 533	77	2.5+1	8.5+1 Haasbroek+ NDG. STCKD-FOILS. RES. ACT.
		Expt R	CSIR-FIS-89	76	1.8+1	8.4+1 Haasbroek+
		Expt W	TO KACHAPAG	79	1.8+1	8.4+1 Haasbroek+ NUMERICAL DATA.
		Expt 4	EXFORB0098.005	779	1.8+1	8.4+1 . 28 DATA POINTS.
Ni(p,x)⁵⁷Co cumulative thick target yield						
2183	LVN	Expt J	ARI 28 533	77	2.5+1	8.5+1 Haasbroek+ TBL. FRM STCKD-FOIL RESULT
		Expt R	CSIR-FIS-89	76	1.8+1	8.4+1 Haasbroek+
		Expt 4	EXFORB0098.005	779	1.8+1	8.4+1 . 33 DATA POINTS.
2184	MRY	Expt J	ARI 28 533	77	1.0+2	Haasbroek+ 356. CI/AH. FRM STCKD-FOIL
		Expt R	CSIR-FIS-89	76	1.0+2	Haasbroek+
		Expt 4	EXFORB0098.005	779	1.0+2	. 1 DATA POINT.
Ni(p,x)⁵⁷Co thick target yield						
2185	TOK	Eval J	ARI 30 625	79	1.8+1	5.5+1 Watanabe+ CURV. FROM THIS WORK.
Ni(p,x)⁵⁸Co including metastable σ(E)						
2186	KLN	Expt J	ZP/A 285 393	78	1.2+1	4.4+1 Michel+ TBL. CURV. STCKD FOILS. AT JUL.
		Expt 4	EXFORB0083.008	179	1.2+1	4.5+1 . 19 DATA POINTS.
2187	LVN	Expt J	ARI 28 533	77	2.5+1	8.5+1 Haasbroek+ NDG. STCKD-FOILS. RES. ACT.
		Expt W	TO KACHAPAG	79	1.8+1	8.4+1 Haasbroek+ NUMERICAL DATA.
		Expt R	CSIR-FIS-89	76	1.8+1	8.4+1 Haasbroek+
		Expt 4	EXFORB0098.006	779	1.8+1	8.4+1 . 28 DATA POINTS.
Ni(p,x)⁵⁸Co cumulative thick target yield						
2188	LVN	Expt J	ARI 28 533	77	2.5+1	8.5+1 Haasbroek+ TBL. FRM STCKD-FOIL RESULT
		Expt 4	EXFORB0098.006	779	1.8+1	8.5+1 . 32 DATA POINTS.
2189	MRY	Expt J	ARI 28 533	77	1.0+2	Haasbroek+ 310. CI/AH. FRM STCKD-FOIL
		Expt 4	EXFORB0098.006	779	1.0+2	. 1 DATA POINT

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Ni(p,x) ⁵⁸ Co including metastable thick target yield						
2190	LVN	Expt J	ARI 28 533	77 2.5+1	8.5+1	Haasbroek+ NDG. STCKD-FOILS. RES. ACT.
		Expt R	CSIR-FIS-89	76 1.8+1	8.4+1	Haasbroek+
		Expt 4	EXFORB0098.006	779 1.8+1	8.5+1	. 32 DATA POINTS.
2191	MRY	Expt J	ARI 28 533	77 1.0+2		Haasbroek+ NDG. STCKD-FOILS. RES. ACT.
		Expt R	CSIR-FIS-89	76 1.0+2		Haasbroek+
		Expt 4	EXFORB0098.006	779 1.0+2		. 1 DATA POINT.
Ni(p,x) ⁵⁸ Co thick target yield						
2192	TOK	Eval J	ARI 30 625	79 3.2+1	5.5+1	Watanabe+ CURV. FROM THIS WORK.
Ni(p,x) ⁵⁸ Co σ(E)						
2193	MTR	Expt J	NP/A 169 437	71 6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.055	179 6.0+2		. 1 DATA POINT.
Ni(p,x) ⁵⁸ Co σ(E)						
2194	MTR	Expt J	NP/A 169 437	71 6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.054	179 6.0+2		. 1 DATA POINT.
Ni(p,x) ⁵⁸ Co summation σ(E)						
2195	KLN	Expt P	NEANDC(E)-202	679 7.8+0	1.6+1	Michel+ TBL. P. 68. STACKED FOILS.
		Expt P	INDC(GER)-2168	679 7.8+0	1.6+1	. SAME AS NEANDC(E)-202, 68.
		Expt P	NEANDC(E)-202	679 NDG		Michel+ NDG. P. 68. EXT. OF PREV. WORK.
		Expt P	INDC(GER)-2168	679 NDG		. SAME AS NEANDC(E)-202, 68.
		Expt P	JUEL-SPEZ-1518	678 1.0+1	4.5+1	Michel+ CURV.
Ni(p,x) ⁶⁰ Co including metastable σ(E)						
2196	KLN	Expt J	JP/A 286 393	78 1.2+1	4.4+1	Michel+ TBL. CURV. STCKD FOILS. AT JUL.
		Expt 4	EXFORB0083.009	179 2.4+1	4.5+1	. 12 DATA POINTS.
2197	TOK	Expt J	JIN 34 2419	72 1.6+1	5.7+1	Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
		Expt 4	EXFORB0020.021	076 1.6+1	5.7+1	. 15 DATA POINTS.
2198	KFK	Comp B	PH-DAT 15 2 079	2.4+1	4.5+1	Muenzel+ TBL. FROM EXFOR.
		Comp B	PH-DAT 15 1 079	1.6+1	5.7+1	Muenzel+ TBL. FROM EXFOR.
2199	MTR	Expt J	NP/A 169 437	71 6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.053	179 6.0+2		. 1 DATA POINT.
Ni(p,x) ⁶⁰ Co summation σ(E)						
2200	KLN	Expt P	NEANDC(E)-202	679 NDG		Michel+ NDG. P. 68. EXT. OF PREV. WORK.
		Expt P	INDC(GER)-2168	679 NDG		. SAME AS NEANDC(E)-202, 68.
		Expt P	JUEL-SPEZ-1518	678 1.0+1	4.5+1	Michel+ CURV.
Ni(p,x) ⁶¹ Co cumulative σ(E)						
2201	MTR	Expt J	NP/A 169 437	71 6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.052	179 6.0+2		. 1 DATA POINT.
Ni(p,x) ⁵⁸ Ni σ(E)						
2202	KLN	Expt P	NEANDC(E)-202	679 NDG		Michel+ NDG. P. 68. EXT. OF PREV. WORK.
		Expt P	INDC(GER)-2168	679 NDG		. SAME AS NEANDC(E)-202, 68.
		Expt P	JUEL-1976	28 76 1.8+1	4.5+1	Herr+ CURV. STACKED-FOILS.
2203	LVN	Expt W	TO KACHAPAG	79 3.0+1	8.4+1	Haasbroek+ NUMERICAL DATA.
		Expt R	CSIR-FIS-89	76 3.0+1	8.4+1	Haasbroek+
		Expt 4	EXFORB0098.015	779 3.0+1	8.4+1	. 24 DATA POINTS.
2204	MTR	Expt J	NP/A 169 437	71 6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt 4	EXFORB0085.051	179 6.0+2		. 1 DATA POINT.
Ni(p,x) ⁵⁸ Ni thick target yield						
2205	LVN	Expt R	CSIR-FIS-89	76 3.0+1	8.4+1	Haasbroek+
		Expt 4	EXFORB0098.015	779 3.0+1	8.4+1	. 24 DATA POINTS.
2206	TOK	Eval J	ARI 3U 625	79 3.0+1	5.5+1	Watanabe+ CURV. FROM THIS WORK.
Ni(p,x) ⁵⁷ Ni σ(E)						
2207	KLN	Expt P	NEANDC(E)-202	679 1.3+1	1.6+1	Michel+ TBL. P. 68. STACKED FOILS.
		Expt P	INDC(GER)-2168	679 1.3+1	1.6+1	. SAME AS NEANDC(E)-202, 68.
		Expt P	NEANDC(E)-202	679 NDG		Michel+ NDG. P. 68. EXT. OF PREV. WORK.
		Expt P	INDC(GER)-2168	679 NDG		. SAME AS NEANDC(E)-202, 68.
		Expt P	JUEL-1976	28 76 1.1+1	4.5+1	Herr+ CURV. STACKED-FOILS.
2208	LVN	Expt W	TO KACHAPAG	79 1.8+1	8.4+1	Haasbroek+ NUMERICAL DATA.
		Expt R	CSIR-FIS-89	76 1.8+1	8.4+1	Haasbroek+
		Expt 4	EXFORB0098.016	779 1.8+1	8.4+1	. 27 DATA POINTS.
2209	IKO	Expt P	A-IKO-77	63 77 5.0+1		Brinkman+ NDG. MONITOR. IN RRL 28, 9.
2210	MTR	Expt J	NP/A 169 437	71 6.0+2		Cline+ TBL. G-TECH. CFD. CALCULATED

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Ni(p,x)⁵⁷Ni σ(E)					
2210	MTR Expt 4	EXFORB0085.050	179	6.0+2	. 1 DATA POINT.
Ni(p,x)⁵⁷Ni {thick target yield					
2211	TOK Eval J	ARI 30 625	79	1.5+1	5.5+1 Watanabe+ CURV. FROM THIS WORK.
2212	LVN Expt R	CSIR-F15-89	76	1.8+1	8.4+1 Haasbrook+ Expt 4 EXFORB0098.016 779 1.8+1 8.4+1 . 27 DATA POINTS.
Ni(p,x)⁶¹Cu σ(E)					
2213	KLN Expt J	ZP/A 286 393	78	1.2+1	4.4+1 Michel+ TBL. CURV. STOCKD FOILS. AT JUL. Expt 4 EXFORB0083.002 179 1.2+1 4.5+1 . 19 DATA POINTS.
⁵²Ni(p,total) σ(E)					
2214	IJI Revw J	FCY 6 827	75	2.8+1	Nemets+ Revw J SJPN 6 325 76 2.8+1 . TRANSLATION OF FCY 6,(4),827(75).
⁵⁵Ni(p,γ)⁵⁸Cu σ(E)					
2215	CAL Theo J	AND 22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. Theo J AND 22 371 N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁶Ni(p,total) σ(E)					
2216	IJI Revw J	FCY 6 827	75	1.0+1	1.0+2 Nemets+ CURV. DEPENDENCE ON A. Revw J SJPN 6 325 76 1.0+1 1.0+2 . TRANSLATION OF FCY 6,(4),827(75).
⁵⁶Ni(p,γ)⁵⁷Cu σ(E)					
2217	CAL Theo J	AND 22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. Theo J AND 22 371 N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁷Ni(p,γ)⁵⁸Cu σ(E)					
2218	CAL Theo J	AND 22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. Theo J AND 22 371 N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁸Ni(p,x) emission σ(E)					
2219	MRY Expt J	PR/C 19 698	379	9.0+1	1.0+2 Wu+ TBL. CHARGED-PARTICLE EMISSION.
⁵⁸Ni(p,x) emission σ(E)×factor					
2220	MRY Expt J	PR/C 19 698	379	9.0+1	1.0+2 Wu+ TBL. RATIO TO CHRGD-PARTICLE EMISS.
⁵⁸Ni(p,x) partial σ(E)					
2221	ANL Revw C	75MRYLND 329	75	2.0+2	Schiffer+.TBL.SUM SIG(N-Z=4)+ SIG(N-Z=2)
⁵⁸Ni(p,absorption) σ(E)×factor					
2222	MRY Expt J	PR/C 19 698	379	9.0+1	1.0+2 Wu+ TBL. RATIO TO REACTION SIGMA
⁵⁸Ni(p,absorption) partial σ(E)					
2223	INU Expt J	PRL 38 950	477	8.0+1	1.6+2 Sadler+ TBL. SUM OF 27 PRODUCT SIGMA.
⁵⁸Ni(p,absorption) σ(E)					
2224	ORL Theo C	77BNL 515	77	2.8+1	6.5+1 Gabriel+CURV. INTRA-NUCLEAR CASCADE MOD
2225	IJI Revw J	FCY 6 827	75	6.1+1	Nemets+ CURV. DEPENDENCE ON A**(2/3). Revw J FCY 6 827 75 8.8+0 6.1+1 Nemets+ TBL. Revw J SJPN 6 325 76 8.8+0 6.1+1 . TRANSLATION OF FCY 6,(4),827(1975).
2226	INU Expt A	BAP 21 979	76	8.0+1	1.4+2 Jastrzebski+ NDG.
⁵⁸Ni(p,total) σ(E)					
2227	IJI Revw J	FCY 6 827	75	8.8+0	1.0+2 Nemets+ CURV. DEPENDENCE ON A,Z. AND N Revw J SJPN 6 325 76 8.8+0 1.0+2 . TRANSLATION OF FCY 6,(4),827(75).
⁵⁸Ni(p,total) partial σ(E)					
2228	LAS Expt P	ANL-76-96 17	77	2.0+2	Jackson+ APP. 500MB.
⁵⁸Ni(p,x)γ σ(E)					
2229	LAS Expt P	ANL-76-96 17	77	2.0+2	Jackson+ NDG.
⁵⁸Ni(p,x)¹H emission σ(E)					
2230	MRY Expt J	PR/C 19 698	379	9.0+1	1.0+2 Wu+ TBL. FROM CHARGED-PARTICLE SPECTRA Expt C 75MRYLND 360 75 1.0+2 Wu+ (890+30)MB. 12-98MEV. TRIPLE COUNT
⁵⁸Ni(p,x)¹H partial emission σ(E)					
2231	MRY Expt J	PR/C 19 698	379	9.0+1	Wu+ TBL. DISCRETE FRM CHRGD-PART. SPEC. Expt J PR/C 19 698 379 9.0+1 Wu+ TBL.NON-EQUIL FRM CHRGD-PART. SPEC.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
⁵⁸ Ni(p,x) ¹ H emission $\sigma(E)$ factor						
2232	MRY Expt J PR/C	19	698	379 9.0+1	1.0+2 Wu+	TBL. RATIO TO CHRGD-PARTICLE EMISS.
	Expt J PR/C	19	698	379 9.0+1	1.0+2 Wu+	TBL. RATIO TO REACTION SIGMA
⁵⁸ Ni(p,x) ¹ H compound-nucleus emission $\sigma(E)$						
2233	MRY Expt J PR/C	19	698	379 9.0+1	Wu+	TBL. EVAPOR. FROM CHRGD-PART. SPEC.
⁵⁸ Ni(p,x) ¹ H $\sigma(E)$						
2234	BNL Theo C 77BNL		491	77 1.0+1	2.0+2 Divadeenam.	CURV. GDH+PREEQUILIBRIUM.
⁵⁸ Ni(p,x) ² H $\sigma(E)$						
2235	BNL Theo C 77BNL		491	77 2.0+1	2.0+2 Divadeenam.	CURV. GDH+PREEQUILIBRIUM.
2236	MRY Expt J PR/C	19	698	379 9.0+1	1.0+2 Wu+	TBL. FROM CHARGED-PARTICLE SPECTRA
	Expt C 75MRYLND		360	75 1.0+2	Wu+	(87+-10)MB. 15-98MEV. TRIPLE COUNT.
⁵⁸ Ni(p,x) ² H partial $\sigma(E)$						
2237	MRY Expt J PR/C	19	698	379 9.0+1	Wu+	TBL. DISCRETE FRM CHRGD-PART. SPEC.
	Expt J PR/C	19	698	379 9.0+1	Wu+	TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
⁵⁸ Ni(p,x) ² H $\sigma(E)$ factor						
2238	MRY Expt J PR/C	19	698	379 9.0+1	1.0+2 Wu+	TBL. RATIO TO CHRGD-PARTICLE EMISS.
	Expt J PR/C	19	698	379 9.0+1	1.0+2 Wu+	TBL. RATIO TO REACTION SIGMA
⁵⁸ Ni(p,x) ² H compound-nucleus $\sigma(E)$						
2239	MRY Expt J PR/C	19	698	379 9.0+1	Wu+	TBL. EVAPOR. FROM CHRGD-PART. SPEC.
⁵⁸ Ni(p,x) ³ H $\sigma(E)$						
2240	BNL Theo C 77BNL		491	77 1.0+1	2.0+2 Divadeenam.	CURV. GDH+PREEQUILIBRIUM.
2241	MRY Expt J PR/C	19	698	379 9.0+1	1.0+2 Wu+	TBL. FROM CHARGED-PARTICLE SPECTRA
	Expt C 75MRYLND		360	75 1.0+2	Wu+	(9+-31)MB. 18-98MEV. TRIPLE COUNT.
⁵⁸ Ni(p,x) ³ H partial $\sigma(E)$						
2242	MRY Expt J PR/C	19	698	379 9.0+1	Wu+	TBL. DISCRETE FRM CHRGD-PART. SPEC.
	Expt J PR/C	19	698	379 9.0+1	Wu+	TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
⁵⁸ Ni(p,x) ³ H $\sigma(E)$ factor						
2243	MRY Expt J PR/C	19	698	379 9.0+1	1.0+2 Wu+	TBL. RATIO TO CHRGD-PARTICLE EMISS.
	Expt J PR/C	19	698	379 9.0+1	1.0+2 Wu+	TBL. RATIO TO REACTION SIGMA
⁵⁸ Ni(p,x) ³ H compound-nucleus $\sigma(E)$						
2244	MRY Expt J PR/C	19	698	379 9.0+1	Wu+	TBL. EVAPOR. FROM CHRGD-PART. SPEC.
⁵⁸ Ni(p,x) ³ He $\sigma(E)$						
2245	BNL Theo C 77BNL		491	77 3.5+1	2.0+2 Divadeenam.	CURV. GDH+PREEQUILIBRIUM.
2246	MRY Expt J PR/C	19	698	379 9.0+1	1.0+2 Wu+	TBL. FROM CHARGED-PARTICLE SPECTRA
	Expt C 75MRYLND		360	75 1.0+2	Wu+	(13+-4)MB. 8-40MEV. TRIPLE COUNT.
⁵⁸ Ni(p,x) ³ He partial $\sigma(E)$						
2247	MRY Expt J PR/C	19	698	379 9.0+1	Wu+	TBL. DISCRETE FRM CHRGD-PART. SPEC.
	Expt J PR/C	19	698	379 9.0+1	Wu+	TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
⁵⁸ Ni(p,x) ³ He $\sigma(E)$ factor						
2248	MRY Expt J PR/C	19	698	379 9.0+1	1.0+2 Wu+	TBL. RATIO TO CHRGD-PARTICLE EMISS.
	Expt J PR/C	19	698	379 9.0+1	1.0+2 Wu+	TBL. RATIO TO REACTION SIGMA
⁵⁸ Ni(p,x) ³ He compound-nucleus $\sigma(E)$						
2249	MRY Expt J PR/C	19	698	379 9.0+1	Wu+	TBL. EVAPOR. FROM CHRGD-PART. SPEC.
⁵⁸ Ni(p,x) ⁴ He $\sigma(E)$						
2250	BNL Theo C 77BNL		491	77 3.0+1	2.0+2 Divadeenam.	CURV. GDH+PREEQUILIBRIUM.
2251	MRY Expt J PR/C	19	698	379 9.0+1	1.0+2 Wu+	TBL. FROM CHARGED-PARTICLE SPECTRA
	Expt C 75MRYLND		360	75 1.0+2	Wu+	(120+-14)MB. 8-47MEV. TRIPLE COUNT.
⁵⁸ Ni(p,x) ⁴ He partial $\sigma(E)$						
2252	MRY Expt J PR/C	19	698	379 9.0+1	Wu+	TBL. DISCRETE FRM CHRGD-PART. SPEC.
	Expt J PR/C	19	698	379 9.0+1	Wu+	TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
⁵⁸ Ni(p,x) ⁴ He $\sigma(E)$ factor						
2253	MRY Expt J PR/C	19	698	379 9.0+1	1.0+2 Wu+	TBL. RATIO TO CHRGD-PARTICLE EMISS.
	Expt J PR/C	19	698	379 9.0+1	1.0+2 Wu+	TBL. RATIO TO REACTION SIGMA

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{58}\text{Ni}(p,x)^4\text{He}$ compound-nucleus $\sigma(E)$			
2254	MRY Expt J PR/C	19 698 379	9.0+1		Wu+ TBL. EVAPOR. FROM CHRGD-PART. SPEC.
		$^{58}\text{Ni}(p,x)^{17}\text{N}$ $\sigma(E)$			
2255	LIN Expt J YF	25 1140 677	1.0+3		Balist+ BORON-LOADED SCIN IN PARAFFIN.
	Expt 4 EXFORA0013.002	379 1.0+3			. 1 DATA POINT.
		$^{58}\text{Ni}(p,n+2p+a)^{52}\text{Mn}$ $\sigma(E)$			
2256	NRL Theo W PREPRINT79KNOX	079 4.0+1	5.5+1		Peterson. CURV. FROM LITERATURE.
		$^{58}\text{Ni}(p,n+2p+a)^{52}\text{Mn}$ $\sigma(E)$			
2257	KFK Comp B PH-DAT	15 1 079	3.9+1	5.6+1	Muenzel+ TBL. FROM EXFOR.
2258	TOK Expt J JIN	34 2419 72	3.9+1	5.6+1	Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFORB0020.009	076 3.9+1	5.6+1		. 8 DATA POINTS.
		$^{58}\text{Ni}(p,2n+p+a)^{52}\text{Fe}$ thick target yield			
2259	IKO Expt P A-IKO-75	41 76	5.5+1		Leurs+ 40 MUC1/MUA-H.
		$^{58}\text{Ni}(p,2n+p+a)^{52}\text{Fe}$ cumulative $\sigma(E)$			
2260	KFK Comp B PH-DAT	15 1 079	4.2+1	5.6+1	Muenzel+ TBL. FROM EXFOR.
2261	TOK Expt J JIN	34 2419 72	4.2+1	5.6+1	Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFORB0020.006	076 4.2+1	5.6+1		. 6 DATA POINTS.
		$^{58}\text{Ni}(p,n+p+a)^{53}\text{Fe}$ cumulative including metastable? $\sigma(E)$			
2262	KFK Comp B PH-DAT	15 1 079	3.3+1	5.6+1	Muenzel+ TBL. FROM EXFOR.
2263	TOK Expt J JIN	34 2419 72	3.3+1	5.6+1	Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFORB0020.005	076 3.3+1	5.6+1		. 8 DATA POINTS.
		$^{58}\text{Ni}(p,n+p+a)^{53}\text{Fe}$ $\sigma(E)$			
2264	NRL Theo W PREPRINT79KNOX	079 3.2+1	5.5+1		Peterson. CURV. FROM LITERATURE.
	Theo W PREPRINT79KNOX	079 TR	8.0+1		Peterson. CURV. SEMIEMPIRICAL. CALC.
		$^{58}\text{Ni}(p,2n+3p)^{54}\text{Fe}$ $\sigma(E)$			
2265	NRL Theo W PREPRINT79KNOX	079 TR	8.0+1		Peterson. CURV. SEMIEMPIRICAL. CALC.
		$^{58}\text{Ni}(p,p+a)^{54}\text{Fe}$ $\sigma(E)$			
2266	NRL Theo W PREPRINT79KNOX	079 TR	8.0+1		Peterson. CURV. SEMIEMPIRICAL. CALC.
		$^{58}\text{Ni}(p,n+3p)^{55}\text{Fe}$ $\sigma(E)$			
2267	NRL Theo W PREPRINT79KNOX	079 TR	8.0+1		Peterson. CURV. SEMIEMPIRICAL. CALC.
		$^{58}\text{Ni}(p,3p)^{56}\text{Fe}$ $\sigma(E)$			
2268	NRL Theo W PREPRINT79KNOX	079 TR	8.0+1		Peterson. CURV. SEMIEMPIRICAL. CALC.
		$^{58}\text{Ni}(p,3n+2p)^{54}\text{Co}$ $\sigma(E)$			
2269	NRL Theo W PREPRINT79KNOX	079 TR	8.0+1		Peterson. CURV. SEMIEMPIRICAL. CALC.
		$^{58}\text{Ni}(p,x)^{55}\text{Co}$ thick target yield			
2270	TOK Eval J ARI	30 625 79	1.0+1	5.5+1	Watanabe+ CURV. FROM LITERATURE.
		$^{58}\text{Ni}(p,2n+2p)^{55}\text{Co}$ $\sigma(E)$			
2271	NRL Theo W PREPRINT79KNOX	079 4.0+1	5.5+1		Peterson. CURV. FROM LITERATURE.
	Theo W PREPRINT79KNOX	079 TR	8.0+1		Peterson. CURV. SEMIEMPIRICAL. CALC.
		$^{58}\text{Ni}(p,a)^{59}\text{Co}$ $\sigma(E)$			
2272	NRL Theo W PREPRINT79KNOX	079 TR	8.0+1		Peterson. CURV. LITERATURE+SEMIEMP CALC
2273	CAL Theo R OAP-422	875 1.0+0	1.4+1		Woosley+ CURV. HAUSER-FESHBACH.
2274	KFK Comp B PH-DAT	15 1 079	7.4+0	5.6+1	Muenzel+ TBL. FROM EXFOR.
2275	PTN Expt J PR	117 1532 60	7.4+0	1.8+1	Kaufman. CURV. ENRICHED ON PT FOIL.
	Expt 4 EXFORB0055.005	77 7.4+0	1.9+1		. 22 DATA POINTS.
2276	MIL Expt J NC/A	39 171 577	3.7+1		Colli+ (143+-29)MB. E/A INT.
		$^{58}\text{Ni}(p,a)^{59}\text{Co}$ partial $\sigma(E)$			
2277	NOT Expt J PR/C	18 1590 078	1.5+1	1.7+1	Jolivetie+ CURV. E(EXCIT.)=2.0-5.5MEV.
		$^{58}\text{Ni}(p,a)^{59}\text{Co}$ cumulative $\sigma(E)$			
2278	KFK Comp B PH-DAT	15 1 079	9.0+0	5.7+1	Muenzel+ TBL. FROM EXFOR.
2279	TOK Expt J JIN	34 2419 72	9.0+0	5.7+1	Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFORB0020.004	076 9.0+0	5.7+1		. 27 DATA POINTS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
⁵⁰ Ni(p,x) ⁵⁶ Co thick target yield						
2280	TOK Eval J ARI	30 625	79	3.0+1	5.5+1	Watanabe+ CURV. FROM LITERATURE.
⁵⁰ Ni(p,n+2p) ⁵⁶ Co σ(E)						
2281	KFK Comp B PH-DAT	15 1 079	2.7+1	5.6+1	Muenzel+ TBL.	FROM EXFOR.
2282	TOK Expt J JIN	34 2419	72	2.7+1	5.6+1	Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFORB0020.008	076	2.7+1	5.6+1		13 DATA POINTS.
⁵⁰ Ni(p,n+2p) ⁵⁶ Co σ(E)						
2283	NRL Theo W PREPRINT79KNOX	079 TR		8.0+1	Peterson.	CURV. LITERATURE+SEMIEMP CALC
⁵⁰ Ni(p,x) ⁵⁷ Co thick target yield						
2284	TOK Eval J ARI	30 625	79	1.8+1	5.5+1	Watanabe+ CURV. FROM LITERATURE.
⁵⁰ Ni(p,2p) ⁵⁷ Co σ(E)						
2285	NRL Theo W PREPRINT79KNOX	079 TR		8.0+1	Peterson.	CURV. SEMIEMPIRICAL. CALC.
2286	KFK Comp B PH-DAT	15 2 079	1.2+1	2.2+1	Muenzel+ TBL.	FROM EXFOR.
	Comp B PH-DAT	15 1 079	1.3+1	5.7+1	Muenzel+ TBL.	FROM EXFOR.
2287	PTN Expt J PR	117 1532	60	1.2+1	1.9+1	Kaufman. CURV. ENRICHED ON PT FOILS.
	Expt 4 EXFORB0055.003	77	1.2+1	1.9+1		16 DATA POINTS.
2288	TOK Expt J JIN	34 2419	72	1.3+1	5.7+1	Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFORB0020.007	076	1.3+1	5.7+1		22 DATA POINTS.
2289	ORL Expt J PR	99 723	55	2.2+1		Cohen+ TBL. RESIDUAL ACTIVITY.
	Expt 4 EXFORB0049.014	77	2.2+1			680MB. AVE. UNC.=20%. CALIB. UNC.=15%
⁵⁰ Ni(p,x) ⁵⁶ Ni thick target yield						
2290	TOK Eval J ARI	30 625	79	3.0+1	5.5+1	Watanabe+ CURV. FROM LITERATURE.
⁵⁰ Ni(p,2n+p) ⁵⁶ Ni σ(E)×abundance						
2291	KLN Expt J ZP/A	286 393	78	1.2+1	4.4+1	Michel+ TBL. CURV. STCKD FOILS. AT JUL.
	Expt 4 EXFORB0083.003	179	1.8+1	4.5+1		16 DATA POINTS.
⁵⁰ Ni(p,2n+p) ⁵⁶ Ni cumulative σ(E)						
2292	KFK Comp B PH-DAT	15 1 079	2.7+1	5.7+1	Muenzel+ TBL.	FROM EXFOR.
2293	TOK Expt J JIN	34 2419	72	2.7+1	5.7+1	Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFORB0020.003	076	2.7+1	5.7+1		14 DATA POINTS.
⁵⁰ Ni(p,2n+p) ⁵⁶ Ni σ(E)						
2294	NRL Theo W PREPRINT79KNOX	079 TR		8.0+1	Peterson.	CURV. LITERATURE+SEMIEMP CALC
⁵⁰ Ni(p,x) ⁵⁷ Ni thick target yield						
2295	TOK Eval J ARI	30 625	79	1.5+1	5.5+1	Watanabe+ CURV. FROM LITERATURE.
⁵⁰ Ni(p,n+p) ⁵⁷ Ni σ(E)×abundance						
2296	KLN Expt J ZP/A	286 393	78	1.2+1	4.4+1	Michel+ TBL. CURV. STCKD FOILS. AT JUL.
	Expt 4 EXFORB0083.004	179	1.2+1	4.5+1		19 DATA POINTS.
⁵⁰ Ni(p,n+p) ⁵⁷ Ni σ(E)						
2297	KFK Comp B PH-DAT	15 2 079	1.4+1	2.2+1	Muenzel+ TBL.	FROM EXFOR.
2298	PTN Expt J PR	117 1532	60	1.4+1	1.9+1	Kaufman. CURV. ENRICHED ON PT FOILS.
	Expt 4 EXFORB0055.004	77	1.4+1	1.9+1		16 DATA POINTS.
2299	ORL Expt J PR	99 723	55	2.2+1		Cohen+ TBL. RESIDUAL ACTIVITY.
	Expt 4 EXFORB0049.013	77	2.2+1			240MB. AVE. UNC.=20%. CALIB. UNC.=15%
⁵⁰ Ni(p,n+p) ⁵⁷ Ni cumulative σ(E)						
2300	KFK Comp B PH-DAT	15 1 079	1.3+1	5.7+1	Muenzel+ TBL.	FROM EXFOR.
2301	TOK Expt J JIN	34 2419	72	1.3+1	5.7+1	Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFORB0020.002	076	1.3+1	5.7+1		23 DATA POINTS.
⁵⁰ Ni(p,n+p) ⁵⁷ Ni σ(E)						
2302	NRL Theo W PREPRINT79KNOX	079 TR		8.0+1	Peterson.	CURV. LITERATURE+SEMIEMP CALC
⁵⁰ Ni(p,inelastic) ⁵⁰ Ni product yield						
2303	INL Expt A DA/B	37 6203	677	3.1+0	4.2+0	Flynn. NDG.
⁵⁰ Ni(p,inelastic) ⁵⁰ Ni σ(E)						
2304	NRL Theo W PREPRINT79KNOX	079	4.8+1	5.5+1	Peterson.	CURV. FROM LITERATURE.
⁵⁰ Ni(p,elastic) ⁵⁰ Ni product yield						
2305	TNL Expt A DA/B	37 6203	677	3.1+0	4.2+0	Flynn. NDG.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁵⁸ Ni(p,3n) ⁵⁶ Cu σ(E)						
2306	BNL	Theo C	77BNL	491	77 9.0+1	Divadeenam. CURV. GDH+FREEEQUILIBRIUM.
⁵⁸ Ni(p,2n) ⁵⁷ Cu σ(E)						
2307	BNL	Theo C	77BNL	491	77 9.0+1	Divadeenam. LUV. GDH+FREEEQUILIBRIUM.
⁵⁸ Ni(p,n) ⁵⁸ Cu product yield×factor						
2308	WMU	Ext J	P/R C 15	1592	477 9.5+0	Bernstein. NDG. CAL. GEOM. CORR TO E(TH)
⁵⁸ Ni(p,n) ⁵⁸ Cu σ(E)						
2309	CAL	Theo R	OAP-422	875	TR 1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
2310	NRL	Theo W	PREPRINT79KNOX	079	TR 8.0+1	Peterson. CURV. SEMIEMPIRICAL. CALC.
⁵⁸ Ni(p,γ) ⁵⁸ Cu product yield						
2311	MOS	Rev R	PHOTONUCLE	1	78 8.0-1 1.9+0	Varlamov+ NDG. TBL. FROM 90 DEG DATA.
⁵⁸ Ni(p,γ) ⁵⁸ Cu σ(E)						
2312	CAL	Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422	875	TR 1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
2313	IJI	Expt J	IZV 41	2196	77 6.0-1 3.0+0	Krivonozov+ CURV. PROMPT + RESIDUAL ACT
		Expt J	BAS 41	175	78 6.0-1 3.0+0	. TRANSLATION OF IZV 41(10).2196(1977)
2314	CLU	Expt J	AJ 205	302	76 1.3+0 3.4+0	Roughton+ TBL. COEFF. FROM FIT TO TTY.
		Expt C	75WASH	1 69	375 NDG	. MORE TECHNICAL DETAILS.
⁵⁸ Ni(p,γ) ⁵⁸ Cu thick target yield						
2315	CLU	Ext J	AND 23	177	279 1.3+0 3.4+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
		Expt J	AJ 205	302	76 1.3+0 3.4+0	Roughton+ NDG. ALSO STELLAR REACT. RATE
		Expt C	75WASH	1 69	375 1.3+0 3.4+0	Roughton+ NDG. ALSO STELLAR REACT. RATE.
		Expt J	AJ 193	187	074 1.2+0 3.5+0	Roughton+ NDG. ALSO STELLAR REACT. RATE
		Expt J	AJ 188	595	374 NDG	. MORE TECHNICAL DETAILS.
⁵⁸ Ni(p,x)isotopic distribution partial σ(E) _γ ×factor						
2316	LIN	Expt J	ZEP 28	45	778 1.0+3	Volnin+ FACTOR = ENRICHMENT.
		Expt J	IZV 42	2442	78 1.0+3	Selivestrov+ IDENTICAL TO ZEP 28, 45.
		Expt J	JEL 28	42	778 1.0+3	. TRANSLATION OF ZEP 28(1), 45.
		Expt J	BAS 42	194	78 1.0+3	. TRANSLATION OF IZV 42(11).2442.
		Expt 4	EXFORA0025.003	178	1.0+3	. 14 DATA POINTS
⁵⁸ Ni(p,x)isotopic distribution σ(E)						
2317	INU	Expt J	PRL 38	950	477 8.0+1 1.6+2	Sadler+TBL. IN-BEAM G-SPC. 27 PROD(Z=22-8
2318	MIL	Theo C	77TOKYO	725	977 8.0+1 1.4+2	Gadioli+TBL. PREEQ. EXCIT. CFD PRL38.950
2319	ANL	Expt C	75HRYLND	329	75 2.0+2	Schiffer. TBL. PRELIM. G-RAY IDENT.
⁵⁸ Ni(p,p+x)isotopic distribution partial σ(E) _γ ×factor						
2320	LIN	Expt J	ZEP 28	45	778 1.0+3	Volnin+ FACTOR = ENRICHMENT.
		Expt J	IZV 42	2442	78 1.0+3	Selivestrov+ IDENTICAL TO ZEP 28, 45.
		Expt J	JEL 28	42	778 1.0+3	. TRANSLATION OF ZEP 28(1), 45.
		Expt J	BAS 42	194	78 1.0+3	. TRANSLATION OF IZV 42(11).2442.
		Expt 4	EXFORA0025.002	178	1.0+3	. 14 DATA POINTS
⁵⁸ Ni(p,p+x)isotopic distribution partial σ(E) _γ ×factor						
2321	LIN	Expt J	ZEP 28	45	778 1.0+3	Volnin+ FACTOR = ENRICHMENT.
		Expt J	IZV 42	2442	78 1.0+3	Selivestrov+ IDENTICAL TO ZEP 28, 45.
		Expt J	JEL 28	42	778 1.0+3	. TRANSLATION OF ZEP 28(1), 45.
		Expt J	BAS 42	194	78 1.0+3	. TRANSLATION OF IZV 42(11).2442.
		Expt 4	EXFORA0025.002	178	1.0+3	. 14 DATA POINTS
⁵⁸ Ni(p,total) σ(E)						
2322	IJI	Rev J	FCY 6	827	75 8.8+0 1.0+2	Nemets+ CURV. DEPENDENCE ON A.
		Rev J	SJPN 6	325	76 8.8+0 1.0+2	. TRANSLATION OF FCY 6.(4).827(75).
⁵⁸ Ni(p,γ) ⁶⁰ Cu σ(E)						
2323	CAL	Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁰ Ni(p,x) partial σ(E)						
2324	ANL	Rev C	75HRYLND	329	75 2.0+2	Schiffer. TBL. SUM SIG(N-Z=4)+ SIG(N-Z=2)
⁶⁰ Ni(p,absorption) partial σ(E)						
2325	INU	Expt J	PRL 38	950	477 1.4+2	Sadler+ 607MB. SUM OF 28 PROD. SIGMAS.

REFERENCES(cont.)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁶⁰Ni(p,absorption) σ(E)					
2326	IJI Revv J FCY	6	827	75 6.1+1	Nemets+ CURV. DEPENDENCE ON A**(2/3).
	Revv J FCY	6	827	75 8.8+0 6.1+1	Nemets+ TBL.
	Revv J SJPN	6	325	76 8.8+0 6.1+1	. TRANSLATION OF FCY 6.(4).827(1975).
2327	INU Expt A BAP	21	979	76 8.0+1 1.4+2	Jastrzebski+ NDG.
⁶⁰Ni(p,total) σ(E)					
2328	IJI Revv J FCY	6	827	75 2.7+1	Nemets+ CURV. DEPENDENCE ON Z.
	Revv J FCY	6	827	75 1.5+1 6.1+1	Nemets+ CURV. DEPENDENCE ON N.
	Revv J SJPN	6	325	76 1.5+1 6.1+1	. TRANSLATION OF FCY 6.(4).827(75).
⁶⁰Ni(p,total) partial σ(E)					
2329	LAS Expt P ANL-76-96	17	77	2.0+2	Jackson+ APP. 500MB.
⁶⁰Ni(p,x)γ σ(E)					
2330	LAS Expt P ANL-76-96	17	77	2.0+2	Jackson+ NDG.
⁶⁰Ni(p,n+2p+a)⁵⁴Mn σ(E)					
2331	KFK Comp B PH-DAT	15	1	079 4.2+1 5.6+1	Muenzel+ TBL. FROM EXFOR.
2332	TOK Expt J JIN	34	2419	72 4.2+1 5.6+1	Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFORB0020.015		076	4.2+1 5.6+1	. 7 DATA POINTS.
⁶⁰Ni(p,2n+a)⁵⁵Co cumulative σ(E)					
2333	KFK Comp B PH-DAT	15	1	079 3.5+1 5.5+1	Muenzel+ TBL. FROM EXFOR.
2334	TOK Expt J JIN	34	2419	72 3.5+1 5.5+1	Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFORB0020.014		076	3.5+1 5.5+1	. 5 DATA POINTS.
⁶⁰Ni(p,n+a)⁵⁶Co cumulative σ(E)					
2335	KFK Comp B PH-DAT	15	1	079 2.7+1 5.5+1	Muenzel+ TBL. FROM EXFOR.
2336	TOK Expt J JIN	34	2419	72 2.7+1 5.5+1	Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFORB0020.013		076	2.7+1 5.5+1	. 7 DATA POINTS.
⁶⁰Ni(p,α)⁵⁷Co σ(E)					
2337	CAL Theo R OAP-422		875	1.0+0 1.3+1	Woosley+ CURV. HAUSER-FESHBACH.
2338	KFK Comp B PH-DAT	15	2	079 7.4+0 1.3+1	Muenzel+ TBL. FROM EXFOR.
2339	PTN Expt J PR	117	1532	60 7.4+0 1.3+1	Kaufman+ CURV. NATURAL FOILS/AL DEGRADERS
	Expt 4 EXFORB0055.002		77	7.4+0 1.3+1	. 10 DATA POINTS.
⁶⁰Ni(p,α)⁵⁷Co σ(E)					
2340	KFK Comp B PH-DAT	15	1	079 6.8+0 5.5+1	Muenzel+ TBL. FROM EXFOR.
2341	TOK Expt J JIN	34	2419	72 6.8+0 5.5+1	Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFORB0020.011		076	6.8+0 5.5+1	. 15 DATA POINTS.
⁶⁰Ni(p,n+2p)⁵⁸Co including metastable? σ(E)					
2342	KFK Comp B PH-DAT	15	1	079 2.7+1 5.7+1	Muenzel+ TBL. FROM EXFOR.
2343	TOK Expt J JIN	34	2419	72 2.7+1 5.7+1	Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFORB0020.010		076	2.7+1 5.7+1	. 16 DATA POINTS.
⁶⁰Ni(p,3n+p)⁵⁷Ni cumulative σ(E)					
2344	KFK Comp B PH-DAT	15	1	079 4.1+1 5.5+1	Muenzel+ TBL. FROM EXFOR.
2345	TOK Expt J JIN	34	2419	72 4.1+1 5.5+1	Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFORB0020.012		076	4.1+1 5.5+1	. 4 DATA POINTS.
⁶⁰Ni(p,inelastic)⁶⁰Ni product yield					
2346	TNL Expt A DA/B	37	6203	677 3.0+0 3.5+0	Flynn. NDG.
⁶⁰Ni(p,elastic)⁶⁰Ni product yield					
2347	TNL Expt A DA/B	37	6203	677 3.0+0 3.5+0	Flynn. NDG.
⁶⁰Ni(p,n)⁶⁰Cu product yield+factor					
2348	WMU Exth J PR/C	15	1592	477 7.0+0	Bernstein+ NDG. CAL. GEOM. CORR TO E(TH)
⁶⁰Ni(p,n)⁶⁰Cu σ(E)					
2349	CAL Theo R OAP-422		875	TR 1.3+1	Woosley+ CURV. HAUSER-FESHBACH.
2350	TOK Expt J JIN	34	2419	72 6.7+0 1.5+1	Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFORB0020.016		076	6.7+0 1.5+1	. 23 DATA POINTS.
2351	KFK Comp B PH-DAT	15	2	079 1.2+1	Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT	15	1	079 6.7+0 1.5+1	Muenzel+ TBL. FROM EXFOR.
2352	ORL Expt J PR	100	1340	055 1.2+1	Blosser+ TBL. CURV.
	Expt 4 EXFORB0052.004		77	1.2+1	. (370+-65)MB.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁶⁰ Ni(p,γ) ⁶¹ Cu partial relative σ(E)					
2353	ALB Expt J	NP/A 320	385	579 1.8+1	2.9+1 Bokharee+ CURV. EG .GT. 2.7MEV. RED.WID
⁶⁰ Ni(p,γ) ⁶¹ Cu σ(E)					
2354	CAL Theo J AND 22	371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR		1.3+1	Woosley+ CURV. HAUSER-FESHBACH.
2355	IJI Expt J IZV 41	2196 77 6.0-1	3.0+0		Krivososov+ CURV. PROMPT + RESIDUAL ACT
	Expt J BAS 41	175 78 6.0-1	3.0+0		. TRANSLATION OF IZV 41(10).2196(1977)
2356	CLU Expt J AJ 205	302 76 9.8-1	3.0+0		Roughton+ TBL. COEFF. FROM FIT TO TTY.
	Expt C 75WASH 1	69 375 NDG			. MORE TECHNICAL DETAILS.
2357	KFK Comp B PH-DAT 15	2 079 1.0+1	2.3+1		Muenzel+ TBL. FROM EXFOR.
2358	ORL Expt J PR 100	206 055 1.0+1	2.2+1		Cohen. TBL. STACKED FOILS.
	Expt 4 EXFORB0047.004	77 1.0+1	2.3+1		. 4 DATA POINTS.
⁶⁰ Ni(p,γ) ⁶¹ Cu partial raw σ(E)					
2359	DUB Expt J YF 21	919 579 1.7+0	1.9+0		Kraft+ CURV. P1/2+F5/2 ANALOG RESONANCE
	Expt J YF 20	1081 074 1.6+0	1.6+0		Kraft+ CURV. P3/2 ANALOG STATC.
	Expt J SNP 21	472 575 3.1+0	3.3+0		. TRANSLATION OF YF 21. 919(1975).
	Expt J SNP 20	567 074 1.6+0	1.6+0		. TRANSLATION OF YF 20. 1081(1974).
⁶⁰ Ni(p,γ) ⁶¹ Cu thick target yield					
2360	CLU Exth J AND 23	177 279 9.8-1	3.0+0		Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ 205	302 76 9.8-1	3.0+0		Roughton+ NDG. ALSO STELLAR REACT. RATE
	Expt C 75WASH 1	69 375 9.8-1	3.0+0		Roughton+ NDG. ALSO STELLAR REACT. RATE.
	Expt J AJ 193	187 074 1.0+0	3.0+0		Roughton+ NDG. ALSO STELLAR REACT. RATE
	Expt J AJ 188	595 374 NDG			. MORE TECHNICAL DETAILS.
⁶⁰ Ni(p,x)isotopic distribution σ(E)					
2361	INU Expt J PRL 38	950 477 1.4+2			Sadler+TBL. IN-BEAM G-SPC.28PROD(Z=23-28
2362	MIL Theo C 77TOKYO	725 977 1.4+2			Gadioti+TBL.PREEQ.EXCIT. CFD PRL38.950
2363	ANL Expt C 75MRYLND	329 75 2.0+2			Schiffer. TBL. PRELIM. G-RAY IDENT.
⁶¹ Ni(p,α) ⁵⁸ Co including metastable? σ(E)					
2364	KFK Comp B PH-DAT 15	1 079 7.0+0	1.4+1		Muenzel+ TBL. FROM EXFOR.
2365	TOK Expt J JIN 34	2419 72 7.0+0	1.4+1		Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFORB0020.017	076 7.0+0	1.4+1		. 12 DATA POINTS.
⁶¹ Ni(p,α) ⁵⁸ Co σ(E)					
2366	CAL Theo J AND 22	371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 1.0+0	1.2+1		Woosley+ CURV. HAUSER-FESHBACH.
⁶¹ Ni(p,inelastic) ⁶¹ Ni partial σ(E) _γ factor					
2367	IJI Expt J YF 24	461 976 1.6+0	3.0+0		Krivososov+ CURV. 283KEV LEVEL.THETA=56
	Expt J SNP 24	239 77 1.6+0	3.0+0		.TRANSLATION OF YF 24(3). 461(1976).
⁶¹ Ni(p,n) ⁶¹ Cu σ(E)					
2368	CAL Theo R OAP-422	875 TR	1.3+1		Woosley+ CURV. HAUSER-FESHBACH.
2369	TOK Expt J JIN 34	2419 72 2.7+0	1.4+1		Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFORB0020.018	076 2.7+0	1.4+1		. 17 DATA POINTS.
2370	INU Theo J PR/C 20	1272 079 3.0+0	5.0+0		Kailas+ CURV. OM FIT TO EXP. DATA.
2371	KFK Comp B PH-DAT 15	2 079 3.1+0	1.4+1		Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT 15	1 079 2.7+0	1.4+1		Muenzel+ TBL. FROM EXFOR.
2372	ORL Expt P ORNL-2910	25 60 3.1+0	6.0+0		Johnson+ CURV. THICKER TRGT. 4PI DETECT
	Expt P ORNL-2501	29 58 3.1+0	6.0+0		Johnson+ EXPT. DETAILS.
	Expt 4 EXFORB0058.007	678 3.1+0	6.0+0		. 20 DATA POINTS.
2373	TOK Expt J JPJ 14	1269 59 4.8+0	1.4+1		Tanaka+ CURV. NATURAL FOIL.
	Expt 4 EXFORB0043.008	77 4.8+0	1.4+1		. 14 DATA POINTS.
2374	ORL Expt J PR 100	1340 055 1.2+1			Blosser+ TBL. CURV.
	Expt 4 EXFORB0052.005	77 1.2+1			. (590+-160)MB.
⁶¹ Ni(p,n) ⁶¹ Cu partial σ(E)					
2375	WAS Expt A DA/B 36	4473 76 4.1+0	5.3+0		Braga. NDG. PARTIALS TO FIRST 5 EXC. ST
⁶¹ Ni(p,n) ⁶¹ Cu raw σ(E)					
2376	ORL Expt J PR/B 136	1719 D64	2.9+0	3.4+0	Johnson+ CURV. FROM 1953+1960 MEAS.
⁶¹ Ni(p,γ) ⁶² Cu σ(E)					
2377	CAL Theo J AND 22	371 N70 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont.)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{61}\text{Ni}(p,\gamma)^{62}\text{Cu}$ $\sigma(E)$					
2377	CAL Theo R OAP-422	875	TR	1.3+1	Woosley+ CURV. HAUSER-FESHBACH.
2378	IJI Expt J IZV 41	2196	77 6.0-1	3.0+0	Krivososov+ CURV. PROMPT + RESIDUAL ACT
	Expt J BAS 41	175	78 6.0-1	3.0+0	. TRANSLATION OF IZV 41(10), 2196(1977)
2379	CLU Expt J AJ 205	302	76 9.8-1	3.5+0	Roughion+ TBL. COEFF. FROM FIT TO TTY.
	Expt C 75WASH 1	69 375	NDG		. MORE TECHNICAL DETAILS.
$^{61}\text{Ni}(p,\gamma)^{62}\text{Cu}$ product yield					
2380	LND Expt P KDK-23	17 478	NDG		Erlandsson+ NDG. AVE. RES. SPECT. METH
$^{61}\text{Ni}(p,\gamma)^{62}\text{Cu}$ thick target yield					
2381	CLU Exth J AND 23	177 279	9.8-1	3.5+0	Roughion+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ 205	302 76	9.8-1	3.5+0	Roughion+ NDG. ALSO STELLAR REACT. RATE
	Expt C 75WASH 1	69 375	9.8-1	3.5+0	Roughion+ NDG. ALSO STELLAR REACT. RATE.
	Expt J AJ 193	187 074	1.0+0	3.5+0	Roughion+ NDG. ALSO STELLAR REACT. RATE
	Expt J AJ 188	595 374	NDG		. MORE TECHNICAL DETAILS.
$^{61}\text{Ni}(p,x)$ isotopic distribution $\sigma(E)$					
2382	INU Expt W IUCFNEWSLETTER	77	NDG		Singh+ NDG. HIGH-ENERGY PROTONS.
$^{62}\text{Ni}(p,\text{absorption})$ partial $\sigma(E)$					
2383	INU Expt J PRL 38	950 477	1.4+2		Sadler+ 54MB. SUM OF 43 PROD. SIGMAS.
$^{62}\text{Ni}(p,\text{absorption})$ $\sigma(E)$					
2384	IJI Revv J FCY 6	827 75	6.1+1		Nemets+ CURV. DEPENDENCE ON A**(2/3).
	Revv J FCY 6	827 75	1.5+1	6.1+1	Nemets+ TBL.
	Revv J SJPN 6	325 76	1.5+1	6.1+1	. TRANSLATION OF FCY 6,(4), 827(1975).
$^{62}\text{Ni}(p,\text{total})$ $\sigma(E)$					
2385	IJI Revv J FCY 6	827 75	2.8+1		Nemets+ CURV. DEPENDENCE ON A.
	Revv J FCY 6	827 75	1.5+1	6.1+1	Nemets+ CURV. DEPENDENCE ON N AND Z
	Revv J SJPN 6	325 76	1.4+1	6.1+1	. TRANSLATION OF FCY 6,(4), 827(1975).
$^{62}\text{Ni}(p,x)^{17}\text{N}$ $\sigma(E)$					
2386	LIN Expt J YF 25	1140 677	1.0+3		Balist+ BORON-LOADED SCIN IN PARAFFIN.
	Expt 4 EXFORA0013.002	379 1.0+3			. 1 DATA POINT.
$^{62}\text{Ni}(p,\alpha)^{58}\text{Co}$ $\sigma(E)$ =factor					
2387	COL Revv C 71ALBANY	505 71	7.0+0	1.2+1	Miller. TBL. (P,INL)/(P,A)
$^{62}\text{Ni}(p,\alpha)^{58}\text{Co}$ $\sigma(E)$					
2388	CAL Theo J AND 22	371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 1.0+0	1.2+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{62}\text{Ni}(p,2p)^{61}\text{Co}$ $\sigma(E)$ =factor					
2389	COL Revv C 71ALBANY	505 71	3.0+1	4.5+1	Miller. CURV. (P,2P)/(P,2N)
$^{62}\text{Ni}(p,n+p)^{61}\text{Ni}$ $\sigma(E)$ =factor					
2390	ORL Expt J PR 99	718 55	2.2+1		Cohen+ TBL. CURV. RATIO(P,NP)/(P,2N).
$^{62}\text{Ni}(p,\text{scattering})^{62}\text{Ni}$ $\sigma(E)$					
2391	LRL Expt A BAP 21	662 76	7.0+0	2.6+1	Koopman+ NDG. DEDUCED FROM INELASTIC
$^{62}\text{Ni}(p,\text{inelastic})^{62}\text{Ni}$ partial $\sigma(E)$,=factor					
2392	IJI Expt J YF 24	461 976	2.0+0	3.0+0	Krivososov+ CURV. 1173KEV LEVEL. THETA=56
	Expt J SNP 24	239 77	2.0+0	3.0+0	.TRANSLATION OF YF 24(3), 461(1976).
$^{62}\text{Ni}(p,\text{inelastic})^{62}\text{Ni}$ $\sigma(E)$ =factor					
2393	COL Revv C 71ALBANY	505 71	5.0+0	8.0+0	Miller. TBL. (P,INL)/(P,A)
$^{62}\text{Ni}(p,\text{inelastic})^{62}\text{Ni}$ partial $\sigma(E)$,					
2394	LRL Expt A BAP 23	13 178	7.0+0	2.6+1	Koopman+ NDG. CFD TO (N,INL) + OTHER.
	Expt A DA/B 38	2735 077	7.0+0	2.6+1	Koopman+NDG. GAMMA YLDS. ULD. 2+-0+ SIG
$^{62}\text{Ni}(p,\text{inelastic})^{62}\text{Ni}$ $\sigma(E)$					
2395	LRL Expt A BAP 21	662 76	7.0+0	2.6+1	Koopman+ NDG. ALSO DEDUCED SCT
$^{62}\text{Ni}(p,2n)^{61}\text{Cu}$ $\sigma(E)$ =factor					
2396	ORL Expt J PR 99	718 55	2.2+1		Cohen+ TBL. CURV. RATIO(P,NP)/(P,2N).
2397	COL Revv C 71ALBANY	505 71	3.0+1	4.5+1	Miller. CURV. (P,2P)/(P,2N)

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
$^{62}\text{Ni}(p,2n)^{61}\text{Cu}$ $\sigma(E)$						
2398	KFK Comp B PH-DAT	15 2 D79	2.2+1		Muenzel+	TBL. FROM EXFOR.
2399	ORL Expt J PR	99 718 55	2.2+1		Cohen+	TBL. NATURAL TARGET.
	Expt 4 EXFOR00050	009 77	2.2+1			. 385MB. REL. UNC.=15%. CALIB. UNC.=15%
$^{62}\text{Ni}(p,n)^{62}\text{Cu}$ partial $\sigma(E)$						
2400	ORE Expt A DA/B	39 5983 679	NDG		Ross.	NDG. RESON. NEAR NO THRESHOLD.
$^{62}\text{Ni}(p,n)^{62}\text{Cu}$ relative I_p						
2401	GRE Expt J NP/A	293 207 077	7.5+0		Ung-Chan+	TBL.CFD(A,NP),(P,NP),(N14,2N2P
$^{62}\text{Ni}(p,n)^{62}\text{Cu}$ $\sigma(E)$						
2402	CAL Theo R OAP-422		875 TR	1.2+1	Woosley+	CURV. HAUSER-FESHBACH.
2403	KFK Comp B PH-DAT	15 1 079	4.9+0	1.5+1	Muenzel+	TBL. FROM EXFOR.
2404	TOK Expt J JIN	34 2419 72	4.9+0	1.5+1	Tanaka+	CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFOR0020.019	076 4.9+0	1.5+1			. 30 DATA POINTS.
$^{62}\text{Ni}(p,\gamma)^{63}\text{Cu}$ partial raw $\sigma(E)$						
2405	ATH Expt J PR/C	19 38 179	3.8+0	3.9+0	Vourvopoulos+	CURV. EG > 2.7MEV.=90DEG.
$^{62}\text{Ni}(p,\gamma)^{63}\text{Cu}$ raw I_p						
2406	ATH Expt J PR/C	19 38 179	3.8+0	3.9+0	Vourvopoulos+	CURV. MANY GS.
$^{62}\text{Ni}(p,\gamma)^{63}\text{Cu}$ partial relative $\sigma(E)$						
2407	ALB Expt A DA/B	37 5172 477	1.4+0	4.0+0	Bokharee.	NDG. NON-STATISTICAL EFFECTS
2408	ALB Revv C 74PETTEN	401 974	2.2+0	2.8+0	Garg.	CURV. EG .GT. 3MEV. THETA=90 DEG.
$^{62}\text{Ni}(p,\gamma)^{63}\text{Cu}$ raw $\sigma(E)$						
2409	SUL Expt J IZV	39 1268 75	2.5+0	2.5+0	Kraft+	CURV. COUNTS/CHANNEL.
	Expt J BAS	39 115 76	2.5+0	2.5+0		. TRANSLATION OF IZV 39.1268(75).
$^{62}\text{Ni}(p,\gamma)^{63}\text{Cu}$ $\sigma(E)$						
2410	CAL Theo J AND	22 371 N78	NDG		Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78	NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875 TR	1.2+1	Woosley+	CURV. HAUSER-FESHBACH.
$^{62}\text{Ni}(p,x)$ isotopic distribution $\sigma(E)$						
2411	INU Expt J PRL	38 950 477	1.4+2		Sadler+TBL.	IN-BEAM G-SPC.33 PROD(Z=22-8
	Expt J PRL	38 950 477	2.2+2		Sadler+TBL.	OFF-BEAM G-SPC.14PROD(Z=21-9
2412	MIL Theo C 771OKYO	725 977	1.4+2		Gadioli+TBL.	PREEQ.EXCIT. CFD PRL38.950
$^{62}\text{Ni}(p,x)$ isotopic distribution average v_p						
2413	INU Expt A BAP	23 626 478	8.0+1		Wiggins+	NDG. FUNCT. OF RESID. NUCLEUS.
	Expt W NEWSLETTER22	278 8.0+1			Wiggins+	NDG. APRIL APS MEETING.
$^{63}\text{Ni}(p,\text{total})$ $\sigma(E)$						
2414	IJI Revv J FCY	6 827 75	8.8+0	1.0+2	Nemets+	CURV. DEPENDENCE ON A.
	Revv J SJPN	6 325 76	8.8+0	1.0+2		. TRANSLATION OF FCY 6.(4).827(75).
$^{63}\text{Ni}(p,\alpha)^{60}\text{Co}$ $\sigma(E)$						
2415	CAL Theo J AND	22 371 N78	NDG		Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78	NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{63}\text{Ni}(p,\gamma)^{64}\text{Cu}$ $\sigma(E)$						
2416	CAL Theo J AND	22 371 N78	NDG		Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78	NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{64}\text{Ni}(p,\text{absorption})$ partial $\sigma(E)$						
2417	INU Expt J PRL	38 950 477	1.4+2		Sadler+	563MB. SUM OF 23 PROD. SIGMAS.
$^{64}\text{Ni}(p,\text{absorption})$ $\sigma(E)$						
2418	IJI Revv J FCY	6 827 75	6.1+1		Nemets+	CURV. DEPENDENCE ON A**(2/3).
	Revv J FCY	6 827 75	4.0+1	6.1+1	Nemets+	TBL. FROM PR/C 4.1114(1971).
	Revv J SJPN	6 325 76	4.0+1	6.1+1		. TRANSLATION OF FCY 6.(4).827(1975).
$^{64}\text{Ni}(p,\text{total})$ $\sigma(E)$						
2419	IJI Revv J FCY	6 827 75	8.8+0	1.0+2	Nemets+	CURV. DEPENDENCE ON A AND N
	Revv J SJPN	6 325 76	8.8+0	1.0+2		. TRANSLATION OF FCY 6.(4).827(75).
$^{64}\text{Ni}(p,x)^{17}\text{N}$ $\sigma(E)$						
2420	LIN Expt J YF	25 1140 677	1.0+3		Balati+	BORON-LOADED SCIN IN PARAFFIN.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{64}\text{Ni}(p,x)^{17}\text{N} \quad \sigma(E)$					
2420	LIN Expt 4	EXFORA0013.002	379	1.0+3	. 1 DATA POINT.
$^{64}\text{Ni}(p,\alpha)^{61}\text{Co} \quad \sigma(E)$					
2421	CAL Theo J AND 22	371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875	1.0+0	1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
$^{64}\text{Ni}(p,n)^{64}\text{Cu} \quad \text{partial raw } \sigma(E)$					
2422	ORE Expt J IRE 26	1120 279 TR			-6 Lefevre+ CURV. NI. TOF SPECTRUM.
$^{64}\text{Ni}(p,n)^{64}\text{Cu} \quad \sigma(E)$					
2423	CAL Theo R OAP-422	875 TR		1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
2424	TOK Expt J JIN 34	2419 72 3.5+0	1.5+1		Tanaka+ CURV. CHEM. SEP. ACTIV. METHOD.
	Expt 4 EXFORB0020.020	076 3.5+0	1.5+1		. 18 DATA POINTS.
2425	KFK Comp B PH-DAT 15	2 079 4.8+0	1.4+1		Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT 15	1 079 3.5+0	1.5+1		Muenzel+ TBL. FROM EXFOR.
2426	TOK Expt J JFJ 14	1269 59 4.8+0	1.4+1		Tanaka+ CURV. NATURAL FOIL.
	Expt 4 EXFORB0043.009	77 4.8+0	1.4+1		. 14 DATA POINTS.
2427	ORL Expt J PR 100	1340 055 1.2+1			Blosser+ TBL. CURV.
	Expt 4 EXFORB0052.006	77 1.2+1			. (1.21+- .45)B.
$^{64}\text{Ni}(p,\gamma)^{65}\text{Cu} \quad \text{raw } \sigma(E)$					
2428	DUB Expt J IZV 42	759 78 3.1+0	3.3+0		Kraft+ CURV. 5 RESONANCES SEEN.
	Expt J YF 21	919 75 3.1+0	3.3+0		. EXPERIMENTAL DETAILS.
	Expt R JINR-15-8202	74 3.1+0	3.3+0		. EXPERIMENTAL DETAILS.
	Expt R JINR-15-8201	74 3.1+0	3.3+0		. EXPERIMENTAL DETAILS.
	Expt J YF 20	1081 74 3.1+0	3.3+0		. EXPERIMENTAL DETAILS.
	Expt J BAS 42	759 78 3.1+0	3.3+0		. TRANSLATION OF IZV 42(4), 759.
	Expt J SNP 21	472 575 3.1+0	3.3+0		. TRANSLATION OF YF 21, 919(1975).
	Expt J SNP 20	567 074 3.1+0	3.3+0		. TRANSLATION OF YF 20, 1081(1974).
$^{64}\text{Ni}(p,\gamma)^{65}\text{Cu} \quad \text{relative } I_\gamma \text{ at resonance}$					
2429	DUB Expt J IZV 42	759 78 3.2+0			Kraft+ TBL. 24GS. AT 3219KEV RES.
	Expt J BAS 42	759 78 3.2+0			. TRANSLATION OF IZV 42(4), 759.
$^{64}\text{Ni}(p,\gamma)^{65}\text{Cu} \quad \sigma(E) \times \text{factor}$					
2430	CAL Expt C 77TOKYO	846 977 NDG			Zyskind+ TBL. WIGNER CUSP/MINIMUM RATIO
$^{64}\text{Ni}(p,\gamma)^{65}\text{Cu} \quad \text{product yield}$					
2431	LND Expt P KDK-23	17 478 1.9+0	3.0+0		Erlandsson+ NDG. AVE. RES. SPECT. METH
$^{64}\text{Ni}(p,\gamma)^{65}\text{Cu} \quad \sigma(E)$					
2432	CAL Theo J AND 22	371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR		1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
$^{64}\text{Ni}(p,\gamma)^{65}\text{Cu} \quad \text{partial raw } \sigma(E)$					
2433	LND Expt J ZP/A 293	43 79 2.0+0	2.6+0		Erlandsson+ CURV. SUMMED PRIMARY. 3-CRY
$^{64}\text{Ni}(p,x) \text{ isotopic distribution } \sigma(E)$					
2434	INU Expt J PRL 38	950 477 1.4+2			Sadler+TBL. IN-BEAM G-SPC.23 PROD(Z=24-8
2435	MIL Theo C 77TOKYO	725 977 1.4+2			Gadioli+TBL.PREEQ.EXCIT. CFO PRL38.950
$^{65}\text{Ni}(p,\alpha)^{62}\text{Co} \quad \sigma(E)$					
2436	CAL Theo J AND 22	371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{65}\text{Ni}(p,n)^{66}\text{Cu} \quad \sigma(E)$					
2437	CAL Theo J AND 22	371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{65}\text{Ni}(p,\gamma)^{66}\text{Cu} \quad \sigma(E)$					
2438	CAL Theo J AND 22	371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{66}\text{Ni}(p,\alpha)^{63}\text{Co} \quad \sigma(E)$					
2439	CAL Theo J AND 22	371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁶⁶Ni(p,y)⁶⁷Cu $\sigma(E)$						
2440	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁷Ni(p,a)⁶⁴Co $\sigma(E)$						
2441	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁷Ni(p,n)⁶⁷Cu $\sigma(E)$						
2442	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁷Ni(p,y)⁶⁸Cu $\sigma(E)$						
2443	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
Cu(p,x) spallation $\sigma(E)$=factor						
2444	NRL	Revw J AJ/S	35	137	077 5.9+2	Silberberg+ TBL. RATIO CALC./EXPT.
Cu(p,x) partial $\sigma(E)$=factor						
2445	NRL	Revw J AJ/S	35	137	077 1.5+2 4.0+2	Silberberg+TBL.PERIPHERALREAC.EXC.(P,XN
Cu(p,x) spallation $\sigma(E)$						
2446	LAS	Expt J PR/C	18	1426	978 2.0+2 5.9+2	Orth+ TBL. G COUNTING. SUM OF 24 PRODUC
Cu(p,absorption) $\sigma(E)$						
2447	OSU	Expt J NP	64	513	65 6.8+0	Dell+ TBL. SUM OF P+A EXCL. ELAS.
2448	IJI	Revw J FCY	6	827	75 8.8+0 1.3+2	Nemets+ TBL. CURV.
		Revw J SJPN	6	325	76 8.8+0 1.3+2	. TRANSLATION OF FCY 6.(4).827(1975).
2449	LAS	Revw S BNL-51115	513	779	1.0+1 1.1+3	De-Vries+ CURV. FROM NP/A 183.
2450	LAS	Theo J PR/C	20	1857	N79 1.0+2 2.0+3	Ray. CURV. SECOND-ORDER KMT FORMALISM.
Cu(p,elastic) $\sigma(E)$						
2451	IJI	Revw J FCY	6	827	75 8.0+0 1.7+1	Nemets+ CURV.
		Revw J SJPN	6	325	76 8.0+0 1.7+1	. TRANSLATION OF FCY 6.(4).827(75).
Cu(p,x)y thick target yield						
2452	CLU	Expt A BAP	23	926	978 1.0+0 2.7+1	Intrator+ NDG.
2453	CCP	Expt R YK- 21	73	76	1.2+1 2.3+1	Matusevich+ CURV. TBL. THETA = 0 DEG.
		Expt R INDC(CCP)-103	577	1.2+1 2.3+1		.TRANSLATION OF T. OF C.(YK 21,73(1976)
Cu(p,x)y partial thick target yield						
2454	TOK	Expt J NIM	151	493	78 5.2+1	Nakamura+TBL.EXP.+RENRM.FRWRO HEMI.EG>2.
Cu(p,x)n $\sigma(E)$						
2455	LRL	Expt J PR	115	925	59 4.0+0 5.5+0	Albert. CURV.
		Expt W TO ORNL-CPX	64	3.6+0 8.1+0		Albert.
		Expt 4 EXFORB0093.008	579	3.6+0 8.1+0		. 3 DATA POINTS.
Cu(p,x)n partial thick target yield						
2456	TOK	Expt J NIM	151	493	78 5.2+1	Nakamura+TBL.EXP.+RENRM.FRWRO HEMI.EN>5
Cu(p,x)n thick target yield						
2457	BIR	Expt A BAP	21	1337	76 TR 3.0+0	Campbell+ NDG.
2458	CLU	Expt A BAP	23	926	978 1.0+0 2.7+1	Intrator+ NDG. SHARP RISE ABOVE THRESH.
Cu(p,x)³H thick target yield						
2459	BRK	Expt J PR	120	1354	60 3.2+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
		Expt J PR	107	1311	57 3.2+1	. SOME EXPERIMENTAL DETAILS.
		Expt 4 EXFORB0080.003	078	3.2+1		. (2.61+-0.26)MB.
2460	KFK	Comp B PH-DAT	15	2	079 3.2+1	Muenzel+ TBL. FROM EXFOR.
Cu(p,x)³H product yield						
2461	BRK	Expt J PR	120	1354	60 3.2+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
		Expt J PR	107	1311	57 3.2+1	. SOME EXPERIMENTAL DETAILS.
		Expt 4 EXFORB0080.003	078	3.2+1		. (4.20E-5+-10PERCENT)/T/INCIDENT P.
2462	KFK	Comp B PH-DAT	15	2	079 3.2+1	Muenzel+ TBL. FROM EXFOR.
Cu(p,x)³H $\sigma(E)$						
2463	CER	Expt J ZN/A	16	231	61 2.5+3	Goebel+ TBL. STACKED FOILS.
		Expt 4 EXFORB0102.004	N79	2.5+3		. 2 DATA POINTS.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min}	E _{max}	Author, Comments
		Type		(MeV)	(MeV)	
$Cu(p,x)^{7}Be$ $\sigma(E)$						
2464	LAS	Expt	J JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
		Expt	4 EXFORB0096.041 679 5.9+2			.3 PTS. FRM LAS,MTR,BNW. WGHDT. AVE.
$Cu(p,x)^{18}F$ $\sigma(E)$						
2465	BNL	Expt	J PR 110 1130 58 1.0+3 5.9+3			Caretto+ TBL. CURV. RADIOCHEMISTRY.
$Cu(p,x)^{18}F$ $\sigma(E) \times \text{factor}$						
2466	BNL	Expt	J PR 110 1130 58 1.0+3 5.9+3			Caretto+ TBL. CURV. RADIOCHEMISTRY.
$Cu(p,x)^{24}Ne$ cumulative $\sigma(E)$						
2467	BNL	Expt	J PR 171 1301 68 1.0+3 3.0+3			Hudis+ TBL. FROM NE24/NA24 RATIO.
		Expt	4 EXFORB0078.002 078 1.0+3 3.0+3			.3 ENTRIES.
2468	KFK	Comp	B PH-DAT 15 2 079 1.0+3 3.0+3			Muenzel+ TBL. FROM EXFOR.
$Cu(p,x)^{24}Ne$ cumulative $\sigma(E) \times \text{factor}$						
2469	BNL	Expt	J PR 171 1301 68 1.0+3 3.0+3			Hudis+ TBL. RATIO NE24,CUM/NA24,IND
		Expt	4 EXFORB0078.002 078 1.0+3 3.0+3			.3 ENTRIES.
2470	KFK	Comp	B PH-DAT 15 2 079 1.0+3 3.0+3			Muenzel+ TBL. FROM EXFOR.
$Cu(p,x)^{22}Na$ cumulative $\sigma(E)$						
2471	LAS	Expt	J JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
		Expt	4 EXFORB0096.037 679 5.9+2			.2 PTS. FRM LAS+MTR. WGHDT. AVE.
$Cu(p,x)^{24}Na$ cumulative $\sigma(E)$						
2472	MCG	Expt	J NP/A 288 291 977 7.5+1			Holub+ TBL. ACTIVATION METHOD.
		Expt	4 EXFORB0082.007 179 7.5+1			. (1.3+-0.1) MICROBARN.
2473	LAS	Expt	J JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
		Expt	4 EXFORB0096.039 679 5.9+2			.3 PTS. FRM LAS,MTR,BNW. WGHDT. AVE.
$Cu(p,x)^{24}Na$ independent including metastable $\sigma(E)$						
2474	BNL	Expt	J PR 171 1301 68 1.0+3 3.0+3			Hudis+ TBL. FROM NE24/NA24 RATIO.
		Expt	4 EXFORB0078.002 078 1.0+3 3.0+3			.3 ENTRIES.
2475	KFK	Comp	B PH-DAT 15 2 079 1.0+3 3.0+3			Muenzel+ TBL. FROM EXFOR.
$Cu(p,x)^{24}Na$ independent including metastable $\sigma(E) \times \text{factor}$						
2476	BNL	Expt	J PR 171 1301 68 1.0+3 3.0+3			Hudis+ TBL. RATIO NE24,CUM/NA24,IND
		Expt	4 EXFORB0078.002 078 1.0+3 3.0+3			.3 ENTRIES.
2477	KFK	Comp	B PH-DAT 15 2 079 1.0+3 3.0+3			Muenzel+ TBL. FROM EXFOR.
$Cu(p,x)^{24}Na$ cumulative? $\sigma(E)$						
2478	BNL	Expt	J PR 171 1301 68 1.0+3 3.0+3			Hudis+ TBL. CORRECTED FOR RVSD MON SIG
		Expt	J PR 110 1130 58 1.0+3 5.9+3			Caretto+ TBL. CURV. RADIOCHEMISTRY.
		Expt	4 EXFORB0078.002 078 1.0+3 3.0+3			.3 ENTRIES.
2479	KFK	Comp	B PH-DAT 15 2 079 1.0+3 3.0+3			Muenzel+ TBL. FROM EXFOR.
$Cu(p,x)^{24}Na$ cumulative? $\sigma(E) \times \text{factor}$						
2480	BNL	Expt	J PR 110 1130 58 1.0+3 5.9+3			Caretto+ TBL. CURV. RADIOCHEMISTRY.
$Cu(p,x)^{28}Mg$ cumulative $\sigma(E)$						
2481	LAS	Expt	J JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
		Expt	4 EXFORB0096.035 679 5.9+2			.1 POINT FROM BNW.
$Cu(p,x)^{38}Cl$ cumulative? $\sigma(E)$						
2482	MTR	Expt	J NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt	4 EXFORB0085.049 179 6.0+2			.1 DATA POINT.
$Cu(p,x)^{38}Cl$ cumulative $\sigma(E)$						
2483	MTR	Expt	J NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt	4 EXFORB0085.048 179 6.0+2			.1 DATA POINT.
$Cu(p,x)^{40}Cl$ cumulative $\sigma(E)$						
2484	MTR	Expt	J NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
		Expt	4 EXFORB0085.047 179 6.0+2			.1 DATA POINT.
$Cu(p,x)^{36}Ar$ $\sigma(E)$						
2485	GRA	Expt	J PR/C 20 1517 079 6.0+2 2.9+4			Regnier. TBL.
$Cu(p,x)^{36}Ar$ $\sigma(E) \times \text{factor}$						
2486	GRA	Expt	J PR/C 20 1517 079 6.0+2 2.9+4			Regnier. TBL. ARGON ISOTOPE RATIOS.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
Cu(p,x) ³⁷ Ar σ(E)					
2487	CER Expt J	ZN/A 16 231 61 2.5+3			Goebel+ TBL. STACKED FOILS.
	Expt 4	EXFORB0102.006 N79 2.5+3			. 2 DATA POINTS.
Cu(p,x) ³⁸ Ar σ(E)					
2488	GRA Expt J	PR/C 20 1517 079 6.0+2 2.9+4			Regnier. TBL.
Cu(p,x) ³⁸ Ar σ(E) × factor					
2489	GRA Expt J	PR/C 20 1517 079 6.0+2 2.9+4			Regnier. TBL. ARGON ISOTOPE RATIOS.
Cu(p,x) ³⁹ Ar σ(E)					
2490	GRA Expt J	PR/C 20 1517 079 6.0+2 2.9+4			Regnier. TBL.
Cu(p,x) ³⁹ Ar σ(E) × factor					
2491	GRA Expt J	PR/C 20 1517 079 6.0+2 2.9+4			Regnier. TBL. ARGON ISOTOPE RATIOS.
Cu(p,x) ⁴² Ar σ(E)					
2492	GRA Expt J	PR/C 20 1517 079 6.0+2 2.9+4			Regnier. TBL.
Cu(p,x) ⁴² Ar σ(E) × factor					
2493	GRA Expt J	PR/C 20 1517 079 6.0+2 2.9+4			Regnier. TBL. ARGON ISOTOPE RATIOS.
Cu(p,x) ³⁸ K σ(E)					
2494	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.046 179 6.0+2			. 1 DATA POINT.
Cu(p,x) ⁴² K σ(E)					
2495	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.045 179 6.0+2			. 1 DATA POINT.
Cu(p,x) ⁴² K cumulative? σ(E)					
2496	LAS Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB0096.031 679 5.9+2			. 3 PTS. FRM LAS,MTR,BNW. WGHDT AVE.
Cu(p,x) ⁴³ K cumulative σ(E)					
2497	LAS Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB0096.033 679 5.9+2			. 3 PTS. FRM LAS,MTR,BNW. WGHDT AVE.
2498	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.044 179 6.0+2			. 1 DATA POINT.
Cu(p,x) ⁴² Sc cumulative σ(E)					
2499	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.043 179 6.0+2			. 1 DATA POINT.
Cu(p,x) ⁴³ Sc cumulative σ(E)					
2500	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.042 179 6.0+2			. 1 DATA POINT.
Cu(p,x) ⁴⁴ Sc σ(E)					
2501	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.041 179 6.0+2			. 1 DATA POINT.
Cu(p,x) ⁴⁴ Sc σ(E)					
2502	LAS Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB0096.023 679 5.9+2			. 3 PTS. FRM LAS,MTR,BNW. WGHDT AVE.
2503	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.040 179 6.0+2			. 1 DATA POINT.
Cu(p,x) ⁴⁸ Sc Independent including metastable σ(E)					
2504	LAS Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB0096.025 679 5.9+2			. 3 PTS. FRM LAS,MTR,BNW. WGHDT AVE.
Cu(p,x) ⁴⁶ Sc σ(E)					
2505	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.039 179 6.0+2			. 1 DATA POINT.
Cu(p,x) ⁴⁸ Sc σ(E)					
2506	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB0085.038 179 6.0+2			. 1 DATA POINT.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		Cu(p,x) ⁴⁷ Sc cumulative? $\sigma(E)$			
2507	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB00085.037 179 6.0+2			. 1 DATA POINT.
		Cu(p,x) ⁴⁷ Sc cumulative $\sigma(E)$			
2508	LAS Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB00096.027 679 5.9+2			.3 PTS. FRM LAS,MTR,BNW. WGHDT AVE.
		Cu(p,x) ⁴⁸ Sc $\sigma(E)$			
2509	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB00085.036 179 6.0+2			. 1 DATA POINT.
		Cu(p,x) ⁴⁸ Sc independent $\sigma(E)$			
2510	LAS Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB00096.029 679 5.9+2			.3 PTS. FRM LAS,MTR,BNW. WGHDT AVE.
		Cu(p,x) ⁴⁸ V $\sigma(E)$			
2511	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB00085.035 179 6.0+2			. 1 DATA POINT.
		Cu(p,x) ⁴⁸ V cumulative $\sigma(E)$			
2512	LAS Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB00096.021 679 5.9+2			.3 PTS. FRM LAS,MTR,BNW. WGHDT AVE.
		Cu(p,x) ⁵² V cumulative? $\sigma(E)$			
2513	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB00085.034 179 6.0+2			. 1 DATA POINT.
		Cu(p,x) ⁵³ V $\sigma(E)$			
2514	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB00085.033 179 6.0+2			. 1 DATA POINT.
		Cu(p,x) ⁴⁸ Cr $\sigma(E)$			
2515	LAS Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB00096.017 679 5.9+2			.3 PTS. FRM LAS,MTR,BNW. WGHDT AVE.
2516	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB00085.032 179 6.0+2			. 1 DATA POINT.
		Cu(p,x) ⁴⁹ Cr $\sigma(E)$			
2517	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB00085.031 179 6.0+2			. 1 DATA POINT.
		Cu(p,x) ⁵¹ Cr cumulative $\sigma(E)$			
2518	LAS Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB00096.019 679 5.9+2			.3 PTS. FRM LAS,MTR,BNW. WGHDT AVE.
2519	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB00085.030 179 6.0+2			. 1 DATA POINT.
		Cu(p,x) ⁵⁶ Cr $\sigma(E)$			
2520	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB00085.029 179 6.0+2			. 1 DATA POINT.
		Cu(p,x) ⁵⁰ Mn $\sigma(E)$			
2521	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB00085.028 179 6.0+2			. 1 DATA POINT.
		Cu(p,x) ⁵² Mn $\sigma(E)$			
2522	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB00085.027 179 6.0+2			. 1 DATA POINT.
		Cu(p,x) ⁵² Mn $\sigma(E)$			
2523	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB00085.026 179 6.0+2			. 1 DATA POINT.
		Cu(p,x) ⁵² Mn cumulative $\sigma(E)$			
2524	LAS Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB00096.045 679 5.9+2			.3 PTS. FRM LAS,MTR,BNW. WGHDT. AVE.
		Cu(p,x) ⁵⁴ Mn $\sigma(E)$			
2525	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED
	Expt 4	EXFORB00085.025 179 6.0+2			. 1 DATA POINT.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
Cu(p,x)⁵⁴Mn independent $\sigma(E)$					
2526	LAS Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB0096.015 679 5.9+2			.3 PTS. FRM LAS,MTR,BNW. WGHDT AVE.
Cu(p,x)⁵⁶Mn $\sigma(E)$					
2527	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED9
	Expt 4	EXFORB0085.024 179 6.0+2			. 1 DATA POINT.
Cu(p,x)⁵⁷Mn $\sigma(E)$					
2528	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD. CALCULATED9
	Expt 4	EXFORB0085.023 179 6.0+2			. 1 DATA POINT.
Cu(p,x)⁵⁸Mn partial $\sigma(E)$					
2529	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD CALCULATED.
	Expt 4	EXFORB0085.022 179 6.0+2			. 1 DATA POINT. T1/2=1.1 MINUTE.
Cu(p,x)⁵⁸Fe $\sigma(E)$					
2530	LAS Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB0096.012 679 5.9+2			.2 PTS. FRM LAS + MTR. WEIGHTED AVE
2531	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD CALCULATED.
	Expt 4	EXFORB0085.021 179 6.0+2			. 1 DATA POINT.
Cu(p,x)⁵³Fe including metastable? $\sigma(E)$					
2532	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD CALCULATED.
	Expt 4	EXFORB0085.020 179 6.0+2			. 1 DATA POINT.
Cu(p,x)⁵⁹Fe $\sigma(E)$					
2533	LAS Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB0096.013 679 5.9+2			.3 PTS. FRM LAS,MTR,BNW. WGHDT AVE.
2534	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD CALCULATED.
	Expt 4	EXFORB0085.019 179 6.0+2			. 1 DATA POINT.
Cu(p,x)⁵⁵Co $\sigma(E)$					
2535	LAS Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB0096.006 679 5.9+2			.3 PTS. FRM LAS,MTR,BNW + WGHDT AVE.
2536	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD CALCULATED.
	Expt 4	EXFORB0085.018 179 6.0+2			. 1 DATA POINT.
Cu(p,x)⁵⁶Co $\sigma(E)$					
2537	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD CALCULATED.
	Expt 4	EXFORB0085.017 179 6.0+2			. 1 DATA POINT.
Cu(p,x)⁵⁸Co cumulative $\sigma(E)$					
2538	KFK Comp B	PH-DAT 15 2 079 5.2+1 5.8+1			Muenzel+ TBL. FROM EXFOR.
2539	ORL Expt J	PR 162 1055 067 5.2+1 5.8+1			Williams+ CURV. STACKED FOILS. CFD THEO
	Expt 4	EXFORB0073.002 678 5.2+1 5.8+1			. 7 DATA POINTS.
2540	LAS Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB0096.008 679 5.9+2			.3 PTS. FRM LAS,MTR,BNW + WGHDT AVE.
Cu(p,x)⁵⁷Co $\sigma(E)$					
2541	KFK Comp B	PH-DAT 15 2 079 3.6+1 5.8+1			Muenzel+ TBL. FROM EXFOR.
2542	ORL Expt J	PR 162 1055 067 3.6+1 5.8+1			Williams+ CURV. STACKED FOILS. CFD THEO
	Expt 4	EXFORB0073.003 678 3.6+1 5.8+1			. 14 DATA POINTS.
2543	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD CALCULATED.
	Expt 4	EXFORB0085.016 179 6.0+2			. 1 DATA POINT.
Cu(p,x)⁵⁷Co cumulative $\sigma(E)$					
2544	LAS Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB0096.010 679 5.9+2			.3 PTS. FRM LAS,MTR,BNW + WGHDT AVE.
Cu(p,x)⁵⁸Co including metastable $\sigma(E)$					
2545	KFK Comp B	PH-DAT 15 2 079 2.7+1 5.9+1			Muenzel+ TBL. FROM EXFOR.
2546	ORL Expt J	PR 162 1055 067 2.7+1 5.9+1			Williams+ CURV. STACKED FOILS. CFD THEO
	Expt 4	EXFORB0073.009 678 2.7+1 5.9+1			. 17 DATA POINTS.
Cu(p,x)⁵⁸Co independent including metastable $\sigma(E)$					
2547	LAS Expt J	JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt 4	EXFORB0096.043 679 5.9+2			.3 PTS. FRM LAS,MTR,BNW. WGHDT. AVE.
Cu(p,x)⁵⁸Co $\sigma(E)$					
2548	MTR Expt J	NP/A 169 437 71 6.0+2			Cline+ TBL. G-TECH. CFD CALCULATED.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Cu(p,x)⁵⁹Co σ(E)					
2548	MTR Expt	4 EXFORB0085.015	179	6.0+2	. 1 DATA POINT.
Cu(p,x)⁵⁹Co σ(E)					
2549	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD CALCULATED.
	Expt	4 EXFORB0085.014	179	6.0+2	. 1 DATA POINT.
Cu(p,x)⁶⁰Co including metastable σ(E)					
2550	KFK Comp	B PH-DAT 15 2 079 3.4+1	5.6+1		Muenzel+ TBL. FROM EXFOR.
2551	ORL Expt	J PR 162 1055 067 3.4+1	5.6+1		Williams+ CURV. STACKED FOILS. CFD THEO
	Expt	4 EXFORB0073.005	678	3.4+1	. 9 DATA POINTS.
2552	LAS Expt	J JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt	4 EXFORB0096.044	679	5.9+2	. 3 PTS. FRM LAS,MTR,BNH. WGHDT. AVE.
2553	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD CALCULATED.
	Expt	4 EXFORB0085.013	179	6.0+2	. 1 DATA POINT.
Cu(p,x)⁶¹Co cumulative σ(E)					
2554	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD CALCULATED.
	Expt	4 EXFORB0085.012	179	6.0+2	. 1 DATA POINT.
Cu(p,x)⁶⁶Ni σ(E)					
2555	LAS Expt	J JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt	4 EXFORB0096.003	679	5.9+2	. 1 DATA POINT FROM BNH.
2556	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD CALCULATED.
	Expt	4 EXFORB0085.009	179	6.0+2	. 1 DATA POINT.
Cu(p,x)⁵⁷Ni σ(E)					
2557	KFK Comp	B PH-DAT 15 2 079 4.5+1	5.7+1		Muenzel+ TBL. FROM EXFOR.
2558	ORL Expt	J PR 162 1055 067 4.5+1	5.7+1		Williams+ CURV. STACKED FOILS. CFD THEO
	Expt	4 EXFORB0073.004	678	4.5+1	. 10 DATA POINTS.
2559	LAS Expt	J JIN 38 13 76 5.9+2			Orth+ TBL. INTERLAB COMPARISON.
	Expt	4 EXFORB0096.004	679	5.9+2	. 3 PTS. FRM LAS,MTR,BNH + WGHDT AVE.
2560	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD CALCULATED.
	Expt	4 EXFORB0085.008	179	6.0+2	. 1 DATA POINT.
Cu(p,x)⁶⁰Cu cumulative σ(E)					
2561	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD CALCULATED.
	Expt	4 EXFORB0085.007	179	6.0+2	. 1 DATA POINT.
Cu(p,x)⁶¹Cu cumulative σ(E)					
2562	KFK Comp	B PH-DAT 15 2 079 2.0+1	5.8+1		Muenzel+ TBL. FROM EXFOR.
2563	ORL Expt	J PR 162 1055 067 2.0+1	5.8+1		Williams+ CURV. STACKED FOILS. CFD THEO
	Expt	4 EXFORB0073.006	678	2.0+1	. 19 DATA POINTS.
2564	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD CALCULATED.
	Expt	4 EXFORB0085.006	179	6.0+2	. 1 DATA POINT.
Cu(p,x)⁶²Cu σ(E)					
2565	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD CALCULATED.
	Expt	4 EXFORB0085.005	179	6.0+2	. 1 DATA POINT.
Cu(p,n)⁶⁰Zn σ(E)					
2566	HIR Expt	J NIM 134 93 76 4.8+1			Yoshizawa+ CURV. DEDUCED FROM ZN60/ZN63
Cu(p,n)⁶¹Zn σ(E)					
2567	HIR Expt	J NIM 134 93 76 3.0+1	4.8+1		Yoshizawa+ CURV. DEDUCED FROM ZN61/ZN63
Cu(p,x)⁶²Zn σ(E)					
2568	KFK Comp	B PH-DAT 15 2 079 1.6+1	5.8+1		Muenzel+ TBL. FROM EXFOR.
2569	ORL Expt	J PR 162 1055 067 1.6+1	5.8+1		Williams+ CURV. STACKED FOILS. CFD THEO
	Expt	4 EXFORB0073.007	678	1.6+1	. 21 DATA POINTS.
2570	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD CALCULATED.
	Expt	4 EXFORB0085.003	179	6.0+2	. 1 DATA POINT.
Cu(p,x)⁶²Zn spectrum average σ(E)					
2571	JAP Expt	J ARI 28 663 677 1.6+1	1.8+1		Suzuki+ TBL. MULTI-TARGET ASSEMBLY
Cu(p,x)⁶³Zn σ(E)					
2572	MTR Expt	J NP/A 169 437 71	6.0+2		Cline+ TBL. G-TECH. CFD CALCULATED.
	Expt	4 EXFORB0085.002	179	6.0+2	. 1 DATA POINT.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Cu(p,x) ⁶³ Zn σ(E)=factor					
2573	HIR Expt J	JIN 39 1923	77 3.0+1	5.2+1	Noma+CURV.RAT ZN61/ZN63.STCKD-FOIL+ISOL Expt 4 EXFORB0104.003 N79 2.0+1 5.2+1 . 15 DATA POINTS.
Cu(p,n) ⁶³ Zn σ(E)					
2574	HIR Expt J	NIM 134 93	76 2.5+1	5.2+1	Yoshizawa+ CURV. STACKED FOIL METHOD.
Cu(p,x) ⁶⁵ Zn σ(E)					
2575	CCP Rev J	AE 42 311	77 8.0+0	1.1+1	Zatolokhin+ TBL. ACTIVATION.
	Rev J	SJA 42 344	077 8.0+0	1.1+1	. TRANSLATION OF AE 42(4), 311(1977).
Cu(p,x)isotopic distribution σ(E)					
2576	CER Expt J	ZN/A 16 231	61 2.5+3		Goebel+ TBL. STCKD FOILS. 8 ISOTOPES, - Expt 4 EXFORB0102.008 N79 2.5+3 . 8 DATA POINTS.
Cu(p,x)isotopic distribution cumulative spallation σ(E)					
2577	LAS Expt J	PR/C 18 1426	978 2.0+2	5.9+2	Orth+ TBL. G COUNTING. 18 PRODUCTS.
Cu(p,x)isotopic distribution Independent spallation σ(E)					
2578	LAS Expt J	PR/C 18 1426	678 2.0+2	5.9+2	Orth+ TBL. G COUNTING. 6 PRODUCTS.
⁵⁷ Cu(p,γ) ⁵⁸ Zn σ(E)					
2579	CAL Theo J	AND 22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. Theo J AND 22 371 N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁸ Cu(p,γ) ⁵⁹ Zn σ(E)					
2580	CAL Theo J	AND 22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. Theo J AND 22 371 N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁹ Cu(p,α) ⁵⁸ Ni σ(E)					
2581	CAL Theo J	AND 22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. Theo J AND 22 371 N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁹ Cu(p,γ) ⁶⁰ Zn σ(E)					
2582	CAL Theo J	AND 22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. Theo J AND 22 371 N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁰ Cu(p,α) ⁵⁷ Ni σ(E)					
2583	CAL Theo J	AND 22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. Theo J AND 22 371 N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁰ Cu(p,γ) ⁶¹ Zn σ(E)					
2584	CAL Theo J	AND 22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. Theo J AND 22 371 N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶¹ Cu(p,α) ⁵⁸ Ni σ(E)					
2585	CAL Theo J	AND 22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. Theo J AND 22 371 N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶¹ Cu(p,γ) ⁶² Zn σ(E)					
2586	CAL Theo J	AND 22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. Theo J AND 22 371 N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶² Cu(p,α) ⁵⁹ Ni σ(E)					
2587	CAL Theo J	AND 22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. Theo J AND 22 371 N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶² Cu(p,γ) ⁶³ Zn σ(E)					
2588	CAL Theo J	AND 22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. Theo J AND 22 371 N78 NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶³ Cu(p,x) compound-nucleus σ(E)					
2589	LRL Expt J	PR 128 291	062 5.0+0	1.2+1	Hansen+ CURV. DOSTROWSKY EMP. FORM.
⁶³ Cu(p,absorption) σ(E)					
2590	LRL Expt J	PR 123 1818	961 5.2+0	1.2+1	Benveniste+ TBL. FROM SUM OF CHARGED PA
2591	I.II Rev J	FCY 6 827	75 6.8+0	1.5+1	Nemets+ TBL. Rev J S.JPN 6 325 76 6.8+0 1.5+1 . TRANSLATION OF FCY 6.(4).827(1975).
2592	OSU Expt J	NP 64 513	65 6.8+0		Dell+ TBL. SUM OF P+A EXCL. CLAS.
2593	LAS Theo J	PR/C 20 1857	N79 1.0+2	1.0+3	Ray. CURV. SECOND-ORDER KMT FORMALISM.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{63}\text{Cu}(p, \text{total}) \sigma(E)$					
2594	IJI Revv J FCY 6	827	75	6.8+0	4.0+1 Nemets+ CURV. DEPENDENCE ON N AND Z
	Revv J SJPN 6	325	76	6.8+0	4.0+1 . TRANSLATION OF FCY 6.(4), 827(75).
2595	OSU Expl J NP 64	513	65	6.8+0	Dell+ TBL. CALC. FROM NON-ELASTIC
$^{63}\text{Cu}(p, a)^{60}\text{Ni} \sigma(E)$					
2596	CAL Theo J AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	1.1+0	8.9+0 Woosley+ CURV. HAUSER-FESHBACH.
2597	KFK Comp B PH-DAT 15	2	079	6.2+0	1.1+1 Muenzel+ TBL. FROM EXFOR.
2598	LRL Expl J PR 123	1818	961	6.2+0	1.1+1 Benveniste+ TBL. TELES.
	Expl 4 EXFORB0075.002	678	6.2+0	1.1+1	. 4 DATA POINTS.
$^{63}\text{Cu}(p, 3n+p)^{60}\text{Cu}$ cumulative? $\sigma(E)$					
2599	HIR Expl J JIN 39	1923	77	3.5+1	5.2+1 Noma+ CURV. STACKED-FOILS + ISOL METHOD
	Expl 4 EXFORB0104.004	N79	3.2+1	5.2+1	. 6 DATA POINTS
$^{63}\text{Cu}(p, 2n+p)^{61}\text{Cu} \sigma(E)$					
2600	HRV Expl J PR 91	885	53	2.0+1	9.9+1 Meadows. CURV. SEPARATED OXIDE POWDER.
	Expl 4 EXFORB0054.003	77	2.0+1	9.9+1	. 16 DATA POINTS.
2601	KFK Comp B PH-DAT 15	2	079	2.0+1	9.9+1 Muenzel+ TBL. FROM EXFOR.
$^{63}\text{Cu}(p, l)^{61}\text{Cu} \sigma(E)$					
2602	KFK Comp B PH-DAT 15	2	079	2.0+1	2.2+1 Muenzel+ TBL. FROM EXFOR.
2603	ORL Expl J JIN 2	269	56	2.0+1	2.2+1 Mc-Cormick+MEASURED RESID. RADIOACTIVITY
	Expl 4 EXFORB0062.005	678	2.0+1	2.2+1	. 2.2+-0.8MB, 3.5+-0.9MB
$^{63}\text{Cu}(p, n+p)^{62}\text{Cu} \sigma(E) \times \text{factor}$					
2604	COL Revv C 71ALBANY	505	71	2.1+1	3.3+1 Miller. CURV. (P,N+P)/(P,2N)
$^{63}\text{Cu}(p, n+p)^{62}\text{Cu} \sigma(E)$					
2605	HRV Expl J PR 91	885	53	1.4+1	9.9+1 Meadows. CURV. SEPARATED OXIDE POWDER.
	Expl 4 EXFORB0054.002	77	1.4+1	9.9+1	. 20 DATA POINTS.
2606	KFK Comp B PH-DAT 15	2	079	1.4+1	9.9+1 Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT 15	1	079	1.5+1	3.2+1 Muenzel+ TBL. FROM EXFOR.
2607	BRK Expl J PR 80	939	50	1.5+1	3.2+1 Ghosal. CURV. CU-0 USED. CORR. MADE.
	Expl 4 EXFORB0017.007	076	1.5+1	3.2+1	. 9 DATA POINTS.
2608	ORL Expl J PR 99	718	55	2.2+1	Cohen+ TBL. NATURAL TARGET.
	Expl 4 EXFORB0050.011	77	2.2+1		. 590MB. REL. UNC.=15%. CALIB. UNC.=15%
$^{63}\text{Cu}(p, n+p)^{62}\text{Cu}$ relative I_p					
2609	GRE Expl J NP/A 293	207	077	2.2+1	2.8+1 Ung-Chan+ NDG.
	Expl J NP/A 293	207	077	2.6+1	Ung-Chan+TBL. CFD(P,N), (A,NP), (N14, 2N2P)
$^{63}\text{Cu}(p, n+p)^{62}\text{Cu} \sigma(E) \times \text{factor}$					
2610	ORL Expl J PR 99	718	55	2.2+1	Cohen+ TBL. CURV. RATIO(P,NP)/(P,2N).
$^{63}\text{Cu}(p, \text{inelastic})^{63}\text{Cu}$ partial $\sigma(E)$					
2611	MSU Expl J PR/C 20	861	879	4.0+1	Iwaski+ TBL. 7 STATES. SUM(8.1-40.60 DEG)
$^{63}\text{Cu}(p, \text{inelastic})^{63}\text{Cu}$ partial $\sigma(E) \times \text{factor}$					
2612	IJI Expl J YF 24	461	976	1.8+0	3.0+0 Krivonosov+ CURV. 670KEV LEVEL. THETA=56
	Expl J SNP 24	239	77	1.8+0	3.0+0 .TRANSLATION OF YF 24(3), 461(1976).
$^{63}\text{Cu}(p, \text{inelastic})^{63}\text{Cu} \sigma(E)$					
2613	LRL Expl J PR 123	1818	961	6.2+0	1.1+1 Benveniste+ TBL. TELES.
$^{63}\text{Cu}(p, 4n)^{60}\text{Zn} \sigma(E)$					
2614	HIR Expl J JIN 39	1923	77	4.8+1	Noma+ CURV. ISOL METHOD.
$^{63}\text{Cu}(p, 3n)^{61}\text{Zn} \sigma(E)$					
2615	HIR Expl J JIN 39	1923	77	3.0+1	5.2+1 Noma+ CURV. STACKED-FOILS + ISOL METHOD
	Expl 4 EXFORB0104.002	N79	3.0+1	5.2+1	. 15 DATA POINTS.
$^{63}\text{Cu}(p, 3n)^{61}\text{Zn} \sigma(E) \times \text{abundance} \times \text{factor}$					
2616	HIR Expl J JIN 39	1923	77	3.0+1	5.2+1 Noma+CURV. RAT ZN61/ZN63. STCKD-FOIL+ISOL
	Expl 4 EXFORB0104.003	N79	3.0+1	5.2+1	. 15 DATA POINTS.
$^{63}\text{Cu}(p, 2n)^{62}\text{Zn}$ thick target yield $\times$ abundance					
2617	AML Revv J IRE 26	2281	479	1.8+1	3.8+1 Chaudri. TBL. CFD EXP. TO CALC.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
⁶³Cu(p,2n)⁶²Zn σ(E)					
2618	BRK Expt J PR	80 939	50 1.5+1	3.2+1	Ghosal. CURV. CU-0 USED. CORR. MADE.
	Expt 4 EXFORB0017.006	076 1.5+1	3.2+1		. 9 DATA POINTS.
2619	KFK Comp B PH-DAT	15 2 079	1.6+1	4.0+2	Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT	15 1 079	1.5+1	1.2+4	Muenzel+ TBL. FROM EXFOR.
2620	BNL Expt J ARI	23 342 72	1.6+1	3.3+1	Greene+ TBL. CURV. RESIDUAL ACTIVITY.
	Expt 4 EXFORB0074.002	678 1.6+1	3.3+1		. 17 DATA POINTS.
2621	HRV Expt J PR	91 885 53	1.7+1	9.9+1	Meadows. CURV. SEPARATED OXIDE POWDER.
	Expt 4 EXFORB0054.005	77 1.7+1	9.9+1		. 18 DATA POINTS.
2622	ORL Expt J PR	99 718 55	2.2+1		Cohen+ TBL. NATURAL TARGET.
	Expt 4 EXFORB0050.010	77 2.2+1			. 100MB. REL. UNC.=15%. CALIB. UNC.=15%
2623	CAR Expt J JIN	31 1915 69	4.0+2		Reuland+ ENRICHED OXIDE-BORIC ACID MATR
	Expt 4 EXFORB0071.005	678 4.0+2			. 0.8MB+-19 PER CENT.
2624	ANL Expt J PR/C	7 1410 473	1.5+3	1.2+4	Steinberg+ TBL. CURV. RESIDUAL ACTIVITY
	Expt 4 EXFORB0031.003	77 1.5+3	1.2+4		. 7 DATA POINTS.
⁶³Cu(p,2n)⁶²Zn σ(E)×factor					
2625	COL Rev C	71ALBANY 505	71 2.1+1	3.3+1	Miller. CURV. (P,N+P)/(P,2N)
2626	ORL Expt J PR	99 718 55	2.2+1		Cohen+ TBL. CURV. RATIO(P,NP)/(P,2N)
2627	CAR Expt J JIN	31 1915 69	4.0+2		Reuland+ (P,2N)/(P,N)=0.89+-16PER CENT
⁶³Cu(p,n)⁶³Zn σ(E)					
2628	BNL Rev C	63HOUSTO 3 63	NDG		Goldberg. NDG.
2629	CAL Theo R	OAP-422 875	TR	1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
2630	ORL Expt P	ORNL-2910 25 60	TR	5.8+0	Johnson+ CURV. THICKER TRGT. 4PI DETECT
	Expt P	ORNL-2501 29 58	TR	5.8+0	Johnson+ EXPT. DETAILS.
	Expt 4	EXFORB0068.009 678	4.2+0	5.8+0	. 29 DATA POINTS.
2631	BRK Expt J	PR 80 939 50	3.9+0	2.2+1	Ghosal. CURV. CU-0 USED. CORR. MADE.
	Expt 4	EXFORB0017.005 076	3.9+0	2.2+1	. 18 DATA POINTS.
2632	BNL Expt J	PR/C 9 1819 574	4.0+0	2.5+1	Collie+ TBL. CURV. ACTIVATION METHOD.
	Expt 4	EXFORB0057.002 77	4.0+0	2.5+1	. 49 DATA POINTS.
2633	ETH Expt J	HPA 24 3 51	4.2+0	6.3+0	Blaser+ TBL. NATURAL FOIL.
	Expt 4	EXFORB0048.002 77	4.2+0	6.3+0	. 9 DATA POINTS.
2634	KFK Comp B	PH-DAT 15 2 079	4.2+0	9.9+1	Muenzel+ TBL. FROM EXFOR.
	Comp B	PH-DAT 15 1 079	3.9+0	1.2+4	Muenzel+ TBL. FROM EXFOR.
2635	ROC Expt J	PR 125 291 62	4.3+0	6.6+0	Taketani+ NATURAL AND ENRICHED FOILS.
	Expt 4	EXFORB0051. 77	4.2+0	6.6+0	. 10 POINTS.CPX DATA CORRECTED BY COMP
2636	ANL Expt J	PR 128 280 062	4.5+0	1.0+1	Wing+ TBL. CURV. RESID. RADIOACTIVITY.
	Expt R	T10-12696 61	9.9+0		. SUPERSEDED BY PR 128.280(1962)
	Expt 4	EXFORB0065.004 678	4.5+0	1.0+1	. 22 DATA POINTS.
	Expt 4	EXFORB0063.004 678	NDG		. SUPERSEDED BY B0065.004
2637	CLA Expt J	PR 109 2083 58	4.9+0	1.0+1	Howe. CURV. NATURAL FOILS.
	Expt 4	EXFORB0060.002 77	4.5+0	1.1+1	. 15 DATA POINTS.
2638	HRV Expt J	PR 91 885 53	5.0+0	9.9+1	Meadows. CURV. SEPARATED OXIDE POWDER.
	Expt 4	EXFORB0054.004 77	5.0+0	9.9+1	. 16 DATA POINTS.
2639	LRL Expt J	PR 128 291 062	6.0+0	1.1+1	Hansen+ CURV. LONG COUNTER. CFD. THEORY
	Expt 4	EXFORB0066.004 678	6.0+0	1.1+1	. 6 DATA POINTS.
2640	OSU Expt J	NP 64 513 65	6.8+0		Dell+ TBL. CURV. STACKED FOILS.
	Expt J	PR 130 1522 563	6.8+0		Humes+ MEASURED RESIDUAL RADIATION
	Expt 4	EXFORB0061.005 678	6.8+0		. 239+-13MB. FROM PR 130. 1522(1963)
	Expt 4	EXFORB0064.005 678	6.8+0		. 239+-13MB. FROM NP 64. 513(1965).
2641	MUN Expt J	NP/A 198 625 70	8.7+0	1.6+1	Hille+ TBL. CURV. STCKD FOILS.
	Expt 4	EXFORB0058.002 77	8.7+0	1.6+1	. 8 DATA POINTS.
2642	BIR Expt J	PPS 80 738 62	9.3+0		Chackell+ NATURAL TARGET.
	Expt 4	EXFORB0070.002 678	9.3+0		. 480+-20MB.
2643	HAR Expt R	T10-12696 61	9.9+0		Jones+SPSSO BY PR 128.280 EXCEPT LONG C
	Expt 4	EXFORB0063.002 678	9.9+0		. 325+-39MB.
	Expt 4	EXFORB0063.004 678	NDG		. SUPERSEDED BY B0065.004
2644	CAR Expt J	JIN 31 1915 69	4.0+2		Reuland+ ENRICHED OXIDE-BORIC ACID MATR
	Expt 4	EXFORB0071.004 678	4.0+2		. 0.9MB+-19PER CENT.
2645	ANL Expt J	PR/C 7 1410 473	1.5+3	1.2+4	Steinberg+ TBL. CURV. RESIDUAL ACTIVITY
	Expt 4	EXFORB0031.002 77	1.5+3	1.2+4	. 7 DATA POINTS.
⁶³Cu(p,n)⁶³Zn σ(E)×factor					
2646	CAR Expt J	JIN 31 1915 69	4.0+2		Reuland+ (P,2N)/(P,N)=0.89+-16PER CENT
⁶³Cu(p,y)⁶⁴Zn product yield					
2647	LND Expt P	KDK-23 17 478	2.1+0	3.1+0	Erlandsson+ NDG. AVE. RES. SPECT. METH
⁶³Cu(p,y)⁶⁴Zn cumulative? relative product yield					
2648	KFI Expt J	JP/G 2 365 76	3.1+0	3.3+0	Fodor+ CURV. 2KEV STEPS. GE(L1)

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁶³Cu(p,γ)⁶⁴Zn σ(E)						
2649	CAL	Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
⁶⁴Cu(p,α)⁶¹Ni σ(E)						
2650	CAL	Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁴Cu(p,γ)⁶⁵Zn σ(E)						
2651	CAL	Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁵Cu(p,x) compound-nucleus σ(E)						
2652	LRL	Expt J PR	128 291	062	5.0+0	1.2+1 Hansen+ CURV. DOSTROWSKY EMP. FORM.
⁶⁵Cu(p,x) partial σ(E)						
2653	MIT	Expt J PR	123 276	661	7.5+0	Shore+ TBL. SUM OF (P,INL) AND (P,A)
⁶⁵Cu(p,absorption) σ(E)						
2654	LRL	Expt J PR	123 1818	961	5.2+0	1.2+1 Benveniste+ TBL. FROM SUM OF CHARGED PA
2655	IJI	Rev J FCY	6 827	75	6.8+0	1.5+1 Nemets+ TBL.
		Rev J SJPN	6 325	76	6.8+0	1.5+1 . TRANSLATION OF FCY 6.(4),827(1975).
2656	OSU	Expt J NP	64 513	65	6.8+0	Delli+ TBL. SUM OF P+A EXCL. ELAS.
2657	MIT	Expt J PR	123 276	661	7.5+0	Shore+ TBL. SUM OF (P,INL),(P,A),CE
⁶⁵Cu(p,elastic) compound-nucleus σ(E)						
2658	MIT	Expt J PR	123 276	661	7.5+0	Shore+ TBL.
⁶⁵Cu(p,total) σ(E)						
2659	IJI	Rev J FCY	6 827	75	6.8+0	1.5+1 Nemets+ CURV. DEPENDENCE ON N AND Z
		Rev J SJPN	6 325	76	6.8+0	1.5+1 . TRANSLATION OF FCY 6.(4),827(1975).
2660	OSU	Expt J NP	64 513	65	6.8+0	Delli+ TBL. CALC. FROM NON-ELASTIC
⁶⁵Cu(p,n+3p)⁶²Co partial σ(E)×abundance						
2661	MTR	Expt J NP/A	169 437	71	6.0+2	Cline+ TBL. G-TECH. CFD CALCULATED.
		Expt 4 EXFORB0085.010	179	6.0+2		. 1 DATA POINT. T1/2=1.6 MINUTE.
		Expt 4 EXFORB0085.011	179	6.0+2		. 1 DATA POINT. T1/2=13.9 MINUTE.
⁶⁵Cu(p,α)⁶²Ni partial σ(E)						
2662	AML	Exth J PR/C	17 392	178	1.1+0	3.6+0 Switkowski+CURV.WIGNERCUSP.CFD H-FTOEXP
⁶⁵Cu(p,α)⁶²Ni σ(E)						
2663	CAL	Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875	1.1+0	8.1+0 Woosley+ CURV. HAUSER-FESHBACH.
2664	KFK	Comp B PH-DAT	15 2	079	6.2+0	1.1+1 Muenzel+ TBL. FROM EXFOR.
2665	LRL	Expt J PR	123 1818	961	6.2+0	1.1+1 Benveniste+ TBL. TELES.
		Expt 4 EXFORB0075.002	678	6.2+0	1.1+1	. 4 DATA POINTS.
⁶⁵Cu(p,4n+p)⁶¹Cu σ(E)						
2666	HRV	Expt J PR	91 885	53	4.5+1	9.9+1 Meadows. CURV. SEPARATED OXIDE POWDER.
		Expt 4 EXFORB0054.008	77	4.5+1	9.9+1	. 12 DATA POINTS.
2667	KFK	Comp B PH-DAT	15 2	079	4.5+1	9.9+1 Muenzel+ TBL. FROM EXFOR.
⁶⁵Cu(p,3n+p)⁶²Cu σ(E)						
2668	HRV	Expt J PR	91 885	53	2.0+1	9.9+1 Meadows. CURV. SEPARATED OXIDE POWDER.
		Expt 4 EXFORB0054.007	77	2.5+1	9.9+1	. 17 DATA POINTS.
2669	KFK	Comp B PH-DAT	15 2	079	2.5+1	9.9+1 Muenzel+ TBL. FROM EXFOR.
⁶⁵Cu(p,n+p)⁶⁴Cu σ(E)×abundance						
2670	MTR	Expt J NP/A	169 437	71	6.0+2	Cline+ TBL. G-TECH. CFD CALCULATED.
		Expt 4 EXFORB0085.004	179	6.0+2		. 1 DATA POINT.
⁶⁵Cu(p,n+p)⁶⁴Cu σ(E)						
2671	ORL	Expt J PR	94 620	554	TR	2.4+1 Cohen+ CURV. CFD. TO STATISTICAL CALC.
		Expt 4 EXFORB0072.002	678	1.2+1	2.4+1	. 13 DATA POINTS.
2672	HRV	Expt J PR	91 885	53	9.8+0	9.9+1 Meadows. CURV. SEPARATED OXIDE POWDER.
		Expt 4 EXFORB0054.006	77	9.8+0	9.9+1	. 18 DATA POINTS.
2673	KFK	Comp B PH-DAT	15 2	079	9.8+0	9.9+1 Muenzel+ TBL. FROM EXFOR.
		Comp B PH-DAT	15 1	079	1.8+1	1.0+2 Muenzel+ TBL. FROM EXFOR.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{65}\text{Cu}(p,n+p)^{64}\text{Cu}$ $\sigma(E)$						
2674	MCG	Expt W	MEGHIR+	66	1.9+1	8.5+1 Meghir+ TBL IN PR 144,962(1966)
		Expt J	JIN 33	3627	71	2.0+1 8.5+1 Hogan+ TBL. AS RENORMALIZED BY SAHA+
		Expt J	CJC 49	2205	71	2.0+1 8.5+1 Saha+ TBL. RENORMALIZED MEGHIR DATA.
		Expt J	CJC 45	1149	67	1.8+1 8.5+1 Sachdev+ TBL. AS RENORMALIZED BY SAHA+
		Expt J	PR 144	962	66	1.8+1 8.5+1 Saha+ TBL. RENORMALIZED MEGHIR DATA.
		Expt I	MEGHIR		66	1.8+1 8.5+1 Meghir. TBL IN PR 144, 962(1966)
		Expt 4	EXFORB0016.004	N78	1.8+1	8.5+1 . 44 POINTS. AS RENOR. BY SAHA.
		Expt 4	EXFORB0016.002	076	1.9+1	8.5+1 . 19 DATA POINTS.
2675	ORL	Expt J	PR 99	718	55	2.2+1 Cohen+ TBL. NATURAL TARGET.
		Expt 4	EXFORB0050.012	77	2.2+1	. 500MB. REL. UNC.=15%. CALIB. UNC.=15%
2676	MCG	Expt J	CJC 55	3609	077	3.5+1 8.5+1 Gallinier+TBL. MONITOR FROM JIN 35,361(73)
		Expt J	JIN 35	361	73	2.3+1 1.0+2 Newton+ TBL. CURV. ACTIVATION.
		Expt 4	EXFORB0023.002	77	2.3+1	1.0+2 . 19 DATA POINTS.
$^{65}\text{Cu}(p,n+p)^{64}\text{Cu}$ $\sigma(E)$						
2677	BNL	Expt J	JIN 38	23	76	1.3+1 2.5+1 Collis+ SINGLE AND STCKD FOILS.
		Expt 4	EXFORB0059.002	491	77	1.3+1 2.5+1 . 19 DATA POINTS.
2678	BNL	Theo C	77BNL		491	77 1.5+1 7.0+1 Divadeenam. CURV. GDH+PREEQUILIBRIUM.
$^{65}\text{Cu}(p,n+p)^{64}\text{Cu}$ $\sigma(E)$ x factor						
2679	ORL	Expt J	PR 99	718	55	2.2+1 Cohen+ TBL. CURV. RATIO(P,NP)/(P,2N).
$^{65}\text{Cu}(p,n+p)^{64}\text{Cu}$ independent $\sigma(E)$ x abundance						
2680	LAS	Expt J	JIN 38	13	76	5.9+2 Orih+ TBL. INTERLAB COMPARISON.
		Expt 4	EXFORB0096.002	679	5.9+2	. 1 DATA POINT FROM BNW.
$^{65}\text{Cu}(p,\text{inelastic})^{65}\text{Cu}$ partial $\sigma(E)$ x factor						
2681	IJI	Expt J	YF 24	461	976	2.0+0 3.0+0 Krivonosov+ CURV. 771KEV LEVEL.THETA=56
		Expt J	SNP 24	239	77	2.0+0 3.0+0 .TRANSLATION OF YF 24(3), 461(1976).
$^{65}\text{Cu}(p,\text{inelastic})^{65}\text{Cu}$ $\sigma(E)$						
2682	LRL	Expt J	PR 128		291	062 6.0+0 1.2+1 Hansen+ CURV. CALC. CFD. EXP.
2683	LRL	Expt J	PR 123		1818	961 6.2+0 1.1+1 Benveniste+ TBL. TELES.
$^{65}\text{Cu}(p,\text{elastic})^{65}\text{Cu}$ $\sigma(E)$						
2684	MIT	Expt J	PR 123		276	661 7.5+0 Shore+ TBL. OPTICAL MODEL.
$^{65}\text{Cu}(p,4n)^{62}\text{Zn}$ $\sigma(E)$						
2685	HRV	Expt J	PR 91	885	53	3.4+1 9.9+1 Meadows. CURV. SEPARATED OXIDE POWDER.
		Expt 4	EXFORB0054.010	77	3.4+1	9.9+1 . 11 DATA POINTS.
2686	KFK	Comp B	PH-DAT 15	2	079	3.4+1 9.9+1 Muenzel+ TBL. FROM EXFOR.
$^{65}\text{Cu}(p,3n)^{63}\text{Zn}$ $\sigma(E)$						
2687	HRV	Expt J	PR 91	885	53	3.0+1 9.9+1 Meadows. CURV. SEPARATED OXIDE POWDER.
		Expt 4	EXFORB0054.009	77	3.0+1	9.9+1 . 11 DATA POINTS.
2688	KFK	Comp B	PH-DAT 15	2	079	3.0+1 9.9+1 Muenzel+ TBL. FROM EXFOR.
$^{65}\text{Cu}(p,2n)^{64}\text{Zn}$ $\sigma(E)$ x factor						
2689	ORL	Expt J	PR 99	718	55	2.2+1 Cohen+ TBL. CURV. RATIO(P,NP)/(P,2N).
$^{65}\text{Cu}(p,n)^{65}\text{Zn}$ partial raw $\sigma(E)$						
2690	ORE	Expt J	IRE 26	1120	279	TR +0 Lefevre+ CURV. NO,N2. TOF SPECTRUM.
$^{65}\text{Cu}(p,n)^{65}\text{Zn}$ $\sigma(E)$						
2691	CAL	Theo R	OAP-422		875	TR 1.3+1 Woosley+ CURV. HAUSER-FESHBACH.
2692	MIL	Theo J	NIM 146	265	077	2.0+0 4.6+1 Gadioli+ CURV. PRE-EQUIL. MODEL.
		Expt J	NC/A 22	547	874	1.0+1 4.4+1 Gadioli+ TBL. CURV. NAT. CU. EXCITON MO
		Expt 4	EXFORB0027.004	77	1.0+1	4.4+1 . 17 DATA POINTS.
2693	KFK	Comp B	PH-DAT 15	2	079	2.2+0 3.4+1 Muenzel+ TBL. FROM EXFOR.
		Comp B	PH-DAT 15	1	079	1.0+1 4.4+1 Muenzel+ TBL. FROM EXFOR.
2694	ORL	Expt P	ORNL-2910	25	60	2.2+0 5.8+0 Johnson+ CURV. THICKER TRGT. 4PI DETECT
		Expt J	PR 109	1243	58	2.2+0 2.5+0 Johnson+ CURV. NAT CU TARGET.
		Expt P	ORNL-2501	29	58	2.2+0 5.8+0 Johnson+ EXPT. DETAILS.
		Expt 4	EXFORB0068.006	678	2.2+0	5.8+0 . 64 DATA POINTS.
		Expt 4	EXFORB0046.008	77	2.2+0	2.5+0 . 45 DATA POINTS.
2695	ETH	Expt J	HPA 24	3	51	2.8+0 6.3+0 Blaser+ TBL. NATURAL FOIL.
		Expt 4	EXFORB0048.003	77	2.8+0	6.3+0 . 11 DATA POINTS.
2696	BNL	Expt J	PR/C 9	1819	574	2.9+0 2.5+1 Collet+ TBL. CURV. ACTIVATION METHOD.
		Expt 4	EXFORB0057.003	77	2.9+0	3.4+1 . 52 DATA POINTS.
2697	INU	Theo J	PR/C 20	1272	079	3.0+0 5.0+0 Kallias+ CURV. OM FIT TO EXP. DATA.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
⁶⁵ Cu(p,n) ⁶⁵ Zn σ(E)					
2698	ANL Expt J PR	128 280 062 4.5+0 1.0+1	Wing+ TBL. CURV. RESID. RADIOACTIVITY.		
	Expt R T10-12696	61 9.9+0	. SUPERSEDED BY PR 128.280(1962)		
	Expt 4 EXFORB0065.005	678 4.5+0 1.0+1	. 42 DATA POINTS.		
	Expt 4 EXFORB0063.005	678 NDG	. SUPERSEDED BY B0065.005		
2699	BNL Theo C 77BNL	491 77 5.0+0 7.0+1	Divadeenam. CURV. GDH+PREEQUILIBRIUM.		
2700	LRL Expt J PR	128 291 062 5.0+0 1.1+1	Hansen+ CURV. LONG COUNTER. CFD. THEORY		
	Expt J PRL	6 13 161 1.0+1	Albert+ PRELIMINARY VALUES.		
	Expt 4 EXFORB0066.005	678 5.0+0 1.1+1	. 7 DATA POINTS.		
2701	CLA Expt J PR	109 2083 58 6.4+0 1.1+1	Howe. CURV. NATURAL FOILS.		
	Expt 4 EXFORB0060.006	77 6.4+0 1.1+1	. 5 DATA POINTS.		
2702	OSU Expt J NP/A	64 513 65 6.8+0	Dell+ TBL. CURV. STACKED FOILS.		
	Expt J PR	130 1522 563 6.8+0	Humes+ SPSSO BY NP 64, 513(1965).		
	Expt 4 EXFORB0061.006	678 6.8+0	. SUPERSEDED BY B0064.006		
	Expt 4 EXFORB0064.006	678 6.8+0	. (499+-25)MB.		
2703	MIT Expt J PR	123 276 661 7.5+0	Shore+ MEAS. RESIDUAL ACTIVITY.		
	Expt 4 EXFORB0067.003	678 7.5+0	. 537+-21MB.		
2704	HAR Expt J JIN	32 1419 70 8.3+0	Jenkins+ 624MB.		
2705	BIR Expt J PPS	80 738 62 9.3+0	Chackett+ NATURAL TARGET.		
	Expt 4 EXFORB0070.003	678 9.3+0	. 895+-35MB.		
2706	HAR Expt R T10-12696	61 9.9+0	Jones+ LONG COUNTER.		
	Expt 4 EXFORB0063.003	678 9.9+0	. 555+-66MB.		
	Expt 4 EXFORB0063.005	678 NDG	. SUPERSEDED BY B0065.005.		
2707	BNL Expt J ARI	23 342 72 1.6+1 3.3+1	Greene+ TBL. CURV. RESIDUAL ACTIVITY.		
	Expt 4 EXFORB0074.003	678 1.6+1 3.3+1	. 16 DATA POINTS.		
2708	PAR Expt J JPR	23 1000 62 4.6+1 1.4+2	Albouy+ CURV. CFD CASCADE MODEL.		
	Expt 4 EXFORB0106.004	N79 4.6+1 1.4+2	. 9 DATA POINTS.		
⁶⁵ Cu(p,n) ⁶⁵ Zn product yield×factor					
2709	WMU Exth J PR/C	15 1592 477 2.2+0	Bernstein+NDG. CAL. GEOM. CORR TO E(TH)		
⁶⁵ Cu(p,n) ⁶⁵ Zn σ(E)×factor					
2710	ORL Expt J PR	162 1055 067 1.4+1 2.2+1	Williams+ CURV. STACKED FOILS. CFD THEO		
	Expt 4 EXFORB0073.008	678 1.4+1 2.2+1	. 8 DATA POINTS.		
⁶⁵ Cu(p,n) ⁶⁵ Zn average σ(E)					
2711	ORL Expt J PR/B	136 1719 064 2.0+0 2.2+0	Johnson+ CURV. FROM 1952+1958 MEAS.		
⁶⁵ Cu(p,y) ⁶⁰ Zn σ(E)					
2712	CAL Theo J AND	22 371 N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.		
	Theo J AND	22 371 N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR		
	Theo R OAP-422	875 TR	1.3+1 Woosley+ CURV. HAUSER-FESHBACH.		
2713	AML Exth J PR/C	17 392 178 1.1+0 3.6+0	Switkowski+CURV.WIGNERCUSP.CF H-F TOEXP		
⁶⁵ Cu(p,y) ⁶⁰ Zn product yield					
2714	LND Expt P KDK-23	17 478 2.2+0 2.8+0	Erlandsson+ NDG. AVE. RES. SPECT. METH		
⁶⁸ Cu(p,α) ⁶³ Ni σ(E)					
2715	CAL Theo J AND	22 371 N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.		
	Theo J AND	22 371 N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR		
⁶⁸ Cu(p,n) ⁶⁸ Zn σ(E)					
2716	CAL Theo J AND	22 371 N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.		
	Theo J AND	22 371 N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR		
⁶⁸ Cu(p,y) ⁶⁷ Zn σ(E)					
2717	CAL Theo J AND	22 371 N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.		
	Theo J AND	22 371 N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR		
⁶⁷ Cu(p,α) ⁶⁴ Ni σ(E)					
2718	CAL Theo J AND	22 371 N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.		
	Theo J AND	22 371 N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR		
⁶⁷ Cu(p,y) ⁶⁸ Zn σ(E)					
2719	CAL Theo J AND	22 371 N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.		
	Theo J AND	22 371 N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR		
⁶⁸ Cu(p,α) ⁶⁹ Ni σ(E)					
2720	CAL Theo J AND	22 371 N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.		
	Theo J AND	22 371 N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR		

REFERENCES (cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{68}\text{Cu}(p,n)^{68}\text{Zn} \quad \sigma(E)$							
2721	CAL	Theo J AND Theo J AND	22 2P	371	N78 NDG N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{68}\text{Cu}(p,\gamma)^{69}\text{Zn} \quad \sigma(E)$							
2722	CAL	Theo J AND Theo J AND	22 22	371	N78 NDG N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{69}\text{Cu}(p,\alpha)^{66}\text{Ni} \quad \sigma(E)$							
2723	CAL	Theo J AND Theo J AND	22 22	371	N78 NDG N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{69}\text{Cu}(p,n)^{69}\text{Zn} \quad \sigma(E)$							
2724	CAL	Theo J AND Theo J AND	22 22	371	N78 NDG N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{69}\text{Cu}(p,\gamma)^{70}\text{Zn} \quad \sigma(E)$							
2725	CAL	Theo J AND Theo J AND	22 22	371	N78 NDG N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
$\text{Zn}(p,\text{absorption}) \quad \sigma(E)$							
2726	IJI	Rev J FCY Rev J SJPN	6 6	827 325	75 76 8.8+0 9.9+1 8.8+0 9.9+1	Nemets+	TBL. . TRANSLATION OF FCY 6,(4),827(1975).
$\text{Zn}(p,x)\gamma$ thick target yield							
2727	CLU	Expl A BAP	23	926	978 1.0+0 2.7+1	Intrator+	NDG.
$\text{Zn}(p,x)n \quad \sigma(E)$							
2728	LRL	Expl J PR Expl W TO ORNL-CPX Expl 4 EXFORB0093.009	115 64 579	925 64	59 4.0+0 5.5+0 3.6+0 7.0+0 3.6+0 7.0+0	Albert. Albert. . 6 DATA POINTS.	
$\text{Zn}(p,x)n$ thick target yield							
2729	CLU	Expl A BAP	23	926	978 1.0+0 2.7+1	Intrator+	NDG. SHARP RISE ABOVE THRESH.
$\text{Zn}(p,x)^3\text{H}$ thick target yield							
2730	BRK	Expl J PR Expl J PR Expl 4 EXFORB0080.004	120 107 1354 1311 004 078	60 57 3.2+1 3.2+1 3.2+1		Gonzalez-Vidal+	TBL. FROM STACKED FOILS . SOME EXPERIMENTAL DETAILS. . (2.21+-0.22)MB.
2731	KFK	Comp B PH-DAT	15 2	079	3.2+1	Muenzel+	TBL. FROM EXFOR.
$\text{Zn}(p,x)^3\text{H}$ product yield							
2732	BRK	Expl J PR Expl J PR Expl 4 EXFORB0080.004	120 107 1354 1311 004 078	60 57 3.2+1 3.2+1 3.2+1		Gonzalez-Vidal+	TBL. FROM STACKED FOILS . SOME EXPERIMENTAL DETAILS. . (3.25E-5+-10PERCENT)/INCIDENT P.
2733	KFK	Comp B PH-DAT	15 2	079	3.2+1	Muenzel+	TBL. FROM EXFOR.
$\text{Zn}(p,x)^{66}\text{Ga}$ thick target yield							
2734	UJV	Comp R UJF-4199-B		277	6.0+0 1.2+1	Bem+	TBL.
$\text{Zn}(p,x)^{66}\text{Ga} \quad \sigma(E)$							
2735	CCP	Rev J AE Rev J SJA	42 42	311 344	77 077 8.0+0 1.1+1 8.0+0 1.1+1	Zatolokhin+	TBL. ACTIVATION. . TRANSLATION OF AE 42(4), 311(1977).
$\text{Zn}(p,x)^{67}\text{Ga}$ thick target yield							
2736	UJV	Comp R UJF-4199-B		277	1.0+1 2.2+1	Bem+	TBL.
$\text{Zn}(p,xn)^{67}\text{Ga}$ thick target yield							
2737	AML	Rev J IRE	26	2281	479 2.2+1	Chaudri.	TBL. CFD EXP. TO CALC.
$^{69}\text{Zn}(p,\gamma)^{60}\text{Ga} \quad \sigma(E)$							
2738	CAL	Theo J AND Theo J AND	22 22	371	N78 NDG N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{60}\text{Zn}(p,\gamma)^{61}\text{Ga} \quad \sigma(E)$							
2739	CAL	Theo J AND Theo J AND	22 22	371	N78 NDG N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{61}\text{Zn}(p,\gamma)^{62}\text{Ga} \quad \sigma(E)$							
2740	CAL	Theo J AND Theo J AND	22 22	371	N78 NDG N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{62}\text{Zn}(p,\alpha)^{59}\text{Cu}$ $\sigma(E)$						
2741	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{62}\text{Zn}(p,\gamma)^{63}\text{Ga}$ $\sigma(E)$						
2742	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{63}\text{Zn}(p,\alpha)^{60}\text{Cu}$ $\sigma(E)$						
2743	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{63}\text{Zn}(p,\gamma)^{64}\text{Ga}$ $\sigma(E)$						
2744	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{64}\text{Zn}(p,\text{absorption})$ $\sigma(E)$						
2745	IJI	Rev J FCY	6	827	75 1.5+1	Nemets+ TBL. FROM PR 157,1001(1967).
		Rev J SJPN	6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).
2746	MNA	Exth J NP/A	290	45	077 2.2+1 4.8+1	Davison+TBL.CURV.CMPROD TO O.M.+BLACKNUC
$^{64}\text{Zn}(p,\text{total})$ $\sigma(E)$						
2747	IJI	Rev J FCY	6	827	75 1.5+1	Nemets+ CURV. DEPENDENCE ON N.
		Rev J FCY	6	827	75 2.5+1 4.0+1	Nemets+ CURV. DEPENDENCE ON Z.
		Rev J FCY	6	827	75 NDG	Nemets+ CURV. DEPENDENCE ON (N-Z)/A.
		Rev J SJPN	6	325	76 1.5+1 4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).
$^{64}\text{Zn}(p,x)^{1}\text{H}$ $\sigma(E)$						
2748	PUR	Expt A DA/B	37	1252	976 1.3+1	Lux. NDG.
$^{64}\text{Zn}(p,x)^{4}\text{He}$ $\sigma(E)$						
2749	PUR	Expt A DA/B	37	1252	976 1.8+1	Lux. NDG.
$^{64}\text{Zn}(p,n+\alpha)^{60}\text{Cu}$ $\sigma(E)$						
2750	ORL	Expt J PR	94	620	554 TR 2.4+1	Cohen+ CURV. CFD. TO STATISTICAL CALC.
		Expt 4 EXFORB0072.006	678	1.8+1	2.4+1	. 11 DATA POINTS.
2751	KFK	Comp B PH-DAT	15	2	079 1.8+1 2.4+1	Muenzel+ TBL. FROM EXFOR.
$^{64}\text{Zn}(p,\alpha)^{61}\text{Cu}$ $\sigma(E)$						
2752	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875	1.0+0 1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
2753	ORL	Expt J PR	94	620	554 TR 2.4+1	Cohen+ CURV. CFD. TO STATISTICAL CALC.
		Expt 4 EXFORB0072.007	678	7.1+0	2.4+1	. 17 DATA POINTS
2754	KFK	Comp B PH-DAT	15	2	079 7.1+0 2.4+1	Muenzel+ TBL. FROM EXFOR.
2755	PUR	Expt J PR/C	18	148	778 1.2+1	Lux+ TBL. ENERGY AND ANGLE INTEGRATED
2756	MIL	Expt J PR/C	13	1424	76 2.3+1 4.2+1	Guazzoni+ CURV. DEDUCED FROM ANG. DIST.
$^{64}\text{Zn}(p,\alpha)^{61}\text{Cu}$ partial $\sigma(E)$ =factor						
2757	PUR	Expt J PR/C	18	148	778 1.2+1	Lux+ CURV. PERCENT OF PRECOMPOUND EMISS
$^{64}\text{Zn}(p,t)^{62}\text{Zn}$ $\sigma(E)$						
2758	MIL	Expt J PR/C	13	1424	76 2.3+1 4.2+1	Guazzoni+ CURV. DEDUCED FROM ANG. DIST.
$^{64}\text{Zn}(p,x)^{63}\text{Zn}$ cumulative $\sigma(E)$						
2759	KFK	Comp B PH-DAT	15	2	079 2.2+1	Muenzel+ TBL. FROM EXFOR.
2760	ORL	Expt J PR	99	723	55 2.2+1	Cohen+ TBL. ACTIVITY AFTER ^{63}Ga DECAY.
		Expt 4 EXFORB0049.015	77	2.2+1		. 675MB. AVE. UNC.=20%. CALIB. UNC.=15%
$^{64}\text{Zn}(p,d)^{63}\text{Zn}$ $\sigma(E)$						
2761	MIL	Expt J PR/C	13	1424	76 2.3+1 4.2+1	Guazzoni+ CURV. DEDUCED FROM ANG. DIST.
$^{64}\text{Zn}(p,\text{scattering})^{64}\text{Zn}$ $\sigma(E)$						
2762	LRL	Cxpt A BAP	21	662	76 7.0+0 2.6+1	Koopman+ NDG. DEDUCED FROM INELASTIC
$^{64}\text{Zn}(p,\text{inelastic})^{64}\text{Zn}$ $\sigma(E)$						
2763	LRL	Expt A BAP	21	662	76 7.0+0 2.6+1	Koopman+ NDG. ALSO DEDUCED SCT
2764	PUR	Expt J NP/A	277	413	277 1.3+1	Lux+ INTAD. 1557+861MB.
$^{64}\text{Zn}(p,\text{inelastic})^{64}\text{Zn}$ partial $\sigma(E)$,=factor						
2765	IJI	Expt J YF	24	461	976 1.9+0 3.0+0	Krivososov+ CURV. 992KEV LEVEL. THETA=56

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{64}\text{Zn}(p, \text{inelastic})^{64}\text{Zn}$ partial $\sigma(E)$, π factor					
2765	IJI Expt J SNP	24	239	77 1.9+0 3.0+0	.TRANSLATION OF YF 24(3), 461(1976).
$^{64}\text{Zn}(p, \text{inelastic})^{64}\text{Zn}$ partial $\sigma(E)$					
2766	LRL Expt A BAP	23	13 178	7.0+0 2.6+1	Knoopman+ NDG. CFD TO (N, INL) + OTHER.
	Expt A DA/B	38	2735 077	7.0+0 2.6+1	Knoopman. NDG. GAMMA YLDS. DEO. 2+-0+ SIG
$^{64}\text{Zn}(p, n)^{64}\text{Ga}$ $\sigma(E)$					
2767	CAL Theo R OAP-422		875	TR 1.3+1	Woosley+ CURV. HAUSER-FESHBACH.
2768	KFK Comp B PH-DAT	15	2 079	8.1+0 1.2+1	Muenzel+ TBL. FROM EXFOR.
2769	CLA Expt J PR	109	2083	58 8.4+0 1.2+1	Howe. CURV. NATURAL FOILS.
	Expt 4 EXFORB0060.003		77	8.1+0 1.2+1	. B DATA POINTS.
$^{64}\text{Zn}(p, \gamma)^{65}\text{Ga}$ partial raw product yield					
2770	LUQ Expt J CJP	57	733	79 2.9+0 2.9+0	Rangacharyulu+ CURV. IAR TO AAS TRANS.
$^{64}\text{Zn}(p, \gamma)^{65}\text{Ga}$ $\sigma(E)$					
2771	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR 1.3+1	Woosley+ CURV. HAUSER-FESHBACH.
2772	IJI Expt J IZV	41	2196	77 6.0-1 3.0+0	Krivososov+ CURV. PROMPT + RESIDUAL ACT
	Expt J BAS	41	175	78 6.0-1 3.0+0	. TRANSLATION OF IZV 41(10), 2196(1977)
2773	CLU Expt J AJ	205	302	76 8.1-1 5.1+0	Roughton+ TBL. COEFF. FROM FIT TO TTY.
	Expt C 75WASH	1	69	375 8.1-1 5.1+0	. SUPERSEDED BY AJ 205, 302(1976).
2774	KFK Comp B PH-DAT	15	2 079	8.0+0 1.1+1	Muenzel+ TBL. FROM EXFOR.
2775	ORL Expt J PR	100	206	055 8.0+0 1.1+1	Cohen. TBL. STACKED FOILS.
	Expt 4 EXFORB0047.005		77	8.0+0 1.1+1	. 2 DATA POINTS.
$^{64}\text{Zn}(p, \gamma)^{65}\text{Ga}$ thick target yield					
2776	CLU Exth J AND	23	177	279 9.7-1 5.0+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76 9.0-1 5.0+0	Roughton+ CURV. ALSO STELLAR REAC. RATE
	Expt J ANE	2	503	775 NDG	. MORE TECHNICAL DETAILS.
	Expt C 75WASH	1	69	375 9.7-1 5.0+0	Roughton+ NDG. ALSO STELLAR REAC. RATE.
	Expt J AJ	193	187	074 NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374 NDG	. MORE TECHNICAL DETAILS.
$^{65}\text{Zn}(p, \alpha)^{62}\text{Cu}$ $\sigma(E)$					
2777	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{65}\text{Zn}(p, \gamma)^{66}\text{Ga}$ $\sigma(E)$					
2778	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{66}\text{Zn}(p, \text{absorption})^{66}\text{Zn}$ $\sigma(E)$					
2779	IJI Rev J FCY	6	827	75 9.9+0 1.5+1	Nemets+ TBL. FROM PR 157, 1001(1967).
	Rev J SJPN	6	325	76 9.9+0 1.5+1	. TRANSLATION OF FCY 6, (4), 827(1975).
2780	MNA Exth J NP/A	290	45	077 2.2+1 4.8+1	Davison+TBL. CURV. CMPRD TO O.M.+BLACKNUC
$^{66}\text{Zn}(p, \text{total})^{66}\text{Zn}$ $\sigma(E)$					
2781	IJI Rev J FCY	6	827	75 1.5+1	Nemets+ CURV. DEPENDENCE ON N.
	Rev J FCY	6	827	75 1.4+1	Nemets+ CURV. DEPENDENCE ON Z.
	Rev J SJPN	6	325	76 1.4+1 2.7+1	. TRANSLATION OF FCY 6, (4), 827(1975).
$^{68}\text{Zn}(p, x)^{1}\text{H}$ $\sigma(E)$					
2782	PUR Expt A DA/B	37	1252	976 1.3+1	Lux. NDG.
$^{68}\text{Zn}(p, x)^{4}\text{He}$ $\sigma(E)$					
2783	PUR Expt A DA/B	37	1252	976 1.8+1	Lux. NDG.
$^{68}\text{Zn}(p, \alpha)^{63}\text{Cu}$ $\sigma(E)$					
2784	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	1.2+0 1.3+1	Woosley+ CURV. HAUSER-FESHBACH.
2785	PUR Expt J PR/C	18	148	778 1.2+1	Lux+ TBL. ENERGY AND ANGLE INTEGRATED
$^{68}\text{Zn}(p, \alpha)^{63}\text{Cu}$ partial $\sigma(E)$, π factor					
2786	PUR Expt J PR/C	18	148	778 1.2+1	Lux+ CURV. PERCENT OF PRECOMPOUND EMISS
$^{68}\text{Zn}(p, x)^{69}\text{Zn}$; cumulative $\sigma(E)$					
2787	KFK Comp B PH-DAT	15	2 079	2.2+1	Muenzel+ TBL. FROM EXFOR.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁶⁶Zn(p,x)⁶⁵Zn cumulative σ(E)						
2788	ORL	Expt J	PR 99 723	55	2.2+1	Cohen+ TBL. ACTIVITY AFTER ⁶⁵ GA DECAY.
		Expt 4	EXFORB0049.016	77	2.2+1	. 920MB. AVE. UNC.=20%. CALIB. UNC.=15%
⁶⁶Zn(p,inelastic)⁶⁶Zn σ(E)						
2789	PUR	Expt J	NP/A 277 413	277	1.3+1	Lux+ INTAD. (246+-35)MB.
⁶⁶Zn(p,inelastic)⁶⁶Zn partial σ(E), x factor						
2790	IJI	Expt J	YF 24 461	976	2.0+0	Krivososov+ CURV. 1.0+1.9MEV LEV.THETA=56
		Expt J	SNP 24 239	77	2.0+0	.TRANSLATION OF YF 24(3). 461(1976).
⁶⁶Zn(p,n)⁶⁶Ga σ(E)						
2791	CAL	Theo R	OAP-422 875	TR	1.3+1	Woosley+ CURV. HAUSER-FESHBACH.
2792	KFK	Comp B	PH-DAT 15 2 079	5.5+0	1.6+1	Muenzel+ TBL. FROM EXFOR.
2793	CLA	Expt J	PR 109 2083	58	5.9+0	1.2+1 Howe. CURV. NATURAL FOILS.
		Expt 4	EXFORB0060.004	77	5.5+0	1.2+1 . 16 DATA POINTS.
2794	ETH	Expt J	HPA 24 3 51	6.1+0	6.4+0	Blaser+ TBL. NATURAL FOIL.
		Expt 4	EXFORB0048.004	77	6.1+0	6.4+0 . 3 DATA POINTS.
2795	MUN	Expt J	NP/A 198 625	70	9.5+0	1.6+1 Hillie+ TBL. CURV. STCKD FOILS.
		Expt 4	EXFORB0058.003	77	9.5+0	1.6+1 . 8 DATA POINTS.
2796	ORL	Expt J	PR 100 1340	D55	1.2+1	Blossert+ TBL. CURV.
		Expt 4	EXFORB0052.007	77	1.2+1	. (585+-60)MB.
⁶⁶Zn(p,y)⁶⁷Ga partial raw product yield						
2797	LUQ	Expt J	CJP 57 733	79	NDG	Rangacharyulu+ NDG. NEAR IAR.
⁶⁶Zn(p,y)⁶⁷Ga σ(E)						
2798	CAL	Theo J	AND 22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422 875	TR	1.3+1	Woosley+ CURV. HAUSER-FESHBACH.
⁶⁷Zn(p,α)⁶⁴Cu σ(E)						
2799	CAL	Theo J	AND 22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422 875	1.1+0	1.0+1	Woosley+ CURV. HAUSER-FESHBACH.
⁶⁷Zn(p,inelastic)⁶⁷Zn partial σ(E), x factor						
2800	IJI	Expt J	YF 24 461	976	1.1+0	3.0+0 Krivososov+ CURV. 185KEV LEVEL.THETA=56
		Expt J	SNP 24 239	77	1.1+0	3.0+0 .TRANSLATION OF YF 24(3). 461(1976).
⁶⁷Zn(p,n)⁶⁷Ga partial σ(E)						
2801	ATH	Expt J	NP/A 279 293	377	3.7+0	4.1+0 Paradellis. TBL. CURV. 23 LEVELS.
⁶⁷Zn(p,n)⁶⁷Ga σ(E)						
2802	CAL	Theo R	OAP-422 875	TR	1.3+1	Woosley+ CURV. HAUSER-FESHBACH.
2803	ORL	Expt P	ORNL-2910 25	60	TR	5.3+0 Johnson+ CURV. THICKER TRGT. 4PI DETECT
		Expt P	ORNL-2501 29	58	TR	5.3+0 Johnson+ EXPT. DETAILS.
		Expt 4	EXFORB0068.011	678	1.8+0	5.3+0 . 30 DATA POINTS.
2804	KFK	Comp B	PH-DAT 15 2 079	1.8+0	6.4+0	Muenzel+ TBL. FROM EXFOR.
2805	KFT	Expt R	KHFTI-77/7 18	77	2.0+0	3.0+0 Krivososov+ CURV. SUMMARY.
2806	ETH	Expt J	HPA 24 3 51	2.3+0	6.4+0	Blaser+ TBL. NATURAL FOIL.
		Expt 4	EXFORB0048.005	77	2.3+0	6.4+0 . 18 DATA POINTS.
⁶⁷Zn(p,n)⁶⁷Ga average σ(E)						
2807	ORL	Expt J	PR/B 136 1719	D64	1.8+0	1.9+0 Johnson+ CURV. FROM 1952 MEASUREMENT.
⁶⁷Zn(p,y)⁶⁸Ga σ(E)						
2808	CAL	Theo J	AND 22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422 875	TR	1.3+1	Woosley+ CURV. HAUSER-FESHBACH.
2809	IJI	Expt J	IZV 41 2196	77	6.0-1	3.0+0 Krivososov+ CURV. PROMPT + RESIDUAL ACT
		Expt J	BAS 41 175	78	6.0-1	3.0+0 . TRANSLATION OF IZV 41(10).2196(1977)
2810	CLU	Expt J	AJ 205 302	76	9.7-1	3.7+0 Roughlon+ TBL. COEFF. FROM FIT TO TTY.
		Expt C	75WASH 1 69	375	NDG	. MORE TECHNICAL DETAILS.
⁶⁷Zn(p,y)⁶⁸Ga thick target yield						
2811	CLU	Exth J	AND 23 177	279	9.7-1	3.7+0 Roughlon+ TBL. ALSO STELLAR REACT. RATE
		Expt J	AJ 205 302	76	9.7-1	3.7+0 Roughlon+ NDG. ALSO STELLAR REACT. RATE
		Expt C	75WASH 1 69	375	9.7-1	3.7+0 Roughlon+ NDG. ALSO STELLAR REAC. RATE.
		Expt J	AJ 193 187	074	NDG	. MORE TECHNICAL DETAILS.
		Expt J	AJ 188 595	374	NDG	. MORE TECHNICAL DETAILS.

REFERENCES(cont)

No.	Lab	Work	Reference	Emin	Emax	Author.	Comments
Type				(MeV)	(MeV)		
$^{68}\text{Zn}(p, \text{absorption}) \quad \sigma(E)$							
2812	IJI	Revw J	FCY 6	827	75 1.5+1	6.1+1	Nemets+ TBL.
		Revw J	SJPN 6	325	76 1.5+1	6.1+1	. TRANSLATION OF FCY 6.(4), 827(1975).
2813	MNA	Exth J	NP/A 290	45	077 2.2+1	4.8+1	Davison+TBL. CURV. CHPRD TO O.M.+BLACKNUC
$^{68}\text{Zn}(p, \text{total}) \quad \sigma(E)$							
2814	IJI	Revw J	FCY 6	827	75 1.5+1		Nemets+ CURV. DEPENDENCE ON N.
		Revw J	FCY 6	827	75 NDG		Nemets+ CURV. DEPENDENCE ON (N-Z)/A.
		Revw J	SJPN 6	325	76 1.5+1		. TRANSLATION OF FCY 6.(4), 827(1975).
$^{68}\text{Zn}(p, x)^1\text{H} \quad \sigma(E)$							
2815	PUR	Expt A	DA/B 37	1252	976 1.3+1		Lux. NDG.
$^{68}\text{Zn}(p, x)^4\text{He} \quad \sigma(E)$							
2816	PUR	Expt A	DA/B 37	1252	976 1.4+1		Lux. NDG.
$^{68}\text{Zn}(p, \alpha)^{65}\text{Cu} \quad \sigma(E)$							
2817	CAL	Theo J	AND 22	371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422		875 1.1+0	1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
2818	CAL	Expt A	DA/B 40	1237	979 3.4+0	5.5+0	Zyskind. SIGNIFICANT N COMPETITION CUSP
		Expt A	BAP 22	1246	N77 3.4+0	5.5+0	Essel+ NDG. WIGNER CUSP AT (P,N) THRESH
2819	PUR	Expt J	PR/C 18	148	778 1.2+1		Lux+ TBL. ENERGY AND ANGLE INTEGRATED
$^{68}\text{Zn}(p, \alpha)^{65}\text{Cu} \quad \sigma(E) \times \text{factor}$							
2820	CAL	Expt C	77TOKYO	846	977 NDG		Zyskind+ TBL. WIGNER CUSP/MINIMUM RATIO
$^{68}\text{Zn}(p, \alpha)^{65}\text{Cu} \quad \text{partial } \sigma(E) \times \text{factor}$							
2821	PUR	Expt J	PR/C 18	148	778 1.2+1		Lux+ CURV. PERCENT OF PRECOMPOUND EMISS
$^{68}\text{Zn}(p, 2p)^{67}\text{Cu} \quad \sigma(E)$							
2822	KFK	Comp B	PH-DAT 15	2	079 2.2+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
2823	ORL	Expt J	PR 99	723	55 2.2+1		Cohen+ TBL. RESIDUAL ACTIVITY.
		Expt 4	EXFORB0049.017	77	2.2+1		. 3.8MB. AVE. UNC.=20%. CALIB. UNC.=15%
2824	MCG	Expt J	NP/A 150	11	70 3.0+1	8.5+1	Mc-Gee+ TBL. CURV. ACTIVATION METHOD.
		Expt 4	EXFORB0053.005	77	3.0+1	8.5+1	. 8 DATA POINTS.
$^{68}\text{Zn}(p, x)^{65}\text{Zn} \quad \text{cumulative? } \sigma(E)$							
2825	MCG	Expt J	NP/A 150	11	70 3.0+1	8.5+1	Mc-Gee+ TBL. CURV. ACTIVATION METHOD.
		Expt 4	EXFORB0053.006	77	4.0+1	8.5+1	. 6 DATA POINTS.
2826	KFK	Comp B	PH-DAT 15	2	079 4.0+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
$^{68}\text{Zn}(p, np)^{67}\text{Zn} \quad \sigma(E) \times \text{factor}$							
2827	ORL	Expt J	PR 99	718	55 2.2+1		Cohen+ TBL. CURV. RATIO(P,NP)/(P,2N).
$^{68}\text{Zn}(p, \text{inelastic})^{68}\text{Zn} \quad \sigma(E)$							
2828	PUR	Expt J	NP/A 277	413	277 1.3+1		Lux+ INTAD. (103+-16)MB.
$^{68}\text{Zn}(p, \text{inelastic})^{68}\text{Zn} \quad \text{partial } \sigma(E) \times \text{factor}$							
2829	IJI	Expt J	YF 24	461	976 2.0+0	3.0+0	Krivososov+ CURV. 1077KEV LEVEL. THETA=56
		Expt J	SNP 24	239	77 2.0+0	3.0+0	. TRANSLATION OF YF 24(3), 461(1976).
$^{68}\text{Zn}(p, 3n)^{66}\text{Ga} \quad \text{product yield}$							
2830	USA	Revw J	IRE 26	1703	279 NDG		Beaver+ 3 PERCENT IMPURITY OF 67GA
$^{68}\text{Zn}(p, 3n)^{66}\text{Ga} \quad \sigma(E)$							
2831	KFK	Comp B	PH-DAT 15	2	079 3.0+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
		Comp B	PH-DAT 15	1	079 4.0+2		Muenzel+ TBL. FROM EXFOR.
2832	MCG	Expt J	NP/A 150	11	70 3.0+1	8.5+1	Mc-Gee+ TBL. CURV. ACTIVATION METHOD.
		Expt 4	EXFORB0053.004	77	3.0+1	8.5+1	. 8 DATA POINTS.
2833	PUP	Expt J	PR 178	1732	269 4.0+2		Church+ TBL. STACKED FOILS.
		Expt 4	EXFORB0024.006	77	4.0+2		. (2.30+-0.35)MB.
$^{68}\text{Zn}(p, 2n)^{67}\text{Ga} \quad \text{product yield}$							
2834	USA	Revw J	IRE 26	1703	279 NDG		Beaver+ 4.5 MC1/MUAHR.
$^{68}\text{Zn}(p, 2n)^{67}\text{Ga} \quad \sigma(E)$							
2835	KFK	Comp B	PH-DAT 15	2	079 1.5+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
		Comp B	PH-DAT 15	1	079 4.0+2		Muenzel+ TBL. FROM EXFOR.
2836	MCG	Expt J	NP/A 150	11	70 1.5+1	8.5+1	Mc-Gee+ TBL. CURV. ACTIVATION METHOD.
		Expt 4	EXFORB0053.003	77	1.5+1	8.5+1	. 11 DATA POINTS.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{60}\text{Zn}(p,2n)^{67}\text{Ga}$ $\sigma(E)$						
2837	ORL	Expt J PR	99 718	55	2.2+1	Cohen+ TBL. NATURAL TARGET.
		Expt 4 EXFORB0050.013	77	2.2+1		. 780MB. REL. UNC.=15%. CALIB. UNC.=15%
2838	PUP	Expt J PR	178 1732	269	4.0+2	Church+ TBL. STACKED FOILS.
		Expt 4 EXFORB0024.005	77	4.0+2		. (2.34+-0.34)MB.
$^{68}\text{Zn}(p,2n)^{67}\text{Ga}$ $\sigma(E)$ factor						
2839	ORL	Expt J PR	99 718	55	2.2+1	Cohen+ TBL. CURV. RATIO(P,NP)/(P,2N).
$^{68}\text{Zn}(p,n)^{68}\text{Ga}$ $\sigma(E)$						
2840	CAL	Theo R OAP-422		875	TR	1.3+1 Woosley+ CURV. HAUSER-FESHBACH.
2841	ORL	Expt P ORNL-2910	25	60	TR	5.9+0 Johnson+ CURV. THICKER TRGT. 4PI DETECT
		Expt P ORNL-2501	29	58	TR	5.9+0 Johnson+ EXPT. DETAILS.
		Expt 4 EXFORB0068.012	678	3.8+0	5.9+0	. 40 DATA POINTS.
2842	ETH	Expt J HPA	24 3	51	3.4+0	6.4+0 Blaser+ TBL. NATURAL FOIL.
		Expt 4 EXFORB0048.006	77	3.4+0	6.4+0	. 15 DATA POINTS.
2843	KFK	Comp B PH-DAT	15 2	079	3.4+0	8.5+1 Muenzel+ TBL. FROM EXFOR.
		Comp B PH-DAT	15 1	079	4.0+2	Muenzel+ TBL. FROM EXFOR.
2844	CAL	Expt A DA/B	40 1237	979	3.8+0	5.0+0 Zyskind. SIGNIFICANT N COMPETITION CUSP
2845	CLU	Expt C 75WASH	1 69	375	3.9+0	5.0+0 Roughton+ TBL. COEFF. FROM FIT TO TTY.
2846	CLA	Expt J PR	109 2083	58	5.6+0	1.2+1 Howe. CURV. NATURAL FOILS.
		Expt 4 EXFORB0060.005	77	5.1+0	1.2+1	. 16 DATA POINTS.
2847	NRL	Rev J AJ/S	35 137	077	8.0+0	8.0+2 Silberberg+ CURV.
		Theo J AJ/S	35 129	077	8.0+0	8.0+1 Silberberg+ CURV. 4 REFERENCES.
2848	MUN	Expt J NP/A	198 625	70	9.5+0	1.6+1 Hillie+ TBL. CURV. STCKD FOILS.
		Expt 4 EXFORB0058.004	77	9.5+0	1.6+1	. 8 DATA POINTS.
2849	MCG	Expt J NP/A	150 11	70	1.0+1	8.5+1 Mcgee+ TBL. CURV. ACTIVATION METHOD.
		Expt 4 EXFORB0053.002	77	1.0+1	8.5+1	. 10 DATA POINTS.
2850	ORL	Expt J PR	100 1340	055	1.2+1	Blosser+ TBL. CURV.
		Expt 4 EXFORB0052.008	77	1.2+1		. (1.10+-0.15)B.
2851	PUP	Expt J PR	178 1732	269	4.0+2	Church+ TBL. STACKED FOILS.
		Expt 4 EXFORB0024.004	77	4.0+2		. (1.38+-0.18)MB.
$^{68}\text{Zn}(p,n)^{68}\text{Ga}$ raw $\sigma(E)$						
2852	ORL	Expt J PR/B	136 1719	D64	3.6+0	4.0+0 Johnson+ CURV. FROM 1953+1960 MEAS.
$^{68}\text{Zn}(p,n)^{68}\text{Ga}$ thick target yield						
2853	CLU	Exth J AND	23 177	279	4.1+0	5.0+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
		Expt J AJ	205 302	76	4.1+0	5.0+0 Roughton+ NDG. ALSO STELLAR REACT. RATE
		Expt C 75WASH	1 69	375	4.1+0	5.0+0 Roughton+ NDG. ALSO STELLAR REACT. RATE.
		Expt J AJ	193 187	074	NDG	. MORE TECHNICAL DETAILS.
		Expt J AJ	188 595	374	NDG	. MORE TECHNICAL DETAILS.
$^{68}\text{Zn}(p,\gamma)^{68}\text{Ga}$ $\sigma(E)$						
2854	CAL	Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875	TR	1.3+1 Woosley+ CURV. HAUSER-FESHBACH.
2855	CAL	Expt A DA/B	40 1237	979	1.7+0	5.0+0 Zyskind. SIGNIFICANT N COMPETITION CUSP
		Expt A BAP	22 1246	N77	1.7+0	5.0+0 Esal+ NDG. WIGNER CUSP AT (P,N) THRESH
$^{68}\text{Zn}(p,\gamma)^{68}\text{Ga}$ $\sigma(E)$ factor						
2856	CAL	Expt C	777OKYO	846	977	NDG Zyskind+ TBL. WIGNER CUSP/MINIMUM RATIO
$^{69}\text{Zn}(p,\alpha)^{68}\text{Cu}$ $\sigma(E)$						
2857	CAL	Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{69}\text{Zn}(p,n)^{69}\text{Ga}$ $\sigma(E)$						
2858	CAL	Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{69}\text{Zn}(p,\gamma)^{70}\text{Ga}$ $\sigma(E)$						
2859	CAL	Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{70}\text{Zn}(p,\text{total})$ $\sigma(E)$						
2860	[J]	Rev J FCY	6 827	75	NDG	Nemeis+ CURV. DEPENDENCE ON (N-2)/A.
		Rev J SJPN	6 325	76	NDG	. TRANSLATION OF FCY 6.(14),827(1975).
$^{70}\text{Zn}(p,x)^{1}\text{H}$ $\sigma(E)$						
2861	PUR	Expt A DA/B	37 1252	976	1.3+1	Lux. NDG.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{70}\text{Zn}(p,x)^4\text{He}$ $\sigma(E)$						
2862	PUR Expt A DA/B	37	1252	976 1.8+1	Lux.	NDG.
$^{70}\text{Zn}(p,\alpha)^{67}\text{Cu}$ $\sigma(E)$						
2863	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	1.0+0 1.0+1	Woosley+	CURV. HAUSER-FESHBACH.
2864	PUR Expt J PR/C	10	148	77R 1.2+1	Lux+	TBL. ENERGY AND ANGLE INTEGRATED
$^{70}\text{Zn}(p,\alpha)^{67}\text{Cu}$ partial $\sigma(E)$ x factor						
2865	PUR Expt J PR/C	18	148	77R 1.2+1	Lux+	CURV. PERCENT OF PRECOMPOUND EMISS
$^{70}\text{Zn}(p,x)^{69}\text{Cu}$ partial $\sigma(E)$ x factor						
2866	SWR Theo J PS	20	105	79 2.0+1	Rudstam.	TBL. EVAP YLD. FCT=1/SIG(INL)
$^{70}\text{Zn}(p,x)^{69}\text{Zn}$ partial $\sigma(E)$ x factor						
2867	SWR Theo J PS	20	105	79 2.0+1	Rudstam.	TBL. EVAP YLD. FCT=1/SIG(INL)
$^{70}\text{Zn}(p,x)^{69}\text{Zn}$ ratio $\sigma(E)$						
2868	SWR Theo J PS	20	105	79 2.5+1 1.5+2	Rudstam.	CURV. EVAP. CALC. CFD EXPT.
$^{70}\text{Zn}(p,\text{inelastic})^{70}\text{Zn}$ partial $\sigma(E)$ x factor						
2869	SWR Theo J PS	20	105	79 2.0+1	Rudstam.	TBL. EVAP YLD. FCT=1/SIG(INL)
$^{70}\text{Zn}(p,\text{inelastic})^{70}\text{Zn}$ $\sigma(E)$						
2870	PUR Expt J NP/A	277	413	277 1.3+1	Lux+	INTAD. (85+-12)MB.
$^{70}\text{Zn}(p,\text{inelastic})^{70}\text{Zn}$ partial $\sigma(E)$ x factor						
2871	IJI Expt J YF	24	461	976 1.8+0 3.0+0	Krivonosov+	CURV. 884KEV LEVEL. THETA=56
	Expt J SNP	24	239	77 1.8+0 3.0+0		.TRANSLATION OF YF 24(3), 461(1976).
$^{70}\text{Zn}(p,2n)^{68}\text{Ga}$ partial $\sigma(E)$ x factor						
2872	SWR Theo J PS	20	105	79 2.0+1	Rudstam.	TBL. EVAP YLD. FCT=1/SIG(INL)
$^{70}\text{Zn}(p,n)^{70}\text{Ga}$ partial $\sigma(E)$ x factor						
2873	SWR Theo J PS	20	105	79 2.0+1	Rudstam.	TBL. EVAP YLD. FCT=1/SIG(INL)
$^{70}\text{Zn}(p,n)^{70}\text{Ga}$ product yields x factor						
2874	WMU Exth J PR/C	15	1592	477 1.5+0	Bernstein.	NDG. CAL. GEOM. CORR TO E(TH)
$^{70}\text{Zn}(p,n)^{70}\text{Ga}$ $\sigma(E)$						
2875	CAL Theo R OAP-422		875	TR 1.3+1	Woosley+	CURV. HAUSER-FESHBACH.
2876	KFT Expt R KHFT1-77/7	18	77	2.0+0 3.0+0	Krivonosov+	CURV. SUMMARY.
$^{70}\text{Zn}(p,n)^{70}\text{Ga}$ average $\sigma(E)$						
2877	ORL Expt J PR/B	136	1719	D64 1.5+0 1.5+0	Johnson+	CURV. FROM 1952 MEASUREMENT.
$^{70}\text{Zn}(p,\gamma)^{71}\text{Ga}$ $\sigma(E)$						
2878	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR 1.3+1	Woosley+	CURV. HAUSER-FESHBACH.
$^{71}\text{Zn}(p,\alpha)^{68}\text{Cu}$ $\sigma(E)$						
2879	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{71}\text{Zn}(p,n)^{71}\text{Ga}$ $\sigma(E)$						
2880	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{71}\text{Zn}(p,\gamma)^{72}\text{Ga}$ $\sigma(E)$						
2881	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$\text{Ga}(p,x)$ partial $\sigma(E)$ x factor						
2882	NRL Revv J AJ/S	35	137	077 6.0+1 8.5+1	Silberberg+	TBL. PERIPHERAL REAC. EXC. (P,XN
$\text{Ga}(p,\text{absorption})$ $\sigma(E)$						
2883	IJI Revv J FCY	6	827	75 8.8+0	Nemets+	TBL. FROM NP 69,536(1965).
	Revv J SJPN	6	325	76 8.8+0		. TRANSLATION OF FCY 6,(4),827(1975).

REFERENCES (cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
	Ga(p,x) ⁶⁹ Ge	$\sigma(E)$				
2884	CCP Revv J AE	42	311	77 8.0+0	1.1+1	Zatolokin+ TBL. ACTIVATION.
	Revv J SJA	42	344	077 8.0+0	1.1+1	. TRANSLATION OF AE 42(4), 311(1977).
	⁶³ Ga(p,a) ⁶⁰ Zn	$\sigma(E)$				
2885	CAL Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁶³ Ga(p, γ) ⁶⁴ Ge	$\sigma(E)$				
2886	CAL Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁶⁴ Ga(p,a) ⁶¹ Zn	$\sigma(E)$				
2887	CAL Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁶⁴ Ga(p, γ) ⁶⁵ Ge	$\sigma(E)$				
2888	CAL Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁶⁵ Ga(p,a) ⁶² Zn	$\sigma(E)$				
2889	CAL Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁶⁵ Ga(p, γ) ⁶⁶ Ge	$\sigma(E)$				
2890	CAL Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁶⁶ Ga(p,a) ⁶³ Zn	$\sigma(E)$				
2891	CAL Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁶⁶ Ga(p, γ) ⁶⁷ Ge	$\sigma(E)$				
2892	CAL Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁶⁷ Ga(p,a) ⁶⁴ Zn	$\sigma(E)$				
2893	CAL Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁶⁷ Ga(p, γ) ⁶⁸ Ge	$\sigma(E)$				
2894	CAL Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁶⁸ Ga(p,a) ⁶⁵ Zn	$\sigma(E)$				
2895	CAL Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁶⁸ Ga(p, γ) ⁶⁹ Ge	$\sigma(E)$				
2896	CAL Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁶⁸ Ga(p,x)	spallation $\sigma(E)$ =factor				
2897	NRL Revv J AJ/5	35	137	077 6.0+1	8.5+1	Silberberg+ TBL. RATIO CALC./EXPT.
	⁶⁸ Ga(p,a) ⁶⁶ Zn	$\sigma(E)$				
2898	CAL Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁶⁸ Ga(p,n+p) ⁶⁸ Ga	$\sigma(E)$				
2899	KFK Comp B PH-DAT	15	2	079 2.2+1		Muenzel+ TBL. FROM EXFOR.
2900	ORL Expl J PR	99	718	55 2.2+1		Cohen+ TBL. NATURAL TARGET.
	Expl 4 EXFORB0050.015		77	2.2+1		. 360MB. REL. UNC.=15%. CALIB. UNC.=15%
	⁶⁹ Ga(p,n+p) ⁶⁸ Ga	$\sigma(E)$ =factor				
2901	ORL Expl J PR	99	718	55 2.2+1		Cohen+ TBL. CURV. RATIO(P,NP)/(P,2N).
	⁶⁹ Ga(p,inelastic) ⁶⁹ Ga	partial $\sigma(E)$,				
2902	ATH Expl J PR/C	18	660	878 4.8+0		Paradellis+TBL.7 STATES. EP=3.0-5.1 ME

REFERENCES(cont)

No.	Lab	Work	Reference	Emin	Emax	Author, Comments
		Type		(MeV)	(MeV)	
$^{69}\text{Ga}(p,2n)^{68}\text{Ge} \quad \sigma(E)$						
2903	KFK	Comp B PH-DAT	15 2 D79	2.2+1		Muenzel+ TBL. FROM EXFOR.
2904	ORL	Expt J PR	99 718	55 2.2+1		Cohen+ TBL. NATURAL TARGET.
		Expt 4 EXFORB0050.014	77 2.2+1			. 360MB. REL. UNC.=15%. CALIB. UNC.=15%
$^{69}\text{Ga}(p,2n)^{68}\text{Ge} \quad \sigma(E) \times \text{factor}$						
2905	ORL	Expt J PR	99 718	55 2.2+1		Cohen+ TBL. CURV. RATIO(P,NP)/(P,2N).
$^{69}\text{Ga}(p,n)^{69}\text{Ge} \quad \sigma(E)$						
2906	KFK	Comp B PH-DAT	15 2 D79	3.0+0	1.2+1	Muenzel+ TBL. FROM EXFOR.
2907	ORL	Expt P ORNL-2910	25 60	3.0+0	5.5+0	Johnson+ CURV. THICKER TRGT. 4PI DETECT
		Expt P ORNL-2501	29 58	3.0+0	5.5+0	Johnson+ EXPT. DETAILS.
		Expt 4 EXFORB0068.003	678	3.0+0	5.5+0	. 15 DATA POINTS.
2908	OSU	Expt J PR	130 1522	563 6.8+0		Humes+ MEASURED RESIDUAL RADIATION
		Expt 4 EXFORB0061.007	678 6.8+0			. 981+-98MB.
2909	ORL	Expt J PR	100 1340	055 1.2+1		Blosser+ TBL. CURV.
		Expt 4 EXFORB0052.009	77 1.2+1			. (960+-350)MB.
$^{69}\text{Ga}(p,n)^{69}\text{Ge} \quad \text{raw } \sigma(E)$						
2910	ORL	Expt J PR/B	136 1719	064 2.8+0	3.5+0	Johnson+ CURV. FROM 1953+1960 MEAS.
$^{69}\text{Ga}(p,\gamma)^{70}\text{Ge} \quad \sigma(E)$						
2911	CAL	Theo J AND	22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{69}\text{Ga}(p,x)\text{mass distribution spallation } \sigma(E)$						
2912	NRL	Revw J AJ/5	35 137	077 6.0+1		Silberberg+CFD.CALC.METH.+EXP.11MASSES
$^{70}\text{Ga}(p,\alpha)^{67}\text{Zn} \quad \sigma(E)$						
2913	CAL	Theo J AND	22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{70}\text{Ga}(p,x)^{69\text{m}}/^{69}\text{Zn} \quad \text{ratio } \sigma(E)$						
2914	SWR	Theo J PS	20 105	79 2.5+1	1.5+2	Rudstam. CURV. EVAP. CALC. CFD EXPT.
$^{70}\text{Ga}(p,n)^{70}\text{Ge} \quad \sigma(E)$						
2915	CAL	Theo J AND	22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{70}\text{Ga}(p,\gamma)^{71}\text{Ge} \quad \sigma(E)$						
2916	CAL	Theo J AND	22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{71}\text{Ga}(p,\alpha)^{68}\text{Zn} \quad \sigma(E)$						
2917	CAL	Theo J AND	22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{71}\text{Ga}(p,^3\text{He})^{69\text{m}}\text{Zn} \quad \sigma(E)$						
2918	KFK	Comp B PH-DAT	15 2 D79	2.2+1		Muenzel+ TBL. FROM EXFOR.
2919	ORL	Expt J JIN	2 269	56 2.2+1		Mc-Cormick+MEASURED RESID.RADIOACTIVITY
		Expt 4 EXFORB0062.004	678 2.2+1			. 0.05MB (UNCERTAIN BY FACTOR OF 3)
$^{71}\text{Ga}(p,^3\text{He})^{69\text{m}}\text{Zn} \quad \sigma(E)$						
2920	KFK	Comp B PH-DAT	15 2 D79	2.2+1		Muenzel+ TBL. FROM EXFOR.
2921	ORL	Expt J JIN	2 269	56 2.2+1		Mc-Cormick+MEASURED RESID.RADIOACTIVITY
		Expt 4 EXFORB0062.004	678 2.2+1			. 0.05MB (UNCERTAIN BY FACTOR OF 3)
$^{71}\text{Ga}(p,n+p)^{70}\text{Ga} \quad \sigma(E)$						
2922	KFK	Comp B PH-DAT	15 2 D79	2.2+1		Muenzel+ TBL. FROM EXFOR.
2923	ORL	Expt J PR	99 718	55 2.2+1		Cohen+ TBL. NATURAL TARGET.
		Expt 4 EXFORB0050.016	77 2.2+1			. 260MB. REL. UNC.=15%. CALIB. UNC.=15%
$^{71}\text{Ga}(p,n+p)^{70}\text{Ga} \quad \sigma(E) \times \text{factor}$						
2924	ORL	Expt J PR	99 718	55 2.2+1		Cohen+ TBL. CURV. RATIO(P,NP)/(P,2N).
$^{71}\text{Ga}(p,2n)^{70}\text{Ge} \quad \sigma(E) \times \text{factor}$						
2925	ORL	Expt J PR	99 718	55 2.2+1		Cohen+ TBL. CURV. RATIO(P,NP)/(P,2N).
$^{71}\text{Ga}(p,n)^{71}\text{Ge} \quad \sigma(E)$						
2926	ORL	Expt P ORNL-2910	25 60	TR	5.7+0	Johnson+ CURV. THICKER TRGT. 4PI DETECT
		Expt J PR	109 1243	58 1.0+0	1.5+0	Johnson+ CURV. NAT GA TARGET.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁷¹Ga(p,n)⁷¹Ge σ(E)					
2926	ORL Expt P	ORNL-2501	29	58 TR	5.7+0 Johnson+ EXPT. DETAILS.
	Expt 4	EXFORB0068.020	678	1.5+0	5.7+0 . 21 DATA POINTS.
	Expt 4	EXFORB0046.009	77	1.0+0	1.5+0 .25POINTS.ERR ADDED BY COMP TO CPX DATA
2927	KFK Comp B	PH-DAT 15	2	079	1.0+0 5.7+0 Muenzel+ TBL. FROM EXFOR.
2928	INU Theo J	PR/C 20	1272	079	3.0+0 5.0+0 Kailas+ CURV. ON FIT TO EXP. DATA.
2929	OSU Expt J	PR 130	1522	563	6.8+0 Humes+ MEASURED RESIDUAL RADIATION
	Expt 4	EXFORB0061.008	678	6.8+0	. 649+-69MB.
⁷¹Ga(p,n)⁷¹Ge average σ(E)					
2930	ORL Expt J	PR/B 136	1719	D64	1.0+0 1.2+0 Johnson+ CURV. FROM 1952 MEASUREMENT.
⁷¹Ga(p,γ)⁷²Ge σ(E)					
2931	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷²Ga(p,α)⁶⁹Zn σ(E)					
2932	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷²Ga(p,n)⁷²Ge σ(E)					
2933	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷²Ga(p,γ)⁷³Ge σ(E)					
2934	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷³Ga(p,α)⁷⁰Zn σ(E)					
2935	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷³Ga(p,n)⁷³Ge σ(E)					
2936	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷³Ga(p,γ)⁷⁴Ge σ(E)					
2937	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁴Ga(p,α)⁷¹Zn σ(E)					
2938	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁴Ga(p,n)⁷⁴Ge σ(E)					
2939	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁴Ga(p,γ)⁷⁵Ge σ(E)					
2940	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁵Ga(p,α)⁷²Zn σ(E)					
2941	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁵Ga(p,n)⁷⁵Ge σ(E)					
2942	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁵Ga(p,γ)⁷⁶Ge σ(E)					
2943	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
G(p,absorption) σ(E)					
2944	IJI Revv J	FCY 6	827	75	2.9+1 Nemets+ TBL. FROM PL 9,178(1964).
	Revv J	SJPN 6	325	76	2.9+1 . TRANSLATION OF FCY 6,(4),827(1975).
G(p,inelastic) compound-nucleus product yield					
2945	RUT Exlt A	DA/B 38	758	877	NDG Kanters. NDG. EXTR. CN ELAS. SIG FRM T

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
Ge(p,elastic)	compound-nucleus product yield			
2946 RUT Exth A DA/B	38	758	877	NDG Kanfers. NDG. EXTR. CN ELAS. SIG FRM T
Ge(p,total)	$\sigma(E)$			
2947 LAS Theo J PR/C	20	1857	N79	1.0+2 1.0+3 Ray. CURV. SECOND-ORDER KMT FORMALISM.
Ge(p,x)n	$\sigma(E)$			
2948 LRL Expt J PR	115	925	59	4.0+0 5.5+0 Albert. CURV.
Expt 4 EXFORB0093.010	579	4.0+0	5.5+0	. 4 DATA POINTS.
Ge(p,x) ⁷² As	$\sigma(E)$			
2949 CCP Revw J AE	42	311	77	8.0+0 1.1+1 Zolotokin+ TBL. ACTIVATION.
Revw J SJA	42	344	077	8.0+0 1.1+1 . TRANSLATION OF AE 42(4), 311(1977).
Ge(p,x) ⁷³ As	thick target yield			
2950 FEI Expt J AE	41	48	76	7.0+0 2.2+1 Dmitriev+ TBL. CURV. RESIDUAL ACTIVITY.
Expt J SJA	41	657	76	7.0+0 2.2+1 . TRANSLATION OF AE 41, 48(1976)
Expt 4 EXFORA0006.002	478	7.0+0	2.2+1	. 6 DATA POINTS.
Ge(p,x) ⁷⁴ As	$\sigma(E)$			
2951 CCP Revw J AE	42	311	77	8.0+0 1.1+1 Zolotokin+ TBL. ACTIVATION.
Revw J SJA	42	344	077	8.0+0 1.1+1 . TRANSLATION OF AE 42(4), 311(1977).
Ge(p,x) ⁷⁴ As	thick target yield			
2952 FEI Expt J AE	41	48	76	7.0+0 2.2+1 Dmitriev+ TBL. CURV. RESIDUAL ACTIVITY.
Expt J SJA	41	657	76	7.0+0 2.2+1 . TRANSLATION OF AE 41, 48(1976)
Expt 4 EXFORA0006.005	478	7.0+0	2.2+1	. 6 DATA POINTS.
⁶⁵ Ge(p,y) ⁶⁶ As	$\sigma(E)$			
2953 CAL Theo J AND	22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁶ Ge(p,y) ⁶⁷ As	$\sigma(E)$			
2954 CAL Theo J AND	22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁷ Ge(p,a) ⁶⁴ Ge	$\sigma(E)$			
2955 CAL Theo J AND	22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁷ Ge(p,y) ⁶⁸ As	$\sigma(E)$			
2956 CAL Theo J AND	22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁸ Ge(p,a) ⁶⁵ Ge	$\sigma(E)$			
2957 CAL Theo J AND	22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁸ Ge(p,y) ⁶⁹ As	$\sigma(E)$			
2958 CAL Theo J AND	22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁸ Ge(p,a) ⁶⁶ Ge	$\sigma(E)$			
2959 CAL Theo J AND	22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁹ Ge(p,y) ⁷⁰ As	$\sigma(E)$			
2960 CAL Theo J AND	22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁰ Ge(p,a) ⁶⁷ Ge	$\sigma(E)$			
2961 CAL Theo J AND	22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁰ Ge(p,t) ⁶⁸ Ge	partial $\sigma(E)$			
2962 PAR Expt R LSNN-78-01		78	2.6+1	Ardouin+ CURV. MANY LEVELS. INTAD.
⁷⁰ Ge(p,n) ⁷⁰ As	partial relative $\sigma(E)$			
2963 FUL Expt J NP/A	330	409	N79	8.6+0 1.4+1 Ten Brink+ TBL. 43 GS BELOW 521KEV.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁷⁰ Ge(p,γ) ⁷¹ As partial average σ(E)						
2964	WMA	Expt J	NP/A 323	253 779	2.0+0 3.0+0	Szefflinska+ TBL. EST. FROM GAMMAS.
⁷⁰ Ge(p,γ) ⁷¹ As σ(E)						
2965	CAL	Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
2966	CLU	Expt J	AJ 205	302 76	1.5+0 5.1+0	Roughton+ TBL. COEFF. FROM FIT TO TTY.
		Expt C	75WASH 1	69 375	8.1-1 5.1+0	. SUPERSEDED BY AJ 205, 302(1976).
⁷⁰ Ge(p,γ) ⁷¹ As thick target yield						
2967	CLU	Exth J	AND 23	177 279	1.6+0 5.0+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
		Expt J	AJ 205	302 76	1.6+0 5.0+0	Roughton+ NDG. ALSO STELLAR REACT. RATE
		Expt C	75WASH 1	69 375	1.6+0 5.0+0	Roughton+ NDG. ALSO STELLAR REACT. RATE.
		Expt J	AJ 193	187 074	NDG	. MORE TECHNICAL DETAILS.
		Expt J	AJ 188	595 374	NDG	. MORE TECHNICAL DETAILS.
⁷¹ Ge(p,α) ⁶⁸ Ga σ(E)						
2968	CAL	Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷¹ Ge(p,γ) ⁷² As σ(E)						
2969	CAL	Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷² Ge(p,α) ⁶⁸ Ga σ(E)						
2970	CAL	Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷² Ge(p,t) ⁷⁰ Ge partial σ(E)						
2971	PAR	Expt J	PR/C 16	1840	N77 2.6+1	Guilbault+TBL.54 LVLS.SUM FRM 10-60 DEG
		Expt R	LSNN-78-01	78	2.6+1	Arduin+ CURV. MANY LEVELS. INTAD.
⁷² Ge(p,3n) ⁷⁰ As σ(E)						
2972	KFK	Comp B	PH-DAT 15	1 079	1.0+2 4.0+2	Muenzel+ TBL. FROM EXFOR.
2973	PUP	Expt J	PR 178	1732 269	1.0+2 4.0+2	Church+ TBL. CURV. GE-OXI PELLET.
		Expt 4	EXFORB0024.009	77	1.0+2 4.0+2	. 4 DATA POINTS.
⁷² Ge(p,2n) ⁷¹ As σ(E)						
2974	KFK	Comp B	PH-DAT 15	1 079	1.0+2 4.0+2	Muenzel+ TBL. FROM EXFOR.
2975	PUP	Expt J	PR 178	1732 269	1.0+2 4.0+2	Church+ TBL. CURV. GE-OXI PELLET.
		Expt 4	EXFORB0024.008	77	1.0+2 4.0+2	. 4 DATA POINTS.
⁷² Ge(p,n) ⁷² As σ(E)						
2976	KFK	Comp B	PH-DAT 15	1 079	1.0+2 4.0+2	Muenzel+ TBL. FROM EXFOR.
2977	PUP	Expt J	PR 178	1732 269	1.0+2 4.0+2	Church+ TBL. CURV. GE-OXI PELLET.
		Expt 4	EXFORB0024.007	77	1.0+2 4.0+2	. 4 DATA POINTS.
⁷² Ge(p,n) ⁷² As partial raw σ(E)						
2978	KYU	Expt J	NP/A 272	381	N76 5.0+0 6.3+0	Kimura+ CURV. EG = 45.9KEV.
⁷² Ge(p,n) ⁷² As relative I _γ						
2979	KYU	Expt J	NP/A 272	381	N76 5.0+0 6.3+0	Kimura+ CURV. 16 GAMMA GROUPS.
⁷² Ge(p,n) ⁷² As partial relative σ(E)						
2980	FUL	Expt J	NP/A 330	409	N79 6.5+0 1.4+1	Ten Brink+ TBL. 86 GS. ALSO A2,A4.
		Expt J	NP/A 330	409	N79 6.1+0	Ten Brink+ TBL. 2 LVLS CFD H-F CALC
⁷² Ge(p,γ) ⁷³ As partial average σ(E)						
2981	WMA	Expt J	NP/A 323	253 779	2.0+0 3.0+0	Szefflinska+ TBL. EST. FROM GAMMAS.
⁷² Ge(p,γ) ⁷³ As product yield						
2982	TRM	Expt P	INDC(SEC)-6190	077	3.0+0 3.4+0	Baba+ NDG. SEVERAL RESONANCES.
⁷² Ge(p,γ) ⁷³ As σ(E)						
2983	CAL	Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷³ Ge(p,α) ⁷⁰ Ga σ(E)						
2984	CAL	Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
⁷³ Ge(p,n) ⁷³ As average σ(E)						
2985	ORL Expl J	PR/B 136	1719 D64	1.1+0 1.4+0	Johnson+	CURV. FROM 1952 MEASUREMENT.
⁷³ Ge(p,γ) ⁷⁴ As σ(E)						
2986	CAL Theo J	AND 22	371 N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁴ Ge(p,α) ⁷¹ Ga σ(E)						
2987	CAL Theo J	AND 22	371 N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁴ Ge(p,t) ⁷² Ge partial σ(E)						
2988	PAR Expl J	PR/C 16	1840 N77	2.6+1	Guilbault+TBL.	36 LVLS. SUM FRM 10-60 DEG
	Expl R	LSNN-78-01	78	2.6+1	Ardouin+	CURV. MANY LEVELS. INTAD.
⁷⁴ Ge(p,t) ⁷² Ge partial relative σ(E)						
2989	ORL Expl A	BAP 22	544 477	2.0+1 5.2+1	Rester+	3 STATES RELATIVE TO G.S.
⁷⁴ Ge(p,n) ⁷⁴ As partial relative σ(E)						
2990	ORE Expl J	IRE 26	1120 279	TR	+0 Lefevre+	CURV. NO TOF SPECTRUM.
⁷⁴ Ge(p,n) ⁷⁴ As partial σ(E)						
2991	ORE Expl A	BAP 23	90 178	3.4-1	Ross+	NDG. RESONANCES NEAR THRESHOLD.
⁷⁴ Ge(p,n) ⁷⁴ As σ(E)						
2992	KFK Comp B	PH-DAT 15	2 D79	3.4+0 5.8+0	Muenzel+	TBL. FROM EXFOR.
2993	ORL Expl P	ORNL-2910	25 60	3.4+0 5.8+0	Johnson+	CURV. THICKER TRGT. 4PI DETECT
	Expl P	ORNL-2501	29 58	3.4+0 5.8+0	Johnson+	EXPT. DETAILS.
	Expl 4	EXFORB0068.004	678	3.4+0 5.8+0		. 18 DATA POINTS.
⁷⁴ Ge(p,n) ⁷⁴ As thick target yield						
2994	CLU Exth J	AND 23	177 279	3.5+0 5.0+0	Roughton+	TBL. ALSO STELLAR REACT. RATE
	Expl J	AJ 205	302 76	3.5+0 5.0+0	Roughton+	CURV. ALSO STELLAR REAC. RATE
	Expl J	ANE 2	503 775	NDG		. MORE TECHNICAL DETAILS.
	Expl C	75HASH 1	69 375	3.5+0 5.0+0	Roughton+	NDG. ALSO STELLAR REAC. RATE.
	Expl J	AJ 193	187 074	NDG		. MORE TECHNICAL DETAILS.
	Expl J	AJ 188	595 374	NDG		. MORE TECHNICAL DETAILS.
⁷⁴ Ge(p,n) ⁷⁴ As raw σ(E)						
2995	ORL Expl J	PR/B 136	1719 D64	3.2+0 3.7+0	Johnson+	CURV. FROM 1953+1960 MEAS.
⁷⁴ Ge(p,γ) ⁷⁵ As partial average σ(E)						
2996	MHA Expl J	NP/A 323	253 779	2.0+0 3.0+0	Szeflinska+	TBL. EST. FROM GAMMAS.
⁷⁴ Ge(p,γ) ⁷⁵ As product yield						
2997	LND Expl P	KDK-23	17 478	NDG	Erlandsson+	NDG. AVE. RES.: SPECT. METH
⁷⁴ Ge(p,γ) ⁷⁵ As σ(E)						
2998	CAL Theo J	AND 22	371 N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁵ Ge(p,α) ⁷² Ge σ(E)						
2999	CAL Theo J	AND 22	371 N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁵ Ge(p,n) ⁷⁵ As σ(E)						
3000	CAL Theo J	AND 22	371 N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁵ Ge(p,γ) ⁷⁶ As σ(E)						
3001	CAL Theo J	AND 22	371 N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁶ Ge(p,α) ⁷³ Ga σ(E)						
3002	CAL Theo J	AND 22	371 N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁶ Ge(p,t) ⁷⁴ Ge partial σ(E)						
3003	PAR Expl J	PR/C 16	1840 N77	2.6+1	Guilbault+TBL.	57 LVLS. SUM FRM 10-60 DEG
	Expl R	LSNN-78-01	78	2.6+1	Ardouin+	CURV. MANY LEVELS. INTAD.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁷⁶Ge(p,li)⁷⁴Ge partial relative σ(E)					
3004	ORL Expt A	BAP 22	544	477 2.0+1	5.2+1 Rester+ 3 STATES RELATIVE TO G.S.
⁷⁶Ge(p,n)⁷⁶As thick target yield					
3005	CLU Exth J	AND 23	177	279 2.3+0	5.0+0 Roughlon+ TBL. ALSO STELLAR REACT. RATE
	Expt J	AJ 205	302	76 2.3+0	5.0+0 Roughlon+ NDG. ALSO STELLAR REACT. RATE
	Expt C	75WASH 1	69	375 2.3+0	5.0+0 Roughlon+ NDG. ALSO STELLAR REACT. RATE.
	Expt J	AJ 193	187	074 NDG	. MORE TECHNICAL DETAILS.
	Expt J	AJ 188	595	374 NDG	. MORE TECHNICAL DETAILS.
⁷⁶Ge(p,n)⁷⁶As σ(E)					
3006	CLU Expt C	75WASH 1	69	375 1.8+0	5.1+0 Roughlon+ TBL. COEFF. FROM FIT TO TTY.
⁷⁶Ge(p,γ)⁷⁷As σ(E)					
3007	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁷Ge(p,α)⁷⁴Ge σ(E)					
3008	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁷Ge(p,n)⁷⁷As σ(E)					
3009	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁷Ge(p,γ)⁷⁸As σ(E)					
3010	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁸Ge(p,x)isotopic distribution spectrum average product yield					
3011	IST Theo A	ANS 27	195	N77 2.0+1	2.0+2 Dyer+NDG. ISOTOPE PROD IN GE(LI). ORBITAL
	Theo A	ANS 27	195	N77 3.0+2	9.9+9 Dyer+ NDG. ISOTOPE PROD IN GE(LI). LUNAR
⁸⁷As(p,α)⁸⁴Ge σ(E)					
3012	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁸⁷As(p,γ)⁸⁸Se σ(E)					
3013	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁸⁸As(p,α)⁸⁵Ge σ(E)					
3014	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁸⁸As(p,γ)⁸⁹Se σ(E)					
3015	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁸⁹As(p,α)⁸⁶Ge σ(E)					
3016	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁸⁹As(p,γ)⁹⁰Se σ(E)					
3017	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁹⁰As(p,α)⁸⁷Ge σ(E)					
3018	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁹⁰As(p,γ)⁹¹Se σ(E)					
3019	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁹¹As(p,α)⁸⁸Ge σ(E)					
3020	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁹¹As(p,γ)⁹²Se σ(E)					
3021	CAL Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
			⁷¹ As(p,y) ⁷² Se o(E)				
3021	CAL	Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			⁷² As(p,o) ⁶⁹ Ge o(E)				
3022	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			⁷² As(p,y) ⁷² Ge o(E)				
3023	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			⁷³ As(p,o) ⁷⁰ Ge o(E)				
3024	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			⁷³ As(p,y) ⁷⁴ Se o(E)				
3025	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			⁷⁴ As(p,a) ⁷¹ Ge o(E)				
3026	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			⁷⁴ As(p,n) ⁷⁴ Se o(E)				
3027	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			⁷⁴ As(p,y) ⁷⁵ Se o(E)				
3028	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			⁷⁵ As(p,x) spallation o(E)*factor				
3029	NRL	Rev J AJ/S	35	137	077	2.0+2	4.0+2 Silberberg+ TBL. RATIO CALC./EXPT.
			⁷⁵ As(p,x) partial o(E)*factor				
3030	NRL	Rev J AJ/S	35	137	077	1.5+2	4.0+2 Silberberg+TBL.PERIPHERALREAC.EXC.(P,XN
			⁷⁵ As(p,o) ⁷² Ge o(E)				
3031	CAL	Theo J AND	22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
			⁷⁵ As(p,n+p) ⁷⁴ As o(E)				
3032	KFK	Comp B PH-DAT	15	2	079	2.2+1	Muenzel+ TBL. FROM EXFOR.
3033	ORL	Expt J PR	99	718	55	2.2+1	Cohen+ TBL. NATURAL TARGET.
		Expt 4 EXFORB0050.017	77	2.2+1			. 350MB. REL. UNC.=15%. CALIB. UNC.=15%
			⁷⁵ As(p,n+p) ⁷⁴ As o(E)*factor				
3034	ORL	Expt J PR	99	718	55	2.2+1	Cohen+ TBL. CURV. RATIO(P,NP)/(P,2N).
			⁷⁵ As(p,n+p) ⁷⁴ As thick target yield				
3035	FEI	Expt J AE	41	48	76	2.2+1	Dmitriev+ TBL. CURV. RESIDUAL ACTIVITY.
		Expt J SJA	41	657	76	2.2+1	. TRANSLATION OF AE 41, 48(1976)
		Expt 4 EXFORA0006.010	478	2.2+1			. 95.+-12.MUCI/MUAHR
			⁷⁵ As(p,4n) ⁷² Se o(E)				
3036	JCL	Expt J ARI	30	595	79	3.5+1	5.1+1 Nozaki+ CURV.
3037	KFK	Comp B PH-DAT	15	1	079	4.0+2	Muenzel+ TBL. FROM EXFOR.
3038	PUP	Expt J PR	178	1732	269	4.0+2	Church+ TBL. 75AS-OXI PELLET.
		Expt 4 EXFORB0024.012	77	4.0+2			. (1.82+-0.38)MB.
			⁷⁵ As(p,4n) ⁷² Se thick target yield				
3039	JCL	Expt J ARI	30	595	79	5.0+0	5.0+1 Nozaki+ TBL. SATURATION ACTIVITY.
		Expt A JLCR	16	219	79	2.0+1	5.0+1 Nozaki+ TBL. SATURATION ACTIVITY.
			⁷⁵ As(p,3n) ⁷³ Se o(E)				
3040	JCL	Expt J ARI	30	595	79	2.0+0	1.5+1 Nozaki+ CURV.
		Expt P A-JCL-77	134	077	2.4+1	5.0+1	Nozaki+ CURV. STACKED FOILS.
3041	MCG	Exth J JIN	38	1581	76	3.0+1	8.0+1 Brodovitch+ CURV. TBL. PREEQUIL. MODEL.
			⁷⁵ As(p,3n) ⁷³ Se thick target yield				
3042	JCL	Expt J ARI	30	595	79	5.0+0	5.0+1 Nozaki+ TBL. SATURATION ACTIVITY.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{75}\text{As}(p,3n)^{73}\text{Se}$ thick target yield					
3042	JCL Expt A JLCR	16 219 79	2.0+1	5.0+1	Nozaki+ TBL. SATURATION ACTIVITY.
$^{75}\text{As}(p,3n)^{73}\text{Se}$ $\sigma(E)$					
3043	KFK Comp B PH-DAT	15 1 079	4.0+2		Muenzel+ TBL. FROM EXFOR.
3044	PUP Expt J PR	178 1732 269	4.0+2		Church+ TBL. $^{75}\text{AS-OXI}$ PELLET.
	Expt 4 EXFORB0024.011	77 4.0+2			. (3.80+-0.57)MB.
$^{75}\text{As}(p,3n)^{73}\text{Se}$ $\sigma(E)$					
3045	KFK Comp B PH-DAT	15 1 079	4.0+2		Muenzel+ TBL. FROM EXFOR.
3046	PUP Expt J PR	178 1732 269	4.0+2		Church+ TBL. $^{75}\text{AS-OXI}$ PELLET.
	Expt 4 EXFORB0024.011	77 4.0+2			. (0.52+-0.11)MB.
$^{75}\text{As}(p,3n)^{73}\text{Se}$ summation $\sigma(E)$					
3047	KFK Comp B PH-DAT	15 1 079	4.0+2		Muenzel+ TBL. FROM EXFOR.
3048	PUP Expt J PR	178 1732 269	4.0+2		Church+ TBL. $^{75}\text{AS-OXI}$ PELLET.
	Expt 4 EXFORB0024.011	77 4.0+2			. (4.32+-1.12)MB.
$^{75}\text{As}(p,2n)^{74}\text{Se}$ $\sigma(E) \times \text{factor}$					
3049	ORL Expt J PR	99 718 55	2.2+1		Cohen+ TBL. CURV. $\text{RATIO}(P, NP)/(P, 2N)$.
$^{75}\text{As}(p,n)^{75}\text{Se}$ independent thick target yield					
3050	FEI Expt J AE	34 405 573	6.5+0	2.2+1	Dmitriev+ CURV.
	Expt J AE	32 426 572	6.5+0	2.2+1	. EXPERIMENTAL DETAILS.
	Expt J AE	31 157 71	6.5+0	2.2+1	. EXPERIMENTAL DETAILS.
	Expt J SJA	34 499 573	6.5+0	2.2+1	. TRANSLATION OF AE 34, 405(1973).
	Expt J SJA	32 500 72	6.5+0	2.2+1	. TRANSLATION OF AE 32, 426(1972).
	Expt J SJA	31 876 871	6.5+0	2.2+1	. TRANSLATION OF AE 31, 157(1971).
	Expt 4 EXFORA0022.002	379 6.5+0	2.2+1		. 5 DATA POINTS.
$^{75}\text{As}(p,n)^{75}\text{Se}$ $\sigma(E)$					
3051	ORL Expt P ORNL-2910	25 60 TR	5.7+0		Johnson+ CURV. THICKER TRGT. 4PI DETECT
	Expt J PR	109 1243 58	1.7+0		2.2+0 Johnson+ CURV. NAT AS TARGET.
	Expt P ORNL-2501	29 58 TR	5.7+0		Johnson+ EXPT. DETAILS.
	Expt 4 EXFORB0068.026	678 1.7+0	5.7+0		. 133 DATA POINTS.
	Expt 4 EXFORB0046.010	77 1.7+0	2.2+0		. 66POINTS.ERR ADDED BY COMP TO CPX DATA
3052	KFK Comp B PH-DAT	15 2 079	1.7+0	5.7+0	Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT	15 1 079	4.0+2		Muenzel+ TBL. FROM EXFOR.
3053	INU Theo J PR/C	20 1272 079	3.0+0	5.0+0	Kailas+ CURV. OM FIT TO EXP. DATA.
3054	LRL Expt J PR	115 925 59	4.0+0	5.5+0	Albert. CURV.
	Expt W TO ORNL-CPX	64 3.6+0	8.1+0		Albert.
	Expt 4 EXFORB0093.011	579 3.6+0	8.1+0		. 7 DATA POINTS.
3055	MCG Exth J JIN	38 1581 76	1.0+1	8.0+1	Brodevitch+ CURV. TBL. PREEQUIL. MODEL.
3056	JCL Expt J ARI	30 595 79	2.4+1	5.1+1	Nozaki+ CURV.
3057	PUP Expt J PR	178 1732 269	4.0+2		Church+ TBL. $^{75}\text{AS-OXI}$ PELLET.
	Expt 4 EXFORB0024.010	77 4.0+2			. (1.40+-0.23)MB.
$^{75}\text{As}(p,n)^{75}\text{Se}$ product yield $\times$ factor					
3058	WMU Exth J PR/C	15 1592 477	1.7+0		Bernstein.NDG. CAL. GEOM. CORR TO E(TH)
$^{75}\text{As}(p,n)^{75}\text{Se}$ average $\sigma(E)$					
3059	ORL Expt J PR/B	136 1719 064	1.7+1	1.8+1	Johnson+ CURV. FROM 1952 MEASUREMENT.
$^{75}\text{As}(p,n)^{75}\text{Se}$ thick target yield					
3060	JCL Expt J ARI	30 595 79	5.0+0	4.0+1	Nozaki+ TBL. SATURATION ACTIVITY.
$^{75}\text{As}(p,\gamma)^{76}\text{Se}$ $\sigma(E)$					
3061	CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{75}\text{As}(p,x)$ isotopic distribution independent $\sigma(E)$					
3062	SHR Theo J PS	20 105 79	4.9+1	1.7+2	Rudstam. TBL. EVAP. CALC. CFD EXPT
$^{75}\text{As}(p,x)$ isotopic distribution cumulative $\sigma(E)$					
3063	SHR Theo J PS	20 105 79	4.9+1	1.7+2	Rudstam. TBL. EVAP. CALC. CFD EXPT
$^{76}\text{As}(p,\alpha)^{73}\text{Ge}$ $\sigma(E)$					
3064	CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab	Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{76}\text{As}(p,n)^{76}\text{Se} \quad \sigma(E)$						
3055	CAL	Theo J AND Theo J AND	22 22	371 N78 NDG 371 N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{76}\text{As}(p,\gamma)^{77}\text{Se} \quad \sigma(E)$						
3056	CAL	Theo J AND Theo J AND	22 22	371 N78 NDG 371 N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{77}\text{As}(p,\alpha)^{74}\text{Ge} \quad \sigma(E)$						
3057	CAL	Theo J AND Theo J AND	22 22	371 N78 NDG 371 N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{77}\text{As}(p,\gamma)^{78}\text{Se} \quad \sigma(E)$						
3058	CAL	Theo J AND Theo J AND	22 22	371 N78 NDG 371 N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{78}\text{As}(p,\alpha)^{75}\text{Ge} \quad \sigma(E)$						
3059	CAL	Theo J AND Theo J AND	22 22	371 N78 NDG 371 N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{78}\text{As}(p,n)^{78}\text{Se} \quad \sigma(E)$						
3070	CAL	Theo J AND Theo J AND	22 22	371 N78 NDG 371 N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{78}\text{As}(p,\gamma)^{79}\text{Se} \quad \sigma(E)$						
3071	CAL	Theo J AND Theo J AND	22 22	371 N78 NDG 371 N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{79}\text{As}(p,\alpha)^{76}\text{Ge} \quad \sigma(E)$						
3072	CAL	Theo J AND Theo J AND	22 22	371 N78 NDG 371 N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{79}\text{As}(p,n)^{79}\text{Se} \quad \sigma(E)$						
3073	CAL	Theo J AND Theo J AND	22 22	371 N78 NDG 371 N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{79}\text{As}(p,\gamma)^{80}\text{Se} \quad \sigma(E)$						
3074	CAL	Theo J AND Theo J AND	22 22	371 N78 NDG 371 N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
$\text{Se}(p,x)n \quad \sigma(E)$						
3075	LRL	Expt J PR Expt M TO ORNL-CPX Expt 4 EXFORB0093.012	115 925 64 579	59 4.0+0 5.5+0 3.6+0 8.1+0 3.6+0 8.1+0	Albert. Albert. . 6 DATA POINTS.	
$\text{Se}(p,x)^{76}\text{Br} \quad \sigma(E)$						
3076	JCL	Expt J ARI	30	79 79 5.0+0 5.0+1	Nozaki+ CURV. GAMMA DETECTION.	
$\text{Se}(p,x)^{76}\text{Br} \quad \text{thick target yield}$						
3077	JCL	Expt J ARI	30	79 79 1.0+1 5.0+1	Nozaki+ TBL. SATURATION ACTIVITY.	
$\text{Se}(p,x)^{77}\text{Br} \quad \sigma(E)$						
3078	JCL	Expt J ARI Expt P A-JCL-77	30 134	79 79 2.0+0 5.0+1 077 8.0+0 5.0+1	Nozaki+ CURV. GAMMA DETECTION. Nozaki+ CURV. STACKED FOILS.	
$\text{Se}(p,x)^{77}\text{Br} \quad \text{thick target yield}$						
3079	JCL	Expt J ARI	30	79 79 1.0+1 5.0+1	Nozaki+ TBL. SATURATION ACTIVITY.	
$\text{Se}(p,x)^{82}\text{Br} \quad \sigma(E)$						
3080	JCL	Expt J ARI	30	79 79 2.0+0 5.0+1	Nozaki+ CURV. GAMMA DETECTION.	
$\text{Se}(p,x)^{82}\text{Br} \quad \text{thick target yield}$						
3081	JCL	Expt J ARI	30	79 79 1.0+1 2.5+1	Nozaki+ TBL. SATURATION ACTIVITY.	
$^{69}\text{Se}(p,\gamma)^{70}\text{Br} \quad \sigma(E)$						
3082	CAL	Theo J AND Theo J AND	22 22	371 N78 NDG 371 N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{70}\text{Se}(p,\gamma)^{71}\text{Br} \quad \sigma(E)$						
3083	CAL	Theo J AND Theo J AND	22 22	371 N78 NDG 371 N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{71}\text{Se}(p,\alpha)^{68}\text{As} \quad \sigma(E)$					
3084	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{71}\text{Se}(p,\gamma)^{72}\text{Br} \quad \sigma(E)$					
3085	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{72}\text{Se}(p,\alpha)^{69}\text{As} \quad \sigma(E)$					
3086	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{72}\text{Se}(p,\gamma)^{73}\text{Br} \quad \sigma(E)$					
3087	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{73}\text{Se}(p,\alpha)^{70}\text{As} \quad \sigma(E)$					
3088	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{73}\text{Se}(p,\gamma)^{74}\text{Br} \quad \sigma(E)$					
3089	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{74}\text{Se}(p,\alpha)^{71}\text{As} \quad \sigma(E)$					
3090	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{74}\text{Se}(p,\text{inelastic})^{74}\text{Se} \quad \text{partial } \sigma(E), \alpha\text{-factor}$					
3091	IJI Expt J YF	24 461 976 1.4+0 3.0+0			Krivososov+ CURV. 635KEV LEVEL.
	Expt J SNP	24 239 77 1.4+0 3.0+0			.TRANSLATION OF YF 24(3), 461(1976).
$^{74}\text{Se}(p,\gamma)^{75}\text{Br} \quad \sigma(E)$					
3092	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
3093	IJI Expt J IZV	41 2196 77 6.0-1 3.0+0			Krivososov+ CURV. PROMPT + RESIDUAL ACT
	Expt J BAS	41 175 78 6.0-1 3.0+0			. TRANSLATION OF IZV 41(10), 2196(1977)
$^{75}\text{Se}(p,\alpha)^{72}\text{As} \quad \sigma(E)$					
3094	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{75}\text{Se}(p,\gamma)^{76}\text{Br} \quad \sigma(E)$					
3095	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{76}\text{Se}(p,\alpha)^{73}\text{As} \quad \sigma(E)$					
3096	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{76}\text{Se}(p,\text{inelastic})^{76}\text{Se} \quad \text{partial } \sigma(E), \alpha\text{-factor}$					
3097	IJI Expt J YF	24 461 976 1.4+0 3.0+0			Krivososov+ CURV. 559KEV LEVEL.
	Expt J SNP	24 239 77 1.4+0 3.0+0			.TRANSLATION OF YF 24(3), 461(1976).
$^{76}\text{Se}(p,\gamma)^{77}\text{Br} \quad \sigma(E)$					
3098	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{77}\text{Se}(p,\alpha)^{74}\text{As} \quad \sigma(E)$					
3099	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{77}\text{Se}(p,\text{inelastic})^{77}\text{Se} \quad \text{partial } \sigma(E), \alpha\text{-factor}$					
3100	IJI Expt J YF	24 461 976 1.2+0 3.0+0			Krivososov+ CURV. 439KEV LEVEL.
	Expt J SNP	24 239 77 1.2+0 3.0+0			.TRANSLATION OF YF 24(3), 461(1976).
$^{77}\text{Se}(p,2n)^{76}\text{Br} \quad \sigma(E)$					
3101	KFK Comp B PH-DAT	15 2 079 4.0+2			Muenzel+ TBL. FROM EXFOR.
3102	CAR Expt J JIN	31 1915 69 4.0+2			Reuland+ ENRICHED OXIDE-BORIC ACID MATR
	Expt 4 EXFORB0071.008	678 4.0+2			. 4.2MB+-24PER CENT.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author.	Comments
$^{77}\text{Se}(p,2n)^{76}\text{Br}$ $\sigma(E)$ =factor						
3103	CAR Expt J	JIN 31 1915	69	4.0+2	Reuland+	(P,2N)/(P,N)=2.06+-25PER CENT
$^{77}\text{Se}(p,n)^{77}\text{Br}$ $\sigma(E)$						
3104	KFK Comp B	PH-DAT 15 2 079	2.2+0	2.7+0	Muenzel+	TBL. FROM EXFOR.
3105	ORL Expt J	PR 109 1243	58	2.2+0	2.7+0	Johnson+ CURV. 49.4 PERCENT SE77 TARGET
	Expt P	ORNL-2501 29 58	TR	5.5+0	Johnson+	EXPERIMENTAL DETAILS.
	Expt 4	EXFORB0046.011 77	2.2+0	2.7+0	.36POINTS.ERR	ADDED BY COMP TO CPX DATA
$^{77}\text{Se}(p,n)^{77}\text{Br}$ including metastable $\sigma(E)$						
3106	KFK Comp B	PH-DAT 15 2 079	4.0+2		Muenzel+	TBL. FROM EXFOR.
3107	CAR Expt J	JIN 31 1915	69	4.0+2	Reuland+	ENRICHED OXIDE-BORIC ACID MATR
	Expt 4	EXFORB0071.006 678	4.0+2		. 2.0MB+-24PER CENT	
$^{77}\text{Se}(p,n)^{77}\text{Br}$ $\sigma(E)$ =factor						
3108	CAR Expt J	JIN 31 1915	69	4.0+2	Reuland+	(P,2N)/(P,N)=2.06+-25PER CENT
$^{77}\text{Se}(p,n)^{77}\text{Br}$ thick target yield						
3109	JUL Revw W	PREPRINT 678	1.2+1		Qaim+	CURV. 0.52MCI/MICROAH
$^{77}\text{Se}(p,n)^{77}\text{Br}$ partial $\sigma(E)$						
3110	CCP Expt J	IZV 41 1616	77	TR	3.0+0	Fedorets+CURV. 9 LVLS. CFD TO STAT. MOD
	Expt J	BAS 41 59	77	TR	3.0+0	. TRANSLATION OF IZV 41(8), 1616(1977)
$^{77}\text{Se}(p,n)^{77+98}\text{Br}$ summation $\sigma(E)$						
3111	ORL Expt P	ORNL-2910 25 60	TR	5.5+0	Johnson+	CURV. THICKER TRGT. 4PI DETECT
	Expt P	ORNL-2501 29 58	TR	5.5+0	Johnson+	EXPT. DETAILS.
	Expt 4	EXFORB0068.017 678	2.2+0	5.5+0	. 63 DATA POINTS.	
3112	KFK Comp B	PH-DAT 15 2 079	2.2+0	5.5+0	Muenzel+	TBL. FROM EXFOR.
$^{77}\text{Se}(p,\gamma)^{78}\text{Br}$ $\sigma(E)$						
3113	CAL Theo J	AND 22 371	N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR	
3114	IJI Expt J	IZV 41 2196	77	6.0-1	3.0+0	Krivososov+ CURV. PROMPT + RESIDUAL ACT
	Expt R	INIS-MF-3329 76	6.0-1	3.0+0	Krivososov+	SUMMARY 76BAKU. P. 153.
	Expt J	BAS 41 175	78	6.0-1	3.0+0	. TRANSLATION OF IZV 41(10),2196(1977)
$^{78}\text{Se}(p,\alpha)^{76}\text{As}$ $\sigma(E)$						
3115	CAL Theo J	AND 22 371	N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR	
$^{78}\text{Se}(p,\text{inelastic})^{78}\text{Se}$ partial $\sigma(E)$,=factor						
3116	IJI Expt J	YF 24 461	976	1.6+0	3.0+0	Krivososov+ CURV. 614KEV LEVEL.
	Expt J	SNP 24 239	77	1.6+0	3.0+0	.TRANSLATION OF YF 24(3), 461(1976).
$^{78}\text{Se}(p,\gamma)^{78}\text{Br}$ $\sigma(E)$						
3117	CAL Theo J	AND 22 371	N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR	
$^{78}\text{Se}(p,\alpha)^{76}\text{As}$ $\sigma(E)$						
3118	CAL Theo J	AND 22 371	N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR	
$^{78}\text{Se}(p,\gamma)^{80}\text{Br}$ $\sigma(E)$						
3119	CAL Theo J	AND 22 371	N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR	
$^{80}\text{Se}(p,\alpha)^{77}\text{As}$ $\sigma(E)$						
3120	CAL Theo J	AND 22 371	N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR	
$^{80}\text{Se}(p,\text{inelastic})^{80}\text{Se}$ partial $\sigma(E)$,=factor						
3121	IJI Expt J	YF 24 461	976	1.6+0	3.0+0	Krivososov+ CURV. 666KEV LEVEL.
	Expt J	SNP 24 239	77	1.6+0	3.0+0	.TRANSLATION OF YF 24(3), 461(1976).
$^{80}\text{Se}(p,n)^{80}\text{Br}$ $\sigma(E)$						
3122	TRM Expt J	NP/A 315 157	279	3.8+0	5.3+0	Kailas+ CURV. 4PI DETECTOR. IAR.
	Expt C	77TOKYO 297	977	TR	5.3+0	Kailas+ CURV. 4PI DET. I.A.R.
3123	INU Theo J	PR/C 20 1272	079	4.0+0	5.0+0	Kailas+ CURV. OM FIT TO EXP. DATA.

REFERENCES(cont)

No.	Lab	Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments	
$^{80}\text{Se}(p,n)^{80}\text{Br}$ relative I_γ							
3124	LYO	Expt J	ZP/A 282 321	77	3.0+0 4.0+0	Phuoc+ CURV. 7 STATES.	
$^{80}\text{Se}(p,n)^{80}\text{Br}$ raw $\sigma(E)$							
3125	ORL	Expt J	PR/B 136 1719	064	2.5+0 2.9+0	Johnson+ CURV. FROM 1953+1960 MEAS.	
$^{80}\text{Se}(p,n)^{80+90}\text{Br}$ summation $\sigma(E)$							
3126	ORL	Expt P	ORNL-2910 25	60	TR 5.7+0	Johnson+ CURV. THICKER TRGT. 4PI DETECT	
		Expt P	ORNL-2501 29	58	TR 5.7+0	Johnson+ EXPT. DETAILS.	
		Expt 4	EXFORB0068.021	678	2.7+0 5.7+0	. 71 DATA POINTS.	
3127	KFK	Comp B	PH-DAT 15 2	079	2.7+0 5.7+0	Muenzel+ TBL. FROM EXFOR.	
$^{80}\text{Se}(p,\gamma)^{81}\text{Br}$ $\sigma(E)$							
3128	CAL	Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.	
		Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR	
$^{81}\text{Se}(p,\alpha)^{78}\text{As}$ $\sigma(E)$							
3129	CAL	Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.	
		Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR	
$^{81}\text{Se}(p,n)^{81}\text{Br}$ $\sigma(E)$							
3130	CAL	Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.	
		Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR	
$^{81}\text{Se}(p,\gamma)^{82}\text{Br}$ $\sigma(E)$							
3131	CAL	Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.	
		Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR	
$^{82}\text{Se}(p,n)^{82}\text{Br}$ relative I_γ							
3132	LYO	Expt J	ZP/A 282 321	77	3.0+0 4.0+0	Phuoc+ NDG.	
$^{82}\text{Se}(p,n)^{82}\text{Br}$ $\sigma(E)$							
3133	KFK	Comp B	PH-DAT 15 2	079	9.3-1 1.5+0	Muenzel+ TBL. FROM EXFOR.	
3134	ORL	Expt J	PR 109 1243	58	9.3-1 1.5+0	Johnson+ CURV. 75.74PERCENT SE82 TARGET	
		Expt 4	EXFORB0046.012	77	9.3-1 1.5+0	. 29 DATA POINTS.	
$^{82}\text{Se}(p,n)^{82}\text{Br}$ average $\sigma(E)$							
3135	ORL	Expt J	PR/B 136 1719	064	9.1-1 1.2+0	Johnson+ CURV. FROM 1958 MEASUREMENT.	
$^{82}\text{Se}(p,\gamma)^{83}\text{Br}$ $\sigma(E)$							
3136	GOE	Expt J	ZP/A 291 377	79	2.0+1	Kantus+ TBL. REV. OF MAX SIG. CFD. CALC	
$^{82}\text{Se}(p,\gamma)^{83}\text{Br}$ $\sigma(E)$ =abundance							
3137	JCL	Expt P	A-JCL-77 134	077	8.0+0 1.6+1	Nozaki+ CURV. STACKED FOILS.	
$\text{Br}(p,x)^{76}\text{Kr}$ $\sigma(E)$							
3138	JCL	Expt J	ARI 30	79	79 3.8+1 5.0+1	Nozaki+ CURV. GAMMA DETECTION.	
3139	UPP	Expt J	ARI 30	39	79 4.0+1 8.0+1	Lundqvist+ CURV. NABR.	
$\text{Br}(p,x)^{76}\text{Kr}$ thick target yield							
3140	JCL	Expt J	ARI 30	79	79 4.0+1 5.0+1	Nozaki+ TBL. SATURATION ACTIVITY.	
$\text{Br}(p,x)^{77}\text{Kr}$ $\sigma(E)$							
3141	JCL	Expt J	ARI 30	79	79 2.5+1 5.0+1	Nozaki+ CURV. GAMMA DETECTION.	
		Expt P	A-JCL-77 134	077	2.3+1 5.0+1	Nozaki+ CURV. STACKED FOILS.	
3142	UPP	Expt J	ARI 30	39	79 2.8+1 8.0+1	Lundqvist+ CURV. NABR.	
$\text{Br}(p,x)^{77}\text{Kr}$ thick target yield							
3143	JCL	Expt J	ARI 30	79	79 2.5+1 5.0+1	Nozaki+ TBL. SATURATION ACTIVITY.	
$\text{Br}(p,x)^{77}\text{Kr}$ product yield							
3144	UPP	Expt P	NEANDC(OR)150	477	5.0+1	Lundqvist+NDG. PROD. LABELLED CMP. P.15	
		Expt P	NEANDC(OR)146	476	5.0+1	Lundqvist+NDG. PROD. LABELLED CMP. P.16	
$\text{Br}(p,x)^{77}\text{Kr}$ cumulative? $\sigma(E)$							
3145	MCG	Expt J	ARI 28	885	77	TR 4.5+1	Diksic+ NDG. PRIV. COMM.(DIKSIC+) TBP.
		Expt W	DIKSIC+ 77	TR	4.5+1	Diksic+ NDG. ARI 28,885. TBP.	
$\text{Br}(p,x)^{77}\text{Kr}$ cumulative? thick target yield							
3146	MCG	Expt J	ARI 28	885	77	4.0+1 4.5+1	Diksic+ CURV. FUNC. OF THICKNESS. 2 CMP

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
		Br(p,x) ⁷⁹ Kr σ(E)				
3147	UPP Expt J ARI	30 39 79 1.8+1 8.0+1			Lundqvist+	CURV. NABR.
		Br(p,x) ⁷⁹ Kr including metastable σ(E)				
3148	BNL Expt J PR/C	9 2166 677 3.0+0 2.5+1			Colle+	CURV. ACTIVATION METHOD.
		Br(p,x) ⁷⁹ Kr cumulative? thick target yield				
3149	MCG Expt J ARI	28 885 77 4.0+1 4.5+1			Diksic+	CALC. TO BE 7.7% OF KR77 YLD.
		⁷¹ Br(p,α) ⁶⁸ Se σ(E)				
3150	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁷¹ Br(p,γ) ⁷² Kr σ(E)				
3151	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁷² Br(p,α) ⁶⁹ Se σ(E)				
3152	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁷² Br(p,γ) ⁷³ Kr σ(E)				
3153	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁷³ Br(p,α) ⁷⁰ Se σ(E)				
3154	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁷³ Br(p,γ) ⁷⁴ Kr σ(E)				
3155	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁷⁴ Br(p,α) ⁷¹ Se σ(E)				
3156	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁷⁴ Br(p,γ) ⁷⁵ Kr σ(E)				
3157	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁷⁵ Br(p,α) ⁷² Se σ(E)				
3158	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁷⁵ Br(p,γ) ⁷⁶ Kr σ(E)				
3159	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁷⁶ Br(p,α) ⁷³ Se σ(E)				
3160	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁷⁶ Br(p,γ) ⁷⁷ Kr σ(E)				
3161	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁷⁷ Br(p,α) ⁷⁴ Se σ(E)				
3162	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁷⁷ Br(p,γ) ⁷⁸ Kr σ(E)				
3163	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁷⁸ Br(p,α) ⁷⁵ Se σ(E)				
3164	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁷⁸ Br(p,γ) ⁷⁹ Kr σ(E)				
3165	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
$^{78}\text{Br}(p,\gamma)^{78}\text{Kr}$ $\sigma(E)$					
3165	CAL Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{78}\text{Br}(p,\text{absorption})$ $\sigma(E)$					
3166	MCG Expt J PR/C	19 1753 579 1.0+1 8.5+1			Diksic+ CURV. CALCULATED.
$^{78}\text{Br}(p,\alpha)^{78}\text{Se}$ $\sigma(E)$					
3167	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{78}\text{Br}(p,x)^{78}\text{Br}$ cumulative? $\sigma(E)$					
3168	GRN Expt J ARI	30 188 79 5.0+1 6.5+1			De-Jong+CURV. STACKED-FOILS. SUMBR75+KR75
$^{78}\text{Br}(p,4n)^{78}\text{Kr}$ $\sigma(E)$					
3169	GRN Expt J ARI	30 188 79 3.9+1 6.5+1			De-Jong+ CURV. STACKED-FOILS.
	Expt J ARI	30 188 79 4.5+1 6.5+1			De-Jong+ TBL. DIRECT MEASUREMENT.
$^{78}\text{Br}(p,4n)^{78}\text{Kr}$ thick target yield+abundance?					
3170	GRN Expt J ARI	30 786 79 6.5+1			De-Jong+ TBL. ANHYDROUS KBR THICK TARGE
	Expt A JLCR	16 223 79 5.2+1			De-Jong+ 1.1MC1/MUAH. EARLIER WORK.
	Expt P A-IKO-77	53 77 5.2+1			De-Jong+ KBR PELLETS. 1.1MC1/MUAH.
$^{78}\text{Br}(p,x)^{77}\text{Kr}$ cumulative? $\sigma(E)$					
3171	MCG Expt J ARI	28 885 77 TR	4.5+1		Diksic+ NDG. PRIV. COMM. (DIKSIC+) TBP.
	Expt W DIKSIC+	77 TR	4.5+1		Diksic+ NDG. ARI 28,885. TBP.
$^{78}\text{Br}(p,3n)^{77}\text{Kr}$ $\sigma(E)$					
3172	JUL Expt P NEANDC(E)-202	679 TR	4.5+1		Knieper+ NDG. P. 43.
	Expt P INDC(GER)-2143	679 TR	4.5+1		. SAME AS NEANDC(E)-202, 43.
3173	JCL Expt A JLCR	16 219 79 TR	5.2+1		Nozaki+ NDG. ALSO MEASURED BY-PRODUCTS.
3174	GRN Expt J ARI	30 188 79 2.5+1 6.5+1			De-Jong+ CURV. STACKED-FOILS.
	Expt J ARI	30 188 79 3.2+1 6.5+1			De-Jong+ TBL. FROM STACKED-FOILS.
$^{78}\text{Br}(p,3n)^{77}\text{Kr}$ thick target yield+abundance?					
3175	GRN Expt J ARI	30 786 79 6.5+1			De-Jong+ TBL. ANHYDROUS KBR THICK TARGE
	Expt A JLCR	16 223 79 5.2+1			De-Jong+ 59MC1/MUAH. EARLIER WORK.
	Expt P A-IKO-77	53 77 5.2+1			De-Jong+ KBR PELLETS. 52 MC1/MUAH.
$^{78}\text{Br}(p,n)^{78}\text{Kr}$ $\sigma(E)$					
3176	JUL Expt P NEANDC(E)-202	679 TR	4.5+1		Knieper+ NDG. P. 43.
	Expt P INDC(GER)-2143	679 TR	4.5+1		. SAME AS NEANDC(E)-202, 43.
$^{78}\text{Br}(p,n)^{78}\text{Kr}$ including metastable $\sigma(E)$					
3177	KFK Comp B PH-DAT	15 2 079 3.0+0 2.5+1			Muenzel+ TBL. FROM EXFOR.
3178	BNL Expt J PR/C	9 2166 677 3.0+0 2.5+1			Colle+ TBL. CURV. ACTIVATION METHOD.
	Expt 4 EXFORB0056.002	77 3.0+0 2.5+1			. 23 DATA POINTS.
3179	OSU Expt J PR	130 1522 563 6.8+0			Humes+ MEASURED RESIDUAL RADIATION
	Expt 4 EXFORB0061.009	678 6.8+0			. 85.6+-4.8MB.
3180	ORL Expt J PR	100 1340 055 1.2+1			Blosser+ TBL. CURV.
	Expt 4 EXFORB0052.010	77 1.2+1			. (1.05+--.35)B.
$^{78}\text{Br}(p,\gamma)^{80}\text{Kr}$ $\sigma(E)$					
3181	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{78}\text{Br}(p,xn)$ isotopic distribution $\sigma(E)$					
3182	MCG Expt J PR/C	19 1753 579 1.0+1 8.5+1			Diksic+ TBL. CURV. X=1,3,4. CFD TO THEO
$^{78}\text{Br}(p,xn+p)$ isotopic distribution $\sigma(E)$					
3183	MCG Expt J PR/C	19 1753 579 2.0+1 8.5+1			Diksic+ TBL. CURV. X=1-5. CFD TO THEORY
$^{80}\text{Br}(p,\alpha)^{77}\text{Se}$ $\sigma(E)$					
3184	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{80}\text{Br}(p,n)^{80}\text{Kr}$ $\sigma(E)$					
3185	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{80}\text{Br}(p,\gamma)^{81}\text{Kr}$ $\sigma(E)$					
3186	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
	$^{80}\text{Br}(p,\gamma)^{81}\text{Kr} \quad \sigma(E)$				
3186	CAL Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{81}\text{Br}(p,\alpha)^{78}\text{Se} \quad \sigma(E)$				
3187	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{81}\text{Br}(p,n+p)^{80+}\text{Br} \quad \sigma(E)$				
3188	MCG Expt J ARI	28 885 77 TR	4.5+1		Diaksic+ NDG. PRIV. COMM.(DIKSIC+) TBP.
	Expt W DIKSIC+	77 TR	4.5+1		Diaksic+ NDG. ARI 28,885. TBP.
	$^{81}\text{Br}(p,x)^{77}\text{Kr} \quad \text{cumulative? } \sigma(E)$				
3189	MCG Expt J ARI	28 885 77 TR	4.5+1		Diaksic+ NDG. PRIV. COMM.(DIKSIC+) TBP.
	Expt W DIKSIC+	77 TR	4.5+1		Diaksic+ NDG. ARI 28,885. TBP.
	$^{81}\text{Br}(p,5n)^{77}\text{Kr} \quad \sigma(E)$				
3190	JUL Expt P NEANDC(E)-202	679 TR	4.5+1		Knieper+ NDG. P. 43.
	Expt P INDC(GER)-2143	679 TR	4.5+1		. SAME AS NEANDC(E)-202. 43.
	$^{81}\text{Br}(p,3n)^{79}\text{Kr} \quad \sigma(E)$				
3191	JUL Expt P NEANDC(E)-202	679 TR	4.5+1		Knieper+ NDG. P. 43.
	Expt P INDC(GER)-2143	679 TR	4.5+1		. SAME AS NEANDC(E)-202. 43.
	$^{81}\text{Br}(p,n)^{81}\text{Kr} \quad \text{partial } \sigma(E)$				
3192	KYU Expt J NP/A	323 61 779 1.8+0 5.5+0			Toyoshima. CURV. 14 LVLS. CFD THEORY.
	$^{81}\text{Br}(p,\gamma)^{82}\text{Kr} \quad \sigma(E)$				
3193	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{81}\text{Br}(p,x)\text{isotopic distribution} \quad \sigma(E)$				
3194	MCG Expt J PR/C	19 1753 579 2.5+1 8.5+1			Diaksic+ TBL. CURV. X=3,5,6. CFD TO THEO
	$^{81}\text{Br}(p,xn+p)\text{isotopic distribution} \quad \sigma(E)$				
3195	MCG Expt J PR/C	19 1753 579 1.5+1 8.5+1			Diaksic+ TBL. CURV. X=1,3-6. CFD TO THEO
	$^{82}\text{Br}(p,\alpha)^{79}\text{Se} \quad \sigma(E)$				
3196	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{82}\text{Br}(p,n)^{82}\text{Kr} \quad \sigma(E)$				
3197	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{82}\text{Br}(p,\gamma)^{83}\text{Kr} \quad \sigma(E)$				
3198	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{83}\text{Br}(p,\alpha)^{80}\text{Se} \quad \sigma(E)$				
3199	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{83}\text{Br}(p,n)^{83}\text{Kr} \quad \sigma(E)$				
3200	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{83}\text{Br}(p,\gamma)^{84}\text{Kr} \quad \sigma(E)$				
3201	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{88}\text{Br}(p,x)^{77}\text{Br} \quad \text{cumulative? product yield}$				
3202	UPP Expt P KDK-23	9 478 5.0+1			Lundqvist+ NDG. FRM NABR.
	$^{88}\text{Br}(p,x)^{77}\text{Br} \quad \text{cumulative? } \sigma(E)$				
3203	UPP Expt P KDK-23	9 478 NDG			Lundqvist+ NDG. MEAS. IN PROG.
	$^{88}\text{Br}(p,x)^{77}\text{Kr} \quad \text{thick target yield}$				
3204	UPP Expt J ARI	30 39 79 3.0+1 8.0+1			Lundqvist+ CURV. NABR. FROM SIGMA.
	$\text{Kr}(p,x)^{79}\text{Rb} \quad \text{relative thick target yield}$				
3205	BNL Expt A JLCR	16 210 79 3.2+1			Lambrecht+ 0.2*81RB PRODUCTION.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min}	E _{max}	Author, Comments
		Type		(MeV)	(MeV)	
			Kr(p,x) ⁷⁹ Rb relative thick target yield			
3205	BNL	Expt J	ARI 31 51 79	3.2+1		Lambrecht+ TBL. REL. EOB YIELDS. 16MEV
			Kr(p,x) ⁸¹ Rb thick target yield			
3206	BNL	Expt A	JLCR 16 210 79	3.2+1		Lambrecht+ (10.9+0.8)MCI/MUAH.
		Expt J	ARI 31 51 79	2.0+1 3.2+1		Ruth+ 11.6+0.7 MCI/MUAH.
			Kr(p,x) ⁸¹ Rb relative thick target yield			
3207	BNL	Expt J	ARI 31 51 79	3.2+1		Lambrecht+ TBL. REL. EOB YIELDS. 16MEV
			Kr(p,x) ⁸² Rb relative thick target yield			
3208	BNL	Expt A	JLCR 16 210 79	3.2+1		Lambrecht+ 1.2*81RB PRODUCTION.
		Expt J	ARI 31 51 79	3.2+1		Lambrecht+ TBL. REL. EOB YIELDS. 16MEV
			Kr(p,x) ⁸³ Rb thick target yield			
3209	FEI	Expt J	AE 32 426 572	1.2+1 2.8+1		Dmitriev+ CURV. CALC.
		Expt J	SJA 32 500 72	1.2+1 2.8+1		TRANSLATION OF AE 32, 426(1972)
		Expt 4	EXFORA0011.004 478	1.2+1 2.8+1		5 DATA POINTS
			Kr(p,x) ⁸³ Rb relative thick target yield			
3210	BNL	Expt A	JLCR 16 210 79	3.2+1		Lambrecht+ 0.007*81RB PRODUCTION.
		Expt J	ARI 31 51 79	3.2+1		Lambrecht+ TBL. REL. EOB YIELDS. 16MEV
			Kr(p,x) ⁸⁴ Rb relative thick target yield			
3211	BNL	Expt A	JLCR 16 210 79	3.2+1		Lambrecht+ 0.008*81RB PRODUCTION.
		Expt J	ARI 31 51 79	3.2+1		Lambrecht+ TBL. REL. EOB YIELDS. 16MEV
			Kr(p,x) ⁸⁶ Rb relative thick target yield			
3212	BNL	Expt A	JLCR 16 210 79	3.2+1		Lambrecht+ 0.06*81RB PRODUCTION.
		Expt J	ARI 31 51 79	3.2+1		Lambrecht+ TBL. REL. EOB YIELDS. 16MEV
			⁸² Kr(p,n) ⁸¹ Rb product yield			
3213	USA	Revw J	IRE 26 1703 279	NDG		Beaver+ 4.0 MCI/MUAHR.
			⁸² Kr(p,n) ⁸² Rb product yield			
3214	USA	Revw J	IRE 26 1703 279	NDG		Beaver+ 30 PERCENT IMPURITY OF 81RB
			⁸³ Kr(p,n) ⁸³ Rb thick target yield*abundance			
3215	AML	Revw J	IRE 26 2281 479	2.2+1		Chaudri. TBL. CFD EXP. TO CALC.
			⁸⁴ Kr(p,n) ⁸⁴ Rb σ(E)			
3216	WIT	Expt P	INDC(SEC)-61 077	3.0+0 8.0+0		Selischop+ NDG. NEUTRON ANTI-DET. P.333
			⁸⁴ Kr(p,n) ⁸⁴ Rb thick target yield*abundance			
3217	FEI	Expt J	AE 32 426 572	1.2+1 2.8+1		Dmitriev+ CURV. CALC.
		Expt J	SJA 32 500 72	1.2+1 2.8+1		TRANSLATION OF AE 32, 426(1972)
		Expt 4	EXFORA0011.005 478	1.2+1 2.8+1		5 DATA POINTS
			⁸⁶ Kr(p,n) ⁸⁶ Rb σ(E)			
3218	WIT	Expt P	INDC(SEC)-61 077	3.0+0 8.0+0		Selischop+ NDG. NEUTRON ANTI-DET. P.333
			⁸⁶ Kr(p,n) ⁸⁶ Rb thick target yield*abundance			
3219	FEI	Expt J	AE 32 426 572	1.2+1 2.8+1		Dmitriev+ CURV. CALC.
		Expt J	SJA 32 500 72	1.2+1 2.8+1		TRANSLATION OF AE 32, 426(1972)
		Expt 4	EXFORA0011.006 478	1.2+1 2.8+1		5 DATA POINTS
			Rb(p,x) ⁸¹ Rb spallation product yield			
3220	HAR	Expt P	AERE-PR/NP-25 678	7.0+1		Syme+ P. 90. MAX. RATE=8MCI/MUAHR/GCM-2
			Rb(p,x) ⁸¹ Rb product yield			
3221	HRV	Expt J	ARI 27 189 76	2.0+1 1.6+2		Schneider+ CURV. MAXIMUM AT 68 MEV
			Rb(p,x) ⁸¹ Rb cumulative spallation σ(E)			
3222	HAR	Expt P	AERE-PR/NP-25 678	7.0+1		Syme+ P. 90. (CUM-IND)/CUM=0.77
		Expt P	UKNDC-P-86, 2/ 877	4.5+1 1.6+2		Syme+ CURV. 120MIN. AFTER IRRADIATION.
			Rb(p,x) ⁸¹ Rb independent spallation σ(E)			
3223	HAR	Expt P	AERE-PR/NP-25 678	7.0+1		Syme+ P. 90. (CUM-IND)/CUM=0.77
			Rb(p,x) ⁸² Rb cumulative? spallation σ(E)			
3224	HAR	Expt P	AERE-PR/NP-25 678	7.0+1 1.0+2		Syme+P. 90.TBL.IMP. AS PERCENT OF R881

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
	Rb(p,x) ⁸² Rb	cumulative? spallation σ(E)			
3224	HAR Expt P	UKNDC-P-86 27 877	4.5+1	1.6+2	Syme+NDG. 10PERCENT BY ACTIVITY OF RB81.
	Rb(p,x) ⁸⁴ Rb	cumulative? spallation σ(E)			
3225	HAR Expt P	AERE-PR/NP-25 678	NDG		Syme+ P. 90. NDG. SEE PR/NP-24, 42
	Expt P	AERE-PR/NP-25 678	7.0+1	1.0+2	Syme+P. 90.TBL.IMP. AS PERCENT OF RB81
	Expt P	UKNDC-P-86 27 877	1.0+1	1.6+2	Syme+ CURV.
	Rb(p,x) ⁸¹ Sr	spallation σ(E)			
3226	HAR Expt P	AERE-PR/NP-25 678	7.0+1		Syme+P. 90.PEAK SIGMA = 60 MB.PR/NP-24
	Rb(p,x) ⁸¹ Sr	spallation product yield			
3227	HAR Expt P	AERE-PR/NP-25 678	7.0+1	1.0+2	Syme+P. 90.TBL.IMP. AS PERCENT OF RB81
	Rb(p,x) ⁸² Sr	thick target yield			
3228	GRN Expt J	ARI 27 15	76	4.8+1	Bukshpan+ NDG. TO PRODUCE 37-RB-83.
	Rb(p,x) ⁸⁹ Sr	σ(E)			
3229	CCP Revv J	AE 42 311	77	8.0+0	1.1+1 Zolotokin+ TBL. ACTIVATION.
	Revv J	SJA 42 344	077	8.0+0	1.1+1 . TRANSLATION OF AE 42(4), 311(1977).
	Rb(p,x) ⁸⁹ Sr	spallation σ(E)			
3230	HAR Expt P	AERE-PR/NP-25 678	NDG		Syme+ P. 90. NDG. SEE PR/NP-24, 42
	Expt P	UKNDC-P-86 27 877	4.5+1	1.6+2	Syme+ CURV.
	Rb(p,x) ⁸⁹ Sr	σ(E)			
3231	CCP Revv J	AE 42 311	77	8.0+0	1.1+1 Zolotokin+ TBL. ACTIVATION.
	Revv J	SJA 42 344	077	8.0+0	1.1+1 . TRANSLATION OF AE 42(4), 311(1977).
	Rb(p,x) ⁸⁹ Sr	spallation product yield			
3232	HAR Expt P	AERE-PR/NP-25 678	7.0+1	1.0+2	Syme+P. 90.TBL.IMP. AS PERCENT OF RB81
	Rb(p,x) ⁸⁷ Sr	σ(E)			
3233	CCP Revv J	AE 42 311	77	8.0+0	1.1+1 Zolotokin+ TBL. ACTIVATION.
	Revv J	SJA 42 344	077	8.0+0	1.1+1 . TRANSLATION OF AE 42(4), 311(1977).
	Rb(p,x)isotopic distribution	product yield			
3234	HAR Expt P	AERE-PR/NP-26 379	NDG		Wood+ WORK COMPLETED. P. 73. SEE PR/NP24
	⁸⁹ Rb(p,x) ⁸¹ Rb	cumulative? spallation σ(E)			
3235	HAR Expt P	AERE-PR/NP 24 577	4.0+1	1.6+2	Syme+ CURV. RBCL TARGET. P. 41.
	⁸⁹ Rb(p,4n+p) ⁸¹ Rb	σ(E)			
3236	HRV Expt J	ARI 27 189	76	6.8+1	Schneider+ ESTIMATED AS 26MB.
	⁸⁹ Rb(p,x) ⁸¹ Rb	cumulative σ(E)			
3237	OSA Expt P	A-RCNP-77 241	78	4.5+1	6.5+1 Yeshizawa+ CURV. STACKED FOILS.
	⁸⁹ Rb(p,4n+p) ⁸¹ Rb	σ(E)			
3238	OSA Expt P	A-RCNP-77 241	78	4.5+1	6.5+1 Yeshizawa+ CURV. STACKED FOILS.
	⁸⁹ Rb(p,x) ⁸² Rb	cumulative? spallation σ(E)			
3239	HAR Expt P	AERE-PR/NP 24 577	4.0+1	1.6+2	Syme+ NDG. RBCL TARGET. P. 41.
	⁸⁹ Rb(p,x) ⁸¹ Sr	cumulative spallation σ(E)			
3240	HAR Expt P	AERE-PR/NP-26 379	NDG		Wood+ NDG. 81RB PROD. P. 73.
	Expt P	UKNDC-P-80 28 776	NDG		Syme+ APP. 100000C1/A-H OF RB-81.
	Expt P	AERE-PR/NP2349 76	NDG		Syme+ RB-81 YLD. APP. 1E4C1/A HR)
	⁸⁹ Rb(p,5n) ⁸¹ Sr	product yield			
3241	DAV Expt A	ANS 33 224	N79	6.6+1	Lagunas-Solar+ TBL. REVIEW OF PROGRAM.
	⁸⁹ Rb(p,5n) ⁸¹ Sr	σ(E)			
3242	GRN Expt A	JLRC 23 247	77	4.5+1	6.5+1 Van Herk+ 44MB AT 65 MEV. CFD THEORY.
3243	OSA Expt P	A-RCNP-77 241	78	4.5+1	6.5+1 Yeshizawa+ CURV. STACKED FOILS.
3244	MUR Expt A	HPA 50 194	77	5.4+1	6.9+1 Hegedus+ NDG.
3245	HRV Expt J	ARI 27 189	76	6.9+1	Schneider+ ESTIMATED AS 26MB.
	⁸⁷ Rb(p,x) ⁸¹ Sr	cumulative spallation σ(E)			
3246	HAR Expt P	AERE-PR/NP-26 379	NDG		Wood+ NDG. 81RB PROD. P. 73.
	Expt P	UKNDC-P-80 28 776	NDG		Syme+ APP. 100000C1/A-H OF RB-81.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
		⁸⁷ Rb(p,x) ⁸¹ Sr cumulative spallation σ(E)			
3245	HAR Expt P	AERE-PR/NP-23	76	NDG	Syme+ RB-81 YLD. APP ILCI/AHR. P. 49.
		⁸⁷ Rb(p,n) ⁸⁷ Sr σ(E)			
3247	KFK Comp B PH-DAT	15 2 D79	1.2+1		Muenzel+ TBL. FROM EXFOR.
3248	ORL Expt J PR	100 1340 D55	1.2+1		Blosser+ TBL. CURV.
	Expt 4	EXFORB0052.011	77	1.2+1	. (220+-70)MB.
		Sr(p,x) ⁸⁶ Y σ(E)			
3249	CCP Revw J AE	42 311 77	8.0+0	1.1+1	Zatolokin+ TBL. ACTIVATION.
	Revw J SJA	42 344 077	8.0+0	1.1+1	. TRANSLATION OF AE 42(4), 311(1977).
		⁸⁴ Sr(p,γ) ⁸⁵ Y partial average σ(E)			
3250	WHA Expt J NP/A	323 253 779	2.0+0	3.0+0	Szefflinska+ TBL. EST. FROM GAMMAS.
		⁸⁶ Sr(p,4n) ⁸³ Y thick target yield			
3251	GRN Expt J ARI	27 15 76	5.5+1		Bukshpan+ NDG. TO PRODUCE 37-RB-83.
		⁸⁶ Sr(p,γ) ⁸⁷ Y partial average σ(E)			
3252	WHA Expt J NP/A	323 253 779	2.0+0	3.0+0	Szefflinska+ TBL. EST. FROM GAMMAS.
		⁸⁷ Sr(p,n) ⁸⁷ Y thick target yield			
3253	CLU Exth J AND	23 177 279	2.6+0	5.7+0	Roughlon+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205 302 76	NDG		. MORE TECHNICAL DETAILS.
	Expt J AJ	193 187 074	NDG		. MORE TECHNICAL DETAILS.
	Expt J AJ	188 595 374	NDG		. MORE TECHNICAL DETAILS.
		⁸⁷ Sr(p,γ) ⁸⁸ Y thick target yield			
3254	CLU Exth J AND	23 177 279	2.6+0	4.3+0	Roughlon+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205 302 76	NDG		. MORE TECHNICAL DETAILS.
	Expt J AJ	193 187 074	NDG		. MORE TECHNICAL DETAILS.
	Expt J AJ	188 595 374	NDG		. MORE TECHNICAL DETAILS.
		⁸⁸ Sr(p,x)γ σ(E)			
3255	LRL Expt P DOE-NDC-15	105 479	3.0+0		+1 Dietrich+ NDG. GE(LI),NAI. CFD STAT MOD
		⁸⁸ Sr(p,x) ⁸³ Rb σ(E)			
3256	KFK Comp B PH-DAT	15 2 D79	5.4+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
3257	MCG Expt J CJC	45 1149 67	5.4+1	8.5+1	Sachdev+ TBL. CURV. CFD EVAP-CASCADE
	Expt 4	EXFORB0069.010	678	5.4+1	8.5+1 . 6 DATA POINTS.
		⁸⁸ Sr(p,2nα) ⁸³ Rb σ(E)			
3258	KFK Comp B PH-DAT	15 2 D79	3.3+1	4.8+1	Muenzel+ TBL. FROM EXFOR.
3259	MCG Expt J CJC	45 1149 67	3.3+1	4.8+1	Sachdev+ TBL. CURV. RESIDUAL ACTIVITY.
	Expt 4	EXFORB0069.010	678	3.3+1	4.8+1 . 5 DATA POINTS.
		⁸⁸ Sr(p,4n+2p) ⁸³ Rb σ(E)			
3260	MIL Theo J PR/C	16 1404 077	3.5+1	9.5+1	Gadioli+ CURV. PRE-EQUILIBRIUM.
		⁸⁸ Sr(p,x) ⁸⁴ Rb including metastable σ(E)			
3261	KFK Comp B PH-DAT	15 2 D79	4.2+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
3262	MCG Expt J CJC	45 1149 67	4.2+1	8.5+1	Sachdev+ TBL. CURV. CFD EVAP-CASCADE
	Expt 4	EXFORB0069.009	678	4.2+1	8.5+1 . 8 DATA POINTS.
		⁸⁸ Sr(p,3n+2p) ⁸⁴ Rb σ(E)			
3263	MIL Theo J PR/C	16 1404 077	2.8+1	9.0+1	Gadioli+ CURV. PRE-EQUILIBRIUM.
	Theo J PL/B	65 311 076	7.3+1		Gadioli+ TBL. VAR. IN MEAN-FREE PATH
		⁸⁸ Sr(p,nα) ⁸⁴ Rb including metastable σ(E)			
3264	KFK Comp B PH-DAT	15 2 D79	2.5+1	4.0+1	Muenzel+ TBL. FROM EXFOR.
3265	MCG Expt J CJC	45 1149 67	2.5+1	4.0+1	Sachdev+ TBL. CURV. RESIDUAL ACTIVITY.
	Expt 4	EXFORB0069.009	678	2.5+1	4.0+1 . 5 DATA POINTS.
		⁸⁸ Sr(p,n+2p) ⁸⁶ Rb σ(E)			
3266	MIL Theo J PR/C	16 1404 077	3.8+1	9.5+1	Gadioli+ CURV. PRE-EQUILIBRIUM.
		⁸⁸ Sr(p,n+2p) ⁸⁶ Rb including metastable σ(E)			
3267	KFK Comp B PH-DAT	15 2 D79	3.3+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
3268	MCG Expt J CJC	45 1149 67	3.3+1	8.5+1	Sachdev+ TBL. CURV. CFD EVAP-CASCADE
	Expt 4	EXFORB0069.008	678	3.3+1	8.5+1 . 11 DATA POINTS.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{88}\text{Sr}(p,3n+p)^{85}\text{Sr}$ $\sigma(E)$						
3269	MIL	Theo J PR/C	16 1404 077	4.5+1	1.0+2	Gadioli+ CURV. PRE-EQUILIBRIUM.
		Theo J PL/B	65 311 076	5.4+1		Gadioli+ TBL. VAR. IN MEAN-FREE PATH
$^{88}\text{Sr}(p,3n+p)^{85}\text{eSr}$ $\sigma(E)$						
3270	KFK	Comp B PH-DAT	15 2 079	4.2+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
3271	MCG	Expt J CJC	45 1149 67	4.2+1	8.5+1	Sachdev+ TBL. CURV. RESIDUAL ACTIVITY.
		Expt 4 EXFORB0069.007	678	4.2+1	8.5+1	. 8 DATA POINTS.
$^{88}\text{Sr}(p,3n+p)^{85}\text{eSr}$ $\sigma(E)$						
3272	KFK	Comp B PH-DAT	15 2 079	4.2+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
3273	MCG	Expt J CJC	45 1149 67	4.2+1	8.5+1	Sachdev+ TBL. CURV. RESIDUAL ACTIVITY.
		Expt 4 EXFORB0069.007	678	4.2+1	8.5+1	. 8 DATA POINTS.
$^{88}\text{Sr}(p,3n+p)^{85}\text{eSr}$ summation $\sigma(E)$						
3274	KFK	Comp B PH-DAT	15 2 079	4.2+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
3275	MCG	Expt J CJC	45 1149 67	4.2+1	8.5+1	Sachdev+ TBL. CURV. CFD EVAP-CASCADE
		Expt 4 EXFORB0069.007	678	4.2+1	8.5+1	. 8 DATA POINTS.
$^{88}\text{Sr}(p,5n)^{84}\text{Y}$ $\sigma(E)$						
3276	MIL	Theo J PR/C	16 1404 077	5.0+1	9.0+1	Gadioli+ CURV. PRE-EQUILIBRIUM.
		Theo J PL/B	65 311 076	6.9+1		Gadioli+ TBL. VAR. IN MEAN-FREE PATH
$^{88}\text{Sr}(p,5n)^{84}\text{Y}$ partial $\sigma(E)$						
3277	KFK	Comp B PH-DAT	15 2 079	6.0+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
3278	MCG	Expt J CJC	45 1149 67	6.0+1	8.5+1	Sachdev+ TBL. CURV. CFD EVAP-CASCADE
		Expt 4 EXFORB0069.006	678	6.0+1	8.5+1	. 6 DATA POINTS. 4- HIGH SPIN STATE.
$^{88}\text{Sr}(p,4n)^{85}\text{Y}$ $\sigma(E)$						
3279	MIL	Theo J PR/C	16 1404 077	4.0+1	1.0+2	Gadioli+ CURV. PRE-EQUILIBRIUM.
		Theo J PL/B	65 311 076	5.4+1		Gadioli+ TBL. VAR. IN MEAN-FREE PATH
$^{88}\text{Sr}(p,4n)^{85}\text{Y}$ $\sigma(E)$						
3280	KFK	Comp B PH-DAT	15 2 079	4.2+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
3281	MCG	Expt J CJC	45 1149 67	4.2+1	8.5+1	Sachdev+ TBL. CURV. RESIDUAL ACTIVITY.
		Expt 4 EXFORB0069.005	678	4.2+1	8.5+1	. 9 DATA POINTS.
$^{88}\text{Sr}(p,4n)^{85}\text{Y}$ $\sigma(E)$						
3282	KFK	Comp B PH-DAT	15 2 079	4.2+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
3283	MCG	Expt J CJC	45 1149 67	4.2+1	8.5+1	Sachdev+ TBL. CURV. RESIDUAL ACTIVITY.
		Expt 4 EXFORB0069.005	678	4.2+1	8.5+1	. 9 DATA POINTS.
$^{88}\text{Sr}(p,4n)^{85}\text{eY}$ summation $\sigma(E)$						
3284	KFK	Comp B PH-DAT	15 2 079	4.2+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
3285	MCG	Expt J CJC	45 1149 67	4.2+1	8.5+1	Sachdev+ TBL. CURV. CFD EVAP-CASCADE
		Expt 4 EXFORB0069.005	678	4.2+1	8.5+1	. 9 DATA POINTS.
$^{88}\text{Sr}(p,3n)^{86}\text{Y}$ $\sigma(E)$						
3286	MIL	Theo J PR/C	16 1404 077	2.8+1	9.0+1	Gadioli+ CURV. PRE-EQUILIBRIUM.
		Theo J PL/B	65 311 076	3.9+1		Gadioli+ TBL. VAR. IN MEAN-FREE PATH
$^{88}\text{Sr}(p,3n)^{86}\text{Y}$ $\sigma(E)$						
3287	KFK	Comp B PH-DAT	15 2 079	2.9+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
3288	MCG	Expt J CJC	45 1149 67	2.9+1	8.5+1	Sachdev+ TBL. CURV. RESIDUAL ACTIVITY.
		Expt 4 EXFORB0069.004	678	2.9+1	8.5+1	. 12 DATA POINTS.
$^{88}\text{Sr}(p,3n)^{86}\text{eY}$ $\sigma(E)$						
3289	KFK	Comp B PH-DAT	15 2 079	2.9+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
3290	MCG	Expt J CJC	45 1149 67	3.3+1	8.5+1	Sachdev+ TBL. CURV. RESIDUAL ACTIVITY.
		Expt 4 EXFORB0069.004	678	2.9+1	8.5+1	. 12 DATA POINTS.
$^{88}\text{Sr}(p,3n)^{86}\text{eY}$ summation $\sigma(E)$						
3291	KFK	Comp B PH-DAT	15 2 079	2.9+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
3292	MCG	Expt J CJC	45 1149 67	2.9+1	8.5+1	Sachdev+ TBL. CURV. CFD EVAP-CASCADE
		Expt 4 EXFORB0069.004	678	2.9+1	8.5+1	. 12 DATA POINTS.
$^{88}\text{Sr}(p,2n)^{87}\text{Y}$ $\sigma(E)$						
3293	KFK	Comp B PH-DAT	15 2 079	1.5+1	3.3+1	Muenzel+ TBL. FROM EXFOR.
3294	MCG	Expt J CJC	45 1149 67	1.5+1	8.5+1	Sachdev+ TBL. CURV. RESIDUAL ACTIVITY.
		Expt 4 EXFORB0069.003	678	1.5+1	3.3+1	. 8 DATA POINTS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁸⁸Sr(p,2n)^{87m}Y $\sigma(E)$					
3295	KFK Comp B PH-DAT	15 2 079	1.5+1	3.3+1	Muenzel+ TBL. FROM EXFOR.
3296	MCG Expt J CJC	45 1149 67	1.5+1	8.5+1	Sachdev+ TBL. CURV. RESIDUAL ACTIVITY.
	Expt 4 EXFORB0069.003	678	1.5+1	3.3+1	. 8 DATA POINTS.
⁸⁸Sr(p,2n)^{87m}Y summation $\sigma(E)$					
3297	MCG Expt J CJC	45 1149 67	TR	8.5+1	Sachdev+ TBL. CURV. CFD EVAP-CASCADE
	Expt 4 EXFORB0069.003	678	1.5+1	3.3+1	. 8 DATA POINTS.
3298	KFK Comp B PH-DAT	15 2 079	1.5+1	3.3+1	Muenzel+ TBL. FROM EXFOR.
⁸⁸Sr(p,n)⁸⁸Y $\sigma(E)$					
3299	KTY Expt J NIM	133 253 76	+0	5.8+0	Sekharan+ CURV. 4PI NEUTRON DETECTOR.
3300	WIT Expt P INDC(SEC)-61	077	3.0+0	8.0+0	Selischep+ NDG. NEUTRON ANTI-DET. P.333
3301	KFK Comp B PH-DAT	15 2 079	7.0+0	8.5+1	Muenzel+ TBL. FROM EXFOR.
3302	MCG Expt J CJC	45 1149 67	7.0+0	8.5+1	Sachdev+ TBL. CURV. CFD EVAP-CASCADE
	Expt 4 EXFORB0069.002	678	7.0+0	8.5+1	. 19 DATA POINTS.
3303	PAR Expt J JPR	23 1000 62	6.9+1	1.4+2	Albouy+ CURV. CFD CASCADE MODEL.
	Expt 4 EXFORB0106.005	N79	6.9+1	1.4+2	. 6 DATA POINTS.
⁸⁸Sr(p,n)⁸⁸Y thick target yield					
3304	CLU Exth J AND	23 177 279	4.6+0	5.7+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205 302 76	NDG		. MORE TECHNICAL DETAILS.
	Expt J AJ	193 187 074	NDG		. MORE TECHNICAL DETAILS.
	Expt J AJ	188 595 374	NDG		. MORE TECHNICAL DETAILS.
⁸⁸Sr(p,y)⁸⁸Y partial average $\sigma(E)$					
3305	WHA Expt J NP/A	323 253 779	2.0+0	3.0+0	Szeftlinska+ TBL. EST. FROM GAMMAS.
⁸⁸Sr(p,y)⁸⁸Y $\sigma(E)$					
3306	OSA Expt P OULNS-79-3	4 79	NDG		Nakayama+ NDG. DEDUCED IAR WIDTHS.
3307	LRL Expt A BAP	23 927 978	3.0+0		Dietrich+ NDG. TO WELL ABOVE (P,N) THR.
⁸⁸Y(p,x) spallation $\sigma(E)$ x factor					
3308	NRL Revw J AJ/S	35 137 077	6.0+1	8.5+1	Silberberg+ TBL. RATIO CALC./EXPT.
⁸⁸Y(p,x) partial $\sigma(E)$ x factor					
3309	NRL Revw J AJ/S	35 137 077	6.0+1	8.5+1	Silberberg+ TBL. PERIPHERAL REAC. EXC. (P,N)
⁸⁸Y(p,absorption) $\sigma(E)$					
3310	MCG Theo J NCL	23 89 978	6.2+1		Hogan+ TBL. INFLUENCE OF MEAN-FREE PATH
⁸⁸Y(p,total) $\sigma(E)$ x factor					
3311	ORL Expt J PR/C	20 2052 079	3.5+0	6.5+0	Johnson+ CURV. REDUCED SIGMAS.
	Exth J PRL	39 1604 077	2.5+0	7.0+0	Johnson+ CURV. REDUCED SIGMAS.
⁸⁸Y(p,total) $\sigma(E)$					
3312	ORL Expt J NP/A	107 21 68	3.6+0	5.8+0	Johnson+ CURV. FROM (P,N).
⁸⁸Y(p,x)y $\sigma(E)$					
3313	LRL Expt P DOE-NDC-15	105 479	3.0+0	+1	Dietrich+ NDG. GE(LI), NAI. CFD STAT MOD
⁸⁸Y(p,5n+p)⁸⁴Y $\sigma(E)$					
3314	MIL Theo J PR/C	16 1404 077	6.0+1	1.0+2	Gadioli+ CURV. PRE-EQUILIBRIUM.
⁸⁸Y(p,5n+p)⁸⁴Y partial $\sigma(E)$					
3315	KFK Comp B PH-DAT	15 1 079	6.6+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
3316	MCG Exth J PR	144 962 66	6.6+1	8.5+1	Saha+ TBL. CURV. ACTIVATION.
	Expt 4 EXFORB0001.010	076	6.6+1	8.5+1	. 3 DATA POINTS.
⁸⁸Y(p,4n+p)⁸⁵Y $\sigma(E)$					
3317	MIL Theo J PR/C	16 1404 077	5.5+1	1.0+2	Gadioli+ CURV. PRE-EQUILIBRIUM.
	Theo J PL/B	65 311 076	7.2+1		Gadioli+ TBL. VAR. IN MEAN-FREE PATH
⁸⁸Y(p,4n+p)⁸⁵Y $\sigma(E)$					
3318	KFK Comp B PH-DAT	15 1 079	6.0+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
3319	MCG Exth J PR	144 962 66	6.0+1	8.5+1	Saha+ TBL. CURV. ACTIVATION. T1/2=5.H
	Exth 4 EXFORB0001.009	076	6.0+1	8.5+1	. 9 DATA POINTS.
⁸⁸Y(p,4n+p)^{85m}Y $\sigma(E)$					
3320	KFK Comp B PH-DAT	15 1 079	6.0+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
3321	MCG Exth J PR	144 962 66	6.0+1	8.5+1	Saha+ TBL. CURV. ACTIVATION. T1/2=2.68H

REFERENCES (cont.)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
$^{88}\text{Y}(p,4n+p)^{85}\text{Y} \quad \sigma(E)$						
3321	MCG Exth 4	EXFORB0001.009	076 6.0+1	8.5+1	. 9 DATA POINTS.	
$^{88}\text{Y}(p,4n+p)^{85}\text{Y} \quad \text{summation } \sigma(E)$						
3322	KFK Comp B PH-DAT 15	1 079 6.0+1	8.5+1	Muenzel+ TBL. FROM EXFOR.		
3323	MCG Exth J PR 144 962	66 6.0+1	8.5+1	Saha+ TBL. CURV. DEDUCED.		
	Exth 4	EXFORB0001.009	076 6.0+1	8.5+1	. 9 DATA POINTS.	
$^{88}\text{Y}(p,4n+p)^{85}\text{Y} \quad \text{ratio } \sigma(E)$						
3324	KFK Comp B PH-DAT 15	1 079 6.0+1	8.5+1	Muenzel+ TBL. FROM EXFOR.		
3325	MCG Exth J PR 144 962	66 6.0+1	8.5+1	Saha+ TBL. CURV. DEDUCED.		
	Expt 4	EXFORB0001.009	076 6.0+1	8.5+1	. 9 DATA POINTS.	
$^{88}\text{Y}(p,3n+p)^{86}\text{Y} \quad \sigma(E)$						
3326	MIL Theo J PR/C 16	1404 077 4.5+1	9.0+1	Gadioli+ CURV. PRE-EQUILIBRIUM.		
	Theo J PL/B 65	311 076 5.8+1		Gadioli+ TBL. VAR. IN MEAN-FREE PATH		
$^{88}\text{Y}(p,3n+p)^{86}\text{Y} \quad \sigma(E)$						
3327	KFK Comp B PH-DAT 15	1 079 4.5+1	8.5+1	Muenzel+ TBL. FROM EXFOR.		
3328	MCG Exth J PR 144 962	66 4.5+1	8.5+1	Saha+ TBL. CURV. ACTIVATION. $T_{1/2}=4.9 \text{ H}$		
	Exth 4	EXFORB0001.008	076 4.5+1	8.5+1	. 9 DATA POINTS.	
$^{88}\text{Y}(p,3n+p)^{86}\text{Y} \quad \sigma(E)$						
3329	KFK Comp B PH-DAT 15	1 079 4.5+1	8.5+1	Muenzel+ TBL. FROM EXFOR.		
3330	MCG Exth J PR 144 962	66 4.5+1	8.5+1	Saha+ TBL. CURV. ACTIVATION. $T_{1/2}=48.5 \text{ M}$		
	Exth 4	EXFORB0001.008	076 4.5+1	8.5+1	. 9 DATA POINTS.	
$^{88}\text{Y}(p,3n+p)^{86}\text{Y} \quad \text{summation } \sigma(E)$						
3331	KFK Comp B PH-DAT 15	1 079 3.7+1	8.5+1	Muenzel+ TBL. FROM EXFOR.		
3332	MCG Exth J PR 144 962	66 3.7+1	8.5+1	Saha+ TBL. CURV. DEDUCED.		
	Exth J PR 144 962	66 4.5+1	8.5+1	Saha+ TBL. CURV. ACTIVATION. $T_{1/2}=14.7 \text{ H}$		
	Expt 4	EXFORB0001.008	076 3.7+1	8.5+1	. 11 DATA POINTS.	
$^{88}\text{Y}(p,3n+p)^{86}\text{Y} \quad \text{ratio } \sigma(E)$						
3333	KFK Comp B PH-DAT 15	1 079 4.5+1	8.5+1	Muenzel+ TBL. FROM EXFOR.		
3334	MCG Exth J PR 144 962	66 4.5+1	8.5+1	Saha+ TBL. CURV. DEDUCED.		
	Exth 4	EXFORB0001.008	076 4.5+1	8.5+1	. 9 DATA POINTS.	
$^{88}\text{Y}(p,2n+p)^{87}\text{Y} \quad \sigma(E)$						
3335	LAS Theo C 77BNL	467 77 2.5+1	4.0+1	Arthur+ CURV. GNASH CODE.		
3336	MIL Theo J PL/B 65	311 076 4.3+1		Gadioli+ TBL. VAR. IN MEAN-FREE PATH		
$^{88}\text{Y}(p,2n+p)^{87}\text{Y} \quad \sigma(E)$						
3337	KFK Comp B PH-DAT 15	1 079 2.5+1	8.5+1	Muenzel+ TBL. FROM EXFOR.		
3338	MCG Exth J PR 144 962	66 2.5+1	8.5+1	Saha+ TBL. CURV. ACTIVATION. $T_{1/2}=80. \text{ H}$		
	Expt 4	EXFORB0001.003	076 2.5+1	8.5+1	. 16 DATA POINTS.	
$^{88}\text{Y}(p,2n+p)^{87}\text{Y} \quad \sigma(E)$						
3339	KFK Comp B PH-DAT 15	1 079 2.5+1	8.5+1	Muenzel+ TBL. FROM EXFOR.		
3340	MCG Exth J PR 144 962	66 2.5+1	8.5+1	Saha+ TBL. CURV. ACTIVATION. $T_{1/2}=13.2 \text{ H}$		
	Expt 4	EXFORB0001.003	076 2.5+1	8.5+1	. 16 DATA POINTS.	
$^{88}\text{Y}(p,2n+p)^{87}\text{Y} \quad \text{summation } \sigma(E)$						
3341	KFK Comp B PH-DAT 15	1 079 2.5+1	8.5+1	Muenzel+ TBL. FROM EXFOR.		
3342	MCG Exth J PR 144 962	66 2.5+1	8.5+1	Saha+ TBL. CURV. DEDUCED.		
	Exth 4	EXFORB0001.003	076 2.5+1	8.5+1	. 16 DATA POINTS.	
$^{88}\text{Y}(p,2n+p)^{87}\text{Y} \quad \text{ratio } \sigma(E)$						
3343	KFK Comp B PH-DAT 15	1 079 2.5+1	8.5+1	Muenzel+ TBL. FROM EXFOR.		
3344	MCG Exth J PR 144 962	66 2.5+1	8.5+1	Saha+ TBL. CURV. DEDUCED.		
	Expt 4	EXFORB0001.003	076 2.5+1	8.5+1	. 16 DATA POINTS.	
$^{88}\text{Y}(p,n+p)^{88}\text{Y} \quad \sigma(E)$						
3345	LAS Theo C 77BNL	467 77 1.7+1	4.0+1	Arthur+ CURV. GNASH CODE.		
3346	MIL Theo J PR/C 16	1404 077 3.0+1	9.0+1	Gadioli+ CURV. PRE-EQUILIBRIUM.		
$^{88}\text{Y}(p,n+p)^{88}\text{Y} \quad \sigma(E)$						
3347	KFK Comp B PH-DAT 15	1 079 1.5+1	8.5+1	Muenzel+ TBL. FROM EXFOR.		
3348	MCG Exth J PR 144 962	66 1.5+1	8.5+1	Saha+ TBL. CURV. ACTIVATION.		
	Expt 4	EXFORB0001.007	076 1.5+1	8.5+1	. 16 DATA POINTS.	

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
⁸⁸Y(p,4n)⁸⁸Zr $\sigma(E)$							
3349	KFK	Comp	D PH-DAT 15	1 079	4.5+1 4.0+2	Muenzel+	TBL. FROM EXFOR.
3350	MIL	Theo	J PR/C 16	1404 077	4.5+1 9.0+1	Gadioli+	CURV. PRE-EQUILIBRIUM.
			Theo J PL/B 65	311 076	5.4+1	Gadioli+	TBL. VAR. IN MEAN-FREE PATH
3351	MCG	Exth	J PR 144	962 66	4.5+1 8.5+1	Saha+	TBL. CURV. ACTIVATION.
			Exth 4 EXFORB0001.006	076	4.5+1 8.5+1		. 9 DATA POINTS.
3352	PUP	Expl	J PR 178	1732 269	4.0+2	Church+	TBL. 99.99 PER CENT PURITY.
			Expl 4 EXFORB0024.016	77	4.0+2		. (2.39+-0.38)MB.
⁸⁸Y(p,3n)⁸⁷Zr $\sigma(E)$							
3353	LAS	Theo	C 77BNL	467 77	2.5+1 4.0+1	Arthur+	CURV. GNASH CODE.
3354	MIL	Theo	J PR/C 16	1404 077	3.0+1 9.0+1	Gadioli+	CURV. PRE-EQUILIBRIUM.
			Theo J PL/B 65	311 076	4.0+1	Gadioli+	TBL. VAR. IN MEAN-FREE PATH
3355	NRL	Revw	J AJ/S 35	137 077	4.0+1 6.0+2	Silberberg+	TBL. CURV.
			Theo J AJ/S 35	129 077	3.1+1 6.0+2	Silberberg+	CURV. TBL. SEMI-EMP. METHOD
⁸⁸Y(p,3n)⁸⁷Zr including metastable $\sigma(E)$							
3356	KFK	Comp	B PH-DAT 15	1 079	3.1+1 4.0+2	Muenzel+	TBL. FROM EXFOR.
3357	MCG	Exth	J PR 144	962 66	3.1+1 8.5+1	Saha+	TBL. CURV. ACTIVATION.
			Expl 4 EXFORB0001.005	076	3.1+1 8.5+1		. 14 DATA POINTS.
3358	PUP	Expl	J PR 178	1732 269	4.0+2	Church+	TBL. 99.99 PER CENT PURITY.
			Expl 4 EXFORB0024.015	77	4.0+2		. (3.85+-0.70)MB.
⁸⁸Y(p,2n)⁸⁸Zr $\sigma(E)$							
3359	LAS	Theo	C 77BNL	467 77	1.2+1 4.0+1	Arthur+	CURV. GNASH CODE.
3360	NRL	Revw	J AJ/S 35	137 077	1.2+1 6.0+2	Silberberg+	CURV.
			Theo J AJ/S 35	129 077	1.7+1 6.0+2	Silberberg+	CURV. SEMI-EMP. METHOD.
3361	KFK	Comp	B PH-DAT 15	1 079	1.5+1 4.0+2	Muenzel+	TBL. FROM EXFOR.
3362	MCG	Exth	J PR 144	962 66	1.5+1 8.5+1	Saha+	TBL. CURV. ACTIVATION.
			Exth 4 EXFORB0001.004	076	1.5+1 8.5+1		. 18 DATA POINTS.
3363	PUP	Expl	J PR 178	1732 269	4.0+2	Church+	TBL. 99.99 PER CENT PURITY.
			Expl 4 EXFORB0024.014	76	4.0+2		. (4.51+-0.52)MB.
⁸⁸Y(p,n)⁸⁸Zr $\sigma(E)$							
3364	BRC	Revw	C 78HARWEL	514 78	2.0+0 4.2+1	Bersillon+	CURV. GRIFFIN EXCITON MODEL
3365	ORL	Expl	J NP/A 107	21 68	3.6+0 5.8+0	Johnson+	CURV. 4PI NEUTRON DET.
3366	LAS	Theo	P LA- 6754-PR 3	377	4.0+0 2.0+1	Arthur.	CURV. GNASH CODE. CPO EXP.
			Theo C 77BNL	467 77	7.0+0 4.0+1	Arthur+	CURV. GNASH CODE.
3367	NRL	Revw	J AJ/S 35	137 077	4.0+0 6.0+2	Silberberg+	CURV.
			Theo J AJ/S 35	129 077	8.0+0 6.0+2	Silberberg+	CURV. SEMI-EMP. METHOD.
3368	CCP	Revw	J AE 42	311 77	8.0+0 1.1+1	Zatolokhin+	TBL. ACTIVATION.
			Revw J SJA 42	344 077	8.0+0 1.1+1		. TRANSLATION OF AE 42(4), 311(1977).
3369	MIL	Theo	J PR/C 16	1404 077	1.0+1 8.0+1	Gadioli+	CURV. PRE-EQUILIBRIUM.
⁸⁸Y(p,n)⁸⁸Zr partial $\sigma(E)$							
3370	BRC	Theo	C 78HARWEL	514 78	1.0+1 4.2+1	Bersillon+	CURV. PRE-EQ. GRIFFIN EXCIT
⁸⁸Y(p,n)⁸⁸Zr compound-nucleus $\sigma(E)$							
3371	BRC	Theo	C 78HARWEL	514 78	2.0+0 2.5+1	Bersillon+	CURV. EVAP. GRIFFIN EXCITON
⁸⁸Y(p,n)⁸⁸Zr including metastable $\sigma(E)$							
3372	MIL	Expl	J NP/A 201	579 73	3.9+0 4.4+1	Birattari+	CURV. T1/2=79.0H
			Expl 4 EXFORB0018.002	076	3.9+0 4.4+1		. 20 DATA POINTS.
3373	MCG	Exth	J PR 144	962 66	5.0+0 8.5+1	Saha+	TBL. CURV. ACTIVATION.
			Expl 4 EXFORB0001.002	076	5.0+0 8.5+1		. 19 DATA POINTS.
3374	KFK	Comp	B PH-DAT 15	2 079	1.2+1	Muenzel+	TBL. FROM EXFOR.
			Comp B PH-DAT 15	1 079	3.9+0 8.5+1	Muenzel+	TBL. FROM EXFOR.
3375	ORL	Expl	J PR 100	1340 055	1.2+1	Blosser+	TBL. CURV.
			Expl 4 EXFORB00052.012	77	1.2+1		. (750+-150)MB.
3376	PUP	Expl	J PR 178	1732 269	4.0+2	Church+	TBL. 99.99 PER CENT PURITY.
			Expl 4 EXFORB0024.013	77	4.0+2		. (1.85+-0.27)MB.
⁸⁸Y(p,n)⁸⁸Zr $\sigma(E)$ factor							
3377	ORL	Exth	J PRL 39	1604 077	2.5+0 7.0+0	Johnson+	CURV. REDUCED SIGMAS.
3378	ORL	Expl	J PR/C 20	2052 079	3.5+0 6.5+0	Johnson+	CURV. REDUCED SIGMAS.
⁸⁸Y(p,n)⁸⁸Zr partial raw $\sigma(E)$							
3379	ORL	Expl	J NP/A 107	21 68	3.5+0 4.8+0	Johnson+	CURV. 4PI NEUT DET. NO-N2 GRPS
⁸⁸Y(p,n)⁸⁸Zr relative $\sigma(E)$							
3380	ORL	Expl	J PR/B 136	1719 064	1.8+0 5.8+0	Johnson+	CURV. FROM 1953-1960 MEAS.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{89}\text{Y}(p,n)^{89}\text{Zr}$ partial relative $\sigma(E)$							
3381	ORL	Expt J	NP/A 107	21	68	3.5+0	4.8+0 Johnson+ CURV. ND-N2 GROUPS.
$^{89}\text{Y}(p,n)^{89}\text{Zr}$ $\sigma(E)$							
3382	KFK	Comp B	PH-DAT 15	2	079	1.2+1	Muenzel+ TBL. FROM EXFOR.
3383	ORL	Expt J	PR 100	1340	055	1.2+1	Blosser+ TBL. CURV.
		Expt 4	EXFORB0052.012	77	1.2+1		. (170+-60)MB.
$^{89}\text{Y}(p,n)^{89}\text{Zr}$ summation $\sigma(E)$							
3384	LRL	Expt W	TO ORNL-CPX	64	7.0+0	8.1+0	Alberl.
		Expt 4	EXFORB0093.013	579	7.0+0	8.1+0	. 2 DATA POINTS.
$^{89}\text{Y}(p,\gamma)^{90}\text{Zr}$ partial average $\sigma(E)$							
3385	WHA	Expt J	NP/A 323	253	779	2.0+0	3.0+0 Szefflinska+ TBL. EST. FROM GAMMAS.
3386	FRK	Expt C	74PETTEN	432	974	2.2+0	4.8+0 Rippl+ CURV. 6 G'S. THETA=55 DEG. .3MEV
$^{89}\text{Y}(p,\gamma)^{90}\text{Zr}$ $\sigma(E)$							
3387	OSA	Expt P	OULNS-79-3	4	79	NDG	Nakayama+ NDG. DEDUCED IAR WIDTHS.
3388	HAU	Exth A	DA/B 39	2374	N78	NDG	Ebisawa+ NDG. NEAR+ABOVE GDR. SMOOTH DECR
3389	LRL	Expt A	BAP 23	927	978	3.0+0	Dietrich+ NDG. TO WELL ABOVE (P,N) THR.
$^{89}\text{Y}(p,\gamma)^{90}\text{Zr}$ partial $\sigma(E)$							
3390	HAU	Exth A	DA/B 39	2374	N78	NDG	Ebisawa. NDG. NEAR+ABOVE GDR. RES. STRUC
3391	FRK	Expt C	74PETTEN	432	974	2.2+0	4.8+0 Rippl+ CURV. 6 G'S. THETA=55 DEG. 25KEV
$^{89}\text{Y}(p,\gamma)^{90}\text{Zr}$ partial $\sigma(E)$ x factor							
3392	LRL	Exth J	PRL 38	156	177	1.4+1	2.7+1 Dietrich+ FCT=1/4PI FROM ANG DIST
$^{89}\text{Y}(p,xn)$ isotopic distribution $\sigma(E)$							
3393	NRL	Theo J	AJ/S 35	129	077	4.0+2	Silberberg+ CURV. X=1-4. 4 REFERENCES.
$\text{Zr}(p, \text{absorption})$ $\sigma(E)$							
3394	IJI	Rev J	FCY 6	827	75	9.2+0	1.0+2 Nemets+ CURV. TBL.
		Rev J	SJPN 6	325	76	9.2+0	1.0+2 . TRANSLATION OF FCY 6,(4),827(75).
$^{90}\text{Zr}(p,x)$ emission $\sigma(E)$							
3395	MRY	Expt J	PR/C 19	698	379	9.0+1	Wu+ TBL. CHARGED-PARTICLE EMISSION.
$^{90}\text{Zr}(p,x)$ emission $\sigma(E)$ x factor							
3395	MRY	Expt J	PR/C 19	698	379	9.0+1	Wu+ TBL. RATIO TO CHRGD-PARTICLE EMISS.
$^{90}\text{Zr}(p, \text{absorption})$ $\sigma(E)$ x factor							
3397	MRY	Expt J	PR/C 19	698	379	9.0+1	Wu+ TBL. RATIO TO REACTION SIGMA
$^{90}\text{Zr}(p, \text{absorption})$ $\sigma(E)$							
3398	IJI	Rev J	FCY 6	827	75	1.5+1	6.1+1 Nemets+ TBL.
		Rev J	SJPN 6	325	76	1.5+1	6.1+1 . TRANSLATION OF FCY 6,(4),827(1975).
$^{90}\text{Zr}(p, \text{total})$ $\sigma(E)$							
3399	IJI	Rev J	FCY 6	827	75	1.5+1	Nemets+ CURV. DEPENDENCE ON N.
		Rev J	SJPN 6	325	76	1.5+1	. TRANSLATION OF FCY 6,(4),827(75).
$^{90}\text{Zr}(p,x)\gamma$ $\sigma(E)$							
3400	LRL	Expt P	DOE-NDC-15	105	479	3.0+0	+1 Dietrich+ NDG. GE(LI),NAI. CFD STAT MOD
$^{90}\text{Zr}(p,x)^1\text{H}$ emission $\sigma(E)$							
3401	MRY	Expt J	PR/C 19	698	379	9.0+1	Wu+ TBL. FROM CHARGED-PARTICLE SPECTRA
$^{90}\text{Zr}(p,x)^1\text{H}$ partial emission $\sigma(E)$							
3402	MRY	Expt J	PR/C 19	698	379	9.0+1	Wu+ TBL. DISCRETE FRM CHRGD-PART. SPEC.
		Expt J	PR/C 19	698	379	9.0+1	Wu+ TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
$^{90}\text{Zr}(p,x)^1\text{H}$ emission $\sigma(E)$ x factor							
3403	MRY	Expt J	PR/C 19	698	379	9.0+1	Wu+ TBL. RATIO TO CHRGD-PARTICLE EMISS.
		Expt J	PR/C 19	698	379	9.0+1	Wu+ TBL. RATIO TO REACTION SIGMA
$^{90}\text{Zr}(p,x)^1\text{H}$ compound-nucleus emission $\sigma(E)$							
3404	MRY	Expt J	PR/C 19	698	379	9.0+1	Wu+ TBL. EVAPOR. FROM CHRGD-PART. SPEC.
$^{90}\text{Zr}(p,x)^2\text{H}$ $\sigma(E)$							
3405	MRY	Expt J	PR/C 19	698	379	9.0+1	Wu+ TBL. FROM CHARGED-PARTICLE SPECTRA

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{90}\text{Zr}(p,x)^{2\text{H}}$ partial $\sigma(E)$					
3406	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. DISCRETE FRM CHRGD-PART. SPEC.
	Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
$^{90}\text{Zr}(p,x)^{2\text{H}}$ $\sigma(E)$ factor					
3407	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. RATIO TO CHRGD-PARTICLE EMISS.
	Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. RATIO TO REACTION SIGMA
$^{90}\text{Zr}(p,x)^{2\text{H}}$ compound-nucleus $\sigma(E)$					
3408	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. EVAPOR. FROM CHRGD-PART. SPEC.
$^{90}\text{Zr}(p,x)^{3\text{H}}$ $\sigma(E)$					
3409	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. FROM CHARGED-PARTICLE SPECTRA
$^{90}\text{Zr}(p,x)^{3\text{H}}$ partial $\sigma(E)$					
3410	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. DISCRETE FRM CHRGD-PART. SPEC.
	Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
$^{90}\text{Zr}(p,x)^{3\text{H}}$ $\sigma(E)$ factor					
3411	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. RATIO TO REACTION SIGMA
$^{90}\text{Zr}(p,x)^{3\text{H}}$ compound-nucleus $\sigma(E)$					
3412	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. EVAPOR. FROM CHRGD-PART. SPEC.
$^{90}\text{Zr}(p,x)^{3\text{He}}$ $\sigma(E)$					
3413	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. FROM CHARGED-PARTICLE SPECTRA
$^{90}\text{Zr}(p,x)^{3\text{He}}$ partial $\sigma(E)$					
3414	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. DISCRETE FRM CHRGD-PART. SPEC.
	Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
$^{90}\text{Zr}(p,x)^{3\text{He}}$ $\sigma(E)$ factor					
3415	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. RATIO TO CHRGD-PARTICLE EMISS.
	Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. RATIO TO REACTION SIGMA
$^{90}\text{Zr}(p,x)^{3\text{He}}$ compound-nucleus $\sigma(E)$					
3416	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. EVAPOR. FROM CHRGD-PART. SPEC.
$^{90}\text{Zr}(p,x)^{4\text{He}}$ $\sigma(E)$					
3417	MCG Expt J	PR/C 14	64	76 2.0+1 8.0+1	Kantelo+ TBL. DEDUCED FROM PRODUCT SIGMA
3418	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. FROM CHARGED-PARTICLE SPECTRA
$^{90}\text{Zr}(p,x)^{4\text{He}}$ partial $\sigma(E)$					
3419	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
	Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. DISCRETE FRM CHRGD-PART. SPEC.
$^{90}\text{Zr}(p,x)^{4\text{He}}$ $\sigma(E)$ factor					
3420	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. RATIO TO CHRGD-PARTICLE EMISS.
	Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. RATIO TO REACTION SIGMA
$^{90}\text{Zr}(p,x)^{4\text{He}}$ compound-nucleus $\sigma(E)$					
3421	MRY Expt J	PR/C 19	698	379 9.0+1	Wu+ TBL. EVAPOR. FROM CHRGD-PART. SPEC.
$^{90}\text{Zr}(p,x)^{81\text{Rb}}$ including metastable $\sigma(E)$					
3422	MCG Expt J	PR/C 14	64	76 5.6+1 8.6+1	Kantelo+ TBL. RADIOCHEMICAL ANALYSIS
$^{90}\text{Zr}(p,6n+4p)^{81\text{Rb}}$ $\sigma(E)$					
3423	MIL Theo J	PR/C 16	1404	077 6.0+1 9.5+1	Gadioli+ CURV. PRE-EQUILIBRIUM.
$^{90}\text{Zr}(p,5n+4p)^{82\text{Rb}}$ $\sigma(E)$					
3424	MIL Theo J	PR/C 16	1404	077 4.0+1 9.5+1	Gadioli+ CURV. PRE-EQUILIBRIUM.
$^{90}\text{Zr}(p,x)^{82\text{Rb}}$ $\sigma(E)$					
3425	MCG Expt J	PR/C 14	64	76 4.4+1 8.6+1	Kantelo+ TBL. RADIOCHEMICAL ANALYSIS
$^{90}\text{Zr}(p,x)^{83\text{Rb}}$ $\sigma(E)$					
3426	MCG Expt J	PR/C 14	64	76 3.8+1 8.6+1	Kantelo+ TBL. RADIOCHEMICAL ANALYSIS
$^{90}\text{Zr}(p,4n+4p)^{83\text{Rb}}$ $\sigma(E)$					
3427	MIL Theo J	PR/C 16	1404	077 3.5+1 9.5+1	Gadioli+ CURV. PRE-EQUILIBRIUM.

REFERENCES(cont.)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{90}\text{Zr}(p,x)^{84}\text{Rb}$ $\sigma(E)$			
3428	MCG Expt J PR/C	14 64	76	5.0+1 8.6+1	Kantelo+ TBL. RADIOCHEMICAL ANALYSIS
		$^{90}\text{Zr}(p,3n+4p)^{84}\text{Rb}$ $\sigma(E)$			
3429	MIL Theo J PR/C	16 1404	077	5.5+1 9.5+1	Gadioli+ CURV. PRE-EQUILIBRIUM.
		$^{90}\text{Zr}(p,x)^{82}\text{Sr}$ including metastable $\sigma(E)$			
3430	MCG Expt J PR/C	14 64	76	8.0+1 8.6+1	Kantelo+ TBL. RADIOCHEMICAL ANALYSIS
		$^{90}\text{Zr}(p,6n+3p)^{82}\text{Sr}$ $\sigma(E)$			
3431	BNL Theo C 77BNL	491	77	7.0+1 9.0+1	Divadeenam. CURV. GDH+PREEQUILIBRIUM.
3432	MIL Theo J PR/C	16 1404	077	7.5+1 9.5+1	Gadioli+ CURV. PRE-EQUILIBRIUM.
		$^{90}\text{Zr}(p,x)^{83}\text{Sr}$ including metastable $\sigma(E)$			
3433	MCG Expt J PR/C	14 64	76	6.2+1 8.6+1	Kantelo+ TBL. RADIOCHEMICAL ANALYSIS
		$^{90}\text{Zr}(p,5n+3p)^{83}\text{Sr}$ $\sigma(E)$			
3434	BNL Theo C 77BNL	491	77	6.0+1 8.0+1	Divadeenam. CURV. GDH+PREEQUILIBRIUM.
3435	MIL Theo J PR/C	16 1404	077	6.5+1 9.5+1	Gadioli+ CURV. PRE-EQUILIBRIUM.
		$^{90}\text{Zr}(p,x)^{85}\text{Sr}$ $\sigma(E)$			
3436	MCG Expt J PR/C	14 64	76	3.8+1 8.6+1	Kantelo+ TBL. RADIOCHEMICAL ANALYSIS
		$^{90}\text{Zr}(p,3n+3p)^{85}\text{Sr}$ $\sigma(E)$			
3437	BNL Theo C 77BNL	491	77	3.0+1 1.0+2	Divadeenam. CURV. GDH+PREEQUILIBRIUM.
3438	MIL Theo J PR/C	16 1404	077	3.8+1 9.0+1	Gadioli+ CURV. PRE-EQUILIBRIUM.
		$^{90}\text{Zr}(p,5n+2p)^{84}\text{Y}$ $\sigma(E)$			
3439	BNL Theo C 77BNL	491	77	4.5+1 8.0+1	Divadeenam. CURV. GDH+PREEQUILIBRIUM.
3440	MIL Theo J PR/C	16 1404	077	5.0+1 9.5+1	Gadioli+ CURV. PRE-EQUILIBRIUM.
		$^{90}\text{Zr}(p,x)^{84}\text{Y}$ $\sigma(E)$			
3441	MCG Expt J PR/C	14 64	76	5.6+1 8.6+1	Kantelo+ TBL. RADIOCHEMICAL ANALYSIS
		$^{90}\text{Zr}(p,x)^{85}\text{Y}$ including metastable $\sigma(E)$			
3442	MCG Expt J PR/C	14 64	76	3.8+1 8.6+1	Kantelo+ TBL. RADIOCHEMICAL ANALYSIS
		$^{90}\text{Zr}(p,4n+2p)^{85}\text{Y}$ $\sigma(E)$			
3443	BNL Theo C 77BNL	491	77	4.0+1 8.0+1	Divadeenam. CURV. GDH+PREEQUILIBRIUM.
3444	MIL Theo J PR/C	16 1404	077	4.0+1 9.5+1	Gadioli+ CURV. PRE-EQUILIBRIUM.
		$^{90}\text{Zr}(p,x)^{86}\text{Y}$ including metastable $\sigma(E)$			
3445	MCG Expt J PR/C	14 64	76	2.4+1 8.6+1	Kantelo+ TBL. RADIOCHEMICAL ANALYSIS
		$^{90}\text{Zr}(p,3n+2p)^{86}\text{Y}$ $\sigma(E)$			
3446	BNL Theo C 77BNL	491	77	2.0+1 8.0+1	Divadeenam. CURV. GDH+PREEQUILIBRIUM.
3447	MIL Theo J PR/C	16 1404	077	2.5+1 9.0+1	Gadioli+ CURV. PRE-EQUILIBRIUM.
	Theo J PL/B	65 311	076	7.8+1	Gadioli+ TBL. VAR. IN MEAN-FREE PATH
		$^{90}\text{Zr}(p,n+\alpha)^{86}\text{Y}$ $\sigma(E)$			
3448	BNL Theo C 77BNL	491	77	2.0+1 8.0+1	Divadeenam. CURV. GDH+PREEQUILIBRIUM.
		$^{90}\text{Zr}(p,x)^{87}\text{Y}$ including metastable $\sigma(E)$			
3449	MCG Expt J PR/C	14 64	76	1.2+1 8.6+1	Kantelo+ TBL. RADIOCHEMICAL ANALYSIS
		$^{90}\text{Zr}(p,x)^{87}\text{Y}$ $\sigma(E)$			
3450	MCG Expt A DA/B	36 5031	76	9.0+0 8.6+1	Kantelo. NDG.
		$^{90}\text{Zr}(p,2n+2p)^{87}\text{Y}$ $\sigma(E)$			
3451	BNL Theo C 77BNL	491	77	1.0+1 8.0+1	Divadeenam. CURV. GDH+PREEQUILIBRIUM.
3452	MIL Theo J PR/C	16 1404	077	3.5+1 9.0+1	Gadioli+ CURV. PRE-EQUILIBRIUM.
	Theo J PL/B	65 311	076	6.0+1	Gadioli+ TBL. VAR. IN MEAN-FREE PATH
		$^{90}\text{Zr}(p,\alpha)^{87}\text{Y}$ product yield			
3453	ZUR Expt A HPA	49 182	76	3.5+1	Guyet+ NDG.
		$^{90}\text{Zr}(p,x)^{88}\text{Y}$ $\sigma(E)$			
3454	MCG Expt J PR/C	14 64	76	3.0+1 8.6+1	Kantelo+ TBL. RADIOCHEMICAL ANALYSIS
		$^{90}\text{Zr}(p,n+2p)^{88}\text{Y}$ $\sigma(E)$			
3455	BNL Theo C 77BNL	491	77	3.0+1 8.0+1	Divadeenam. CURV. GDH+PREEQUILIBRIUM.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{90}\text{Zr}(p,n+2p)^{88}\text{Y}$ $\sigma(E)$			
3456	MIL Theo J PR/C	16 1404 077 4.0+1	9.5+1	Gadioli+ CURV. PRE-EQUILIBRIUM.	
		$^{90}\text{Zr}(p,l)^{89}\text{Zr}$ partial $\sigma(E)$			
3457	TOK Expt P A-INS-78	43 79 5.2+1		Nakagawa+ TBL. INTAD(6-70DEG). 20 LVLS.	
		$^{90}\text{Zr}(p,\text{elastic})^{90}\text{Zr}$ $\sigma(E)$			
3458	KLN Exth J ZP/A	293 253 79 1.5+1		Paetz Gen-Schieck+TBL.H-F FRM DIFF SIG.	
		$^{90}\text{Zr}(p,3n)^{88m+g}\text{Nb}$ summation $\sigma(E)$			
3459	KFK Comp B PH-DAT	15 1 079 4.0+2		Muenzel+ TBL. FROM EXFOR.	
3460	PUP Expt J PR	178 1732 269 4.0+2		Church+ TBL. ^{90}Zr -OXI PELLET.	
	Expt 4 EXFORB0024.019	77 4.0+2		. (3.79+-0.95)MB.	
		$^{90}\text{Zr}(p,2n)^{89}\text{Nb}$ including metastable $\sigma(E)$			
3461	KFK Comp B PH-DAT	15 1 079 4.0+2		Muenzel+ TBL. FROM EXFOR.	
3462	PUP Expt J PR	178 1732 269 4.0+2		Church+ TBL. ^{90}Zr -OXI PELLET.	
	Expt 4 EXFORB0024.018	77 4.0+2		. (3.52+-0.64)MB.	
		$^{90}\text{Zr}(p,2n)^{89}\text{Nb}$ $\sigma(E)$			
3463	MIL Theo J PR/C	16 1404 077 3.0+1	1.0+2	Gadioli+ CURV. PRE-EQUILIBRIUM.	
		$^{90}\text{Zr}(p,n)^{90}\text{Nb}$ product yield			
3464	FSU Expt A BAP	22 566 477 NDG		Delaune+ NDG. T1/2=6.3,85MS. TR=7.350	
		$^{90}\text{Zr}(p,n)^{90}\text{Nb}$ including metastable $\sigma(E)$			
3465	KFK Comp B PH-DAT	15 2 079 1.2+1		Muenzel+ TBL. FROM EXFOR.	
	Comp B PH-DAT	15 1 079 4.0+2		Muenzel+ TBL. FROM EXFOR.	
3466	ORL Expt J PR	100 1340 055 1.2+1		Blosser+ TBL. CURV.	
	Expt 4 EXFORB0052.013	77 1.2+1		. (1.2+-0.25)B.META NOT KNOWN WHEN PUB.	
3467	PUP Expt J PR	178 1732 269 4.0+2		Church+ TBL. ^{90}Zr -OXI PELLET.	
	Expt 4 EXFORB0024.017	77 4.0+2		. (2.18+-0.19)MB.	
		$^{90}\text{Zr}(p,n)^{90}\text{Nb}$ $\sigma(E)$			
3468	LAS Theo P LA- 6754-PR	3 377 NDG		Arthur. NDG. GNASH CODE.	
3469	MIL Theo J PR/C	16 1404 077 1.0+1	9.0+1	Gadioli+ CURV. PRE-EQUILIBRIUM.	
		$^{90}\text{Zr}(p,\gamma)^{91}\text{Nb}$ $\sigma(E)$			
3470	LRL Expt A BAP	23 927 978 3.0+0		Dietrich+ NDG. TO WELL ABOVE (P,N) THR.	
		$^{90}\text{Zr}(p,\gamma)^{91}\text{Nb}$ thick target yield			
3471	CLU Exth J AND	23 177 279 1.8+0	6.5+0	Roughton+ TBL. ALSO STELLAR REACT. RATE	
	Expt J AJ	205 302 76 NDG		. MORE TECHNICAL DETAILS.	
	Expt J AJ	193 187 074 NDG		. MORE TECHNICAL DETAILS.	
	Expt J AJ	188 595 374 NDG		. MORE TECHNICAL DETAILS.	
		$^{91}\text{Zr}(p,\text{absorption})$ $\sigma(E)$			
3472	IJI Revv J FCY	6 827 75 1.5+1		Nemets+ TBL. FROM PR 157,1001(1967).	
	Revv J SJPN	6 325 76 1.5+1		. TRANSLATION OF FCY 6,(4),827(1975).	
		$^{91}\text{Zr}(p,\text{total})$ $\sigma(E)$			
3473	IJI Revv J FCY	6 827 75 1.5+1		Nemets+ CURV. DEPENDENCE ON N.	
	Revv J SJPN	6 325 76 1.5+1		. TRANSLATION OF FCY 6,(4),827(75).	
		$^{91}\text{Zr}(p,n)^{91}\text{Nb}$ $\sigma(E)$			
3474	MIN Expt W ANNUAL REPT	28 77 1.5+1		Fitzgerald+ (8.8+-1.0)MB. FROM DIFF SIG	
		$^{92}\text{Zr}(p,\text{absorption})$ $\sigma(E)$			
3475	KTY Exth A BAP	24 829 979 2.0+0	6.5+0	Schriels+ NDG. OM + LANE-MODEL ANALYSIS.	
3476	IJI Revv J FCY	6 827 75 1.5+1		Nemets+ TBL. FROM PR 157,1001(1967).	
	Revv J SJPN	6 325 76 1.5+1		. TRANSLATION OF FCY 6,(4),827(1975).	
		$^{92}\text{Zr}(p,\text{total})$ $\sigma(E)$			
3477	IJI Revv J FCY	6 827 75 1.5+1		Nemets+ CURV. DEPENDENCE ON N.	
	Revv J SJPN	6 325 76 1.5+1		. TRANSLATION OF FCY 6,(4),827(75).	
		$^{92}\text{Zr}(p,\text{elastic})^{92}\text{Zr}$ $\sigma(E)$			
3478	KLN Exth J ZP/A	293 253 79 1.4+1		Paetz Gen-Schieck+TBL.H-F FRM DIFF SIG.	
		$^{92}\text{Zr}(p,n)^{92}\text{Nb}$ partial relative $\sigma(E)$			
3479	VIR Expt J NP/A	275 313 177 4.3+0	5.3+0	Kent+ TBL. AT 4.25. 10 LEV(1.976-1.739	

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{92}\text{Zr}(p,n)^{92}\text{Nb}$ $\sigma(E)$					
3480 KTY Expt J PR/C	20	1700	N79	TR	6.7+0 Flynn+ NDG. 4PI DETECTOR. DEDUCED SF.
3481 WIT Expt P INDC(SEC)-61	077	3.0+0	8.0+0	Sellschop+ NDG. NEUTRON ANTI-DET. P.333	
$^{92}\text{Zr}(p,n)^{92}\text{Nb}$ $\sigma(E)$ factor					
3482 UEN Expt C 7710KYO	498	977	3.5+0	7.5+0	Feigel+ NDG. REDUCED SIGMA.
$^{94}\text{Zr}(p,\text{absorption})$ $\sigma(E)$					
3483 KTY Exth A BAP	24	829	979	2.0+0	6.5+0 Schriis+ NDG. OM + LANE-MODEL ANALYSIS.
3484 IJI Revv J FCY	6	827	75	1.5+1	Nemets+ TBL. FROM PR 157,1001(1967).
Revv J SUPN	6	325	76	1.5+1	. TRANSLATION OF FCY 6.(4),827(1975).
$^{94}\text{Zr}(p,\text{total})$ $\sigma(E)$					
3485 IJI Revv J FCY	6	827	75	1.5+1	Nemets+ CURV. DEPENDENCE ON N.
Revv J SUPN	6	325	76	1.5+1	. TRANSLATION OF FCY 6.(4),827(75).
$^{94}\text{Zr}(p,\text{elastic})^{94}\text{Zr}$ $\sigma(E)$					
3486 KLN Exth J ZP/A	293	253	79	1.1+1	1.3+1 Paetz Gen-Schieck+TBL.H-F FRM DIFF SIG.
$^{94}\text{Zr}(p,n)^{94}\text{Nb}$ $\sigma(E)$					
3487 KTY Expt J PR/C	20	1700	N79	TR	6.7+0 Flynn+ NDG. 4PI DETECTOR. DEDUCED SF.
Expt J IRE	26	1212	279	2.0+0	6.5+0 Gabbard+ CURV. 4PI DETECTOR. CFD THEORY
$^{94}\text{Zr}(p,n)^{94}\text{Nb}$ partial $\sigma(E)$					
3488 CCP Expt J IZV	41	1665	77	1.7+0	3.0+0 Fedorets+ CURV. 12 LVLS FRM G ANG. DIST
Expt J BAS	41	110	77	1.7+0	3.0+0 .TRANSLATION OF IZV 41(8), 1665(1977)
3489 KTY Expt A BAP	23	526	478	3.0+0	7.0+0 Hershberger+ NDG. 4PI DETECTOR. DED STR
Expt P DOE-NDC-12	98	478	3.0+0	7.0+0	Hershberger+ NDG. 4PI N DETECTOR.
Exth P U/KTY-77	47	77	2.2+0	2.5+0	Hagen+CURV.4 LEVELS.CFD HAUSER-FESHBACH
Expt A BAP	21	663	76	NDG	Hagen+ NDG. 4PI NEUTRON DETECTOR.
$^{94}\text{Zr}(p,n)^{94}\text{Nb}$ relative I_γ					
3490 CCP Expt J IZV	40	1260	76	1.7+0	3.0+0 Fedorets+ CURV. 5 GAMMA EXCITATION FUNC
Expt J BAS	40	134	76	1.7+0	3.0+0 .TRANS. OF IZV 40(16),1260(1976)
$^{94}\text{Zr}(p,n)^{94}\text{Nb}$ $\sigma(E)$ factor					
3491 UEN Expt C 7710KYO	498	977	3.5+0	7.5+0	Feigel+ NDG. REDUCED SIGMA.
$^{94}\text{Zr}(p,n)^{94}\text{Nb}$ thick target yield					
3492 CLU Exth J AND	23	177	279	3.1+0	6.0+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
Expt J AJ	205	302	76	NDG	. MORE TECHNICAL DETAILS.
Expt J AJ	193	187	074	NDG	. MORE TECHNICAL DETAILS.
Expt J AJ	188	595	374	NDG	. MORE TECHNICAL DETAILS.
$^{96}\text{Zr}(p,\text{absorption})$ $\sigma(E)$					
3493 IJI Revv J FCY	6	827	75	6.1+1	Nemets+ TBL. FROM PR/C 4,1114(1971).
Revv J SUPN	6	325	76	6.1+1	. TRANSLATION OF FCY 6.(4),827(1975).
$^{96}\text{Zr}(p,\text{total})$ $\sigma(E)$					
3494 IJI Revv J FCY	6	827	75	6.1+1	Nemets+ CURV. DEPENDENCE ON N.
Revv J SUPN	6	325	76	6.1+1	. TRANSLATION OF FCY 6.(4),827(75).
$^{96}\text{Zr}(p,\text{elastic})^{96}\text{Zr}$ $\sigma(E)$					
3495 KLN Exth J ZP/A	293	253	79	1.3+1	Paetz Gen-Schieck+TBL.H-F FRM DIFF SIG.
$^{96}\text{Zr}(p,2n)^{95}\text{Nb}$ including metastable $\sigma(E)$					
3496 KFK Comp B PH-DAT	15	1	079	4.0+2	Muenzel+ TBL. FROM EXFOR.
3497 PUP Expt J NP/A	162	643	71	4.0+2	Church. TBL. ^{96}Zr -OXI PELLET.
Expt J PR	178	1732	269	4.0+2	Church+ SUPERCEDED BY NP/A 162,643(71).
Expt 4 EXFORB0024.021	77	4.0+2			. (4.45+-0.61)MB.
$^{96}\text{Zr}(p,2n)^{95}\text{Nb}$ $\sigma(E)$					
3498 KFK Comp B PH-DAT	15	1	079	4.0+2	Muenzel+ TBL. FROM EXFOR.
3499 PUP Expt J NP/A	162	643	71	4.0+2	Church. TBL. ^{96}Zr -OXI PELLET.
Expt J PR	178	1732	269	4.0+2	Church+ SUPERCEDED BY NP/A 162,643(71).
Expt 4 EXFORB0024.021	77	4.0+2			. (1.06+-0.18)MB.
$^{96}\text{Zr}(p,2n)^{95}\text{Nb}$ ratio $\sigma(E)$					
3500 PUP Expt J NP/A	162	643	71	4.0+2	Church. $T_{1/2}=90$ H. (3.2+-0.8).

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		Type				
			⁹⁶ Zr(p,n) ⁹⁶ Nb σ(E)			
3501	WIT	Expt P	INDC(SEC)-61	077	3.0+0	8.0+0 Selischep+ NDG. NEUTRON ANTI-DET. P.333
3502	KFK	Comp B	PH-DAT 15	1	079	4.0+2 Muenzel+ TBL. FROM EXFOR.
3503	PUP	Expt J	PR 178	1732	269	4.0+2 Church+ TBL. 96ZR-OXI PELLET.
		Expt 4	EXFORB0024.020	77	4.0+2	. (0.76+-0.12)MB.
			⁹⁶ Zr(p,n) ⁹⁶ Nb σ(E)×factor			
3504	UEN	Expt C	77TOKYO	498	977	3.5+0 7.5+0 Feigel+ CURV. REDUCED SIGMA.
			⁹⁶ Zr(p,n) ⁹⁶ Nb thick target yield			
3505	CLU	Exth J	AND 23	177	279	3.1+0 6.0+0 Roughlon+ TBL.
		Expt J	AJ 205	302	76	NDG . MORE TECHNICAL DETAILS.
		Expt J	AJ 193	187	074	NDG . MORE TECHNICAL DETAILS.
		Expt J	AJ 188	595	374	NDG . MORE TECHNICAL DETAILS.
			⁹³ Nb(p,absorption) σ(E)			
3506	IJI	Revw J	FCY 6	827	75	1.0+1 9.9+1 Nemets+ TBL.
		Revw J	SJPN 6	325	76	1.0+1 9.9+1 . TRANSLATION OF FCY 6.(4).827(1975).
			⁹³ Nb(p,total) σ(E)×factor			
3507	ORL	Expt J	PR/C 20	2052	079	2.1+0 6.0+0 Johnson+ CURV. REDUCED SIGMAS.
		Exth J	PRL 39	1604	077	2.5+0 7.0+0 Johnson+ CURV. REDUCED SIGMAS.
			⁹³ Nb(p,x)γ thick target yield			
3508	CCP	Expt R	YK- 21	73	76	1.2+1 2.3+1 Matusevich+ CURV. TBL. THETA = 0 DEG.
		Expt R	INDC(CCP)-103	577	1.2+1	2.3+1 .TRANSLATION OF T. OF C.(YK 21,73(1976)
			⁹³ Nb(p,x) ³ H average σ(E)			
3509	KFK	Expt P	NEANDC(E)-1925	478	TR	2.5+1 Merkel+ NDG. FRM TTY P 68.
			⁹³ Nb(p,x) ³ H product yield			
3510	KFK	Expt P	NEANDC(E)-1925	478	TR	2.5+1 Merkel+ NDG. FRM TTY P 68.
			⁹³ Nb(p,x) ⁹⁸ Nb product yield			
3511	LVP	Expt J	JIN 26	1481	64	3.4+2 Butement+ NDG. RADIOCHEM.
			⁹³ Nb(p,x) ⁹⁸ Nb product yield			
3512	LVP	Expt J	JIN 26	1481	64	3.4+2 Butement+ NDG. RADIOCHEM.
			⁹³ Nb(p,x) ⁹⁸ Nb product yield			
3513	LVP	Expt J	JIN 26	1481	64	3.4+2 Butement+ NDG. RADIOCHEM.
			⁹³ Nb(p,x) ⁹⁰ Nb product yield			
3514	LVP	Expt J	JIN 26	1481	64	3.4+2 Butement+ NDG. RADIOCHEM.
			⁹³ Nb(p,x) ⁹⁸ Mo product yield			
3515	LVP	Expt J	JIN 26	1491	64	3.4+2 Butement+ NDG. RADIOCHEM.
			⁹³ Nb(p,n) ⁹³ Mo partial σ(E)×factor			
3516	CCP	Theo J	YF 28	957	078	NDG Guzhovskii.TBL.ANAL. FINCKH DATA.331AR.
		Theo J	SNP 28	490	078	NDG . TRANSLATION OF YF 28. 957(1978).
			⁹³ Nb(p,n) ⁹³ Mo σ(E)			
3517	KFK	Comp B	PH-DAT 15	2	079	1.3+0 2.1+0 Muenzel+ TBL. FROM EXFOR.
3518	ORL	Expt J	PR 109	1243	58	1.3+0 2.1+0 Johnson+CURV.THICK NAT NB TGT. DIFF TTY
		Expt 4	EXFORB0046.013	77	1.3+0	2.1+0 . 21 DATA POINTS.
3519	ORL	Expt J	PR/C 20	2052	079	2.0+0 5.5+0 Johnson+ TBL. CURV. SMOOTHED DATA.
		Expt J	PR/C 20	2052	079	1.8+0 5.5+0 Johnson+ CURV. FROM TTY. 2 PREV. WORKS.
			⁹³ Nb(p,n) ⁹³ Mo thick target yield			
3520	ORL	Expt J	PR 109	1243	58	1.3+0 2.1+0 Johnson+ NDG.
			⁹³ Nb(p,n) ⁹³ Mo σ(E)×factor			
3521	ORL	Expt J	PR/B 136	1719	D64	1.8+0 4.8+0 Johnson+ CURV. RATIO TO BLACK NUCLEUS.
3522	ORL	Expt J	PR/C 20	2052	079	2.1+0 6.0+0 Johnson+ CURV. REDUCED SIGMAS.
		Exth J	PRL 39	1604	077	2.5+0 7.0+0 Johnson+ CURV. REDUCED SIGMAS.
			⁹³ Nb(p,n) ⁹³ Mo raw I _γ			
3523	OSA	Expt J	JAP 15	861	576	3.0+0 8.0+0 Takahashi+ CURV. FOUR GAMMAS.
		Expt J	JAP 15	861	576	5.8+0 6.2+0 Takahashi+ CURV. 14 G'S. STUDIED RES.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{93}\text{Nb}(p,n)^{93}\text{Mo}$ average $\sigma(E)$						
3524	ORL	Expt J	PR/B 136	1719	064	1.3+0 1.5+0 Johnson+ CURV. FROM 1958 MEASUREMENT.
$^{93}\text{Nb}(p,n)^{93}\text{Mo}$ relative $\sigma(E)$						
3525	ORL	Expt J	PR/B 136	1719	064	1.5+0 4.9+0 Johnson+ CURV. FROM 1953-1960 MEAS.
$^{93}\text{Nb}(p,n)^{93}\text{Mo}$ $\sigma(E)$						
3526	CCP	Revw J	AE 42	311	77	8.0+0 1.1+1 Zolotokin+ TBL. ACTIVATION.
		Revw J	SJA 42	344	077	8.0+0 1.1+1 . TRANSLATION OF AE 42(4), 311(1977).
$^{93}\text{Nb}(p,n)^{93}\text{Mo}$ summation $\sigma(E)$						
3527	ORL	Expt P	ORNL-2910	25	60	TR 5.0+0 Johnson+ CURV. THICKER TRGT. 4PI DETECT
		Expt P	ORNL-2501	29	58	TR 5.0+0 Johnson+ EXPT. DETAILS.
		Expt 4	EXFORB0058.022	678	1.6+0	5.0+0 . 16 DATA POINTS.
3528	KFK	Comp B	PH-DAT 15	2	079	1.6+0 5.0+0 Muenzel+ TBL. FROM EXFOR.
3529	LRL	Expt J	PR 115	925	59	4.0+0 5.5+0 Albert. CURV.
		Expt W	TO ORNL-CPX	64	3.6+0	4.0+0 Albert.
		Expt 4	EXFORB0093.014	579	3.6+0	8.1+0 . 7 DATA POINTS.
$^{93}\text{Nb}(p,x)$ isotopic distribution raw $\sigma(E)$						
3530	GRE	Expt P	ISN-77-01	27	76	NDG Carraz+ CURV. Z=37. A=74-87.
$^{93}\text{Nb}(p,x)$ isotopic distribution $\sigma(E)$						
3531	BNL	Theo C	77BNL	491	77	9.0+1 Divadeenam. CURV. X=2-6 GDH+PREEQUILIBRIU
$^{93}\text{Nb}(p,xn+3p)$ isotopic distribution $\sigma(E)$ * factor						
3532	BNL	Theo C	77BNL	491	77	9.0+1 Divadeenam. CURV. (N,2PYN)/(P,3P(Y-1)N)
$\text{Mo}(p, \text{absorption})$ $\sigma(E)$						
3533	IJL	Revw J	FCY 6	827	75	1.0+1 9.9+1 Nemets+ TBL.
		Revw J	SJPN 6	325	76	1.0+1 9.9+1 . TRANSLATION OF FCY 6,(4),827(1975).
$\text{Mo}(p, \text{inelastic})$ compound-nucleus product yield						
3534	RUT	Exth A	DA/B 38	758	877	NDG Kanters. NDG. EXTR. CN ELAS. SIG FRM T
$\text{Mo}(p, \text{elastic})$ compound-nucleus product yield						
3535	RUT	Exth A	DA/B 38	758	877	NDG Kanters. NDG. EXTR. CN ELAS. SIG FRM T
$\text{Mo}(p,x)n$ $\sigma(E)$						
3536	LRL	Expt J	PR 115	925	59	4.0+0 5.5+0 Albert. CURV.
		Expt W	TO ORNL-CPX	64	3.6+0	4.0+0 Albert.
		Expt 4	EXFORB0093.015	579	3.6+0	8.1+0 . 7 DATA POINTS.
$\text{Mo}(p,x)^{98}\text{Nb}$ product yield						
3537	LVP	Expt J	JIN 26	1481	64	3.4+2 Bulement+ NDG. RADIOCHEM.
$\text{Mo}(p,x)^{99}\text{Nb}$ product yield						
3538	LVP	Expt J	JIN 26	1481	64	3.4+2 Bulement+ NDG. RADIOCHEM.
$\text{Mo}(p,x)^{99}\text{Nb}$ product yield						
3539	LVP	Expt J	JIN 26	1481	64	3.4+2 Bulement+ NDG. RADIOCHEM.
$\text{Mo}(p,x)^{90}\text{Nb}$ product yield						
3540	LVP	Expt J	JIN 26	1481	64	3.4+2 Bulement+ NDG. RADIOCHEM.
$\text{Mo}(p,x)^{98}\text{Mo}$ product yield						
3541	LVP	Expt J	JIN 26	1491	64	3.4+2 Bulement+ NDG. RADIOCHEM.
$\text{Mo}(p,x)^{99}\text{Mo}$ product yield						
3542	LVP	Expt J	JIN 26	1491	64	3.4+2 Bulement+ NDG. RADIOCHEM.
$\text{Mo}(p,x)^{95}\text{Tc}$ $\sigma(E)$						
3543	CCP	Revw J	AE 42	311	77	8.0+0 1.1+1 Zolotokin+ TBL. ACTIVATION.
		Revw J	SJA 42	344	077	8.0+0 1.1+1 . TRANSLATION OF AE 42(4), 311(1977).
$\text{Mo}(p,x)^{95}\text{Tc}$ thick target yield						
3544	FEI	Expt J	AE 40	66	76	1.1+1 2.2+1 Dmitriev+ CURV. (14.6+-1.8)C1/A-H MAX.
		Expt J	SJA 40	75	76	1.1+1 2.2+1 . TRANSLATION OF AE 40(1), 66(76).
		Expt 4	EXFORA0009.002	478	1.1+1	2.2+1 . 6 DATA POINTS.

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
Mo(p,x)⁹⁸Tc $\sigma(E)$				
3545 CCP Revw J AE	42	311	77 8.0+0	1.1+1 Zolotokina+ TBL. ACTIVATION.
Revw J SJA	42	344	077 8.0+0	1.1+1 . TRANSLATION OF AE 42(4), 311(1977).
Mo(p,x)⁹⁸Tc including metastable thick target yield				
3546 FEI Expt J AE	40	66	76 1.1+1	2.2+1 Dmitriev+ CURV. (527+-63)C1/A-H MAX.
Expt J SJA	40	75	76 1.1+1	2.2+1 . TRANSLATION OF AE 40(1), 66(76).
Expt 4 EXFORA0009.003	478	1.1+1	2.2+1	. 6 DATA POINTS.
Mo(p,x)^{97m}Tc thick target yield				
3547 FEI Expt J AE	40	66	76 1.1+1	2.2+1 Dmitriev+ CURV. (10.5+-1.3)C1/A-H MAX.
Expt J SJA	40	75	76 1.1+1	2.2+1 . TRANSLATION OF AE 40(1), 66(76).
Expt 4 EXFORA0009.004	478	1.1+1	2.2+1	. 6 DATA POINTS.
Mo(p,x)Isotopic distribution spallation product yield				
3548 LVP Expt J JIN	28	666	66 3.4+2	Qaim. NDG. RADIOCHEM.
⁹²Mo(p,inelastic)⁹²Mo product yield				
3549 ATH Expt P NEANDC(OR)1147		75	7.0+0	8.5+0 Papadopoulos+ NDG. P. 15.
⁹²Mo(p,y)^{93g}Tc thick target yield				
3550 CLU Exth J AND	23	177	279 1.6+0	5.0+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
Expt J AJ	205	302	76 1.6+0	5.0+0 Roughton+ NDG. ALSO STELLAR REACT. RATE
Expt C 75WASH	1	69	375 1.8+0	5.1+0 Roughton+ CURV. ALSO STELLAR REACT. RATE
Expt J AJ	193	187	074 NDG	. MORE TECHNICAL DETAILS.
Expt J AJ	188	595	374 NDG	. MORE TECHNICAL DETAILS.
⁹²Mo(p,y)^{93g}Tc $\sigma(E)$				
3551 CLU Expt J AJ	205	302	76 1.6+0	5.0+0 Roughton+ TBL. COEFF. FROM FIT TO TTY.
Expt C 75WASH	1	69	375 NDG	. MORE TECHNICAL DETAILS.
⁹²Mo(p,y)^{93m}Tc thick target yield				
3552 CLU Exth J AND	23	177	279 1.6+0	5.0+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
Expt J AJ	205	302	76 1.5+0	5.0+0 Roughton+ CURV. ALSO STELLAR REACT. RATE
Expt J ANE	2	503	775 NDG	. MORE TECHNICAL DETAILS.
Expt C 75WASH	1	69	375 1.6+0	5.0+0 Roughton+ NDG. ALSO STELLAR REACT. RATE.
Expt J AJ	193	187	074 NDG	. MORE TECHNICAL DETAILS.
Expt J AJ	188	595	374 NDG	. MORE TECHNICAL DETAILS.
⁹²Mo(p,y)^{93m}Tc $\sigma(E)$				
3553 CLU Expt J AJ	205	302	76 1.5+0	5.1+0 Roughton+ TBL. COEFF. FROM FIT TO TTY.
Expt C 75WASH	1	69	375 1.5+0	5.1+0 . SUPERSEDED BY AJ 205, 302(1976).
⁹⁴Mo(p,n)⁹⁴Tc $\sigma(E)$				
3554 KTY Expt J PR/C	20	1700	N79 TR	6.7+0 Flynn+ NDG. 4PI DETECTOR. DEDUCED SF.
⁹⁵Mo(p,n)⁹⁵Tc $\sigma(E)$				
3555 KTY Expt J PR/C	20	1700	N79 TR	6.7+0 Flynn+ NDG. 4PI DETECTOR. DEDUCED SF.
3556 CLU Expt C 75WASH	1	69	375 2.4+0	5.3+0 Roughton+ TBL. COEFF. FROM FIT TO TTY.
3557 MIN Expt W ANNUAL REPT	28	77	1.5+1	Fitzgerald+ (6.0+-0.7)MB. FROM DIFF SIG
⁹⁵Mo(p,n)^{95g}Tc thick target yield				
3558 CLU Exth J AND	23	177	279 3.1+0	4.7+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
Expt J AJ	205	302	76 3.1+0	4.7+0 Roughton+ NDG. ALSO STELLAR REACT. RATE
Expt C 75WASH	1	69	375 3.1+0	4.7+0 Roughton+ NDG. ALSO STELLAR REACT. RATE.
Expt J AJ	193	187	074 NDG	. MORE TECHNICAL DETAILS.
Expt J AJ	188	595	374 NDG	. MORE TECHNICAL DETAILS.
⁹⁵Mo(p,n)^{95m}Tc thick target yield				
3559 CLU Exth J AND	23	177	279 3.3+0	4.5+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
Expt J AJ	205	302	76 3.3+0	4.5+0 Roughton+ NDG. ALSO STELLAR REACT. RATE
Expt C 75WASH	1	69	375 3.3+0	4.5+0 Roughton+ NDG. ALSO STELLAR REACT. RATE.
Expt J AJ	193	187	074 NDG	. MORE TECHNICAL DETAILS.
Expt J AJ	188	595	374 NDG	. MORE TECHNICAL DETAILS.
⁹⁵Mo(p,y)^{96g}Tc thick target yield				
3560 CLU Exth J AND	23	177	279 1.8+0	4.5+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
Expt J AJ	205	302	76 1.6+0	4.5+0 Roughton+ CURV+ NO CORR. FOR ISOT. ABUN
Expt J ANE	2	503	775 NDG	. MORE TECHNICAL DETAILS.
Expt C 75WASH	1	69	375 1.8+0	4.5+0 Roughton+ NDG. ALSO STELLAR REACT. RATE.
Expt J AJ	193	187	074 NDG	. MORE TECHNICAL DETAILS.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{95}\text{Mo}(p,\gamma)^{96}\text{Tc}$ thick target yield							
3560	CLU	Expt J AJ	188	595	374	NDG	MORE TECHNICAL DETAILS.
$^{95}\text{Mo}(p,\gamma)^{96}\text{Tc}$ $\sigma(E)$							
3561	CLU	Expt J AJ	205	302	76	1.6+0 4.5+0	Roughlon+ TBL. COEFF. FROM FIT TO TTY.
		Expt C 75WASH	1	69	375	1.8+0 4.5+0	SUPERSEDED BY AJ 205, 302(1976).
$^{95}\text{Mo}(p,\gamma)^{96}\text{Tc}$ thick target yield							
3562	CLU	Exth J AND	23	177	279	2.3+0 3.4+0	Roughlon+ TBL. ALSO STELLAR REACT. RATE
		Expt J AJ	205	302	76	2.3+0 3.4+0	Roughlon+ NDG. ALSO STELLAR REACT. RATE
		Expt C 75WASH	1	69	375	2.3+0 3.4+0	Roughlon+ NDG. ALSO STELLAR REACT. RATE.
		Expt J AJ	193	187	074	NDG	MORE TECHNICAL DETAILS.
		Expt J AJ	188	595	374	NDG	MORE TECHNICAL DETAILS.
$^{95}\text{Mo}(p,\gamma)^{96}\text{Tc}$ $\sigma(E)$							
3563	CLU	Expt J AJ	205	302	76	2.3+0 3.4+0	Roughlon+ TBL. COEFF. FROM FIT TO TTY.
		Expt C 75WASH	1	69	375	NDG	MORE TECHNICAL DETAILS.
$^{96}\text{Mo}(p,4n)^{93}\text{Tc}$ $\sigma(E)$							
3564	MCG	Theo J JIN	38	1581	76	3.1+1 8.0+1	Brodevitch+ CURV. PREEQUILIBRIUM MODEL.
$^{96}\text{Mo}(p,4n)^{93}\text{Tc}$ $\sigma(E)$							
3565	KFK	Comp B PH-DAT	15	1	079	3.0+1 6.5+1	Muenzel+ TBL. FROM EXFOR.
3566	MCG	Expt J JIN	35	705	73	3.0+1 6.5+1	Hogan. TBL. CURV. ACTIVATION.
		Expt 4 EXFORB0025.005		77	3.0+1 6.5+1		6 ENTRIES.
$^{96}\text{Mo}(p,4n)^{93}\text{Tc}$ $\sigma(E)$							
3567	KFK	Comp B PH-DAT	15	1	079	3.0+1 6.5+1	Muenzel+ TBL. FROM EXFOR.
3568	MCG	Expt J JIN	35	705	73	3.0+1 6.5+1	Hogan. TBL. CURV. ACTIVATION.
		Expt 4 EXFORB0025.005		77	3.0+1 6.5+1		6 ENTRIES.
$^{96}\text{Mo}(p,4n)^{93}\text{Tc}$ summation $\sigma(E)$							
3569	KFK	Comp B PH-DAT	15	1	079	3.0+1 8.0+1	Muenzel+ TBL. FROM EXFOR.
3570	MCG	Expt J JIN	35	1429	73	3.0+1 8.0+1	Hogan. TBL. DEDUCED.
		Expt J PR/C	6	810	72	3.0+1 8.0+1	Hogan. TBL. CURV.
		Expt 4 EXFORB0025.002		578	3.0+1 8.0+1		7 DATA POINTS.
$^{96}\text{Mo}(p,4n)^{93}\text{Tc}$ ratio $\sigma(E)$							
3571	MCG	Expt J JIN	35	705	73	3.0+1 6.5+1	Hogan. TBL. CURV. DEDUCED.
$^{96}\text{Mo}(p,3n)^{94}\text{Tc}$ $\sigma(E)$							
3572	MCG	Theo J JIN	38	1581	76	2.0+1 8.0+1	Brodevitch+ CURV. PREEQUILIBRIUM MODEL.
$^{96}\text{Mo}(p,3n)^{94}\text{Tc}$ $\sigma(E)$							
3573	KFK	Comp B PH-DAT	15	1	079	2.0+1 6.5+1	Muenzel+ TBL. FROM EXFOR.
3574	MCG	Expt J JIN	35	705	73	2.0+1 6.5+1	Hogan. TBL. CURV. ACTIVATION.
		Expt 4 EXFORB0025.004		77	2.0+1 6.5+1		8 ENTRIES.
$^{96}\text{Mo}(p,3n)^{94}\text{Tc}$ $\sigma(E)$							
3575	KFK	Comp B PH-DAT	15	1	079	2.0+1 6.5+1	Muenzel+ TBL. FROM EXFOR.
3576	MCG	Expt J JIN	35	705	73	2.0+1 6.5+1	Hogan. TBL. CURV. ACTIVATION.
		Expt 4 EXFORB0025.004		77	2.0+1 6.5+1		8 ENTRIES.
$^{96}\text{Mo}(p,3n)^{94}\text{Tc}$ summation $\sigma(E)$							
3577	KFK	Comp B PH-DAT	15	1	079	2.0+1 8.0+1	Muenzel+ TBL. FROM EXFOR.
3578	MCG	Expt J JIN	35	1429	73	2.0+1 8.0+1	Hogan. TBL. CURV. DEDUCED.
		Expt J PR/C	6	810	72	2.0+1 8.0+1	Hogan. TBL. CURV.
		Expt 4 EXFORB0025.002		578	2.0+1 8.0+1		9 DATA POINTS.
$^{96}\text{Mo}(p,3n)^{94}\text{Tc}$ ratio $\sigma(E)$							
3579	MCG	Expt J JIN	35	705	73	2.0+1 6.5+1	Hogan. TBL. CURV. DEDUCED.
$^{96}\text{Mo}(p,2n)^{95}\text{Tc}$ $\sigma(E)$							
3580	MCG	Theo J JIN	38	1581	76	1.2+1 8.0+1	Brodevitch+ CURV. PREEQUILIBRIUM MODEL.
$^{96}\text{Mo}(p,2n)^{95}\text{Tc}$ $\sigma(E)$							
3581	KFK	Comp B PH-DAT	15	1	079	1.5+1 6.5+1	Muenzel+ TBL. FROM EXFOR.
3582	MCG	Expt J JIN	35	705	73	1.5+1 6.5+1	Hogan. TBL. CURV. ACTIVATION.
		Expt 4 EXFORB0025.003		77	1.5+1 6.5+1		9 DATA POINTS.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
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$^{96}\text{Mo}(p,2n)^{95}\text{Tc}$ $\sigma(E)$							
3583	KFK	Comp B PH-DAT	15 1 079	1.5+1	6.5+1	Muenzel+	TBL. FROM EXFOR.
3584	MCG	Expt J JIN	35 705 73	1.5+1	6.5+1	Hogan.	TBL. CURV. ACTIVATION.
		Expt 4 EXFORB0025.003	77	1.5+1	6.5+1		. 9 DATA POINTS.
$^{96}\text{Mo}(p,2n)^{95}\text{Tc}$ summation $\sigma(E)$							
3585	KFK	Comp B PH-DAT	15 1 079	1.5+1	8.0+1	Muenzel+	TBL. FROM EXFOR.
3586	MCG	Expt J JIN	35 1429 73	1.5+1	8.0+1	Hogan.	TBL. CURV. DEDUCED.
		Expt J PR/C	6 810 72	1.5+1	8.0+1	Hogan.	TBL. CURV.
		Expt 4 EXFORB0025.002	578	1.5+1	8.0+1		. 10 DATA POINTS.
$^{96}\text{Mo}(p,2n)^{95}\text{Tc}$ ratio $\sigma(E)$							
3587	MCG	Expt J JIN	35 705 73	1.5+1	6.5+1	Hogan.	TBL. CURV. DEDUCED.
$^{98}\text{Mo}(p,n)^{98}\text{Tc}$ $\sigma(E)$							
3588	KTY	Expt J PR/C	20 1700 N79 TR	6.7+0	Flynn+	NDG. 4PI DETECTOR. DEDUCED SF.	
3589	MCG	Theo J JIN	38 1581 76	3.0+0	8.2+1	Brodovitch+	CURV. PREEQUILIBRIUM MODEL.
$^{98}\text{Mo}(p,n)^{98}\text{Tc}$ $\sigma(E)$							
3590	KFK	Comp B PH-DAT	15 1 079	1.0+1	6.5+1	Muenzel+	TBL. FROM EXFOR.
3591	MCG	Expt J JIN	35 1429 73	1.0+1	6.5+1	Hogan.	TBL. CURV. ACTIVATION.
		Expt 4 EXFORB0025.002	77	1.0+1	6.5+1		. 10 DATA POINTS.
$^{98}\text{Mo}(p,n)^{98}\text{Tc}$ thick target yield							
3592	CLU	Ext h J AND	23 177 279	3.8+0	5.0+0	Roughlon+	TBL. ALSO STELLAR REACT. RATE
		Expt J AJ	205 302 76	TR	5.0+0	Roughlon+	CURV+ NO CORR. FOR ISOT. ABUN
		Expt J ANE	2 503 775	NDG			. MORE TECHNICAL DETAILS.
		Expt C 75WASH	1 69 375	3.8+0	5.0+0	Roughlon+	NDG. ALSO STELLAR REAC. RATE.
		Expt J AJ	193 187 074	NDG			. MORE TECHNICAL DETAILS.
		Expt J AJ	188 595 374	NDG			. MORE TECHNICAL DETAILS.
$^{98}\text{Mo}(p,n)^{98}\text{Tc}$ $\sigma(E)$							
3593	KFK	Comp B PH-DAT	15 1 079	1.0+1	6.5+1	Muenzel+	TBL. FROM EXFOR.
3594	MCG	Expt J JIN	35 1429 73	1.0+1	6.5+1	Hogan.	TBL. CURV. ACTIVATION.
		Expt 4 EXFORB0025.002	77	1.0+1	6.5+1		. 10 DATA POINTS.
$^{98}\text{Mo}(p,n)^{98}\text{Tc}$ thick target yield							
3595	CLU	Ext h J AND	23 177 279	3.8+0	5.0+0	Roughlon+	TBL. ALSO STELLAR REACT. RATE
		Expt J AJ	205 302 76	3.8+0	5.0+0	Roughlon+	NDG. ALSO STELLAR REACT. RATE
		Expt C 75WASH	1 69 375	3.8+0	5.0+0	Roughlon+	NDG. ALSO STELLAR REAC. RATE.
		Expt J AJ	193 187 074	NDG			. MORE TECHNICAL DETAILS.
		Expt J AJ	188 595 374	NDG			. MORE TECHNICAL DETAILS.
$^{98}\text{Mo}(p,n)^{98}\text{Tc}$ summation $\sigma(E)$							
3596	KFK	Comp B PH-DAT	15 1 079	1.0+1	8.0+1	Muenzel+	TBL. FROM EXFOR.
3597	MCG	Expt J JIN	35 1429 73	1.0+1	8.0+1	Hogan.	TBL. CURV. DEDUCED.
		Expt J PR/C	6 810 72	1.0+1	8.0+1	Hogan.	TBL. CURV.
		Expt 4 EXFORB0025.002	578	1.0+1	8.0+1		. 10 DATA POINTS.
$^{98}\text{Mo}(p,n)^{98}\text{Tc}$ ratio $\sigma(E)$							
3598	MCG	Expt J JIN	35 1429 73	1.0+1	6.5+1	Hogan.	TBL. CURV. DEDUCED.
$^{97}\text{Mo}(p,n)^{97}\text{Tc}$ partial relative $\sigma(E)$ x abundance							
3599	ATH	Expt J PR/C	20 145 779	1.5+0	8.0+0	Xenoulis+	CURV. 3 GAMMAS.
$^{98}\text{Mo}(p,n)^{98}\text{Tc}$ raw I_γ							
3600	KTY	Expt J PR/C	16 111 777	TR	3.1+0	Miracle+	CURV. 4 GAMMAS.
$^{98}\text{Mo}(p,n)^{98}\text{Tc}$ $\sigma(E)$							
3601	KTY	Expt J PR/C	20 1700 N79 TR	6.7+0	Flynn+	CURV. 4PI DETECTOR. DEDUCED SF.	
$^{98}\text{Mo}(p,\gamma)^{99}\text{Tc}$ $\sigma(E)$							
3602	CLU	Expt C 75WASH	1 69 375	1.4+0	5.3+0	Roughlon+	TBL. COEFF. FROM FIT TO TTY.
$^{98}\text{Mo}(p,\gamma)^{99}\text{Tc}$ thick target yield							
3603	CLU	Ext h J AND	23 177 279	1.6+0	4.7+0	Roughlon+	TBL. ALSO STELLAR REACT. RATE
		Expt J AJ	205 302 76	1.6+0	4.7+0	Roughlon+	NDG. ALSO STELLAR REACT. RATE
		Expt C 75WASH	1 69 375	1.6+0	4.7+0	Roughlon+	NDG. ALSO STELLAR REAC. RATE.
		Expt J AJ	193 187 074	NDG			. MORE TECHNICAL DETAILS.
		Expt J AJ	188 595 374	NDG			. MORE TECHNICAL DETAILS.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{98}\text{Mo}(p,\gamma)^{99}\text{Tc}$ $\sigma(E)$				
3604 CLU Expt J AJ	205	302	76 1.6+0	4.7+0 Roughton+ TBL. COEFF. FROM FIT TO TTY.
Expt C 75WASH	1	69	375 NDG	. MORE TECHNICAL DETAILS.
$^{100}\text{Mo}(p,\gamma)^{101}\text{Tc}$ $\sigma(E)$				
3605 CLU Expt J AJ	205	302	76 1.9+0	5.0+0 Roughton+ TBL. COEFF. FROM FIT TO TTY.
Expt C 75WASH	1	69	375 1.9+0	5.0+0 . SUPERSEDED BY AJ 205, 302(1976).
3606 GOE Expt J ZP/A	291	377	79 2.0+1	Kantus+ TBL. REV. OF MAX SIG. CFD. CALC
$^{100}\text{Mo}(p,\gamma)^{101}\text{Tc}$ thick target yield				
3607 CLU Exth J AND	23	177	279 1.9+0	5.0+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
Expt J AJ	205	302	76 1.9+0	5.0+0 Roughton+ NDG. ALSO STELLAR REACT. RATE
Expt C 75WASH	1	69	375 1.9+0	5.0+0 Roughton+ NDG. ALSO STELLAR REACT. RATE.
Expt J AJ	193	187	074 NDG	. MORE TECHNICAL DETAILS.
Expt J AJ	188	595	374 NDG	. MORE TECHNICAL DETAILS.
$^{99}\text{Ru}(p,n)^{99}\text{Rh}$ $\sigma(E)$				
3608 KFK Comp B PH-DAT	15	2	074 1.2+1	Muenzel+ TBL. FROM EXFOR.
3609 ORL Expt J PR	100	1340	055 1.2+1	Blosser+ TBL. CURV. T1/2=4.5 HR.
Expt 4 EXFORB0052.014		77	1.2+1	. (420+-120)MB.
$^{101}\text{Ru}(p,n)^{101}\text{Rh}$ $\sigma(E)$				
3610 KFK Comp B PH-DAT	15	2	079 1.2+1	Muenzel+ TBL. FROM EXFOR.
3611 ORL Expt J PR	100	1340	055 1.2+1	Blosser+ TBL. CURV. T1/2=4.5 DAY.
Expt 4 EXFORB0052.015		77	1.2+1	. (365+-100)MB.
$^{103}\text{Rh}(p,x)$ compound-nucleus $\sigma(E)$				
3612 LRL Expt J PR	128	291	062 5.0+0	1.2+1 Hansen+ CURV. OPTICAL MODEL.
$^{103}\text{Rh}(p,\text{absorption})$ $\sigma(E)$				
3613 IJI Revv J FCY	6	827	75 1.0+1	Nemets+ TBL. FROM PR 129,2198(1963).
Revv J SJPN	6	325	76 1.0+1	. TRANSLATION OF FCY 6,(4),827(1975).
$^{103}\text{Rh}(p,\text{total})$ $\sigma(E)$ =factor				
3614 ORL Expt J PR/C	20	2052	079 2.5+0	6.5+0 Johnson+ CURV. REDUCED SIGMAS.
Exth J PRL	39	1604	077 2.5+0	7.0+0 Johnson+ CURV. REDUCED SIGMAS.
$^{103}\text{Rh}(p,3n)^{101}\text{Pd}$ product yield				
3615 DAV Expt A ANS	33	224	N79 5.0+1	Lagunas-Solar+ TBL. REVIEW OF PROGRAM.
$^{103}\text{Rh}(p,2n)^{102}\text{Pd}$ $\sigma(E)$				
3616 TOK Expt J NP	74	81	65 1.4+1	Sakai+ TBL. DEDUCED FRM 2+-0+ TRANS.
$^{103}\text{Rh}(p,n)^{103}\text{Pd}$ $\sigma(E)$				
3617 ORL Expt P ORNL-2910	25	60	TR	5.7+0 Johnson+ CURV. THICKER TRGT. 4PI DETECT
Expt P ORNL-2501	29	58	TR	5.7+0 Johnson+ EXPT. DETAILS.
Expt 4 EXFORB0068.023		678	2.3+0	5.7+0 . 27 DATA POINTS.
3618 KFK Comp B PH-DAT	15	2	079 2.3+0	1.0+1 Muenzel+ TBL. FROM EXFOR.
3619 ORL Expt J PR/C	20	2052	079 2.5+0	6.0+0 Johnson+ TBL. CURV. SMOOTHED DATA.
Expt J PR/C	20	2052	079 2.5+0	5.6+0 Johnson+ CURV. FROM TTY+SIG.3 PREV. WRK
3620 LRL Expt J PR	115	925	59 4.0+0	5.5+0 Albert. CURV.
Expt W TO ORNL-CPX		64	3.6+0	4.0+0 Albert.
Expt 4 EXFORB0093.016		579	3.6+0	8.1+0 . 7 DATA POINTS.
3621 LRL Expt J PR	128	291	062 5.0+0	1.0+1 Hansen+ CURV. LONG COUNTER. CFD. THEORY
Expt 4 EXFORB0066.006		678	5.0+0	1.0+1 . 6 DATA POINTS.
$^{103}\text{Rh}(p,n)^{103}\text{Pd}$ $\sigma(E)$ =factor				
3622 ORL Exth J PRL	39	1604	077 2.5+0	7.0+0 Johnson+ CURV. REDUCED SIGMAS.
3623 ORL Expt J PR/C	20	2052	079 2.5+0	6.5+0 Johnson+ CURV. REDUCED SIGMAS.
$\text{Pd}(p,\text{absorption})$ $\sigma(E)$				
3624 IJI Revv J FCY	6	827	75 9.9+1	Nemets+ TBL. FROM CJP 44,1847(1966).
Revv J SJPN	6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).
$\text{Pd}(p,x)n$ $\sigma(E)$				
3625 ORL Expt J PR/C	20	2052	079 2.0+0	5.6+0 Johnson+ CURV. RATIO TO SMOOTH. 2 REF
3626 LRL Expt J PRL	115	925	59 4.0+0	5.5+0 Albert. CURV.
Expt W TO ORNL-CPX		64	3.6+0	4.0+0 Albert.
Expt 4 EXFORB0093.017		579	3.6+0	8.1+0 . 6 DATA POINTS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
Pd(p,x) ¹⁰¹ Rh cumulative thick target yield						
3627	DAV Expt A JLCR	16	229	79 4.0+1	6.5+1	Lagunas-Solar+ TBL. CURV.
Pd(p,x) ¹⁰¹ Rh cumulative product yield						
3628	DAV Expt A JLCR	16	229	79 6.3+1		Lagunas-Solar+ 0.9MCI/MUAH AT 33.7H EOB
Pd(p,x) ¹⁰¹ Pd cumulative thick target yield						
3629	DAV Expt A JLCR	16	229	79 4.0+1	6.5+1	Lagunas-Solar+ TBL. CURV.
Pd(p,x) ¹⁰¹ Ag product yield						
3630	DAV Expt A ANS	33	224	N79 6.6+1		Lagunas-Solar+ TBL. REVIEW OF PROGRAM.
¹⁰² Pd(p,y) ¹⁰³ Ag thick target yield						
3631	CLU Exth J AND	23	177	279 2.6+0	6.8+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76 NDG		. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187	074 NDG		. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374 NDG		. MORE TECHNICAL DETAILS.
¹⁰⁴ Pd(p,n) ¹⁰⁴ Ag thick target yield						
3632	CLU Exth J AND	23	177	279 5.2+0	6.0+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76 NDG		. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187	074 NDG		. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374 NDG		. MORE TECHNICAL DETAILS.
¹⁰⁵ Pd(p,total) σ(E)=factor						
3633	ORL Expt J PR/C	20	2052	079 2.5+0	6.5+0	Johnson+ CURV. REDUCED SIGMAS.
	Exth J PRL	39	1604	077 2.5+0	7.0+0	Johnson+ CURV. REDUCED SIGMAS.
¹⁰⁵ Pd(p,n) ¹⁰⁵ Ag σ(E)=factor						
3634	ORL Expt J PR/C	20	2052	079 2.0+0	5.6+0	Johnson+ CURV. RATIO PD105/PD110.
	Expt J PR/C	20	2052	079 2.5+0	6.5+0	Johnson+ CURV. REDUCED SIGMAS.
3635	ORL Exth J PRL	39	1604	077 2.5+0	7.0+0	Johnson+ CURV. REDUCED SIGMAS.
¹⁰⁵ Pd(p,n) ¹⁰⁵ Ag relative σ(E)						
3636	ORL Expt P ORNL-2910	25	460	2.1+0	5.7+0	Johnson+CURV.4PI NEUT. DET.REL TO PD110
¹⁰⁵ Pd(p,n) ¹⁰⁵ Ag relative I _y						
3637	CCP Expt J YF	26	3	777 6.0+0		Mihu+ TBL.76 GS. GE(L1). NO ANGLE GIVEN
	Expt J SNP	26	1	777 6.0+0		. TRANSLATION OF YF 26(1), 3(1977)
¹⁰⁵ Pd(p,n) ¹⁰⁵ Ag partial relative σ(E)						
3638	CCP Expt J YF	26	3	777 6.0+0		Mihu+ CURV.FUNC. OF LEVEL E(1.5-2.5MEV)
	Expt J SNP	26	1	777 6.0+0		.TRANSLATION OF YF 26(1), 3(1977)
¹⁰⁵ Pd(p,n) ¹⁰⁵ Ag σ(E)						
3639	ORL Expt J PR/C	20	2052	079 2.0+0	5.6+0	Johnson+ CURV. RATIO TO SMOOTH PD NAT.
¹⁰⁵ Pd(p,n) ¹⁰⁵ Ag thick target yield						
3640	CLU Exth J AND	23	177	279 3.6+0	6.0+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76 NDG		. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187	074 NDG		. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374 NDG		. MORE TECHNICAL DETAILS.
¹⁰⁵ Pd(p,n) ¹⁰⁵ Ag summation σ(E)=factor						
3641	ORL Expt P ORNL-2910	25	60	TR	5.7+0	Johnson+ CURV. THICKER TRGT. 4PI DETECT
	Expt P ORNL-2501	29	58	TR	5.7+0	Johnson+ EXPT. DETAILS.
	Expt 4 EXFOR80068.029	678	2.1+0	5.7+0		. 19 DATA POINTS. 105PD(P,N)/110PD(P,N)
3642	KFK Comp B PH-DAT	15	2	079 2.1+0	5.7+0	Muenzel+ TBL. FROM EXFOR.
¹⁰⁶ Pd(p,total) σ(E)=factor						
3643	ORL Expt J PR/C	20	2052	079 2.5+0	6.5+0	Johnson+ CURV. REDUCED SIGMAS.
	Exth J PRL	39	1604	077 2.5+0	7.0+0	Johnson+ CURV. REDUCED SIGMAS.
¹⁰⁶ Pd(p,n) ¹⁰⁶ Ag relative σ(E)						
3644	ORL Expt P ORNL-2910	25	460	3.8+0	5.7+0	Johnson+CURV.4PI NEUT. DET.REL TO PD110
¹⁰⁶ Pd(p,n) ¹⁰⁶ Ag σ(E)=factor						
3645	ORL Expt J PR/C	20	2052	079 2.0+0	5.6+0	Johnson+ CURV. RATIO PD106/PD110.
	Expt J PR/C	20	2052	079 2.5+0	6.5+0	Johnson+ CURV. REDUCED SIGMAS.
	Expt J PR/C	20	2052	079 2.0+0	5.6+0	Johnson+ CURV. RATIO TO SMOOTH PD NAT.
	Expt J PR/B	136	1719	064 3.6+0	5.0+0	Johnson+ CURV. RATIO PD106/PD110.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{108}\text{Pd}(p,n)^{108}\text{Ag}$ raw $\sigma(E)$					
3646	ORL Expt J PR/B	136	1719	064 3.4+0 4.1+0	Johnson+ CURV. FROM 1953+1960 MEAS.
$^{108}\text{Pd}(p,n)^{108}\text{Ag}$ partial relative $\sigma(E)$					
3647	OHQ Expt J NP/A	332	382	079 6.5+0	Devan+ TBL. 18 LEVELS. CFD THEORY.
$^{108}\text{Pd}(p,n)^{108}\text{Ag}$ thick target yield					
3648	CLU Exth J AND	23	177	279 4.0+0 6.0+0	Roughlon+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76 NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187	074 NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374 NDG	. MORE TECHNICAL DETAILS.
$^{106}\text{Pd}(p,n)^{106}\text{Ag}$ thick target yield					
3649	CLU Exth J AND	23	177	279 4.0+0 6.0+0	Roughlon+ TBL.
	Expt J AJ	205	302	76 NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187	074 NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374 NDG	. MORE TECHNICAL DETAILS.
$^{106}\text{Pd}(p,n)^{106}\text{Ag}$ summation $\sigma(E)$ factor					
3650	ORL Expt P ORNL-2910	25	60	TR 5.7+0	Johnson+ CURV. THICKER TRGT. 4PI DETECT
	Expt P ORNL-2501	29	58	TR 5.7+0	Johnson+ EXPT. DETAILS.
	Expt 4 EXFORB0068.030	678	3.8+0 5.7+0	. 19 DATA POINTS.	$^{106}\text{Pd}(p,n)^{110}\text{Pd}(p,n)$
3651	KFK Comp B PH-DAT	15	2	079 3.8+0 5.7+0	Muenzel+ TBL. FROM EXFOR.
$^{108}\text{Pd}(p,\text{total})$ $\sigma(E)$ factor					
3652	ORL Expt J PR/C	20	2052	079 2.5+0 6.5+0	Johnson+ CURV. REDUCED SIGMAS.
	Exth J PRL	39	1604	077 2.5+0 7.0+0	Johnson+ CURV. REDUCED SIGMAS.
$^{108}\text{Pd}(p,\text{scattering})^{108}\text{Pd}$ $\sigma(E)$					
3653	LRL Expt A BAP	21	662	76 7.0+0 2.6+1	Koopman+ NDG. DEDUCED FROM INELASTIC
$^{108}\text{Pd}(p,\text{inelastic})^{108}\text{Pd}$ partial $\sigma(E)$					
3654	LRL Expt A BAP	23	13	178 7.0+0 2.6+1	Koopman+ NDG. CFD TO (N,INL) + OTHER.
	Expt A DA/B	38	2735	077 7.0+0 2.6+1	Koopman+ NDG. GAMMA YLDS. DED. 2+-0+ SIG
$^{108}\text{Pd}(p,\text{inelastic})^{108}\text{Pd}$ $\sigma(E)$					
3655	LRL Expt A BAP	21	662	76 7.0+0 2.6+1	Koopman+ NDG. ALSO DEDUCED SCT
$^{108}\text{Pd}(p,n)^{108}\text{Ag}$ relative $\sigma(E)$					
3656	ORL Expt P ORNL-2910	25	460	2.4+0 5.7+0	Johnson+ CURV. 4PI NEUT. DET. REL TO PD110
$^{108}\text{Pd}(p,n)^{108}\text{Ag}$ partial $\sigma(E)$					
3657	TIT Expt J JPJ	41	1830	076 2.6+0 4.0+0	Hattori+ CURV. 8 GAMMAS.
$^{108}\text{Pd}(p,n)^{108}\text{Ag}$ $\sigma(E)$ factor					
3658	ORL Expt J PR/C	20	2052	079 2.0+0 5.6+0	Johnson+ CURV. RATIO PD108/PD110.
	Expt J PR/C	20	2052	079 2.5+0 6.5+0	Johnson+ CURV. REDUCED SIGMAS.
	Expt J PR/B	136	1719	064 2.5+0 5.0+0	Johnson+ CURV. RATIO PD108/PD110.
$^{108}\text{Pd}(p,n)^{108}\text{Ag}$ raw $\sigma(E)$					
3659	ORL Expt J PR/B	136	1719	064 2.5+0 3.2+0	Johnson+ CURV. FROM 1953+1960 MEAS.
$^{108}\text{Pd}(p,n)^{108}\text{Ag}$ summation $\sigma(E)$ factor					
3660	ORL Expt P ORNL-2910	25	60	TR 5.7+0	Johnson+ CURV. THICKER TRGT. 4PI DETECT
	Expt P ORNL-2501	29	58	TR 5.7+0	Johnson+ EXPT. DETAILS.
	Expt 4 EXFORB0068.031	678	2.4+0 5.7+0	. 29 DATA POINTS.	$^{108}\text{Pd}(p,n)^{110}\text{Pd}(p,n)$
3661	KFK Comp B PH-DAT	15	2	079 2.4+0 5.7+0	Muenzel+ TBL. FROM EXFOR.
$^{110}\text{Pd}(p,\text{total})$ $\sigma(E)$ factor					
3662	ORL Expt J PR/C	20	2052	079 2.5+0 6.5+0	Johnson+ CURV. REDUCED SIGMAS.
	Exth J PRL	39	1604	077 2.5+0 7.0+0	Johnson+ CURV. REDUCED SIGMAS.
$^{110}\text{Pd}(p,n+p)^{109}\text{Pd}$ including metastable $\sigma(E)$					
3663	ORL Expt J PR	94	620	554 TR 2.4+1	Cohen+ CURV. CFD. TO STATISTICAL CALC.
	Expt 4 EXFORB0072.003	678	1.1+1 2.4+1	. 14 DATA POINTS.	
3664	KFK Comp B PH-DAT	15	2	079 1.1+1 2.4+1	Muenzel+ TBL. FROM EXFOR.
$^{110}\text{Pd}(p,n)^{110}\text{Ag}$ $\sigma(E)$ factor					
3665	ORL Expt J PR/C	20	2052	079 2.0+0 5.6+0	Johnson+ CURV. RATIO PD108,106,105/110.
	Expt J PR/C	20	2052	079 2.5+0 6.5+0	Johnson+ CURV. REDUCED SIGMAS.
	Exth J PRL	39	1604	077 2.5+0 7.0+0	Johnson+ CURV. REDUCED SIGMAS.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{110}\text{Pd}(p,n)^{110}\text{Ag}$ $\sigma(E)$ factor					
3665	ORL Expt J PR/B	136 1719 D64	2.5+0	5.0+0	Johnson+ CURV. RATIO PD106,108/PD110
$^{110}\text{Pd}(p,n)^{110}\text{Ag}$ partial $\sigma(E)$					
3666	TIT Expt J JPJ	41 1830 D76	1.6+0	4.0+0	Hattori+ CURV. 4 GAMMAS.
$^{110}\text{Pd}(p,n)^{110}\text{Ag}$ $\sigma(E)$					
3667	ORL Expt J PR/C	20 2052 D79	2.5+0	6.0+0	Johnson+ TBL. CURV. SMOOTHED DATA.
	Expt J PR/C	20 2052 D79	2.0+0	5.6+0	Johnson+ CURV. RATIO TO SMOOTH PD NAT.
	Expt J PR/C	20 2052 D79	2.0+0	5.6+0	Johnson+ CURV. RATIO TO SMOOTH PD110.
$^{110}\text{Pd}(p,n)^{110m}\text{Ag}$ summation $\sigma(E)$					
3668	ORL Expt P ORNL-2910	25 60 TR	5.7+0	Johnson+ CURV. THICKER TRGT. 4PI DETECT	
	Expt P ORNL-2501	29 58 TR	5.7+0	Johnson+ EXPT. DETAILS.	
	Expt 4 EXFORB0068.027	678 2.1+0	5.7+0	18 DATA POINTS.	
3669	KFK Comp B PH-DAT	15 2 D79	2.1+0	5.7+0	Muenzel+ TBL. FROM EXFOR.
$^{110}\text{Pd}(p,n)^{110m}\text{Ag}$ summation $\sigma(E)$ factor					
3670	ORL Expt P ORNL-2910	25 60 TR	5.7+0	Johnson+ CURV. THICKER TRGT. 4PI DETECT	
	Expt P ORNL-2501	29 58 TR	5.7+0	Johnson+ EXPT. DETAILS.	
	Expt 4 EXFORB0068.030	678 3.8+0	5.7+0	19 DATA POINTS. 106PD(P,N)/110PD(P,N)	
	Expt 4 EXFORB0068.031	678 2.4+0	5.7+0	29 DATA POINTS. 108PD(P,N)/110PD(P,N)	
	Expt 4 EXFORB0068.029	678 2.1+0	5.7+0	19 DATA POINTS. 105PD(P,N)/110PD(P,N)	
3671	KFK Comp B PH-DAT	15 2 D79	2.1+0	5.7+0	Muenzel+ TBL. FROM EXFOR.
$\text{Ag}(p,x)$ spallation $\sigma(E)$ factor					
3672	NRL Rev J AJ/S	35 137 077	2.0+2	4.0+2	Silberberg+ TBL. RATIO CALC./EXPT.
$\text{Ag}(p,x)$ partial $\sigma(E)$ factor					
3673	NRL Rev J AJ/S	35 137 077	1.5+2	4.0+2	Silberberg+TBL. PERIPHERAL REAC. EXC. (P,XN)
$\text{Ag}(p,\text{absorption})$ $\sigma(E)$					
3674	IJI Rev J FCY	6 827 75	9.7+0	9.9+1	Nemets+ TBL.
	Rev J SJPN	6 325 76	9.7+0	9.9+1	TRANSLATION OF FCY 6.(4).827(1975).
$\text{Ag}(p,x)n$ $\sigma(E)$					
3675	ORL Expt J PR/C	20 2052 D79	2.8+0	3.0+0	Johnson+ TBL. CURV. SMOOTHED DATA.
	Expt J PR/C	20 2052 D79	2.8+0	5.8+0	Johnson+ CURV. RATIO TO SMOOTH CURVE.
3676	KTY Expt A BAP	22 998 977	3.0+0	7.0+0	Hershberger+ NDG. 4PI DETECTOR.
3677	LRL Expt J PR	115 925 59	4.0+0	5.5+0	Albert. CURV.
	Expt W TO ORNL-CPX	64 3.6+0	4.0+0	Albert.	
	Expt 4 EXFORB0093.018	579 3.6+0	8.1+0	7 DATA POINTS.	
$\text{Ag}(p,x)^3\text{H}$ thick target yield					
3678	BRK Expt J PR	120 1354 60	3.2+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107 1311 57	3.2+1		SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.005	078 3.2+1			(1.63+-0.18)MB.
3679	KFK Comp B PH-DAT	15 2 D79	3.2+1		Muenzel+ TBL. FROM EXFOR.
$\text{Ag}(p,x)^3\text{H}$ product yield					
3680	BRK Expt J PR	120 1354 60	3.2+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107 1311 57	3.2+1		SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.005	078 3.2+1			(2.31E-5+-10PERCENT)/INCIDENT P.
3681	KFK Comp B PH-DAT	15 2 D79	3.2+1		Muenzel+ TBL. FROM EXFOR.
$\text{Ag}(p,x)^{18}\text{F}$ $\sigma(E)$					
3682	BNL Expt J PR	110 1130 58	1.0+3	5.9+3	Caretto+ TBL. CURV. RADIOCHEMISTRY.
$\text{Ag}(p,x)^{18}\text{F}$ $\sigma(E)$ factor					
3683	BNL Expt J PR	110 1130 58	1.0+3	5.9+3	Caretto+ TBL. CURV. RADIOCHEMISTRY.
$\text{Ag}(p,x)^{24}\text{Ne}$ cumulative $\sigma(E)$					
3684	BNL Expt J PR	171 1301 68	1.0+3	3.0+3	Hudis+ TBL. FROM NE24/NA24 RATIO.
	Expt 4 EXFORB0078.003	078 1.0+3	3.0+3	3 ENTRIES.	
3685	KFK Comp B PH-DAT	15 2 D79	1.0+3	3.0+3	Muenzel+ TBL. FROM EXFOR.
$\text{Ag}(p,x)^{24}\text{Ne}$ cumulative $\sigma(E)$ factor					
3686	BNL Expt J PR	171 1301 68	1.0+3	3.0+3	Hudis+ TBL. RATIO NE24,CUM/NA24,IND
	Expt 4 EXFORB0078.003	078 1.0+3	3.0+3	3 ENTRIES.	
3687	KFK Comp B PH-DAT	15 2 D79	1.0+3	3.0+3	Muenzel+ TBL. FROM EXFOR.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
Ag(p,x) ²⁴ Na independent including metastable $\sigma(E)$						
3688	BNL Expt J PR	171 1301	68	1.0+3 3.0+3	Hudis+ TBL.	FROM NE24/NA24 RATIO.
	Expt 4 EXFORB0078.003	D78	1.0+3 3.0+3		3 ENTRIES.	
3689	KFK Comp B PH-DAT	15 2 D79	1.0+3 3.0+3		Muenzel+ TBL.	FROM EXFOR.
Ag(p,x) ²⁴ Na independent including metastable $\sigma(E)$ +factor						
3690	BNL Expt J PR	171 1301	68	1.0+3 3.0+3	Hudis+ TBL.	RATIO NE24.CUM/NA24.IND
	Expt 4 EXFORB0078.003	D78	1.0+3 3.0+3		3 ENTRIES.	
3691	KFK Comp B PH-DAT	15 2 D79	1.0+3 3.0+3		Muenzel+ TBL.	FROM EXFOR.
Ag(p,x) ²⁴ Na cumulative? $\sigma(E)$						
3692	BNL Expt J PR	171 1301	68	1.0+3 3.0+3	Hudis+ TBL.	CORRECTED FOR RVSD MON SIG
	Expt J PR	110 1130	58	1.0+3 5.9+3	Caretto+ TBL.	CURV. RADIOCHEMISTRY.
	Expt 4 EXFORB0078.003	D78	1.0+3 3.0+3		3 ENTRIES.	
3693	KFK Comp B PH-DAT	15 2 D79	1.0+3 3.0+3		Muenzel+ TBL.	FROM EXFOR.
Ag(p,x) ²⁴ Na cumulative? $\sigma(E)$ *factor						
3694	BNL Expt J PR	110 1130	58	1.0+3 5.9+3	Caretto+ TBL.	CURV. RADIOCHEMISTRY.
¹⁰⁴ Ag(p,n) ¹⁰⁴ Cd partial product yield						
3695	OHO Expt A DA/B	37 5722	577 TR	1.4+0	Devan.	NDG.
¹⁰⁶ Ag(p,n) ¹⁰⁶ Cd partial product yield						
3696	OHO Expt A DA/B	37 5722	577 TR	1.4+0	Devan.	NDG.
¹⁰⁷ Ag(p,absorption) $\sigma(E)$						
3697	KTY Expt J PR/C	21 896	380	3.0+0 6.0+0	Hershberger+ NDG.	FROM (P,N)+(P,P).
¹⁰⁷ Ag(p,total) $\sigma(E)$ *factor						
3698	ORL Expt J PR/C	20 2052	D79	2.5+0 6.5+0	Johnson+ CURV.	REDUCED SIGMAS.
	Exth J PRL	39 1604	D77	2.5+0 7.0+0	Johnson+ CURV.	REDUCED SIGMAS.
¹⁰⁷ Ag(p, α) ¹⁰⁴ Pd $\sigma(E)$						
3699	MIL Expt J NC/A	39 171	577	2.3+1	Collis+ (42.7+-8.5)MB.	E/A INT.
¹⁰⁷ Ag(p,n+p) ¹⁰⁶ Ag $\sigma(E)$						
3700	ORL Expt J PR	94 620	554 TR	2.4+1	Cohen+ CURV.	CFD. TO STATISTICAL CALC.
	Expt 4 EXFORB0072.004	678	1.3+1 2.4+1		12 DATA POINTS.	
3701	KFK Comp B PH-DAT	15 2 D79	1.3+1 2.4+1		Muenzel+ TBL.	FROM EXFOR.
¹⁰⁷ Ag(p,n) ¹⁰⁷ Cd $\sigma(E)$						
3702	KFK Comp B PH-DAT	15 2 D79	1.9+0 1.0+1		Muenzel+ TBL.	FROM EXFOR.
3703	ANL Expt J PR	128 280	062	1.9+0 1.0+1	Ming+ TBL.	CURV. RESID. RADIOACTIVITY.
	Expt R TID-12696	61	1.9+0 1.0+1		SUPERSEDED.	
	Expt 4 EXFORB0065.006	678	1.9+0 1.0+1		24 DATA POINTS.	
3704	BNL Expt J PR/C	9 1819	574	2.5+0 2.3+1	Collie+ TBL.	CURV. ACTIVATION METHOD.
	Expt 4 EXFORB0057.004	77	2.5+0 2.3+1		46 DATA POINTS.	
3705	ORL Expt J PR/C	20 2052	D79	2.8+0 5.8+0	Johnson+ CURV.	RATIO TO SMOOTH AG NAT.
3706	KTY Expt J PR/C	21 896	380	3.0+0 6.0+0	Hershberger+ TBL.	SMOOTHED DATA.
	Expt J PR/C	21 896	380	3.0+0 6.0+0	PAPS PRVCA-21-896-S	FOR DATA.
3707	ETH Expt J HPA	24 3	51	3.3+0 6.4+0	Blaser+ TBL.	NATURAL FOIL.
	Expt 4 EXFORB0048.007	77	3.3+0 6.4+0		18 DATA POINTS.	
¹⁰⁷ Ag(p,n) ¹⁰⁷ Cd $\sigma(E)$ *factor						
3708	ORL Exth J PRL	39 1604	D77	2.5+0 7.0+0	Johnson+ CURV.	REDUCED SIGMAS.
3709	ORL Expt J PR/C	20 2052	D79	2.5+0 6.5+0	Johnson+ CURV.	REDUCED SIGMAS.
¹⁰⁹ Ag(p,absorption) $\sigma(E)$						
3710	KTY Expt J PR/C	21 896	380	3.0+0 6.0+0	Hershberger+ NDG.	FROM (P,N)+(P,P).
¹⁰⁹ Ag(p,total) $\sigma(E)$ *factor						
3711	ORL Expt J PR/C	20 2052	D79	2.5+0 6.5+0	Johnson+ CURV.	REDUCED SIGMAS.
	Expt J PR/C	20 2052	D79	2.5+0 6.5+0	Johnson+ CURV.	EFFECT OF PAR VAR.
	Exth J PRL	39 1604	D77	2.5+0 7.0+0	Johnson+ CURV.	REDUCED SIGMAS.
¹⁰⁹ Ag(p, α) ¹⁰⁶ Pd $\sigma(E)$						
3712	MIL Expt J NC/A	39 171	577	2.3+1	Collis+ (26.1+-5.2)MB.	E/A INT.
¹⁰⁹ Ag(p,n) ¹⁰⁹ Cd $\sigma(E)$						
3713	ORL Expt P ORNL-2910	25 60	TR	5.8+0	Johnson+ CURV.	THICKER TRGT. 4PI DETECT
	Expt P ORNL-2501	29 58	TR	5.8+0	Johnson+ EXPT.	DETAILS.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
$^{109}\text{Ag}(p,n)^{109}\text{Cd}$ $\sigma(E)$						
3713	ORL Expt	4 EXFORB0068.008	678	4.2+0	5.8+0	. 29 DATA POINTS.
3714	KFK Comp	B PH-DAT 15	2	079	2.5+0	1.0+1 Muenzel+ TBL. FROM EXFOR.
3715	ORL Expt	J PR/C 20	2052	079	2.8+0	5.8+0 Johnson+ CURV. RATIO TO SMOOTH AG NAT.
3716	KTY Expt	J PR/C 21	896	380	3.0+0	6.0+0 Hershberger+ TBL. SMOOTHED DATA.
	Expt	J PR/C 21	896	380	3.0+0	6.0+0 . PAPS PRVCA-21-896-S FOR DATA.
3717	ETH Expt	J HPA 24	3	51	4.2+0	6.4+0 Blaser+ TBL. NATURAL FOIL.
	Expt	4 EXFORB0048.008	77	4.5+0	6.4+0	. 12 DATA POINTS.
3718	ANL Expt	J PR 128	280	062	5.0+0	1.0+1 Wing+ TBL. CURV. RESID. RADIOACTIVITY.
	Expt	R TID-12696	61	5.0+0	1.0+1	. SUPERSEDED.
	Expt	4 EXFORB0065.007	678	5.0+0	1.0+1	. 14 DATA POINTS.
3719	ROS Expt	R INDC(ICCP)-133	679	6.4+0	6.8+0	Levchikova+ NDG. TBP IN YF.
$^{109}\text{Ag}(p,n)^{109}\text{Cd}$ product yield						
3720	ROS Expt	A NIM 146	307	077	NDG	Becker+ NDG.
$^{109}\text{Ag}(p,n)^{109}\text{Cd}$ $\sigma(E)$ =factor						
3721	ORL Exth	J PRL 39	1604	077	2.5+0	7.0+0 Johnson+ CURV. REDUCED SIGMAS.
3722	ORL Expt	J PR/C 20	2052	079	2.5+0	6.5+0 Johnson+ CURV. REDUCED SIGMAS.
$\text{Cd}(p,\text{absorption})$ $\sigma(E)$						
3723	IJI Revw	J FCY 6	827	75	9.9+0	1.3+2 Nemets+ TBL.
	Revw	J SUPN 6	325	76	9.9+0	1.3+2 . TRANSLATION OF FCY 6.(4).827(1975).
$\text{Cd}(p,x\gamma)$ thick target yield						
3724	CCP Expt	R YK- 21	73	76	1.2+1	2.3+1 Malusevich+ CURV. TBL. THETA = 0 DEG.
	Expt	R INDC(ICCP)-103	577	1.2+1	2.3+1	.TRANSLATION OF T. OF C.(YK 21,73(1976))
$\text{Cd}(p,x)n$ $\sigma(E)$						
3725	LRL Expt	J PR 115	925	59	4.5+0	5.5+0 Albert. CURV.
	Expt	W TO ORNL-CPX	64	5.5+0	8.1+0	Albert.
	Expt	4 EXFORB0093.019	579	4.5+0	7.0+0	. 3 DATA POINTS.
$\text{Cd}(p,x)n$ $\sigma(E)$ =factor						
3726	ORL Expt	J PR/C 20	2052	079	2.5+0	5.8+0 Johnson+ CURV. RATIO TO SMOOTH CD116.
$\text{Cd}(p,x)^3\text{H}$ thick target yield						
3727	BRK Expt	J PR 120	1354	60	3.2+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt	J PR 107	1311	57	3.2+1	. SOME EXPERIMENTAL DETAILS.
	Expt	4 EXFORB0080.006	078	3.2+1		. (2.46+-0.25)MB.
3728	KFK Comp	B PH-DAT 15	2	079	3.2+1	Muenzel+ TBL. FROM EXFOR.
$\text{Cd}(p,x)^3\text{H}$ product yield						
3729	BRK Expt	J PR 120	1354	60	3.2+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt	J PR 107	1311	57	3.2+1	. SOME EXPERIMENTAL DETAILS.
	Expt	4 EXFORB0080.006	078	3.2+1		. (3.05E-5+-10PERCENT)/INCIDENT P.
3730	KFK Comp	B PH-DAT 15	2	079	3.2+1	Muenzel+ TBL. FROM EXFOR.
$\text{Cd}(p,x)^{111}\text{In}$ product yield						
3731	UPP Expt	P KDK-23	9	478	4.5+1	Lundqvist+ NDG.
	Expt	P NEANDC(OR)150	477	4.5+1		Lundqvist+NDG. PROD. LABELLED CMP. P.15
	Expt	P NEANDC(OR)146	476	4.5+1		Lundqvist+NDG. PROD. LABELLED CMP. P.16
$\text{Cd}(p,x)^{111}\text{In}$ thick target yield						
3732	UVJ Comp	R UJF-4199-B	277	5.0+0	2.5+1	Bem+ TBL.
3733	AHL Revw	J IRE 26	2281	479	1.5+1	Chaudri. TBL. CFD EXP. TO CALC.
$\text{Cd}(p,x)^{111}\text{In}$ $\sigma(E)$						
3734	CCP Revw	J AE 42	311	77	8.0+0	1.1+1 Zatochkin+ TBL. ACTIVATION.
	Revw	J SJA 42	344	077	8.0+0	1.1+1 . TRANSLATION OF AE 42(4). 311(1977).
$\text{Cd}(p,x)^{114}\text{In}$ thick target yield						
3735	UVJ Comp	R UJF-4199-B	277	6.0+0	2.2+1	Bem+ TBL.
$^{106}\text{Cd}(p,\gamma)^{107}\text{In}$ thick target yield						
3736	CLU Exth	J AND 23	177	279	3.0+0	5.0+0 Roughon+ TBL. ALSO STELLAR REACT. RATE
	Expt	J AJ 205	302	76	NDG	. MORE TECHNICAL DETAILS.
	Expt	J AJ 193	187	074	NDG	. MORE TECHNICAL DETAILS.
	Expt	J AJ 188	595	374	NDG	. MORE TECHNICAL DETAILS.

REFERENCES (cont.)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{108}\text{Cd}(p,\gamma)^{109}\text{In}$ thick target yield					
3737	CLU Exth J AND	23	177	279 3.0+0 5.0+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76 NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187	074 NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374 NDG	. MORE TECHNICAL DETAILS.
$^{110}\text{Cd}(p,\alpha)^{107}\text{Ag}$ $\sigma(E)$					
3738	PUR Expt J PR/C	15	1308	477 1.6+1	Lux+(5.6+-0.5)MB. INTAD. 8.0-15.5 IN CM
$^{110}\text{Cd}(p,\text{scattering})^{110}\text{Cd}$ $\sigma(E)$					
3739	LRL Expt A BAP	21	662	76 7.0+0 2.6+1	Koopman+ NDG. DEDUCED FROM INELASTIC
$^{110}\text{Cd}(p,\text{inelastic})^{110}\text{Cd}$ $\sigma(E)$					
3740	PUR Expt J PR/C	15	1308	477 1.6+1	Lux+(74.0+-0.7)MB. INTAD. 3.0-11.0 IN CM
$^{110}\text{Cd}(p,\text{inelastic})^{110}\text{Cd}$ compound-nucleus $\sigma(E)$					
3741	PUR Expt J PR/C	15	1308	477 1.6+1	Lux+(68.4+-7.0)MB. INTAD. 3.0-11.0 IN CM
$^{110}\text{Cd}(p,\text{inelastic})^{110}\text{Cd}$ partial $\sigma(E)$ x factor					
3742	TOK Expt J NP/A	288	504	077 6.1+0 8.1+0	Soga+ TBL. THETA=125 DEG. .658-MEV ST.
$^{110}\text{Cd}(p,\text{inelastic})^{110}\text{Cd}$ partial $\sigma(E)_\gamma$					
3743	LRL Expt A BAP	23	13	178 7.0+0 2.6+1	Koopman+ NDG. CFD TO (N,INL) + OTHER.
	Expt A OA/B	38	2735	077 7.0+0 2.6+1	Koopman+ NDG. GAMMA YLOS. DED. 2+-0+ SIG
	Expt A BAP	21	662	76 7.0+0 2.6+1	Koopman+ NDG. ALSO DEDUCED SCT
$^{110}\text{Cd}(p,\text{elastic})^{110}\text{Cd}$ $\sigma(E)$ x factor					
3744	TOK Expt J NP/A	288	504	077 5.8+0 8.1+0	Soga+ TBL. THETA=90,125,165 DEG.
$^{110}\text{Cd}(p,2n)^{109}\text{In}$ Including metastable $\sigma(E)$					
3745	UFT Expt J IZV	39	24	75 1.4+1 2.1+1	Skakun+ TBL. AREA ANALYSIS.
	Expt J BAS	39	18	75 1.4+1 2.1+1	. TRANSLATION OF IZV 39, 24(1975)
	Expt 4 EXFORA0001.003	478	1.4+1	2.1+1	. 9 DATA POINTS.
$^{110}\text{Cd}(p,n)^{110}\text{In}$ $\sigma(E)$					
3746	ORL Expt J PR/C	20	2052	079 2.5+0 6.0+0	Johnson+ TBL. CURV. SMOOTHED DATA.
3747	CCP Expt J IZV	39	1688	75 6.3+0 7.3+0	Abramovich+ CURV.
	Expt J BAS	39	103	76 6.2+0 7.2+0	. TRANSLATION OF IZV 39(8), 1688(75).
$^{110}\text{Cd}(p,n)^{110}\text{In}$ $\sigma(E)$					
3748	ETH Expt J HPA	24	3	51 4.5+0 6.4+0	Blaser+ TBL. NATURAL FOIL.
	Expt 4 EXFORB0048.009	77	4.5+0	6.4+0	. 12 DATA POINTS.
3749	KFK Comp B PH-DAT	15	2	079 4.5+0 6.4+0	Muenzel+ TBL. FROM EXFOR.
$^{110}\text{Cd}(p,n)^{110}\text{In}$ summation $\sigma(E)$					
3750	UFT Expt J IZV	39	24	75 6.5+0 2.1+1	Skakun+ TBL. AREA ANALYSIS.
	Expt J BAS	39	18	75 6.5+0 2.1+1	. TRANSLATION OF IZV 39, 24(1975)
	Expt 4 EXFORA0001.002	478	6.5+0	2.1+1	. 12 DATA POINTS.
$^{110}\text{Cd}(p,n)^{110}\text{In}$ ratio $\sigma(E)$					
3751	UFT Theo J IZV	40	193	76 6.0+0 2.0+1	Skakun+ CURV. PREEQUIL. MODEL.
	Theo J BAS	40	163	76 6.0+0 2.0+1	. TRANSLATION OF IZV 40, 193(76).
$^{111}\text{Cd}(p,\text{total})$ $\sigma(E)$ x factor					
3752	ORL Expt J PR/C	20	2052	079 2.5+0 6.5+0	Johnson+ CURV. REDUCED SIGMAS.
	Exth J PRL	39	1604	077 2.5+0 7.0+0	Johnson+ CURV. REDUCED SIGMAS.
$^{111}\text{Cd}(p,2n)^{110}\text{In}$ summation $\sigma(E)$					
3753	UFT Expt J IZV	39	24	75 1.2+1 2.1+1	Skakun+ TBL. AREA ANALYSIS.
	Expt J BAS	39	18	75 1.2+1 2.1+1	. TRANSLATION OF IZV 39, 24(1975)
	Expt 4 EXFORA0001.005	478	1.2+1	2.1+1	. 7 DATA POINTS.
$^{111}\text{Cd}(p,n)^{111}\text{In}$ thick target yield					
3754	AML Revv J IRE	26	2281	479 1.6+1	Chaudri. TBL. CFD EXP. TO CALC.
$^{111}\text{Cd}(p,n)^{111}\text{In}$ relative I_γ					
3755	SUL Expt J IZV	41	104	77 6.0+0	Zarubin+ TBL. 44 GS. IN-BEAM.
	Expt J IZV	41	104	77 5.0-1 2.5+0	Zarubin+ CURV. GAMMA OUT+GAMMA IN
	Expt J BAS	41	85	77 5.0-1 6.0+0	. TRANSLATION OF IZV 41, 104(1977).

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
$^{111}\text{Cd}(p,n)^{111}\text{In}$ including metastable $\sigma(E)$						
3756	KFK Comp B PH-DAT	15 2 079	2.1+0	1.2+1	Muenzel+ TBL.	FROM EXFOR.
3757	ANL Expt J PR	128 280 062	2.1+0	1.0+1	Wings+ TBL.	CURV. RESID. RADIOACTIVITY.
	Expt R T10-12696	61 2.1+0	1.0+1			SUPERSEDED.
	Expt 4 EXFORB0065.008	678 2.1+0	1.0+1			10 DATA POINTS.
3758	ETH Expt J HPA	24 3 51	3.0+0	6.4+0	Blaser+ TBL.	NATURAL FOIL.
	Expt 4 EXFORB0048.010	77 3.0+0	6.4+0			18 DATA POINTS.
3759	ORL Expt J PR	100 1340 055	1.2+1		Blosser+ TBL.	CURV.
	Expt 4 EXFORB0052.016	77 1.2+1				(810+-120)MB.META NOT KNOWN WHEN PUB.
$^{111}\text{Cd}(p,n)^{111}\text{In}$ $\sigma(E)$ factor						
3760	ORL Expt J PR/C	20 2052 079	2.5+0	5.8+0	Johnson+ CURV.	RATIO TO SMOOTH CD116.
	Expt J PR/C	20 2052 079	2.5+0	6.5+0	Johnson+ CURV.	REDUCED SIGMAS.
	Exth J PRL	39 1604 077	2.5+0	7.0+0	Johnson+ CURV.	REDUCED SIGMAS.
$^{111}\text{Cd}(p,n)^{111}\text{In}$ $\sigma(E)$						
3761	UFT Expt J IZV	39 24 75	4.3+0	2.1+1	Skakun+ TBL.	AREA ANALYSIS.
	Expt J BAS	39 18 75	4.3+0	2.1+1		TRANSLATION OF IZV 39, 24(1975)
	Expt 4 EXFORA0001.004	478 4.3+0	2.1+1			16 DATA POINTS.
$^{111}\text{Cd}(p,n)^{111}\text{In}$ independent relative $\sigma(E)$						
3762	UPP Expt J ZP/A	276 133 76	6.0+0	1.1+1	Dietrich+ CURV.	TBL GIVES SLOPE OF SIG
$^{111}\text{Cd}(p,n)^{111m}\text{In}$ summation $\sigma(E)$ factor						
3763	ORL Expt P ORNL-2910	25 60 TR	5.7+0	Johnson+ CURV.	THICKER TRGT. 4PI DETECT	
	Expt P ORNL-2501	29 58 TR	5.7+0	Johnson+ EXPT.	DETAILS.	
	Expt 4 EXFORB0068.032	678 2.5+0	5.7+0			18 DATA POINTS. 111CD(P,N)/116CD(P,N)
3764	KFK Comp B PH-DAT	15 2 079	2.5+0	5.7+0	Muenzel+ TBL.	FROM EXFOR.
$^{112}\text{Cd}(p,\text{total})$ $\sigma(E)$ factor						
3765	ORL Expt J PR/C	20 2052 079	2.5+0	6.5+0	Johnson+ CURV.	REDUCED SIGMAS.
	Exth J PRL	39 1604 077	2.5+0	7.0+0	Johnson+ CURV.	REDUCED SIGMAS.
$^{112}\text{Cd}(p,2n)^{111}\text{In}$ product yield						
3766	USA Revv J IRE	26 1703 279	NDG		Beaver+ 6.0 MCI/MUAHR.	
$^{112}\text{Cd}(p,2n)^{111}\text{In}$ thick target yield/abundance						
3767	AML Revv J IRE	26 2281 479	2.2+1		Chaudri. TBL.	CFO EXP. TO CALC.
$^{112}\text{Cd}(p,2n)^{111}\text{In}$ including metastable $\sigma(E)$						
3768	UFT Expt J IZV	39 24 75	1.3+1	2.1+1	Skakun+ TBL.	AREA ANALYSIS.
	Expt J BAS	39 18 75	1.3+1	2.1+1		TRANSLATION OF IZV 39, 24(1975)
	Expt 4 EXFORA0001.007	478 1.3+1	2.1+1			6 DATA POINTS.
$^{112}\text{Cd}(p,n)^{112}\text{In}$ including metastable $\sigma(E)$						
3769	ETH Expt J HPA	24 3 51	3.1+0	6.4+0	Blaser+ TBL.	NATURAL FOIL.
	Expt 4 EXFORB0048.011	77 3.1+0	6.4+0			18 DATA POINTS.
3770	KFK Comp B PH-DAT	15 2 079	3.1+0	6.4+0	Muenzel+ TBL.	FROM EXFOR.
3771	UFT Expt J IZV	39 24 75	4.7+0	2.1+1	Skakun+ TBL.	AREA ANALYSIS.
	Expt J BAS	39 18 75	4.7+0	2.1+1		TRANSLATION OF IZV 39, 24(1975)
	Expt 4 EXFORA0001.006	478 4.7+0	2.1+1			17 DATA POINTS.
$^{112}\text{Cd}(p,n)^{112}\text{In}$ $\sigma(E)$						
3772	CCP Expt J IZV	39 1688 75	6.6+0	7.8+0	Abramovich+ CURV.	
	Expt J BAS	39 103 76	6.5+0	7.7+0		TRANSLATION OF IZV 39(8), 1688(75).
$^{112}\text{Cd}(p,n)^{112}\text{In}$ $\sigma(E)$ factor						
3773	ORL Expt J PR/C	20 2052 079	2.5+0	5.8+0	Johnson+ CURV.	RATIO TO SMOOTH CD116.
	Expt J PR/C	20 2052 079	2.5+0	6.5+0	Johnson+ CURV.	REDUCED SIGMAS.
	Expt J PR/B	136 1719 064	2.5+0	5.0+0	Johnson+ CURV.	RATIO CD112/CD116.
$^{112}\text{Cd}(p,n)^{112}\text{In}$ raw $\sigma(E)$						
3774	ORL Expt J PR/B	136 1719 064	3.1+0	3.7+0	Johnson+ CURV.	FROM 1953+1960 MEAS.
$^{112}\text{Cd}(p,n)^{112m}\text{In}$ summation $\sigma(E)$ factor						
3775	ORL Expt P ORNL-2910	25 60 TR	5.7+0	Johnson+ CURV.	THICKER TRGT. 4PI DETECT	
	Expt P ORNL-2501	29 58 TR	5.7+0	Johnson+ EXPT.	DETAILS.	
	Expt 4 EXFORB0068.033	678 2.5+0	5.7+0			23 DATA POINTS. 112CD(P,N)/116CD(P,N)
3776	KFK Comp B PH-DAT	15 2 079	2.5+0	5.7+0	Muenzel+ TBL.	FROM EXFOR.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{112}\text{Cd}(p,n)^{112\text{m}}\text{In}$ ratio $\sigma(E)$						
3777	UFT Theo J IZV	40	193	76 4.0+0 2.0+1	Shakun+	CURV. PREEQUIL. MODEL.
	Theo J BAS	40	163	76 4.0+0 2.0+1		. TRANSLATION OF IZV 40, 193(76).
$^{113}\text{Cd}(p,\text{total})$ $\sigma(E)$ factor						
3778	ORL Expt J PR/C	PN	2052	D79 2.5+0 6.5+0	Johnson+	CURV. REDUCED SIGMAS.
	Exth J PRL	39	1604	D77 2.5+0 7.0+0	Johnson+	CURV. REDUCED SIGMAS.
$^{113}\text{Cd}(p,2n)^{112}\text{In}$ including metastable $\sigma(E)$						
3779	UFT Expt J IZV	39	24	75 1.2+1 2.1+1	Shakun+ TBL.	AREA ANALYSIS.
	Expt J BAS	39	18	75 1.2+1 2.1+1		. TRANSLATION OF IZV 39, 24(1975)
	Expt 4 EXFORA0001.009	478	1.2+1	2.1+1		. 7 DATA POINTS.
$^{113}\text{Cd}(p,n)^{113}\text{In}$ $\sigma(E)$ factor						
3780	ORL Expt J PR/C	20	2052	D79 2.5+0 5.8+0	Johnson+	CURV. RATIO TO SMOOTH CD116.
	Expt J PR/C	20	2052	D79 2.5+0 6.5+0	Johnson+	CURV. REDUCED SIGMAS.
	Exth J PRL	39	1604	D77 2.5+0 7.0+0	Johnson+	CURV. REDUCED SIGMAS.
$^{113}\text{Cd}(p,n)^{113}\text{In}$ independent relative $\sigma(E)$						
3781	UPP Expt J ZP/A	276	133	76 6.0+0 1.1+1	Dietrich+	CURV. TBL GIVES SLOPE OF SIG
$^{113}\text{Cd}(p,n)^{113}\text{In}$ independent $\sigma(E)$						
3782	UFT Expt J IZV	39	24	75 4.7+0 2.1+1	Shakun+ TBL.	AREA ANALYSIS.
	Expt J BAS	39	18	75 4.7+0 2.1+1		. TRANSLATION OF IZV 39, 24(1975)
	Expt 4 EXFORA0001.008	478	4.7+0	2.1+1		. 15 DATA POINTS.
$^{113}\text{Cd}(p,n)^{113\text{m}}\text{In}$ summation $\sigma(E)$ factor						
3783	ORL Expt P ORNL-2910	25	60	TR 5.7+0	Johnson+	CURV. THICKER TRGT. 4PI DETECT
	Expt P ORNL-2501	29	58	TR 5.7+0	Johnson+	EXPT. DETAILS.
	Expt 4 EXFORB0068.034	678	2.5+0	5.7+0		. 13 DATA POINTS. $^{113}\text{Cd}(P,N)/^{116}\text{Cd}(P,N)$
3784	KFK Comp B PH-DAT	15	2	D79 2.5+0 5.7+0	Muenzel+	TBL. FROM EXFOR.
$^{114}\text{Cd}(p,\text{total})$ $\sigma(E)$ factor						
3785	ORL Expt J PR/C	20	2052	D79 2.5+0 6.5+0	Johnson+	CURV. REDUCED SIGMAS.
	Exth J PRL	39	1604	D77 2.5+0 7.0+0	Johnson+	CURV. REDUCED SIGMAS.
$^{114}\text{Cd}(p,\text{scattering})^{114}\text{Cd}$ $\sigma(E)$						
3786	LRL Expt A BAP	21	662	76 7.0+0 2.6+1	Koopman+	NDG. DEDUCED FROM INELASTIC
$^{114}\text{Cd}(p,\text{inelastic})^{114}\text{Cd}$ partial $\sigma(E)$						
3787	LRL Expt A BAP	23	13	178 7.0+0 2.6+1	Koopman+ NDG.	CFD TO (N,INL) + OTHER.
	Expt A DA/B	38	2735	D77 7.0+0 2.6+1	Koopman.	NDG. GAMMA YLOS. DED. 2+-0+ SIG
$^{114}\text{Cd}(p,\text{inelastic})^{114}\text{Cd}$ $\sigma(E)$						
3788	LRL Expt A BAP	21	662	76 7.0+0 2.6+1	Koopman+	NDG. ALSO DEDUCED SCT
$^{114}\text{Cd}(p,2n)^{113}\text{In}$ independent $\sigma(E)$						
3789	UFT Expt J IZV	39	24	75 9.8+0 2.1+1	Shakun+ TBL.	AREA ANALYSIS.
	Expt J BAS	39	18	75 9.8+0 2.1+1		. TRANSLATION OF IZV 39, 24(1975)
	Expt 4 EXFORA0001.011	478	9.8+0	2.1+1		. 11 DATA POINTS.
$^{114}\text{Cd}(p,n)^{114}\text{In}$ $\sigma(E)$ factor						
3790	ORL Expt J PR/C	20	2052	D79 2.5+0 5.8+0	Johnson+	CURV. RATIO TO SMOOTH CD116.
	Expt J PR/C	20	2052	D79 2.5+0 6.5+0	Johnson+	CURV. REDUCED SIGMAS.
	Exth J PRL	39	1604	D77 2.5+0 7.0+0	Johnson+	CURV. REDUCED SIGMAS.
$^{114}\text{Cd}(p,n)^{114}\text{In}$ $\sigma(E)$						
3791	CCP Expt J IZV	39	1688	75 7.0+0 8.2+0	Abramovich+	CURV.
	Expt J BAS	39	103	76 6.9+0 8.1+0		. TRANSLATION OF IZV 39(8), 1688(75).
$^{114}\text{Cd}(p,n)^{114}\text{In}$ partial $\sigma(E)$ factor						
3792	CCP Exth J IZV	39	2181	75 4.0+0 9.0+0	Shakun+	CURV. 502KEV LEV/191.6 KEV LEV.
	Exth J IZV	39	2181	75 4.0+0 9.0+0	Shakun+	CURV. 502 KEV LEV/TOTAL
	Exth J BAS	39	149	76 4.0+0 9.0+0		. TRANSLATION OF IZV 39, 2181(1975).
$^{114}\text{Cd}(p,n)^{114}\text{In}$ $\sigma(E)$						
3793	KFK Comp B PH-DAT	15	2	D79 4.4+0 1.0+1	Muenzel+	TBL. FROM EXFOR.
3794	ANL Expt J PR	128	280	062 4.4+0 1.0+1	Wing+	TBL. CURV. RESID. RADIOACTIVITY.
	Expt R TID-12696		61	4.4+0 1.0+1		. SUPERSEDED.
	Expt 4 EXFORB0065.009	678	4.4+0	1.0+1		. 10 DATA POINTS.

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{114}\text{Cd}(p,n)^{114m}\text{In}$ $\sigma(E)$				
3795 KFK Comp B PH-DAT	15	2	079 3.5+0	1.2+1 Muenzel+ TBL. FROM EXFOR.
3796 ETH Expt J HPA 21	3	51	3.6+0	6.4+0 Blaser+ TBL. NATURAL FOIL.
Expt 4 EXFORB0048.012	77	3.5+0	6.4+0	. 16 DATA POINTS.
3797 ANL Expt J PR 128	280	062	4.4+0	1.0+1 Wing+ TBL. CURV. RESID. RADIOACTIVITY.
Expt R TID-12696	61	4.4+0	1.0+1	. SUPERSEDED.
Expt 4 EXFORB0065.009	678	4.4+0	1.0+1	. 14 DATA POINTS.
3798 ORL Expt J PR 100	1340	055	1.2+1	Blosser+ TBL. CURV.
Expt 4 EXFORB0052.017	77	1.2+1		. (305+-50)MB.
$^{114}\text{Cd}(p,n)^{114m}\text{In}$ Independent $\sigma(E)$				
3799 UFT Expt J IZV 39	24	75	3.7+0	2.1+1 Skakun+ TBL. AREA ANALYSIS.
Expt J BAS 39	18	75	3.7+0	2.1+1 . TRANSLATION OF IZV 39, 24(1975)
Expt 4 EXFORA0001.010	478	3.7+0	2.1+1	. 7 DATA POINTS.
$^{114}\text{Cd}(p,n)^{114m}\text{In}$ summation $\sigma(E)$ x factor				
3800 ORL Expt P ORNL-2910	25	60	TR	5.7+0 Johnson+ CURV. THICKER TRGT. 4PI DETECT
Expt P ORNL-2501	29	58	TR	5.7+0 Johnson+ EXPT. DETAILS.
Expt 4 EXFORB0068.035	678	2.5+0	5.6+0	. 14 DATA POINTS. $^{114}\text{Cd}(p,n)/^{116}\text{Cd}(p,n)$
3801 KFK Comp B PH-DAT	15	2	079 2.5+0	5.7+0 Muenzel+ TBL. FROM EXFOR.
$^{114}\text{Cd}(p,\gamma)^{115m}\text{In}$ thick target yield				
3802 CLU Exth J AND 23	177	279	3.0+0	5.0+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
Expt J AJ 205	302	76	NDG	. MORE TECHNICAL DETAILS.
Expt J AJ 193	187	074	NDG	. MORE TECHNICAL DETAILS.
Expt J AJ 188	595	374	NDG	. MORE TECHNICAL DETAILS.
$^{116}\text{Cd}(p,\text{total})$ $\sigma(E)$ x factor				
3803 ORL Expt J PR/C 20	2052	079	2.5+0	6.5+0 Johnson+ CURV. REDUCED SIGMAS.
Exth J PRL 39	1604	077	2.5+0	7.0+0 Johnson+ CURV. REDUCED SIGMAS.
$^{116}\text{Cd}(p,\text{scattering})^{116}\text{Cd}$ $\sigma(E)$				
3804 LRL Expt A BAP 21	662	76	7.0+0	2.6+1 Koopman+ NDG. DEDUCED FROM INELASTIC
$^{116}\text{Cd}(p,\text{inelastic})^{116}\text{Cd}$ partial $\sigma(E)$, γ				
3805 LRL Expt A BAP 23	13	178	7.0+0	2.6+1 Koopman+ NDG. CFD TO (N,INL) + OTHER.
Expt A DA/B 38	2735	077	7.0+0	2.6+1 Koopman. NDG. GAMMA YLOS. DED. 2+-0+ SIG
$^{116}\text{Cd}(p,\text{inelastic})^{116}\text{Cd}$ raw I_γ				
3806 LRL Expt J PR/C 18	1582	078	5.0+0	2.0+1 Hansen+ CURV. 3 GAMMAS.
$^{116}\text{Cd}(p,\text{inelastic})^{116}\text{Cd}$ $\sigma(E)$				
3807 LRL Expt A BAP 21	662	76	7.0+0	2.6+1 Koopman+ NDG. ALSO DEDUCED SCT
$^{116}\text{Cd}(p,2n)^{115}\text{In}$ $\sigma(E)$				
3808 UFT Expt J IZV 39	24	75	1.2+1	2.1+1 Skakun+ TBL. AREA ANALYSIS.
Expt J BAS 39	18	75	1.2+1	2.1+1 . TRANSLATION OF IZV 39, 24(1975)
Expt 4 EXFORA0001.012	478	1.2+1	2.1+1	. 7 DATA POINTS.
$^{116}\text{Cd}(p,n)^{116}\text{In}$ $\sigma(E)$ x factor				
3809 ORL Expt J PR/C 20	2052	079	2.5+0	6.5+0 Johnson+ CURV. REDUCED SIGMAS.
Exth J PRL 39	1604	077	2.5+0	7.0+0 Johnson+ CURV. REDUCED SIGMAS.
Expt J PR/B 136	1719	064	2.5+0	5.0+0 Johnson+ CURV. RATIO CD112/CD116.
$^{116}\text{Cd}(p,n)^{116}\text{In}$ $\sigma(E)$				
3810 ORL Expt J PR/C 20	2052	079	2.5+0	5.8+0 Johnson+ CURV. CD-NAT. 111, 112, 113, 114/116
3811 CCP Expt J IZV 39	1688	75	7.3+0	8.5+0 Abramovich+ CURV.
Expt J BAS 39	103	76	7.2+0	8.4+0 . TRANSLATION OF IZV 39(8), 1688(75).
$^{116}\text{Cd}(p,n)^{116}\text{In}$ partial $\sigma(E)$ x factor				
3812 CCP Exth J IZV 39	2181	75	5.0+0	9.0+0 Skakun+ CURV. 220KEV LEV/60KEV LEV.
Exth J BAS 39	149	76	5.0+0	9.0+0 . TRANSLATION OF IZV 39, 2181(75).
$^{116}\text{Cd}(p,n)^{116}\text{In}$ including metastable $\sigma(E)$				
3813 UFT Expt J IZV 39	24	75	4.5+0	2.1+1 Skakun+ TBL. AREA ANALYSIS.
Expt J BAS 39	18	75	4.5+0	2.1+1 . TRANSLATION OF IZV 39, 24(1975)
Expt 4 EXFORA0001.013	478	4.5+0	2.1+1	. 15 DATA POINTS.
$^{116}\text{Cd}(p,n)^{116}\text{In}$ thick target yield				
3814 CLU Exth J AND 23	177	279	3.0+0	5.0+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
Expt J AJ 205	302	76	NDG	. MORE TECHNICAL DETAILS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{116}\text{Cd}(p,n)^{116\text{m}}\text{In}$ thick target yield					
3814	CLU Expt J AJ	193	187	074	NDG . MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374	NDG . MORE TECHNICAL DETAILS.
$^{110}\text{Cd}(p,n)^{110\text{m}+1+2+9}\text{In}$ summation $\sigma(E)$ factor					
3815	ORL Expt P ORNL-2910	25	60	TR	5.8+0 Johnson+ CURV.
	Expt P ORNL-2501	29	58	TR	5.7+0 Johnson+ EXPT. DETAILS.
	Expt 4 EXFORB0068.	678	2.5+0	5.7+0	. 68 PTS. 111-114CD(P,N)/116CD(P,N).
3816	KFK Comp B PH-DAT	15	2	079	2.5+0 5.7+0 Muenzel+ TBL. FROM EXFOR.
$^{118}\text{Cd}(p,n)^{118\text{m}+1+2+9}\text{In}$ summation $\sigma(E)$					
3817	ORL Expt P ORNL-2910	25	60	TR	5.7+0 Johnson+ CURV. 4PI DETECTOR.
	Expt P ORNL-2501	29	58	TR	5.7+0 Johnson+ EXPT. DETAILS.
	Expt 4 EXFORB0068.013	678	2.6+0	5.7+0	. 15 DATA POINTS.
3818	KFK Comp B PH-DAT	15	2	079	2.6+0 5.7+0 Muenzel+ TBL. FROM EXFOR.
$^{118}\text{Cd}(p,\gamma)^{117\text{m}}\text{In}$ thick target yield					
3819	CLU Exth J AND	23	177	279	3.0+0 5.0+0 Roughon+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76	NDG . MORE TECHNICAL DETAILS.
	Expt J AJ	193	187	074	NDG . MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374	NDG . MORE TECHNICAL DETAILS.
$\text{In}(p,x)$ spallation $\sigma(E)$ factor					
3820	NRL Revw J AJ/S	35	137	077	2.0+2 4.0+2 Silberberg+ TBL. RATIO CALC./EXPT.
$\text{In}(p,\text{absorption})$ $\sigma(E)$					
3821	IJI Revw J FCY	6	827	75	9.3+0 9.9+1 Nemets+ TBL.
	Revw J SJPN	6	325	76	9.3+0 9.9+1 . TRANSLATION OF FCY 6,(4),827(1975).
$\text{In}(p,\text{total})$ $\sigma(E)$ factor					
3822	ORL Exth J PRL	39	1604	077	2.5+0 7.0+0 Johnson+ CURV. REDUCED SIGMAS.
$\text{In}(p,x)n$ $\sigma(E)$					
3823	ORL Expt J PR/C	2	639	870	2.6+0 5.6+0 Johnson+ CURV. TBL. 4PI NEUT. DET.
3824	KTY Expt A BAP	23	526	478	3.0+0 7.0+0 Hershberger+ NDG. 4PI DETECTOR. DED STR
	Expt A BAP	22	998	977	3.0+0 7.0+0 Hershberger+ NDG. 4PI DETECTOR.
$\text{In}(p,x)n$ $\sigma(E)$ factor					
3825	ORL Exth J PRL	39	1604	077	2.5+0 7.0+0 Johnson+ CURV. REDUCED SIGMAS.
$\text{In}(p,x)^{113}\text{Sn}$ including metastable? thick target yield					
3826	FEI Expt J AE	39	135	75	6.0+0 2.2+1 Dmitriev+ CURV. AREA ANALYSIS.
	Expt J SJA	39	734	75	6.0+0 2.2+1 . TRANSLATION OF AE 39, 135(1975)
	Expt 4 EXFORA0004.	002	478	6.0+0	2.2+1 . 6 DATA POINTS.
$^{119}\text{In}(p,\text{absorption})$ $\sigma(E)$					
3827	KTY Expt J PR/C	21	896	380	3.0+0 6.0+0 Hershberger+ NDG. FROM (P,N)+(P,P).
$^{119}\text{In}(p,\text{total})$ $\sigma(E)$ factor					
3828	ORL Expt J PR/C	20	2052	079	2.5+0 6.5+0 Johnson+ CURV. REDUCED SIGMAS.
	Exth J PRL	39	1604	077	2.5+0 7.0+0 Johnson+ CURV. REDUCED SIGMAS.
$^{115}\text{In}(p,n)^{115}\text{Sn}$ $\sigma(E)$					
3829	ORL Expt P ORNL-2501	29	58	TR	5.7+0 Johnson+ EXPT. DETAILS.
	Expt 4 EXFORB0068.028	678	1.8+0	5.7+0	. 16 DATA POINTS.
3830	KFK Comp B PH-DAT	15	2	079	1.8+0 5.7+0 Muenzel+ TBL. FROM EXFOR.
3831	LRL Expt J PR	115	925	59	4.0+0 5.5+0 Albert. CURV.
	Expt W TO ORNL-CPX	64	5.5+0	8.1+0	Albert.
	Expt 4 EXFORB0093.020	579	4.0+0	8.1+0	. 6 DATA POINTS.
3832	CCP Expt R INDC(CCP)-133	679	6.9+0	7.1+0	Lovchikova+ NDG. TBP IN YF.
$^{119}\text{In}(p,n)^{119}\text{Sn}$ $\sigma(E)$ factor					
3833	ORL Expt J PR/C	20	2052	079	2.5+0 6.5+0 Johnson+ CURV. REDUCED SIGMAS.
$^{115}\text{In}(p,n)^{115}\text{Sn}$ $\sigma(E)$ abundance					
3834	KTY Expt J PR/C	21	896	380	3.0+0 6.0+0 Hershberger+ TBL. SMOOTHED DATA.
	Expt J PR/C	21	896	380	3.0+0 6.0+0 . PAPS PRVCA-21-896-S FOR DATA.
$\text{Sn}(p,\text{absorption})$ $\sigma(E)$					
3835	IJI Revw J FCY	6	827	75	1.0+1 1.0+2 Nemets+ TBL. CURV.
	Revw J SJPN	6	325	76	1.0+1 1.0+2 . TRANSLATION OF FCY 6,(4),827(1975).

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Sn(p,x)n σ(E)					
3836	ORL Expt J PR/C	2	639	870 2.6+0 5.8+0	Johnson+ CURV. TBL. 4PI NEUT. DET.
	Expt J PR	169	974	568 2.5+0 5.5+0	Johnson+ CURV. 4PI DETECTOR.
3837	LRL Expt J PR	115	925	59 4.0+0 5.5+0	Albert. CURV.
	Expt W TO ORNL-CPX		64	3.6+0 8.1+0	Albert.
	Expt 4 EXFOR80093.021	579	3.6+0 8.1+0		. 7 DATA POINTS.
Sn(p,x)⁹⁸Cd spallation product yield					
3838	BRK Rev J ARN	27	333	77 6.0+2	Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
Sn(p,x)¹¹⁷Sb σ(E)					
3839	CCP Rev J AE	42	311	77 8.0+0 1.1+1	Zatolokin+ TBL. ACTIVATION.
	Rev J SJA	42	344	077 8.0+0 1.1+1	. TRANSLATION OF AE 42(4), 311(1977).
Sn(p,x)^{118m}Sb σ(E)					
3840	CCP Rev J AE	42	311	77 8.0+0 1.1+1	Zatolokin+ TBL. ACTIVATION.
	Rev J SJA	42	344	077 8.0+0 1.1+1	. TRANSLATION OF AE 42(4), 311(1977).
Sn(p,x)¹²⁰Sb including metastable σ(E)					
3841	CCP Rev J AE	42	311	77 8.0+0 1.1+1	Zatolokin+ TBL. ACTIVATION.
	Rev J SJA	42	344	077 8.0+0 1.1+1	. TRANSLATION OF AE 42(4), 311(1977).
Sn(p,x)¹²²Sb σ(E)					
3842	CCP Rev J AE	42	311	77 8.0+0 1.1+1	Zatolokin+ TBL. ACTIVATION.
	Rev J SJA	42	344	077 8.0+0 1.1+1	. TRANSLATION OF AE 42(4), 311(1977).
Sn(p,x)¹²⁴Sb σ(E)					
3843	CCP Rev J AE	42	311	77 8.0+0 1.1+1	Zatolokin+ TBL. ACTIVATION.
	Rev J SJA	42	344	077 8.0+0 1.1+1	. TRANSLATION OF AE 42(4), 311(1977).
¹¹²Sn(p,x)¹⁷N σ(E)					
3844	LIN Expt J YF	25	1140	677 1.0+3	Batist+ BORON-LOADED SCIN IN PARAFFIN.
	Expt 4 EXFORA0013.002	379	1.0+3		. 1 DATA POINT.
¹¹²Sn(p,γ)¹¹³Sb thick target yield					
3845	CLU Exth J AND	23	177	279 3.0+0 4.0+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76 NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187	074 NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374 NDG	. MORE TECHNICAL DETAILS.
¹¹⁵Sn(p,n)¹¹⁵Sb thick target yield					
3846	CLU Exth J AND	23	177	279 4.7+0 6.0+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76 NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187	074 NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374 NDG	. MORE TECHNICAL DETAILS.
¹¹⁶Sn(p,absorption) σ(E)					
3847	ORL Expt J PR/C	15	915	377 5.5+0 5.7+0	Johnson+ CURV. CALC.
3848	IJI Rev J FCY	6	827	75 1.5+1 6.1+1	Nemets+ TBL.
	Rev J FCY	6	827	75 1.5+1 6.1+1	. TRANSLATION OF FCY 6.(4), 827(1975).
3849	ORL Theo C 77BNL		515	77 6.0+1	Gabriel+CURV. INTRA-NUCLEAR CASCADE MOD
¹¹⁶Sn(p,total) σ(E)					
3850	IJI Rev J FCY	6	827	75 1.5+1	Nemets+ CURV. DEPENDENCE ON N.
	Rev J SJPN	6	325	76 1.5+1	. TRANSLATION OF FCY 6.(4), 827(75).
¹¹⁶Sn(p,x)¹⁷N σ(E)					
3851	LIN Expt J YF	25	1140	677 1.0+3	Batist+ BORON-LOADED SCIN IN PARAFFIN.
	Expt 4 EXFORA0013.002	379	1.0+3		. 1 DATA POINT.
¹¹⁶Sn(p,t)¹¹⁴Sn partial σ(E)					
3852	LUO Expt J PR/C	20	397	779 5.2+1	Rangacharyulu+ TBL. INTAD(10-50). 2 LVL
¹¹⁶Sn(p,scattering)¹¹⁶Sn σ(E)					
3853	ORL Expt J PR/C	15	915	377 5.6+0	Johnson+ CALC. 10% OF (P,ABS).
3854	LRL Expt A BAP	21	662	76 7.0+0 2.6+1	Koopman+ NDG. DEDUCED FROM INELASTIC
¹¹⁶Sn(p,inelastic)¹¹⁶Sn partial σ(E)_γ					
3855	LRL Expt A BAP	23	13	178 7.0+0 2.6+1	Koopman+ NDG. CFD TO (N,INL) + OTHER.
	Expt A OAYB	38	2735	077 7.0+0 2.6+1	Koopman+ NDG. GAMMA YLDS. OED. 2+-0+ SIG
	Expt A BAP	21	662	76 7.0+0 2.6+1	Koopman+ NDG. ALSO DEDUCED SCT

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
						¹¹⁸ Sn(p,n) ¹¹⁸ Sb raw thick target yield
3856	ORL	Expt J PR/C	15	915	377 5.4+0 5.7+0	Johnson+ CURV. 4PI DETECTOR IN C.M.
						¹¹⁰ Sn(p,n) ¹¹⁸ Sb partial $\sigma(E)$
3857	ORL	Expt J PR/C	15	915	377 5.5+0 5.7+0	Johnson+ CURV. CALC. S- AND P-WAVE N'S.
						¹¹⁸ Sn(p,n) ¹¹⁸ Sb thick target yield
3858	ORL	Expt J PR/C	15	915	377 5.4+0 5.7+0	Johnson+ CURV. THR=(5531+-6)KEV. Y*=.45
						¹¹⁸ Sn(p, γ) ¹¹⁷ Sb $\sigma(E)$
3859	ORL	Expt J PR/C	15	915	377 5.6+0	Johnson+ CALC. 88% OF (P,ABS).
						¹¹⁷ Sn(p,absorption) $\sigma(E)$
3860	IJI	Rev J FCY	6	827	75 1.5+1	Nemets+ TBL. FROM PR 157,1001(1967).
		Rev J SJPN	6	325	76 1.5+1	. TRANSLATION OF FCY 6.(4).827(1975).
						¹¹⁷ Sn(p,total) $\sigma(E)$
3861	IJI	Rev J FCY	6	827	75 1.5+1	Nemets+ CURV. DEPENDENCE ON N.
		Rev J SJPN	6	325	76 1.5+1	. TRANSLATION OF FCY 6.(4).827(75).
						¹¹⁷ Sn(p,t) ¹¹⁵ Sn partial $\sigma(E)$
3862	LUQ	Expt J PR/C	20	397	779 5.2+1	Rangacharyulu+ TBL. INTAD(10-50). 8 LVL
						¹¹⁷ Sn(p,n) ¹¹⁷ Sb $\sigma(E)$
3863	ORL	Expt J PR/C	15	196	176 TR 7.1+0	Johnson+ TBL. CURV.
3864	ORL	Expt J PR/C	2	639	870 3.0+0 5.4+0	Johnson+ CURV. TBL. 4PI NEUT. DET.
		Expt J PRL	23	20	769 3.0+0 5.5+0	Johnson+ NDG. DEDUCED STRENGTH F.
3865	ETH	Expt J HPA	24	3	51 3.7+0 6.4+0	Blaser+ TBL. NATURAL FOIL.
		Expt 4 EXFOR00048.013	77	77	3.7+0 6.4+0	. 13 DATA POINTS.
3866	KFK	Comp B PH-DAT	15	2	D79 3.7+0 6.4+0	Muenzel+ TBL. FROM EXFOR.
						¹¹⁷ Sn(p,n) ¹¹⁷ Sb $\sigma(E)$ =factor
3867	ORL	Expt J PR/C	2	639	870 2.6+0 5.4+0	Johnson+CURV.4PI NEUT. DET.REL. TO SN124
						¹¹⁷ Sn(p,n) ¹¹⁷ Sb thick target yield
3868	CLU	Exth J AND	23	177	279 3.0+0 6.0+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
		Expt J AJ	205	302	76 NDG	. MORE TECHNICAL DETAILS.
		Expt J AJ	193	187	074 NDG	. MORE TECHNICAL DETAILS.
		Expt J AJ	188	595	374 NDG	. MORE TECHNICAL DETAILS.
						¹¹⁸ Sn(p,absorption) $\sigma(E)$
3869	ORL	Expt J PR/C	15	915	377 4.5+0 4.6+0	Johnson+ CURV. CALC.
3870	IJI	Rev J FCY	6	827	75 1.5+1	Nemets+ TBL.
		Rev J SJPN	6	325	76 1.5+1	. TRANSLATION OF FCY 6.(4).827(1975).
						¹¹⁸ Sn(p,total) $\sigma(E)$
3871	IJI	Rev J FCY	6	827	75 1.5+1	Nemets+ CURV. DEPENDENCE ON N.
		Rev J SJPN	6	325	76 1.5+1	. TRANSLATION OF FCY 6.(4).827(75).
						¹¹⁸ Sn(p,t) ¹¹⁸ Sn partial $\sigma(E)$
3872	LUQ	Expt J PR/C	20	397	779 5.2+1	Rangacharyulu+ TBL. INTAD(10-50). 2 LVL
						¹¹⁸ Sn(p,scattering) ¹¹⁸ Sn $\sigma(E)$
3873	ORL	Expt J PR/C	15	915	377 4.5+0	Johnson+ CALC. 2% OF (P,ABS).
						¹¹⁸ Sn(p,n) ¹¹⁸ Sb raw thick target yield
3874	ORL	Expt J PR/C	15	915	377 4.4+0 4.6+0	Johnson+ CURV. 4PI DETECTOR IN C.M.
						¹¹⁸ Sn(p,n) ¹¹⁸ Sb partial $\sigma(E)$
3875	ORL	Expt J PR/C	15	914	377 4.5+0 4.6+0	Johnson+ CURV. CALC. S- AND P-WAVE N'S.
						¹¹⁸ Sn(p,n) ¹¹⁸ Sb $\sigma(E)$
3876	ORL	Expt J PR/C	15	196	176 TR 7.1+0	Johnson+ TBL. CURV.
3877	ORL	Expt J PR/C	2	639	870 4.6+0 5.3+0	Johnson+ CURV. TBL. 4PI NEUT. DET.
						¹¹⁸ Sn(p,n) ¹¹⁸ Sb $\sigma(E)$ =factor
3878	ORL	Expt J PR/C	2	639	870 4.5+0 5.5+0	Johnson+CURV.4PI NEUT. DET.REL. TO SN124
						¹¹⁸ Sn(p,n) ¹¹⁸ Sb thick target yield
3879	ORL	Expt J PR/C	15	915	377 4.4+0 4.6+0	Johnson+ CURV. TR=(4477+-3)KEV. Y*=0.5

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{118}\text{Sn}(p,\gamma)^{118}\text{Sb}$ $\sigma(E)$					
3880	ORL Expt J PR/C	15	915	377 4.5+0	Johnson+ CALC. 82% OF (P.ABS).
$^{118}\text{Sn}(p,\text{absorption})$ $\sigma(E)$					
3881	IJI Revv J FCY	6	827	75 1.5+1	Nemets+ TBL. FROM PR 157,1001(1967).
	Revv J SJPN	6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).
$^{119}\text{Sn}(p,x)^{117}\text{N}$ $\sigma(E)$					
3882	LIN Expt J YF	25	1140	677 1.0+3	Battist+ BORON-LOADED SCIN IN PARAFFIN.
	Expt 4 EXFORA0013.002	379	1.0+3		. 1 DATA POINT.
$^{119}\text{Sn}(p,t)^{117}\text{Sn}$ partial $\sigma(E)$					
3883	LUQ Expt J PR/C	20	397	779 5.2+1	Rangacharyulu+ TBL. INTAD(10-50). 7 LVL
$^{119}\text{Sn}(p,n)^{119}\text{Sb}$ product yield					
3884	MIN Expt A DA/B	37	5173	477 1.6+1	2.0+1 Fitzgerald+NDG.IAS. DLY P COIN. WITH N
$^{119}\text{Sn}(p,n)^{119}\text{Sb}$ $\sigma(E)$					
3885	ORL Expt J PR/C	15	196	176 TR	7.1+0 Johnson+ TBL. CURV.
3886	ORL Expt J PR/C	2	639	870 3.0+0	5.1+0 Johnson+ CURV. TBL. 4PI NEUT. DET.
	Expt J PRL	23	20	769 3.0+0	5.5+0 Johnson+ NDG. DEDUCED STRENGTH F.
3887	LRL Expt J PR/C	16	2181	077 1.7+1	2.0+1 Fitzgerald+ TBL. CURV.SN119(IAS). INTAD
$^{119}\text{Sn}(p,n)^{119}\text{Sb}$ $\sigma(E)$ factor					
3888	ORL Expt J PR/C	2	639	870 2.5+0	5.5+0 Johnson+CURV.4PI NEUT. DET.REL. TO SN124
3889	MIN Expt J PR/C	16	2181	077 1.6+1	2.0+1 Fitzgerald+TBL.CURV.SN119(IAS).FCT=GP/G
$^{119}\text{Sn}(p,n)^{119}\text{Sb}$ partial $\sigma(E)$					
3890	MIN Expt J PR/C	18	1207	978 1.6+1	1.8+1 Fitzgerald+ CURV. TOTAL IAR OF ^{118}Sn .
$^{120}\text{Sn}(p,\text{absorption})$ $\sigma(E)$					
3891	IJI Revv J FCY	6	827	75 1.5+1	5.0+1 Nemets+ TBL.
	Revv J SJPN	6	325	76 1.5+1	5.0+1 . TRANSLATION OF FCY 6,(4),827(1975).
3892	ORL Theo C 77BNL		515	77 2.8+1	6.5+1 Gabriel+CURV. INTRA-NUCLEAR CASCADE MOD
$^{120}\text{Sn}(p,\text{total})$ $\sigma(E)$					
3893	IJI Revv J FCY	6	827	75 1.5+1	Nemets+ CURV. DEPENDENCE ON N.
	Revv J SJPN	6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(75).
$^{120}\text{Sn}(p,x)^{117}\text{N}$ $\sigma(E)$					
3894	LIN Expt J YF	25	1140	677 1.0+3	Battist+ BORON-LOADED SCIN IN PARAFFIN.
	Expt 4 EXFORA0013.002	379	1.0+3		. 1 DATA POINT.
$^{120}\text{Sn}(p,\text{inelastic})^{120}\text{Sn}$ partial $\sigma(E)$					
3895	LRL Expt A BAP	23	13	178 7.0+0	2.6+1 Koopman+ NDG. CFD TO (N,INL) + OTHER.
	Expt A DA/B	38	2735	077 7.0+0	2.6+1 Koopman+NDG. GAMMA YLDS. DED. 2+-0+ SIG
$^{120}\text{Sn}(p,n)^{120}\text{Sb}$ partial cumulative $\sigma(E)$					
3896	TIT Expt J NP/A	314	80	179 3.6+0	4.1+0 Adachi+ CURV. 14LEV. FRM G TTY. ALSO CN
$^{120}\text{Sn}(p,n)^{120}\text{Sb}$ partial cumulative thick target yield					
3897	TIT Expt J NP/A	314	80	179 3.6+0	4.1+0 Adachi+ NDG. GAMMA THICK TARGET YIELDS
$^{120}\text{Sn}(p,n)^{120}\text{Sb}$ $\sigma(E)$					
3898	ORL Expt J PR/C	15	196	176 TR	7.1+0 Johnson+ TBL. CURV.
3899	ORL Expt J PR/C	2	639	870 3.6+0	5.3+0 Johnson+ CURV. TBL. 4PI NEUT. DET.
	Expt J PRL	23	20	769 3.0+0	5.5+0 Johnson+ NDG. DEDUCED STRENGTH F.
$^{120}\text{Sn}(p,n)^{120}\text{Sb}$ $\sigma(E)$ factor					
3900	ORL Expt J PR/C	2	639	870 3.5+0	5.5+0 Johnson+CURV.4PI NEUT. DET.REL. TO SN124
$^{120}\text{Sn}(p,n)^{120}\text{Sb}$ thick target yield					
3901	CLU Exth J AND	23	177	279 3.3+0	6.0+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76 NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187	074 NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374 NDG	. MORE TECHNICAL DETAILS.
$^{120}\text{Sn}(p,n)^{120}\text{Sb}$ $\sigma(E)$					
3902	ETH Expt J HPA	24	3	51 3.6+0	6.4+0 Blaser+ TBL. NATURAL FOIL.
	Expt 4 EXFORB0048.014	77	3.6+0	6.4+0	. 14 DATA POINTS.
3903	KFK Comp B PH-DAT	15	2	079 3.6+0	6.4+0 Muenzel+ TBL. FROM EXFOR.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{122}\text{Sn}(p,x)^{17}\text{N}$ $\sigma(E)$						
3904	LIN Expt J YF	25	1140	677	1.0+3	Batist+ BORON-LOADED SCIN IN PARAFFIN.
	Expt 4 EXFORA0013.002	379	1.0+3			. 1 DATA POINT.
$^{122}\text{Sn}(p,n)^{122}\text{Sb}$ including metastable $\sigma(E)$						
3905	ETH Expt J HPA	24	3	51	3.7+0	Blaser+ TBL. NATURAL FOIL.
	Expt 4 EXFORB0048.015	77	3.7+0	6.4+0		. 13 DATA POINTS.
3906	KFK Comp B PH-OAT	15	2	079	3.7+0	Muenzel+ TBL. FROM EXFOR.
$^{122}\text{Sn}(p,n)^{122}\text{Sb}$ $\sigma(E)$						
3907	ORL Expt J PR/C	15	196	176	TR	7.1+0 Johnson+ TBL. CURV.
3908	ORL Expt J PR/C	2	639	870	3.0+0	5.2+0 Johnson+ CURV. TBL. 4PI NEUT. DET.
	Expt J PRL	23	20	769	3.0+0	5.5+0 Johnson+ NDG. DEDUCED STRENGTH F.
$^{122}\text{Sn}(p,n)^{122}\text{Sb}$ $\sigma(E) \times \text{factor}$						
3909	ORL Expt J PR/C	2	639	870	2.4+0	5.5+0 Johnson+CURV.4PI NEUT. DET.REL. TO SN124
$^{122}\text{Sn}(p,n)^{122}\text{Sb}$ thick target yield						
3910	CLU Exth J AND	23	177	279	3.8+0	6.0+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187	074	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374	NDG	. MORE TECHNICAL DETAILS.
$^{124}\text{Sn}(p,x)^{17}\text{N}$ $\sigma(E)$						
3911	LIN Expt J YF	25	1140	677	1.0+3	Batist+ BORON-LOADED SCIN IN PARAFFIN.
	Expt 4 EXFORA0013.002	379	1.0+3			. 1 DATA POINT.
$^{124}\text{Sn}(p,n)^{124}\text{Sb}$ $\sigma(E)$						
3912	ORL Expt J PR/C	15	196	176	TR	7.1+0 Johnson+ TBL. CURV.
3913	ORL Expt J PR/C	2	639	870	2.5+0	5.5+0 Johnson+ CURV. TBL. 4PI NEUT. DET.
	Expt J PRL	23	20	769	3.0+0	5.5+0 Johnson+ NDG. DEDUCED STRENGTH F.
$^{124}\text{Sn}(p,n)^{124}\text{Sb}$ thick target yield						
3914	CLU Exth J AND	23	177	279	4.0+0	6.0+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187	074	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374	NDG	. MORE TECHNICAL DETAILS.
$\text{Sb}(p, \text{absorption})$ $\sigma(E)$						
3915	IJI Revv J FCY	6	827	75	1.3+2	Nemets+ TBL. FROM PPS 67.125(1954).
	Revv J SJPN	6	325	76	1.3+2	. TRANSLATION OF FCY 6.(4).827(1975).
$\text{Sb}(p, \text{inelastic})$ partial thick target yield,						
3916	IND Expt J PS	16	87	77	2.5+0	4.5+0 Kulkarni+ NDG. COUL. EXIC. DEDUCED B(E2)
$\text{Sb}(p,x)^{121}\text{Te}$ thick target yield						
3917	GRN Expt J ARI	27	15	76	2.0+1	Bukshpan+ NDG.
$\text{Sb}(p,x)^{121}\text{Te}$ thick target yield $\times$ factor						
3918	CCP Expt J AE	42	148	277	7.1+0	2.2+1 Dmitriev+ TBL. CURV. C1/A-H
	Expt J SJA	42	168	77	7.1+0	2.2+1 .TRANSLATION OF AE 42(2), 148(1977)
$\text{Sb}(p,x)^{121}\text{Te}$ thick target yield $\times$ factor						
3919	CCP Expt J AE	42	148	277	7.1+0	2.2+1 Dmitriev+ TBL. CURV. C1/A-H
	Expt J SJA	42	168	77	7.1+0	2.2+1 .TRANSLATION OF AE 42(2), 148(1977)
$\text{Sb}(p,x)^{121}\text{Te}$ $\sigma(E)$						
3920	CCP Revv J AE	42	311	77	8.0+0	1.1+1 Zolotokin+ TBL. ACTIVATION.
	Revv J SJA	42	344	077	8.0+0	1.1+1 . TRANSLATION OF AE 42(4), 311(1977).
$\text{Sb}(p,x)^{123}\text{Te}$ thick target yield $\times$ factor						
3921	CCP Expt J AE	42	148	277	7.1+0	2.2+1 Dmitriev+ TBL. CURV. C1/A-H
	Expt J SJA	42	168	77	7.1+0	2.2+1 .TRANSLATION OF AE 42(2), 148(1977)
$\text{Sb}(p,x)^{123}\text{Te}$ $\sigma(E)$						
3922	CCP Revv J AE	42	311	77	8.0+0	1.1+1 Zolotokin+ TBL. ACTIVATION.
	Revv J SJA	42	344	077	8.0+0	1.1+1 . TRANSLATION OF AE 42(4), 311(1977).
$^{121}\text{Sb}(p,\alpha)^{118}\text{Sn}$ $\sigma(E)$						
3923	MIL Expt J NC/A	39	171	577	2.3+1	Collis+ (15.6+-4.7)MB. E/A INT.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
		$^{121}\text{Sb}(p,n+p)^{120}\text{Sb}$	thick target yield			
3924	KRU Expt J TAL	26	741	79 1.5+1	2.5+1 Krivan+	TBL. RADIOCHEM.
		$^{121}\text{Sb}(p,3n)^{118}\text{Te}$	thick target yield			
3925	KRU Expt J TAL	26	741	79 2.1+1	2.5+1 Krivan+	TBL. RADIOCHEM.
		$^{121}\text{Sb}(p,3n)^{119}\text{Te}$	thick target yield			
3926	KRU Expt J TAL	26	741	79 2.1+1	2.5+1 Krivan+	TBL. RADIOCHEM.
		$^{121}\text{Sb}(p,2n)^{120}\text{Te}$	$\sigma(E)$			
3927	TOK Expt J NP	74	81	65 1.4+1		Sakai+ TBL. DEDUCED FRM $2^{+}-0^{+}$ TRANS.
		$^{121}\text{Sb}(p,n)^{121}\text{Te}$	thick target yield*abundance			
3928	FEI Expt J AE	42	148	277 7.1+0	2.2+1 Dmitriev+	
	Expt J SJA	42	168	277 7.1+0	2.2+1	TRANSLATION OF AE 42, 148(1977).
	Expt 4 EXFORA0017.002	379	7.1+0	2.2+1	6 DATA POINTS.	
		$^{121}\text{Sb}(p,n)^{121}\text{Te}$	thick target yield			
3929	KRU Expt J TAL	26	741	79 9.0+0	2.5+1 Krivan+	NDG. RADIOCHEM.
		$^{121}\text{Sb}(p,n)^{121}\text{Te}$	thick target yield*abundance			
3930	FEI Expt J AE	42	148	277 7.1+0	2.2+1 Dmitriev+	
	Expt J SJA	42	168	277 7.1+0	2.2+1	TRANSLATION OF AE 42, 148(1977).
	Expt 4 EXFORA0017.002	379	7.1+0	2.2+1	6 DATA POINTS.	
		$^{121}\text{Sb}(p,n)^{121}\text{Te}$	thick target yield			
3931	KRU Expt J TAL	26	741	79 9.0+0	2.5+1 Krivan+	NDG. RADIOCHEM.
		$^{123}\text{Sb}(p,\alpha)^{120}\text{Sn}$	$\sigma(E)$			
3932	MIL Expt J NC/A	39	171	577 2.3+1		Collis+ (13.5+-4.1)MB. E/A INT.
		$^{123}\text{Sb}(p,n+p)^{122}\text{Sb}$	thick target yield			
3933	KRU Expt J TAL	26	741	79 1.5+1	2.5+1 Krivan+	TBL. RADIOCHEM.
		$^{123}\text{Sb}(p,3n)^{121}\text{Te}$	thick target yield			
3934	KRU Expt J TAL	26	741	79 9.0+0	2.5+1 Krivan+	TBL. RADIOCHEM.
		$^{123}\text{Sb}(p,3n)^{121}\text{Te}$	thick target yield			
3935	KRU Expt J TAL	26	741	79 9.0+0	2.5+1 Krivan+	TBL. RADIOCHEM.
		$^{123}\text{Sb}(p,2n)^{122}\text{Te}$	$\sigma(E)$			
3936	TOK Expt J NP	74	81	65 1.4+1		Sakai+ TBL. DEDUCED FRM $2^{+}-0^{+}$ TRANS.
		$^{123}\text{Sb}(p,n)^{123}\text{Te}$	thick target yield*abundance			
3937	FEI Expt J AE	42	148	277 7.1+0	2.2+1 Dmitriev+	
	Expt J SJA	42	168	277 7.1+0	2.2+1	TRANSLATION OF AE 42, 148(1977).
	Expt 4 EXFORA0017.002	379	7.1+0	2.2+1	6 DATA POINTS.	
		$^{123}\text{Sb}(p,n)^{123}\text{Te}$	thick target yield			
3938	KRU Expt J TAL	26	741	79 9.0+0	2.5+1 Krivan+	TBL. RADIOCHEM.
		$\text{Te}(p,x)n$	$\sigma(E)$ *factor			
3939	ORL Expt J PR/C	20	2052	D79 2.6+0	5.7+0 Johnson+	CURV. RATIO TO SMOOTH TE130.
		$\text{Te}(p,x)^{123}\text{I}$	product yield			
3940	KTY Expt J IRE	26	1721	279 +0		Coope+ NDG. PRELIMINARY TESTS.
		$^{120}\text{Te}(p,n+p)^{119}\text{Te}$	thick target yield*factor			
3941	KRU Expt J TAL	26	741	79 2.5+1		Krivan+ TBL. INTEF IN SB. EST. FRM SYS
		$^{120}\text{Te}(p,n+p)^{119}\text{Te}$	thick target yield*factor			
3942	KRU Expt J TAL	26	741	79 2.5+1		Krivan+ TBL. INTEF IN SB. EST. FRM SYS
		$^{122}\text{Te}(p,n+p)^{121}\text{Te}$	thick target yield*factor			
3943	KRU Expt J TAL	26	741	79 1.5+1	2.5+1 Krivan+	TBL. INTEF IN SB. EST. FRM SYS
		$^{122}\text{Te}(p,n+p)^{121}\text{Te}$	thick target yield*factor			
3944	KRU Expt J TAL	26	741	79 1.5+1	2.5+1 Krivan+	TBL. INTEF IN SB. EST. FRM SYS
		$^{122}\text{Te}(p,n)^{122}\text{I}$	$\sigma(E)$ *factor			
3945	ORL Expt J PR/C	20	2052	D79 2.6+0	5.7+0 Johnson+	CURV. RATIO TE122/TE130.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{123}\text{Te}(p,n)^{123}\text{I}$ thick target yield					
3946	CLU Exth J AND	23	177	279 3.0+0	6.3+0 Roughton+ TBL.
	Exth J AND	23	177	279 3.0+0	6.3+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76 NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187	074 NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374 NDG	. MUHL TECHNICAL DETAILS.
3947	JUL Revv J JRC	30	53	76 1.5+1	1.6+1 Weinreich+ TBL.
$^{123}\text{Te}(p,n)^{123}\text{I}$ $\sigma(E)$ =factor					
3948	NED Expt J ARI	28	255	377 1.0+1	1.9+1 Van-Den-Bosch+ CURV. 67.3PER CENT TE123
$^{123}\text{Te}(p,n)^{123}\text{I}$ thick target yield=factor					
3949	NED Expt J ARI	28	255	377 1.5+1	Van-Den-Bosch+TBL 2MEV THCK 87.45%TE123
$^{123}\text{Te}(p,n)^{123}\text{I}$ $\sigma(E)$					
3950	JUL Comp J NIM	146	301	077 1.5+1	Schult. NDG. ARI 25, 535(1974).
$^{123}\text{Te}(p,x)^{124}\text{I}$ $\sigma(E)$ =factor					
3951	NED Expt J ARI	28	255	377 1.0+1	1.9+1 Van-Den-Bosch+CURV. 67.3% TE123. IMPUR.
$^{123}\text{Te}(p,x)^{126}\text{I}$ $\sigma(E)$ =factor					
3952	NED Expt J ARI	28	255	377 1.0+1	1.8+1 Van-Den-Bosch+CURV. 67.3% TE123. IMPUR.
$^{123}\text{Te}(p,x)$ isotopic distribution product yield					
3953	KTY Expt J IRE	26	1721	279 5.0+0	6.0+0 Coope+ TBL. 84.4% ENRICH. 1 PRODUCTION.
$^{124}\text{Te}(p,n+p)^{123}\text{Te}$ thick target yield=factor					
3954	KRU Expt J TAL	26	741	79 1.5+1	2.5+1 Krivan+ TBL. INTEF IN SB. EST. FRM SYS
$^{124}\text{Te}(p,2n)^{123}\text{I}$ product yield					
3955	USA Revv J IRE	26	1703	279 NDG	Beaver+ 10.0 MCI/MUAHR.
$^{124}\text{Te}(p,2n)^{123}\text{I}$ thick target yield					
3956	BNL Expt J ARI	28	765	977 2.6+1	Kondo+OPT.PROD.=10.6MILLICURIE/MICROAHR
	Expt J ARI	28	395	77 2.6+1	2.8+1 Kondo+TBL.VAR THCKNSS+PURITY CFD OTHER.
	Expt J ARI	28	395	77 1.2+1	2.9+1 Kondo+CURV.91.86PRCNT. CFD ARI 26,741
3957	JUL Revv J JRC	30	53	76 2.8+1	3.0+1 Weinreich+ TBL.
3958	AML Revv J IRE	26	2281	479 3.0+1	Chaudri. TBL. CFD EXP. TO CALC.
$^{124}\text{Te}(p,2n)^{123}\text{I}$ $\sigma(E)$ =factor					
3959	NED Expt J ARI	28	255	377 9.0+0	2.3+1 Van-Den-Bosch+ CURV. 88.5PER CENT TE124
3960	BNL Expt J ARI	28	395	77 1.9+1	2.9+1 Kondo+CURV.THCKNSS+TIME ON 1124/123 RAT
	Expt 4 EXFORB0090	003	579	1.2+1	2.9+1 . 28 DATA POINTS. TWO SAMPLE ENRICHMENT
3961	CAR Expt J JIN	31	1915	69 4.0+2	Reuland+ (P,2N)/(P,N)-2.01+-20PER CENT
$^{124}\text{Te}(p,2n)^{123}\text{I}$ thick target yield=factor					
3962	BNL Expt J ARI	28	765	977 1.9+1	2.9+1 Kondo+CURV. RAT FUNC OF PURITY+THCKNSS
	Expt J ARI	28	395	477 2.6+1	2.7+1 Kondo+ TBL. 99.87% TE124. 1MEV THICK.
	Expt J ARI	28	395	477 1.2+1	2.9+1 Kondo+TBL.CURV.91.86% TE124. 1MEV THICK
3963	NED Expt J ARI	28	255	377 2.4+1	Van-Den-Bosch+TBL 4MEV THCK 91.86%TE124
$^{124}\text{Te}(p,2n)^{123}\text{I}$ $\sigma(E)$					
3964	BNL Expt J ARI	28	395	477 1.2+1	2.8+1 Kondo+ CURV. TBL. 99.87PER CENT TE124
	Expt J ARI	28	395	477 1.2+1	2.9+1 Kondo+ CURV. TBL. 91.86PER CENT TE124
3965	JUL Comp J NIM	146	301	077 2.8+1	Schult. NDG. ARI 25, 535(1974).
3966	KFK Comp B PH-DAT	15	2	079 4.0+2	Muenzel+ TBL. FROM EXFOR.
3967	CAR Expt J JIN	31	1915	69 4.0+2	Reuland+ ENRICHED METAL IN AL-MATRIX.
	Expt 4 EXFORB0071	010	678	4.0+2	. 3.6MB+-18PER CENT.
$^{124}\text{Te}(p,n)^{124}\text{I}$ product yield					
3968	USA Revv J IRE	26	1703	279 NDG	Beaver+ 0.7 PERCENT IMPURITY OF 1231
$^{124}\text{Te}(p,n)^{124}\text{I}$ $\sigma(E)$ =factor					
3969	ORL Expt J PR/C	20	2052	079 2.6+0	5.7+0 Johnson+CURV. RATIO TE124/TE130.
3970	NED Expt J ARI	28	255	377 9.0+0	2.3+1 Van-Den-Bosch+ CURV. 88.5PER CENT TE124
3971	JUL Revv C 78HARWEL	667	78	1.8+1	2.9+1 Stocklin+CURV.X IMPURITY OF 1231.3 REF
3972	BNL Expt J ARI	28	395	77 1.9+1	2.9+1 Kondo+CURV.THCKNSS+TIME ON 1124/123 RAT
	Expt 4 EXFORB0090	002	579	1.0+1	2.9+1 . 29 DATA POINTS. TWO SAMPLE ENRICHMENT
3973	CAR Expt J JIN	31	1915	69 4.0+2	Reuland+ (P,2N)/(P,N)-2.81+-20PER CENT

REFERENCES(cont)

No.	Lab Work Type	Reference	EnIn (MeV)	Emax (MeV)	Author, Comments
$^{124}\text{Te}(p,n)^{124}\text{I}$ $\sigma(E)$					
3974	BNL Expt J ARI	20 395 477 1.0+1	2.8+1	Kondo+ CURV. TBL. 99.87PER CENT TE124	
	Expt J ARI	28 395 477 1.2+1	2.9+1	Kondo+ CURV. TBL. 91.86PER CENT TE124	
3975	KFK Comp B PH-DAT	15 2 079 4.0+2		Muenzel+ TBL. FROM EXFOR.	
3976	CAR Expt J JIN	31 1915 69 4.0+2		Reuland+ ENRICHED METAL IN AL-MATRIX.	
	Expt 4 EXFORB0071.009	678 4.0+2		. 1.3MB+-18PER CENT.	
$^{124}\text{Te}(p,n)^{124}\text{I}$ thick target yield					
3977	BNL Expt J ARI	28 765 977 1.2+1		Kondo+OPT.PROD.=.093MILLICURIE/MICROAHR	
$^{124}\text{Te}(p,n)^{124}\text{I}$ thick target yield*factor					
3978	BNL Expt J ARI	28 765 977 1.9+1	2.9+1	Kondo+CURV. RAT FUNC OF PURITY+THCKNSS	
$^{125}\text{Te}(p,\text{total})$ $\sigma(E)$ *factor					
3979	ORL Expt J PR/C	20 2052 079 2.5+0	6.5+0	Johnson+ CURV. REDUCED SIGMAS.	
	Exth J PRL	39 1604 077 2.5+0	7.0+0	Johnson+ CURV. REDUCED SIGMAS.	
$^{125}\text{Te}(p,3n)^{123}\text{I}$ $\sigma(E)$					
3980	KFK Comp B PH-DAT	15 1 079 4.0+2		Muenzel+ TBL. FROM EXFOR.	
3981	PUP Expt J PR	178 1732 269 4.0+2		Church+ TBL. 125TE + AL PELLET.	
	Expt 4 EXFORB0024.024	77 4.0+2		. (2.02+-0.95)MB.	
$^{125}\text{Te}(p,2n)^{124}\text{I}$ $\sigma(E)$					
3982	KFK Comp B PH-DAT	15 1 079 4.0+2		Muenzel+ TBL. FROM EXFOR.	
3983	PUP Expt J PR	178 1732 269 4.0+2		Church+ TBL. 125TE + AL PELLET.	
	Expt 4 EXFORB0024.023	77 4.0+2		. (3.12+-0.40)MB.	
$^{125}\text{Te}(p,n)^{125}\text{I}$ $\sigma(E)$					
3984	KFK Comp B PH-DAT	15 1 079 4.0+2		Muenzel+ TBL. FROM EXFOR.	
3985	PUP Expt J PR	178 1732 269 4.0+2		Church+ TBL. 125TE + AL PELLET.	
	Expt 4 EXFORB0024.022	77 4.0+2		. (1.23+-0.16)MB.	
$^{125}\text{Te}(p,n)^{125}\text{I}$ $\sigma(E)$ *factor					
3986	ORL Expt J PR/C	20 2052 079 2.6+0	5.7+0	Johnson+CURV. RATIO TE125/TE130.	
	Expt J PR/C	20 2052 079 2.5+0	6.5+0	Johnson+ CURV. REDUCED SIGMAS.	
$^{125}\text{Te}(p,n)^{125+9}\text{I}$ summation $\sigma(E)$ *factor					
3987	ORL Expt P ORNL-2910	25 60 TR	5.7+0	Johnson+ CURV. THICKER TRGT. 4PI DETECT	
	Expt P ORNL-2501	29 58 TR	5.7+0	Johnson+ EXPT. DETAILS.	
	Expt 4 EXFORB0068.036	678 3.0+0	5.7+0	. 14 DATA POINTS. 125TE(P,N)/130TE(P,N)	
3988	KFK Comp B PH-DAT	15 2 079 3.0+0	5.7+0	Muenzel+ TBL. FROM EXFOR.	
$^{126}\text{Te}(p,\text{total})$ $\sigma(E)$ *factor					
3989	ORL Expt J PR/C	20 2052 079 2.5+0	6.5+0	Johnson+ CURV. REDUCED SIGMAS.	
	Exth J PRL	39 1604 077 2.5+0	7.0+0	Johnson+ CURV. REDUCED SIGMAS.	
$^{126}\text{Te}(p,4n)^{123}\text{I}$ $\sigma(E)$					
3990	KFK Comp B PH-DAT	15 1 079 4.0+2		Muenzel+ TBL. FROM EXFOR.	
3991	PUP Expt J PR	178 1732 269 4.0+2		Church+ TBL. 126TE + AL PELLET.	
	Expt 4 EXFORB0024.028	77 4.0+2		. (2.50+-0.32)MB.	
$^{126}\text{Te}(p,3n)^{124}\text{I}$ $\sigma(E)$					
3992	KFK Comp B PH-DAT	15 1 079 4.0+2		Muenzel+ TBL. FROM EXFOR.	
3993	PUP Expt J PR	178 1732 269 4.0+2		Church+ TBL. 126TE + AL PELLET.	
	Expt 4 EXFORB0024.027	77 4.0+2		. (3.52+-0.44)MB.	
$^{126}\text{Te}(p,2n)^{125}\text{I}$ $\sigma(E)$					
3994	KFK Comp B PH-DAT	15 1 079 4.0+2		Muenzel+ TBL. FROM EXFOR.	
3995	PUP Expt J PR	178 1732 269 4.0+2		Church+ TBL. 126TE + AL PELLET.	
	Expt 4 EXFORB0024.026	77 4.0+2		. (3.33+-0.41)MB.	
$^{126}\text{Te}(p,n)^{126}\text{I}$ $\sigma(E)$					
3996	KFK Comp B PH-DAT	15 1 079 4.0+2		Muenzel+ TBL. FROM EXFOR.	
3997	PUP Expt J PR	178 1732 269 4.0+2		Church+ TBL. 126TE + AL PELLET.	
	Expt 4 EXFORB0024.025	77 4.0+2		. (0.92+-0.12)MB.	
$^{126}\text{Te}(p,n)^{126}\text{I}$ $\sigma(E)$ *factor					
3998	ORL Expt J PR/C	20 2052 079 2.6+0	5.7+0	Johnson+CURV. RATIO TE126/TE130.	
	Expt J PR/C	20 2052 079 2.5+0	6.5+0	Johnson+ CURV. REDUCED SIGMAS.	

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
¹²⁶Te(p,n)¹²⁶I thick target yield					
3999	CLU Exth J AND	23	177 279	3.0+0 6.3+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302 76	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187 074	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595 374	NDG	. MORE TECHNICAL DETAILS.
¹²⁶Te(p,n)^{126m}g summation $\sigma(E)$ factor					
4000	ORL Expt P ORNL-2910	25	60 TR	5.7+0	Johnson+ CURV. THICKER TRGT. 4PI DETECT
	Expt P ORNL-2501	29	58 TR	5.7+0	Johnson+ EXPT. DETAILS.
	Expt 4 EXFORB0068.037	678	2.9+0 5.7+0		. 20 DATA POINTS. ¹²⁶ TE(P,N)/ ¹³⁰ TE(P,N)
4001	KFK Comp B PH-DAT	15	2 079	2.9+0 5.7+0	Muenzel+ TBL. FROM EXFOR.
¹²⁸Te(p,total) $\sigma(E)$ factor					
4002	ORL Expt J PR/C	20	2052 079	2.5+0 6.5+0	Johnson+ CURV. REDUCED SIGMAS.
	Exth J PRL	39	1604 077	2.5+0 7.0+0	Johnson+ CURV. REDUCED SIGMAS.
¹²⁸Te(p,n)¹²⁸I $\sigma(E)$ factor					
4003	ORL Expt J PR/C	20	2052 079	2.6+0 5.7+0	Johnson+ CURV. RATIO ¹²⁸ TE/ ¹²⁶ TE ₁₃₀ .
	Expt J PR/C	20	2052 079	2.5+0 6.5+0	Johnson+ CURV. REDUCED SIGMAS.
	Exth J PRL	39	1604 077	2.5+0 7.0+0	Johnson+ CURV. REDUCED SIGMAS.
¹²⁸Te(p,n)¹²⁸I thick target yield					
4004	CLU Exth J AND	23	177 279	2.8+0 6.3+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302 76	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187 074	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595 374	NDG	. MORE TECHNICAL DETAILS.
¹²⁸Te(p,n)^{128m}g raw $\sigma(E)$					
4005	MCG Expt J JIN	38	365 76	1.7+1	Diksic+ NO ISOMER FOUND (T _{1/2} =15-2500).
¹²⁸Te(p,n)^{128m}g summation $\sigma(E)$ factor					
4006	ORL Expt P ORNL-2910	25	60 TR	5.7+0	Johnson+ CURV. THICKER TRGT. 4PI DETECT
	Expt P ORNL-2501	29	58 TR	5.7+0	Johnson+ EXPT. DETAILS.
	Expt 4 EXFORB0068.038	678	3.0+0 5.7+0		. 13 DATA POINTS. ¹²⁸ TE(P,N)/ ¹³⁰ TE(P,N)
4007	KFK Comp B PH-DAT	15	2 079	3.0+0 5.7+0	Muenzel+ TBL. FROM EXFOR.
¹³⁰Te(p,total) $\sigma(E)$ factor					
4008	ORL Expt J PR/C	20	2052 079	2.5+0 6.5+0	Johnson+ CURV. REDUCED SIGMAS.
	Exth J PRL	39	1604 077	2.5+0 7.0+0	Johnson+ CURV. REDUCED SIGMAS.
¹³⁰Te(p,n)¹³⁰I $\sigma(E)$ factor					
4009	ORL Exth J PRL	39	1604 077	2.5+0 7.0+0	Johnson+ CURV. REDUCED SIGMAS.
4010	ORL Expt J PR/C	20	2052 079	2.6+0 5.7+0	Johnson+ CURV. TE-NAT. ¹²² , ¹²⁴ , ¹²⁶ , ¹²⁸ , ¹³⁰ .
	Expt J PR/C	20	2052 079	2.5+0 6.5+0	Johnson+ CURV. REDUCED SIGMAS.
4011	NED Expt J ARI	28	255 377	1.0+1 1.9+1	Van-Den-Bosch+ CURV. 67.3% ¹²¹ TE ₁₂₃ . IMPUR.
¹³⁰Te(p,n)¹³⁰I $\sigma(E)$					
4012	ORL Expt J PR/C	20	2052 079	2.5+0 6.0+0	Johnson+ TBL. CURV. SMOOTHED DATA.
	Expt J PR/C	20	2052 079	2.6+0 5.7+0	Johnson+ CURV. RATIO TO SMOOTH.
¹³⁰Te(p,n)^{130m}g thick target yield					
4013	CLU Exth J AND	23	177 279	2.8+0 6.3+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302 76	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187 074	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595 374	NDG	. MORE TECHNICAL DETAILS.
¹³⁰Te(p,n)^{130m}g thick target yield					
4014	CLU Exth J AND	23	177 279	2.8+0 6.3+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302 76	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187 074	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595 374	NDG	. MORE TECHNICAL DETAILS.
¹³⁰Te(p,n)^{130m}g summation $\sigma(E)$					
4015	ORL Expt P ORNL-2910	25	60 TR	5.7+0	Johnson+ CURV. 4PI DETECTOR.
	Expt P ORNL-2501	29	58 TR	5.7+0	Johnson+ EXPT. DETAILS.
	Expt 4 EXFORB0068.014	678	2.7+0 5.7+0		. 15 DATA POINTS.
4016	KFK Comp B PH-DAT	15	2 079	2.7+0 5.7+0	Muenzel+ TBL. FROM EXFOR.
¹³⁰Te(p,n)^{130m}g summation $\sigma(E)$ factor					
4017	ORL Expt P ORNL-2910	25	60 TR	5.7+0	Johnson+ CURV. 4PI DETECTOR.
	Expt P ORNL-2501	29	58 TR	5.7+0	Johnson+ EXPT. DETAILS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{130}\text{Te}(p,n)^{130m}\text{g}$ summation $\sigma(E) \times \text{factor}$						
4017	ORL Expt 4	EXFORB0068.037	678	2.9+0	5.7+0	20 DATA POINTS. $^{126}\text{Te}(p,n)/^{130}\text{Te}(p,n)$
	Expt 4	EXFORB0068.038	678	3.0+0	5.7+0	13 DATA POINTS. $^{128}\text{Te}(p,n)/^{130}\text{Te}(p,n)$
	Expt 4	EXFORB0068.036	678	3.0+0	5.7+0	14 DATA POINTS. $^{125}\text{Te}(p,n)/^{130}\text{Te}(p,n)$
4018	KFK Comp B	PH-DAT 15	2	079	2.7+0	5.7+0 Muenzel+ TBL. FROM EXFOR.
$^{130}\text{Te}(p,\gamma)^{131}\text{I}$ $\sigma(E)$						
4019	GOE Expt J	ZP/A 291	377	79	2.1+1	Kantus+ TBL. REV. OF MAX SIG. CFD. CALC
$^{130}\text{Te}(p,x)^{123}\text{I}$ thick target yield $\times \text{factor}$						
4020	KTY Expt P	U/KTY-77	139	77	5.5+0	Coope+ TBL. TEST ACTIVITIES GIVEN
$^{130}\text{Te}(p,x)^{124}\text{I}$ thick target yield $\times \text{factor}$						
4021	KTY Expt P	U/KTY-77	139	77	5.5+0	Coope+ TBL. TEST ACTIVITIES GIVEN
$^{130}\text{Te}(p,x)^{126}\text{I}$ thick target yield $\times \text{factor}$						
4022	KTY Expt P	U/KTY-77	139	77	5.5+0	Coope+ TBL. TEST ACTIVITIES GIVEN
$^{130}\text{Te}(p,n)^{130}\text{I}$ thick target yield $\times \text{factor}$						
4023	KTY Expt P	U/KTY-77	139	77	5.5+0	Coope+ TBL. TEST ACTIVITIES GIVEN
$^{127}\text{I}(p,\text{total})$ $\sigma(E)$						
4024	LAS Theo J	PR/C 20	1857	N79	1.0+2	1.0+3 Ray. CURV. SECOND-ORDER KMT FORMALISM.
$^{127}\text{I}(p,n\alpha)^{123}\text{Te}$ thick target yield $\times \text{factor}$						
4025	KRU Expt J	TAL 26	741	79	1.5+1	2.5+1 Krivan+ TBL. INTEF IN SB. EST. FRM SYS
$^{127}\text{I}(p,x)^{117}\text{I}$ product yield						
4026	LVP Expt J	JIN 27	1729	65	3.4+2	Butement+ NDG. RADIOCHEM. PAR TE-117.
$^{127}\text{I}(p,x)^{118}\text{I}$ product yield						
4027	LVP Expt J	JIN 27	1729	65	3.4+2	Butement+ NDG. RADIOCHEM. PAR TE-118.
$^{127}\text{I}(p,x)^{119}\text{I}$ product yield						
4028	LVP Expt J	JIN 27	1729	65	3.4+2	Butement+ NDG. RADIOCHEM. PAR TE-119.
$^{127}\text{I}(p,x)^{123}\text{I}$ cumulative? thick target yield						
4029	JUL Revu C	7BHARWEL	667	78	NDG	Stocklin+CURV.FUNC. OF A.JUL-CONF-20,1
$^{127}\text{I}(p,3n+p)^{124}\text{I}$ $\sigma(E)$						
4030	MCG Expt J	JIN 39	1299	77	3.0+1	8.5+1 Diksic+TBL.CURV.ACTIV./INT.-NUCL.+PRE.
	Expt 4	EXFORB0081.007	179	3.0+1	8.5+1	12 DATA POINTS.
$^{127}\text{I}(p,n+p)^{126}\text{I}$ $\sigma(E)$						
4031	MCG Expt J	JIN 39	1299	77	3.0+1	8.5+1 Diksic+TBL.CURV.ACTIV./INT.-NUCL.+PRE.
	Expt 4	EXFORB0081.006	179	2.0+1	8.5+1	14 DATA POINTS.
$^{127}\text{I}(p,\text{inelastic})^{127}\text{I}$ $\sigma(E)$						
4032	MNA Exth J	NIM 143	589	77	5.0+0	5.0+1 Sourkes+ TBL. FRM OTHER SOURCES.
$^{127}\text{I}(p,8n)^{120}\text{Xe}$ product yield						
4033	LVP Expt J	JIN 27	907	65	3.4+2	Butement+ NDG. RADIOCHEM. PAR I-120.
$^{127}\text{I}(p,7n)^{121}\text{Xe}$ $\sigma(E)$						
4034	HAR Expt J	ARI 29	29	78	5.0+1	1.6+2 Syme+ CURV. STCKD FOILS. 1121 PROD.
4035	UPP Expt J	ARI 30	39	79	7.0+1	9.5+1 Lundqvist+ CURV. NAI.
$^{127}\text{I}(p,7n)^{121}\text{Xe}$ product yield						
4036	LVP Expt J	JIN 27	907	65	3.4+2	Butement+ NDG. RADIOCHEM. PAR I-121.
$^{127}\text{I}(p,7n)^{121}\text{Xe}$ thick target yield						
4037	HAR Expt P	AERE-PR/NP	24	577	NDG	Syme+ NDG. P. 45. SEE PR/NP 23. 50.
$^{127}\text{I}(p,6n)^{122}\text{Xe}$ $\sigma(E)$						
4038	MCG Expt J	JIN 39	1299	77	4.5+1	8.5+1 Diksic+ TBL. CURV. ACTIVATION.
	Expt 4	EXFORB0081.005	179	5.5+1	8.5+1	6 DATA POINTS.
4039	UPP Expt J	ARI 30	39	79	6.0+1	9.2+1 Lundqvist+ CURV. NAI.
$^{127}\text{I}(p,6n)^{122}\text{Xe}$ product yield						
4040	UPP Expt P	NEANDC(OR)150	477	9.0+1		Lundqvist+NDG. PROD. LABELLED CMP. P.15
	Expt P	NEANDC(OR)146	476	9.0+1		Lundqvist+NDG. PROD. LABELLED CMP. P.16

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{127}\text{I}(p,5n)^{123}\text{Xe}$ thick target yield						
4041	AML	Revw J	IRE 26	2281	479 5.0+1	7.2+1 Chaudri. TBL. CFD EXP. TO CALC.
4042	IKO	Expt J	ARI 30	63	79 5.4+1	Schimmel+ 1231 PROD. 2MC1/MUAHR
4043	GRE	Expt J	ARI 28	967	77 5.8+1	Godart+ 1123 PROD. CFD. METHODS.
4044	HAR	Expt J	ARI 27	597	70 5.0+1	Cunningham+ TBL. CH212/12 FLOWING TRGT.
4045	JUL	Revw J	JRC 30	53	76 5.8+1	6.5+1 Weinreich+ TBL. PARENT 1123.
4046	GRN	Expt J	ARI 27	465	76 6.5+1	Paans+ 190C1/MAH.FROM SIG(E). E LOSS=19
$^{127}\text{I}(p,5n)^{123}\text{Xe}$ $\sigma(E)$						
4047	HAR	Expt J	ARI 29	29	78 2.0+1	1.6+2 Syme+ CURV. STCKD FOILS. 1123 PROD.
		Expt R	AERE-R-8276	876	2.0+1	1.6+2 Syme+ CURV. COMPARED SIG FOR 3N,5N,7N.
		Expt R	AERE-R-8276	876	3.0+1	1.6+2 Syme+ CURV. STACKED FOIL. OLYD. G'S.
		Expt P	UKNDC-P-80	28	776 TR	1.6+2 Syme+ CURV.
		Expt P	AERE-PR/NP2350	76	TR	1.6+2 Syme+ CURV.
4048	GRN	Expt J	ARI 27	465	76 4.3+1	6.6+1 Paans+ CURV.
4049	JUL	Revw C	78HARHEL	667	78 4.4+1	6.8+1 Stocklin+ CURV. 2 REF.
4050	UPP	Expt J	ARI 30	34	79 5.0+1	9.8+1 Lundqvist+ CURV. NA1.
4051	MCG	Expt J	JIN 39	1299	77 5.5+1	8.5+1 Diksic+ TBL. CURV. ACTIVATION.
		Expt 4	EXFORB0081.004	179	4.5+1	8.5+1 . 8 DATA POINTS.
$^{127}\text{I}(p,5n)^{123}\text{Xe}$ thick target yield*factor						
4052	MCG	Expt J	JIN 39	1299	77 6.0+1	6.5+1 Diksic+ CURV. FRM ACT. TH=0.4-2.G/CM2
$^{127}\text{I}(p,5n)^{123}\text{Xe}$ product yield						
4053	IKO	Expt P	A-1KO-77	54	77 NDG	Kaspersent+ NDG. CH212. DYNAMIC FLOW.
4054	DAV	Expt A	ANS 33	224	N79 6.6+1	Lagunas-Solar+ TBL. REVIEW OF PROGRAM.
4055	UPP	Expt P	NEANDC(OR)150	477	6.8+1	Lundqvist+NDG. PROD. LABELLED CMP. P.15
		Expt P	NEANDC(OR)146	476	6.8+1	Lundqvist+NDG. PROD. LABELLED CMP. P.16
$^{127}\text{I}(p,x)^{124}\text{Xe}$ cumulative? $\sigma(E)$						
4056	MCG	Expt J	JIN 39	1299	77 2.0+1	8.5+1 Diksic+TBL.CURV.ACTIV./INT.-NUCL.+PRE.
$^{127}\text{I}(p,4n)^{124}\text{Xe}$ $\sigma(E)$						
4057	MCG	Expt J	JIN 39	1299	77 4.5+1	8.5+1 Diksic+ TBL. CURV. ACTIVATION.
$^{127}\text{I}(p,3n)^{125}\text{Xe}$ $\sigma(E)$						
4058	HAR	Expt J	ARI 29	29	78 2.0+1	1.6+2 Syme+ CURV. STCKD FOILS. 1125 PROD.
		Expt R	AERE-R-8276	876	2.0+1	1.6+2 Syme+ CURV. COMPARED SIG FOR 3N,5N,7N.
		Expt R	AERE-R-8276	876	2.0+1	1.6+2 Syme+ CURV. STACKED FOIL. OLYD. G'S.
		Expt P	UKNDC-P-80	28	776 TR	1.6+2 Syme+ CURV.
		Expt P	AERE-PR/NP2350	76	TR	1.6+2 Syme+ CURV.
4059	UPP	Expt J	ARI 30	39	79 4.0+1	9.8+1 Lundqvist+ CURV. NA1.
4060	GRN	Expt J	ARI 27	465	76 4.3+1	8.6+1 Paans+ CURV.
$^{127}\text{I}(p,3n)^{125}\text{Xe}$ including metastable $\sigma(E)$						
4061	MCG	Expt J	JIN 39	1299	77 2.0+1	8.5+1 Diksic+ TBL. CURV. ACTIVATION.
		Expt 4	EXFORB0081.003	179	2.0+1	8.5+1 . 11 DATA POINTS.
$^{127}\text{I}(p,3n)^{125}\text{Xe}$ product yield						
4062	UPP	Expt P	NEANDC(OR)150	477	4.0+1	Lundqvist+NDG. PROD. LABELLED CMP. P.15
		Expt P	NEANDC(OR)146	476	4.0+1	Lundqvist+NDG. PROD. LABELLED CMP. P.16
4063	DAV	Expt A	ANS 33	224	N79 4.5+1	Lagunas-Solar+ TBL. REVIEW OF PROGRAM.
$^{127}\text{I}(p,3n)^{125}\text{Xe}$ thick target yield						
4064	HAR	Expt P	AERE-PR/NP	24	577 NDG	Syme+ NDG. P. 45. SEE PR/NP 23, 50.
4065	GRN	Expt J	ARI 27	465	76 6.5+1	Paans+ 7.7C1/MAH.FROM SIG(E). E LOSS=19
$^{127}\text{I}(p,2n)^{126}\text{Xe}$ $\sigma(E)$						
4066	TOK	Expt J	NP 74	81	65 1.4+1	Sakai+ TBL. DEDUCED FRM 2+-0+ TRANS.
$^{127}\text{I}(p,n)^{127}\text{Xe}$ including metastable $\sigma(E)$						
4067	KFK	Comp B	PH-DAT 15	2	079 3.0+0	2.5+1 Muenzel+ TBL. FROM EXFOR.
4068	BNL	Expt J	PR/C 9	2166	677 3.0+0	2.5+1 Colle+ TBL. CURV. ACTIVATION METHOD.
		Expt 4	EXFORB0056.003	77	3.0+0	2.5+1 . 26 DATA POINTS.
4069	MCG	Expt J	JIN 39	1299	77 2.0+1	8.5+1 Diksic+ TBL. CURV. ACTIVATION.
		Expt 4	EXFORB0081.002	179	2.0+1	8.5+1 . 10 DATA POINTS.
$^{127}\text{I}(p,n)^{127}\text{Xe}$ product yield						
4070	UPP	Expt P	NEANDC(OR)150	477	2.0+1	Lundqvist+NDG. PROD. LABELLED CMP. P.15
		Expt P	NEANDC(OR)146	476	2.0+1	Lundqvist+NDG. PROD. LABELLED CMP. P.16

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author.	Comments
		$^{127}\text{I}(p,n)^{127}\text{Xe}$				$\sigma(E)$
4071	UPP Expt P	NEANDC(OR)150	477	NDG	Lundqvist+	NDG. STUDY IN PROGRESS. P.15
	Expt P	NEANDC(OR)146	476	NDG	Lundqvist+	NDG. STUDY IN PROGRESS. P.16
		$\text{exp}[(p,x)^{121}]$				cumulative thick target yield*factor
4072	HAR Expt R	AERE-R-8276	876	4.8+1 7.8+1	Syme+ TBL.	FROM SIG(E). CH212(+1)
		$\text{exp}[(p,x)^{122}]$				cumulative? product yield
4073	UPP Expt P	KDK-23	9 478	9.0+1	Lundqvist+NDG.FRM	NAI.PRIM PROD = 122XE
		$\text{exp}[(p,x)^{122}]$				cumulative? $\sigma(E)$
4074	UPP Expt P	KDK-23	9 478	NDG	Lundqvist+	NDG. MEAS. IN PROG.
		$\text{exp}[(p,x)^{123}]$				cumulative thick target yield*factor
4075	HAR Expt R	AERE-R-8276	876	4.8+1 7.8+1	Syme+ TBL.	FROM SIG(E). CH212(+1)
		$\text{exp}[(p,x)^{123}]$				cumulative? product yield
4076	UPP Expt P	KDK-23	9 478	6.8+1	Lundqvist+NDG.FRM	NAI.PRIM PROD = 123XE
		$\text{exp}[(p,x)^{123}]$				cumulative? $\sigma(E)$
4077	UPP Expt P	KDK-23	9 478	NDG	Lundqvist+	NDG. MEAS. IN PROG.
		$\text{exp}[(p,x)^{125}]$				cumulative thick target yield*factor
4078	HAR Expt R	AERE-R-8276	876	4.8+1 7.8+1	Syme+ TBL.	FROM SIG(E). CH212(+1)
		$\text{exp}[(p,x)^{125}]$				cumulative? product yield
4079	UPP Expt P	KDK-23	9 478	4.0+1	Lundqvist+NDG.FRM	NAI.PRIM PROD = 125XE
		$\text{exp}[(p,x)^{125}]$				cumulative? $\sigma(E)$
4080	UPP Expt P	KDK-23	9 478	NDG	Lundqvist+	NDG. MEAS. IN PROG.
		$\text{exp}[(p,x)^{121}\text{Xe}$				$\sigma(E)$ *factor
4081	HAR Expt J	ARI 29 29	78	6.0+1 1.6+2	Syme+CURV.CH212+12.K1.K1(H20).	FRM SIG
		$\text{exp}[(p,x)^{121}\text{Xe}$				thick target yield
4082	HAR Expt J	ARI 29 29	78	4.8+1 7.4+1	Syme+TBL.CH212+1.1121 IMP. IN 1123 PROD	
	Expt R	AERE-R-8276	876	6.0+1 1.6+2	Syme+CURV.FROM SIG.K1.K1(H20).CH212+12	
		$\text{exp}[(p,x)^{123}\text{Xe}$				thick target yield*factor
4083	HAR Expt R	AERE-R-8276	876	4.0+1 1.6+2	Syme+CURV.FROM SIG.K1.K1(H20).CH212+12	
		$\text{exp}[(p,x)^{123}\text{Xe}$				spectrum average $\sigma(E)$
4084	JAP Expt J	ARI 28	663 677	5.0+1 6.0+1	Suzuki+ TBL.	MULTI-TARGET ASSEMBLY
		$\text{exp}[(p,x)^{123}\text{Xe}$				$\sigma(E)$ *factor
4085	HAR Expt J	ARI 29 29	78	4.0+1 1.6+2	Syme+CURV.CH212+12.K1.K1(H20).	FRM SIG
		$\text{exp}[(p,x)^{123}\text{Xe}$				thick target yield
4086	HAR Expt J	ARI 29 29	78	4.8+1 7.4+1	Syme+ TBL.CH212+1. 1123 PROD. PRED.+085	
		$\text{exp}[(p,x)^{123}\text{Xe}$				product yield
4087	DAV Expt A	ANS 33 922	N79	6.5+1	Lagunas-Solar+ 18+-2MCI/MUA-H.	
		$\text{exp}[(p,x)^{129}\text{Xe}$				thick target yield*factor
4088	HAR Expt R	AERE-R-8276	876	2.0+1 1.6+2	Syme+ CURV.FROM SIG.K1.K1(H20).CH212+12	
		$\text{exp}[(p,x)^{129}\text{Xe}$				$\sigma(E)$ *factor
4089	HAR Expt J	ARI 29 29	78	2.0+1 1.6+2	Syme+CURV.CH212+12.K1.K1(H20).	FRM SIG
		$\text{exp}[(p,x)^{129}\text{Xe}$				thick target yield
4090	HAR Expt J	ARI 29 29	78	4.8+1 7.4+1	Syme+TBL.CH212+1.1125 IMP. IN 1125 PROD	
		$\text{exp}[(p,x)^{127}\text{Xe}$				product yield
4091	UPP Expt P	KDK-23	9 478	2.0+1	Lundqvist+	NDG. FRM NAI.
		$\text{exp}[(p,x)^{127}\text{Xe}$				$\sigma(E)$
4092	UPP Expt P	KDK-23	9 478	NDG	Lundqvist+	NDG. MEAS. IN PROG.
		$^{133}\text{Cs}(p,x)^{129}\text{Xe}$				product yield
4093	LRC Expt A	BAP 21 633	76	NDG	Blue+	NDG. METALLIC CS TARGETS.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{133}\text{Cs}(p, \text{inelastic})^{133}\text{Cs}$ $\sigma(E)$				
4094 MNA Exth J NIM	143	589	77 5.0+0 5.0+1	Sourkes+ TBL. FRM OTHER SOURCES.
$^{133}\text{Cs}(p, 2n)^{132}\text{Ba}$ $\sigma(E)$				
4095 TOK Expt J NP	74	81	65 1.4+1	Sakai+ TBL. DEDUCED FRM 2+-0+ TRANS.
$^{133}\text{Cs}(p, n)^{133}\text{Ba}$ thick target yield				
4096 FE1 Expt J AE	35	61	73 8.3+0 2.2+1	Dmitriev+ CURV. CSCL AND CSN03.
Expt J SJA	35	681	174 8.3+0 2.2+1	TRANSLATION OF AE 35, 61(1973).
Expt 4 EXFORA0002.002	478	8.3+0	2.2+1	. 6 DATA POINTS.
$^{133}\text{Cs}(p, x)^{133}\text{Ba}$ $\sigma(E)$				
4097 CCP Revv J AE	42	311	77 8.0+0 1.1+1	Zatolokin+ TBL. ACTIVATION.
Revv J SJA	42	344	077 8.0+0 1.1+1	. TRANSLATION OF AE 42(4), 311(1977).
$^{133}\text{Cs}(p, n)^{133}\text{Ba}$ $\sigma(E)$				
4098 KFK Comp B PH-DAT	15	2	079 1.2+1	Muenzel+ TBL. FROM EXFOR.
4099 ORL Expt J PR	100	1340	055 1.2+1	Blosser+ TBL. CURV.
Expt 4 EXFORB0052.018	77	1.2+1		. (270+-60)MB.
$^{133}\text{Cs}(p, n)^{133}\text{Ba}$ thick target yield				
4100 FE1 Expt J AE	35	61	73 8.3+0 2.2+1	Dmitriev+ CURV. CSCL AND CSN03.
Expt J SJA	35	681	174 8.3+0 2.2+1	TRANSLATION OF AE 35, 61(1973).
Expt 4 EXFORA0002.003	478	8.3+0	2.2+1	. 6 DATA POINTS.
$^{133}\text{Cs}(p, n)^{133}\text{Ba}$ ratio $\sigma(E)$				
4101 FE1 Expt J AE	35	61	73 8.3+0 2.2+1	Dmitriev+ CURV. BY DIFFER. TTY DATA
Expt J SJA	35	681	174 8.3+0 2.2+1	TRANSLATION OF AE 35, 61(1973).
$^{133}\text{Cs}(p, x)$ isotopic distribution cumulative spallation $\sigma(E)$				
4102 JUL Revv C 78HARWEL	667	78	5.5+2	Stocklin+ TBL. FROM GRUTTER+
4103 WUR Expt W TO STOCKLIN+	978	5.5+2		Grutter+ TBP.
$^{133}\text{Cs}(p, x)$ isotopic distribution independent spallation $\sigma(E)$				
4104 JUL Revv C 78HARWEL	667	78	5.5+2	Stocklin+ TBL. FROM GRUTTER+
4105 WUR Expt W TO STOCKLIN+	978	5.5+2		Grutter+ TBP.
$^{133}\text{Cs}(p, x)$ isotopic distribution spallation $\sigma(E)$				
4106 JUL Revv W PREPRINT	978	5.5+2		Stocklin+ TBL. XE118-CS127. GRUTTER+
4107 WUR Expt W TO STOCKLIN+	978	5.5+2		Grutter+ TBP.
$^{133}\text{Cs}(p, x)$ isotopic distribution product yield				
4100 WIS Expt A JLCR IG	101	79	4.3+1 1.6+2	Blue+ NDG. LIQUID TRGT. RADIOXENONS.
$^{56}\text{Fe}(p, \text{inelastic})$ thick target yield*factor				
4109 MNA Exth J NIM	143	589	77 2.1+1 4.9+1	Sourkes+ TBL. CURV. REACTION RATES. CSI
$\text{Ba}(p, x)^{124}\text{Xe}$ cumulative? $\sigma(E)$ *factor				
4110 KLN Expt J TRSA	285	337	77 3.8+1 6.0+2	Kaiser. TBL. XE124/XE132, 126 RATIO
$\text{Ba}(p, x)^{124}\text{Xe}$ cumulative? thick target yield*factor				
4111 KLN Expt J TRSA	285	337	77 6.0+2	Kaiser. TBL. 600MEV THCK XE124/XE126 RA
$\text{Ba}(p, x)^{124}\text{Xe}$ cumulative? $\sigma(E)$				
4112 KLN Expt J TRSA	285	337	77 1.0+2 6.0+2	Kaiser. CURV.
$\text{Ba}(p, x)^{124}\text{Xe}$ cumulative? spectrum average $\sigma(E)$ *factor				
4113 KLN Expt J TRSA	285	337	77 GCR	Kaiser. TBL. 3 THICKNESSES.
Expt J TRSA	285	337	77 0.0+0 7.3+2	Kaiser. TBL. 3 THICKNESSES.
$\text{Ba}(p, x)^{126}\text{Xe}$ cumulative? $\sigma(E)$ *factor				
4114 KLN Expt J TRSA	285	337	77 3.8+1 6.0+2	Kaiser. TBL. XE126/XE132 RATIO
Expt J TRSA	285	337	77 7.5+1 6.0+2	Kaiser. TBL. XE124, 127-132, 34, 36/XE126 RAT
$\text{Ba}(p, x)^{126}\text{Xe}$ cumulative? $\sigma(E)$				
4115 KLN Expt J TRSA	285	337	77 7.5+1 6.0+2	Kaiser. TBL.
Expt J TRSA	285	337	77 7.0+1 6.0+2	Kaiser. CURV.
$\text{Ba}(p, x)^{126}\text{Xe}$ cumulative? thick target yield*factor				
4116 KLN Expt J TRSA	285	337	77 6.0+2	Kaiser. TBL. 600MEV THICK. XE124.
Expt J TRSA	285	337	77 6.0+2	. XE128-132, 134, 136/XE126 RATIOS.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
			Ba(p,x) ¹²⁶ Xe	cumulative? spectrum average $\sigma(E)$ factor			
4117	KLN	Expt J	TRSA 285	337	77	GCR	Kaiser. TBL. 3 THICKNESSES.
		Expt J	TRSA 285	337	77	0.0+0 7.3+2	Kaiser. TBL. 3 THICKNESSES.
			Ba(p,x) ¹²⁷ Xe	cumulative? $\sigma(E)$			
4118	KLN	Expt J	TRSA 285	337	77	7.5+1 6.0+2	Kaiser. TBL.
		Expt J	TRSA 285	337	77	6.5+1 6.0+2	Kaiser. CURV.
			Ba(p,x) ¹²⁷ Xe	cumulative? $\sigma(E)$ factor			
4119	KLN	Expt J	TRSA 285	337	77	7.5+1 6.0+2	Kaiser. TBL. XE127/XE132,126 RATIO.
			Ba(p,x) ¹²⁸ Xe	cumulative? $\sigma(E)$ factor			
4120	KLN	Expt J	TRSA 285	337	77	3.8+1 6.0+2	Kaiser. TBL. XE128/XE132,126 RATIO.
			Ba(p,x) ¹²⁸ Xe	cumulative? thick target yield factor			
4121	KLN	Expt J	TRSA 285	337	77	6.0+2	Kaiser. TBL. 600MEV THCK XE128/XE126 RA
			Ba(p,x) ¹²⁸ Xe	cumulative? $\sigma(E)$			
4122	KLN	Expt J	TRSA 285	337	77	6.0+1 6.0+2	Kaiser. CURV.
			Ba(p,x) ¹²⁸ Xe	cumulative? spectrum average $\sigma(E)$ factor			
4123	KLN	Expt J	TRSA 285	337	77	GCR	Kaiser. TBL. 3 THICKNESSES.
		Expt J	TRSA 285	337	77	0.0+0 7.3+2	Kaiser. TBL. 3 THICKNESSES.
			Ba(p,x) ¹²⁹ Xe	cumulative? $\sigma(E)$ factor			
4124	KLN	Expt J	TRSA 285	337	77	3.8+1 6.0+2	Kaiser. TBL. XE129/XE132,126 RATIO.
			Ba(p,x) ¹²⁹ Xe	cumulative? thick target yield factor			
4125	KLN	Expt J	TRSA 285	337	77	6.0+2	Kaiser. TBL. 600MEV THCK XE129/XE126 RA
			Ba(p,x) ¹²⁹ Xe	cumulative? $\sigma(E)$			
4126	KLN	Expt J	TRSA 285	337	77	7.0+1 6.0+2	Kaiser. CURV.
			Ba(p,x) ¹²⁹ Xe	cumulative? spectrum average $\sigma(E)$ factor			
4127	KLN	Expt J	TRSA 285	337	77	GCR	Kaiser. TBL. 3 THICKNESSES.
		Expt J	TRSA 285	337	77	0.0+0 7.3+2	Kaiser. TBL. 3 THICKNESSES.
			Ba(p,x) ¹³⁰ Xe	cumulative? $\sigma(E)$ factor			
4128	KLN	Expt J	TRSA 285	337	77	3.8+1 6.0+2	Kaiser. TBL. XE130/XE132,126 RATIO.
			Ba(p,x) ¹³⁰ Xe	cumulative? thick target yield factor			
4129	KLN	Expt J	TRSA 285	337	77	6.0+2	Kaiser. TBL. 600MEV THCK XE130/XE126 RA
			Ba(p,x) ¹³⁰ Xe	cumulative? $\sigma(E)$			
4130	KLN	Expt J	TRSA 285	337	77	7.5+1 6.0+2	Kaiser. CURV.
			Ba(p,x) ¹³⁰ Xe	cumulative? spectrum average $\sigma(E)$ factor			
4131	KLN	Expt J	TRSA 285	337	77	GCR	Kaiser. TBL. 3 THICKNESSES.
		Expt J	TRSA 285	337	77	0.0+0 7.3+2	Kaiser. TBL. 3 THICKNESSES.
			Ba(p,x) ¹³¹ Xe	cumulative? $\sigma(E)$ factor			
4132	KLN	Expt J	TRSA 285	337	77	3.8+1 6.0+2	Kaiser. TBL. XE131/XE132,126 RATIO.
			Ba(p,x) ¹³¹ Xe	cumulative? thick target yield factor			
4133	KLN	Expt J	TRSA 285	337	77	6.0+2	Kaiser. TBL. 600MEV THCK XE131/XE126 RA
			Ba(p,x) ¹³¹ Xe	cumulative? $\sigma(E)$			
4134	KLN	Expt J	TRSA 285	337	77	3.8+1 6.0+2	Kaiser. CURV.
			Ba(p,x) ¹³¹ Xe	cumulative? spectrum average $\sigma(E)$ factor			
4135	KLN	Expt J	TRSA 285	337	77	GCR	Kaiser. TBL. 3 THICKNESSES.
		Expt J	TRSA 285	337	77	0.0+0 7.3+2	Kaiser. TBL. 3 THICKNESSES.
			Ba(p,x) ¹³² Xe	cumulative? $\sigma(E)$ factor			
4136	KLN	Expt J	TRSA 285	337	77	3.8+1 6.0+2	Kaiser. TBL. XE124,126-131,34,36/XE132RAT
			Ba(p,x) ¹³² Xe	cumulative? thick target yield factor			
4137	KLN	Expt J	TRSA 285	337	77	6.0+2	Kaiser. TBL. 600MEV THCK XE132/XE126 RA
			Ba(p,x) ¹³² Xe	cumulative? $\sigma(E)$			
4138	KLN	Expt J	TRSA 285	337	77	3.0+1 6.0+2	Kaiser. CURV.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		Ba(p,x) ¹³² Xe cumulative? spectrum average σ(E)×factor			
4139	KLN Expt J	TRSA 285 337 77	GCR	Kaiser.	TBL. 3 THICKNESSES.
	Expt J	TRSA 285 337 77	0.0+0 7.3+2	Kaiser.	TBL. 3 THICKNESSES.
		Ba(p,x) ¹³⁴ Xe cumulative? σ(E)×factor			
4140	KLN Expt J	TRSA 285 337 77	3.8+1 6.0+2	Kaiser.	TBL. Xe134/Xe132,126 RATIO.
		Ba(p,x) ¹³⁴ Xe cumulative? thick target yield×factor			
4141	KLN Expt J	TRSA 285 337 77	6.0+2	Kaiser.	TBL. 600MEV THCK Xe134/Xe126 RA
		Ba(p,x) ¹³⁴ Xe cumulative? σ(E)			
4142	KLN Expt J	TRSA 285 337 77	9.5+1 6.0+2	Kaiser.	CURV.
		Ba(p,x) ¹³⁴ Xe cumulative? spectrum average σ(E)×factor			
4143	KLN Expt J	TRSA 285 337 77	GCR	Kaiser.	TBL. 3 THICKNESSES.
	Expt J	TRSA 285 337 77	0.0+0 7.3+2	Kaiser.	TBL. 3 THICKNESSES.
		Ba(p,x) ¹³⁶ Xe cumulative? σ(E)×factor			
4144	KLN Expt J	TRSA 285 337 77	3.8+1 6.0+2	Kaiser.	TBL. Xe136/Xe132 RATIO
	Expt J	TRSA 285 337 77	3.8+1 6.0+2	Kaiser.	TBL. Xe136/Xe126 RAT ASSMD 0
		Ba(p,x) ¹³⁶ Xe cumulative? thick target yield×factor			
4145	KLN Expt J	TRSA 285 337 77	6.0+2	Kaiser.	TBL. 600MEV THCK Xe136/Xe126 RA
		Ba(p,x) ¹³⁶ Xe cumulative? σ(E)			
4146	KLN Expt J	TRSA 285 337 77	1.1+2 6.0+2	Kaiser.	CURV.
		Ba(p,x) ¹³⁶ Xe cumulative? spectrum average σ(E)×factor			
4147	KLN Expt J	TRSA 285 337 77	GCR	Kaiser.	TBL. 3 THICKNESSES.
	Expt J	TRSA 285 337 77	0.0+0 7.3+2	Kaiser.	TBL. 3 THICKNESSES.
		Ba(p,x) isotopic distribution cumulative spallation σ(E)			
4148	JUL Revw C	78HARNEL 667 78	5.5+2	Stocklin+	TBL. FROM GRUTTER+
4149	WUR Expt W	TO STOCKLIN+ 978	5.5+2	Grutter+	TBP.
		Ba(p,x) isotopic distribution independent spallation σ(E)			
4150	JUL Revw C	78HARNEL 667 78	5.5+2	Stocklin+	TBL. FROM GRUTTER+
4151	WUR Expt W	TO STOCKLIN+ 978	5.5+2	Grutter+	TBP.
		¹³⁰ Ba(p,2n) ¹²⁹ La product yield			
4152	MCG Expt J	ZP/A 289 289 79	5.0+0 3.0+1	Brodeur+	NDG. 2MEV STPS. OPT. PRD AT 25
		¹³⁴ Ba(p,n) ¹³⁴ La thick target yield			
4153	CLU Exth J	AND 23 177 279	4.6+0 6.3+0	Roughlon+	TBL. ALSO STELLAR REACT. RATE
	Expt J	AJ 205 302 76	NDG	.	MORE TECHNICAL DETAILS.
	Expt J	AJ 193 187 074	NDG	.	MORE TECHNICAL DETAILS.
	Expt J	AJ 188 595 374	NDG	.	MORE TECHNICAL DETAILS.
		¹³⁶ Ba(p,n) ¹³⁶ La thick target yield			
4154	CLU Exth J	AND 23 177 279	3.9+0 6.3+0	Roughlon+	TBL. ALSO STELLAR REACT. RATE
	Expt J	AJ 205 302 76	NDG	.	MORE TECHNICAL DETAILS.
	Expt J	AJ 193 187 074	NDG	.	MORE TECHNICAL DETAILS.
	Expt J	AJ 188 595 374	NDG	.	MORE TECHNICAL DETAILS.
		¹³⁰ Ba(p,x) ¹²⁴ Xe cumulative? relative σ(E)			
4155	KLN Expt J	TRSA 285 337 77	1.0+2	Kaiser.	TBL. 71.66PER CENT. ESTIMATED.
		¹³⁰ Ba(p,x) ¹²⁶ Xe cumulative? relative σ(E)			
4156	KLN Expt J	TRSA 285 337 77	1.0+2	Kaiser.	TBL. 71.66PER CENT. ESTIMATED.
		¹³⁰ Ba(p,x) ¹²⁷ Xe cumulative? relative σ(E)			
4157	KLN Expt J	TRSA 285 337 77	1.0+2	Kaiser.	TBL. 71.66PER CENT. ESTIMATED.
		¹³⁰ Ba(p,x) ¹²⁸ Xe cumulative? relative σ(E)			
4158	KLN Expt J	TRSA 285 337 77	1.0+2	Kaiser.	TBL. 71.66PER CENT. ESTIMATED.
		¹³⁰ Ba(p,x) ¹²⁹ Xe cumulative? relative σ(E)			
4159	KLN Expt J	TRSA 285 337 77	1.0+2	Kaiser.	TBL. 71.66PER CENT. ESTIMATED.
		¹³⁰ Ba(p,x) ¹³⁰ Xe cumulative? relative σ(E)			
4160	KLN Expt J	TRSA 285 337 77	1.0+2	Kaiser.	TBL. 71.66PER CENT. ESTIMATED.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{138}\text{Ba}(p,x)^{132}\text{Xe}$ cumulative? relative $\sigma(E)$			
4161	KLN Expt J	TRSA 285 337 77 1.0+2			Kaiser. TBL. 71.66PER CENT. ESTIMATED.
		$^{138}\text{Ba}(p,x)^{134}\text{Xe}$ cumulative? relative $\sigma(E)$			
4162	KLN Expt J	TRSA 285 337 77 1.0+2			Kaiser. TBL. 71.66PER CENT. ESTIMATED.
		$^{138}\text{Ba}(p,3p)^{138}\text{Xe}$ cumulative? relative $\sigma(E)$			
4163	KLN Expt J	TRSA 285 337 77 1.0+2			Kaiser. TBL. 71.66PER CENT. ESTIMATED.
		$\text{La}(p,\text{absorption})$ $\sigma(E)$			
4164	IJI Revv J	FCY 6 827 75 9.9+1			Nemets+ TBL. FROM CJP 44,1847(1966).
	Revv J	SJPN 6 325 76 9.9+1			. TRANSLATION OF FCY 6,(4),827(1975).
		$\text{La}(p,x)^{114}\text{Cs}$ spallation product yield			
4165	BRK Revv J	ARN 27 333 77 6.0+2			Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
		$\text{La}(p,x)^{116}\text{Cs}$ spallation product yield			
4166	BRK Revv J	ARN 27 333 77 6.0+2			Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
		$\text{La}(p,x)^{118}\text{Cs}$ spallation product yield			
4167	BRK Revv J	ARN 27 333 77 6.0+2			Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
		$\text{La}(p,x)^{120}\text{Cs}$ spallation product yield			
4168	BRK Revv J	ARN 27 333 77 6.0+2			Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
		$^{139}\text{La}(p,x)^{134m/0}\text{Cs}$ ratio $\sigma(E)$			
4169	PAR Exth J	JIN 38 965 76 2.0+1 1.7+2			Krupa+ CURV.
		$^{139}\text{La}(p,x)^{1350}\text{Cs}$ $\sigma(E)$			
4170	PAR Expt J	JIN 38 965 76 4.0+1 1.5+2			Krupa+ CURV. DED. FROM ISOM. RAT.
		$^{139}\text{La}(p,x)^{135m}\text{Cs}$ $\sigma(E)$			
4171	PAR Expt J	JIN 38 965 76 4.0+1 1.5+2			Krupa+ CURV. DED. FROM ISOM. RAT.
		$^{139}\text{La}(p,x)^{135m/0}\text{Cs}$ ratio $\sigma(E)$			
4172	PAR Exth J	JIN 38 965 76 3.0+1 1.6+2			Krupa+ CURV.
		$^{139}\text{La}(p,n\alpha)^{135m}\text{Ba}$ thick target yield			
4173	CCP Expt J	AE 46 53 79 1.4+1 2.2+1			Dmitriyev+ CURV. PHOTON DETECTION
		$^{139}\text{La}(p,n\alpha)^{135m}\text{Ba}$ thick target yield			
4174	FEI Expt J	AE 46 53 179 1.4+1 2.2+1			Dmitriev+ CURV.
	Expt J	SJA 46 55 79 1.4+1 2.2+1			. TRANSLATION OF AE 46(1), 53(1979)
		$^{139}\text{La}(p,\alpha)^{136}\text{Ba}$ $\sigma(E)$			
4175	MIL Exth J	NC 30 632 75 2.0+1			Milazzo-Colliti+ (2.6+-0.5)MB.
		$^{139}\text{La}(p,\alpha)^{136}\text{Ba}$ partial $\sigma(E)$			
4176	MIL Exth J	NC 30 632 75 2.0+1			Milazzo-Colliti+ PRECOMPOUND = 2.5MB
		$^{139}\text{La}(p,\alpha)^{136}\text{Ba}$ direct-interaction $\sigma(E)$			
4177	MIL Exth J	NC 30 632 75 2.0+1			Milazzo-Colliti+ 0.1MB.
		$^{139}\text{La}(p,\text{inelastic})^{139}\text{La}$ partial thick target yield,			
4178	IND Expt J	CJP 57 1940 79 4.0+0 5.5+0			Kulkarni+ CURV. COULOMB EXCIT.
		$^{139}\text{La}(p,8n)^{132}\text{Ce}$ $\sigma(E)$			
4179	CER Expt A	74NASH 1 194 674 NDG			Ravn+ CURV. (9.4+-0.8)MB. OFF-LINE.
		$^{139}\text{La}(p,6n)^{134}\text{Ce}$ $\sigma(E)$			
4180	CER Expt A	74NASH 1 194 674 NDG			Ravn+ CURV. (4.8+-0.6)MB. OFF-LINE.
		$^{139}\text{La}(p,4n)^{138}\text{Ce}$ $\sigma(E)$			
4181	CER Expt A	74NASH 1 194 674 NDG			Ravn+ CURV. (1.26+-0.15)MB. OFF-LINE.
		$^{139}\text{La}(p,n)^{139}\text{Ce}$ $\sigma(E)$			
4182	COL Revv C	71ALBANY 505 71 8.0+0 3.7+1			Miller. CURV. COMP. STAT. MOD. TO EXP.
		$^{139}\text{La}(p,n)^{139}\text{Ce}$ including metastable $\sigma(E)$			
4183	ANL Expt J	PR 128 280 062 4.5+0 1.0+1			Wing+ TBL. CURV. RESID. RADIOACTIVITY.
	Expt R	T10-12696 61 4.5+0 1.0+1			. SUPERSEDED.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
¹³⁹La(p,n)¹³⁹Ce including metastable σ(E)					
4183	ANL Expt 4	EXFORB0065.010	678	4.5+0 1.0+1	. 8 DATA POINTS.
4184	KFK Expt B	PH-DAT 15	2 079	4.5+0 1.0+1	Muenzel+ TBL. FROM EXFOR.
4185	PAR Expt 1	IPR 23 1000	62	3.5+1 1.3+2	Albouy+ CURV. CFD CASCADE MODEL.
	Expt 4	EXFORB0106.006	N/A	3.5+1 1.3+2	8 DATA POINTS.
¹³⁹La(p,x)mass distribution spallation σ(E)					
4186	CER Expt A	74NASH 1 194	674	NDG	Ravn+ CURV. A=115-137. ON-LINE.
¹³⁹La(p,x)isotopic distribution cumulative spallation σ(E)					
4187	JUL Revv C	78HARKEL 667	78	5.5+2	Stocklin+ TBL. FROM GRUTTER+
¹³⁹La(p,x)isotopic distribution independent spallation σ(E)					
4188	JUL Revv C	78HARKEL 667	78	5.5+2	Stocklin+ TBL. FROM GRUTTER+
4189	WUR Expt W	TO STOCKLIN+ 978	5.5+2		Grutter+ TBP.
¹³⁹La(p,x)isotopic distribution spallation σ(E)					
4190	JUL Revv W	PREPRINT 978	5.5+2		Stocklin+ TBL. XE118-US127. GRUTTER+
4191	WUR Expt W	TO STOCKLIN+ 978	5.5+2		Grutter+ TBP.
¹³⁶La(p,x)¹²³Xe thick target yield					
4192	JUL Revv J	JRC 30	53	76 5.9+2	Weinreich+ TBL. PARENT 1123.
Ce(p,x)¹¹³Xe spallation product yield					
4193	BRK Revv J	ARN 27	333	77 6.0+2	Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
Ce(p,x)¹¹⁵Xe spallation product yield					
4194	BRK Revv J	ARN 27	333	77 6.0+2	Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
Ce(p,x)¹¹⁷Xe spallation product yield					
4195	BRK Revv J	ARN 27	333	77 6.0+2	Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
¹⁴⁰Ce(p,absorption) σ(E)					
4196	ANL Expt A	BAP 21	1330	76 1.0-1 1.0+0	Elwyn. NDG.
4197	MNA Exth J	NP/A 290	45	077 1.8+1 4.8+1	Davidson+TBL.CURV.CMPRO TO O.H.+BLACKNUC
4198	ORL Theo C	77BNL 515	77	5.0+1	Gabriel+CURV. INTRA-NUCLEAR CASCADE MOD
¹⁴⁰Ce(p,α)¹³⁷La σ(E)					
4199	MIL Exth J	NC 30	632	75 2.0+1	Milazzo-Coll+ (5.1+-1.0)MB.
¹⁴⁰Ce(p,α)¹³⁷La partial σ(E)					
4200	MIL Exth J	NC 30	632	75 2.0+1	Milazzo-Coll+ PRECOMPOUND = 3.7 MB.
¹⁴⁰Ce(p,α)¹³⁷La direct-interaction σ(E)					
4201	MIL Exth J	NC 30	632	75 2.0+1	Milazzo-Coll+ 0.3MB.
¹⁴²Ce(p,n)¹⁴²Pr including metastable? σ(E)					
4202	KFK Comp B	PH-DAT 15	2 079	1.2+1	Muenzel+ TBL. FROM EXFOR.
4203	ORL Expt J	PR 100 1340	055	1.2+1	Blosser+ TBL. CURV.
	Expt 4	EXFORB0052.019	77	1.2+1	. (110+-40)MB.
¹⁴²Ce(p,γ)¹⁴³Pr σ(E)					
4204	GOE Expt J	ZP/A 291	377	79 2.0+1	Kantus+ TBL. REV. OF MAX SIG. CFD. CALC
¹⁴¹Pr(p,absorption) σ(E)					
4205	IJI Revv J	FCY 6	827	75 9.9+1	Nemets+ TBL. FROM CJP 44,1847(1966).
	Revv J	SJPN 6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).
¹⁴¹Pr(p,4n)¹³⁸Nd σ(E)					
4206	KFK Comp B	PH-DAT 15	1 079	3.8+1 8.5+1	Muenzel+ TBL. FROM EXFOR.
4207	MCG Exth J	JIN 33 3627	71	3.8+1 8.5+1	Hogan. TBL. CURV. ACTIV. RADIOCHEM.
	Exth 4	EXFORB0003.005	076	3.8+1 8.5+1	. 6 ENTRIES
¹⁴¹Pr(p,3n)¹³⁹Nd σ(E)					
4208	KFK Comp B	PH-DAT 15	1 079	2.5+1 8.5+1	Muenzel+ TBL. FROM EXFOR.
4209	MCG Exth J	JIN 33 3627	71	2.5+1 8.5+1	Hogan. TBL. CURV. ACTIV. RADIOCHEM.
	Exth 4	EXFORB0003.004	076	2.5+1 8.5+1	. 9 DATA POINTS. T1/2=30.0M.
¹⁴¹Pr(p,3n)¹³⁹Nd σ(E)					
4210	KFK Comp B	PH-DAT 15	1 079	2.5+1 8.5+1	Muenzel+ TBL. FROM EXFOR.
4211	MCG Exth J	JIN 33 3627	71	2.5+1 8.5+1	Hogan. TBL. CURV. ACTIV. RADIOCHEM.

REFERENCES (cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{141}\text{Pr}(p,3n)^{139m}\text{Nd}$ $\sigma(E)$				
4211 MCG Exth 4	EXFORB0003.004	076	2.5+1	8.5+1 . 9 DATA POINTS. $T_{1/2}=5.5\text{H}$.
$^{141}\text{Pr}(p,3n)^{139m+9}\text{Nd}$ summation $\sigma(E)$				
4212 KFK Comp B PH-DAT 15	1 079	2.5+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
4213 MCG Exth J JIN 33	3627 71	2.5+1	8.5+1	Hogan. TBL. CURV. DEDUCED.
Exth 4	EXFORB0003.004	076	2.5+1	8.5+1 . 9 DATA POINTS.
$^{141}\text{Pr}(p,3n)^{139m+9}\text{Nd}$ ratio $\sigma(E)$				
4214 KFK Comp B PH-DAT 15	1 079	2.5+1	8.5+1	Muenzel+ TBL. FROM EXFOR.
4215 MCG Exth J JIN 33	3627 71	2.5+1	8.5+1	Hogan. TBL. CURV. DEDUCED.
Exth 4	EXFORB0003.004	076	2.5+1	8.5+1 . 9 POINTS. $T_{1/2}=5.5\text{H}/T_{1/2}=30.0\text{M}$.
$^{141}\text{Pr}(p,2n)^{140}\text{Nd}$ $\sigma(E)$				
4216 KFK Comp B PH-DAT 15	1 079	9.0+0	8.5+1	Muenzel+ TBL. FROM EXFOR.
4217 MCG Exth J JIN 33	3627 71	9.0+0	8.5+1	Hogan. TBL. CURV. ACTIV. RADIOCHEM.
Exth 4	EXFORB0003.003	076	9.0+0	8.5+1 . 13 DATA POINTS.
$^{141}\text{Pr}(p,n)^{141}\text{Nd}$ including metastable $\sigma(E)$				
4218 KFK Comp B PH-DAT 15	1 079	9.0+0	3.8+1	Muenzel+ TBL. FROM EXFOR.
4219 MCG Exth J JIN 33	3627 71	9.0+0	3.8+1	Hogan. TBL. CURV. ACTIV. RADIOCHEM.
Exth 4	EXFORB0003.002	076	9.0+0	3.8+1 . 6 DATA POINTS.
Nd(p,absorption) $\sigma(E)$				
4220 IJI Revv J FCY 6	827 75	9.9+1		Nemets+ TBL. FROM CJP 44,1847(1966).
Revv J SJPN 6	325 76	9.9+1		TRANSLATION OF FCY 6,(4),827(1975).
$^{142}\text{Nd}(p,x)^{141m}\text{Nd}$ product yield				
4221 MCG Expt J PR/C 15	800 277	3.5+1	6.0+1	Deslauriers+ NDG.
$^{142}\text{Nd}(p,7n)^{136}\text{Pm}$ product yield				
4222 MCG Expt J PR/C 15	800 277	4.0+1	6.0+1	Deslauriers+ NDG. $T_{1/2}=13.1\text{M}$.
$^{142}\text{Nd}(p,5n)^{138}\text{Pm}$ product yield				
4223 MCG Expt J PR/C 15	800 277	5.0+1	6.0+1	Deslauriers+ NDG.
$^{142}\text{Nd}(p,4n)^{138}\text{Pm}$ product yield				
4224 MCG Expt J PR/C 15	800 277	4.0+1	6.0+1	Deslauriers+ NDG. $T_{1/2}=4.15\text{M}$. MAX=50MEV
$^{142}\text{Nd}(p,3n)^{140}\text{Pm}$ cumulative? product yield				
4225 MCG Expt J PR/C 15	800 277	3.5+1	6.0+1	Deslauriers+ NDG.
$^{142}\text{Nd}(p,3n)^{140}\text{Pm}$ product yield				
4226 MCG Expt J PR/C 15	800 277	3.5+1	6.0+1	Deslauriers+ NDG.
$^{142}\text{Nd}(p,2n)^{141}\text{Pm}$ partial product yield				
4227 MSU Expt A BAP 24	650 479			Aryaeinejad+ NDH. IN-BEAM GAMMAS.
$^{142}\text{Nd}(p,2n)^{141}\text{Pm}$ product yield				
4228 MCG Expt J PR/C 15	800 277	3.5+1	6.0+1	Deslauriers+ NDG.
$^{142}\text{Nd}(p,2n)^{141}\text{Pm}$ partial relative $\sigma(E)$				
4229 JYV Expt R JU-RR-10-1979	879	1.2+1	2.0+1	Kortelahti+ NDG. GE(L1). 125 DEG.
Expt R JU-RR-10-1979	879	2.0+1		Kortelahti+ TBL. 32GS. ALSO A2,A4,ALPHA
$^{142}\text{Nd}(p,n)^{142}\text{Pm}$ relative I_{γ}				
4230 ROS Expt J NP/A 274	61 076	5.0+0	1.0+1	Funke+ TBL. EG=.0264 TO .7568.
$^{143}\text{Nd}(p,n)^{143}\text{Pm}$ thick target yield				
4231 CLU Exth J AND 23	177 279	4.7+0	6.0+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
Expt J AJ 205	302 76			. MORE TECHNICAL DETAILS.
Expt J AJ 193	187 074			. MORE TECHNICAL DETAILS.
Expt J AJ 188	595 374			. MORE TECHNICAL DETAILS.
$^{144}\text{Nd}(p,2n)^{143}\text{Pm}$ partial relative $\sigma(E)$				
4232 JYV Expt R JU-RR-10-1979	879	1.6+1	2.0+1	Kortelahti+ CURV. GE(L1). 76S.
Expt R JU-RR-10-1979	879	2.0+1		Kortelahti+ TBL. 46GS. ALSO A2,A4,ALPHA
$^{144}\text{Nd}(p,n)^{144}\text{Pm}$ thick target yield				
4233 CLU Exth J AND 23	177 279	3.8+0	6.0+0	Roughton+ TBL. ALSO STELLAR REACT. RATE
Expt J AJ 205	302 76			. MORE TECHNICAL DETAILS.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author.	Comments
		¹⁴⁴ Nd(p,n) ¹⁴⁴ Pm	thick target yield			
4233	CLU Expt J AJ	193	187	074	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374	NDG	. MORE TECHNICAL DETAILS.
		¹⁴⁵ Nd(p,3n) ¹⁴³ Pm	partial relative σ(E)			
4234	JYV Expt R JU-RR-10-1979	879	1.2+1	2.0+1	Kortelahti+ NDG.	GE(LI).
		¹⁴⁵ Nd(p,n) ¹⁴⁵ Pm	relative I _γ			
4235	OSA Expt J NP/A 282	29	577	8.0+0	Nagai+ TBL.	REL TO 492.6KEV G.
		¹⁴⁶ Nd(p,2n) ¹⁴⁶ Pm	partial relative σ(E)			
4236	JYV Expt R JU-RR-10-1979	879	1.2+1	2.0+1	Kortelahti+ NDG.	GE(LI).
	Expt R JU-RR-10-1979	879	1.6+1		Kortelahti+ TBL.	66GS. ALSO A2,A4,ALPHA
		¹⁴⁶ Nd(p,n) ¹⁴⁶ Pm	thick target yield			
4237	CLU Exth J AND	23	177	279	3.9+0	6.0+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187	074	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374	NDG	. MORE TECHNICAL DETAILS.
		¹⁴⁸ Nd(p,2n) ¹⁴⁷ Pm	relative I _γ			
4238	JYV Expt J NP/A 288	365	077	1.2+1	2.0+1	Kortelahti+ NDG. ALSO C-E MEAS. IN-BEAM
		¹⁴⁸ Nd(p,2n) ¹⁴⁷ Pm	partial relative σ(E)			
4239	JYV Expt R JU-RR-10-1979	879	1.2+1	2.0+1	Kortelahti+ NDG.	GE(LI).
	Expt R JU-RR-10-1979	879	1.5+1		Kortelahti+ TBL.	59GS. ALSO A2,A4,ALPHA
		¹⁴⁸ Nd(p,n) ¹⁴⁸ Pm	σ(E)			
4240	JUL Expt P JUEL-1974	58	74	9.0+0	4.5+1	Guckel+ CURV.
4241	MUN Expt J PR/C 16	160	777	1.1+1	4.6+1	Aumann+ CURV.
	Expt 4 EXFORB0086.002	379	9.0+0	4.5+1		. 18 DATA POINTS.
		¹⁴⁸ Nd(p,n) ¹⁴⁸ Pm	thick target yield			
4242	CLU Exth J AND	23	177	279	3.9+0	6.0+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187	074	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374	NDG	. MORE TECHNICAL DETAILS.
		¹⁴⁸ Nd(p,n) ¹⁴⁸ Pm	σ(E)			
4243	JUL Expt P JUEL-1974	58	74	9.0+0	4.5+1	Guckel+ CURV.
4244	MUN Expt J PR/C 16	160	777	1.1+1	4.6+1	Aumann+ CURV.
	Expt 4 EXFORB0086.002	379	9.0+0	4.5+1		. 18 DATA POINTS.
		¹⁴⁸ Nd(p,n) ¹⁴⁸ Pm	thick target yield			
4245	CLU Exth J AND	23	177	279	3.9+0	6.0+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187	074	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374	NDG	. MORE TECHNICAL DETAILS.
		¹⁴⁸ Nd(p,n) ¹⁴⁸ Pm	ratio σ(E)			
4246	MUN Expt J PR/C 16	160	777	8.0+0	2.2+1	Aumann+ CURV. EXP. AND CALC.
	Expt 4 EXFORB0086.002	379	9.0+0	4.5+1		. 18 DATA POINTS.
4247	JUL Expt P JUEL-1974	58	74	9.0+0	4.5+1	Guckel+ CURV. CFD. THEORY.
		¹⁵⁰ Nd(p,α) ¹⁴⁷ Pr	σ(E)			
4248	KFK Comp B PH-DAT 15	1	079	1.8+1		Muenzel+ TBL. FROM EXFOR.
4249	MIL Exth J NP/A 218	274	74	1.8+1		Milazzo-Colli+ INTAD. AT MUU. PREFORM.
	Exth 4 EXFORB0006.003	076	1.8+1			. (6.7+-20PRCNT)MB.
		¹⁵⁰ Nd(p,2n) ¹⁴⁹ Pm	partial relative σ(E)			
4250	JYV Expt J NP/A 332	422	079	1.2+1	1.6+1	Kortelahti+ NDG. GE(LI) AT 125 DEG.
	Expt J NP/A 332	422	079	1.4+1		Kortelahti+ TBL. 75GS. ALSO A2,A4,ALPHA
	Expt R JU-RR-10-1979	879	1.2+1	2.0+1		Kortelahti+ NDG. GE(LI).
	Expt R JU-RR-10-1979	879	1.4+1			Kortelahti+ TBL. 75GS. ALSO A2,A4,ALPHA
		¹⁵⁰ Nd(p,n) ¹⁵⁰ Pm	thick target yield			
4251	CLU Exth J AND	23	177	279	3.0+0	6.0+0 Roughton+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205	302	76	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	193	187	074	NDG	. MORE TECHNICAL DETAILS.
	Expt J AJ	188	595	374	NDG	. MORE TECHNICAL DETAILS.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author. Comments
$^{144}\text{Sm}(p,2n\alpha)^{139}\text{Pm}$	product yield			
4252 MCG Expt J ZP/A 283	33 77 3.5+1	6.5+1	Deslauriers+ NDG. NOTED PRESENCE.	
$^{144}\text{Sm}(p,4n+p)^{140}\text{Sm}$	product yield			
4253 MCG Expt J ZP/A 283	33 77 3.5+1	6.5+1	Deslauriers+NDG. SMALL AMOUNTS PRODUCED	
$^{144}\text{Sm}(p,3n+p)^{141}\text{Sm}$	product yield			
4254 MCG Expt J ZP/A 283	33 77 3.5+1	6.5+1	Deslauriers+ NDG. NOTED PRESENCE.	
$^{144}\text{Sm}(p,x)^{141g/4}\text{Sm}$	ratio $\sigma(E)$			
4255 MCG Expt J PR/C 15	792 277 3.0+1	6.0+1	Kennedy+ NDG. MAX. RATIO AT 55MEV.	
$^{144}\text{Sm}(p,\text{inelastic})^{144}\text{Sm}$	partial $\sigma(E)_p$			
4256 LRL Expt J PR/C 20	20 779 2.6+1		Wong+ TBL. INTAD. THEORY.	
$^{144}\text{Sm}(p,5n)^{140}\text{Eu}$	product yield			
4257 MCG Expt J ZP/A 283	33 77 3.5+1	6.5+1	Deslauriers+NDG. SMALL AMOUNTS PRODUCED	
$^{144}\text{Sm}(p,4n)^{141g}\text{Eu}$	product yield			
4258 MCG Expt J ZP/A 283	33 77 3.5+1	6.5+1	Deslauriers+NDG.ID BY THRESH.+PAR.-DAU.	
$^{144}\text{Sm}(p,4n)^{141e}\text{Eu}$	product yield			
4259 MCG Expt J ZP/A 283	33 77 3.5+1	6.5+1	Deslauriers+NDG.ID BY THRESH.+PAR.-DAU.	
$^{144}\text{Sm}(p,2n)^{143}\text{Eu}$	partial product yield			
4260 MSU Expt A BAP 24	650 479 NDG		Aryaeinejad+ NDH. IN-BEAM GAMMAS.	
$^{144}\text{Sm}(p,n)^{144}\text{Eu}$	partial $\sigma(E)$			
4261 LRL Expt J PR/C 20	20 779 2.6+1		Wong+ TBL. INTAD. EXPT(3) CFD THY(3).	
$^{144}\text{Sm}(p,n)^{144}\text{Eu}$	relative I_γ			
4262 ROS Expt J NP/A 274	61 076 5.0+0	1.0+1	Funke+ TBL. EG=.0076 TO .4507.	
$^{144}\text{Sm}(p,\gamma)^{145}\text{Eu}$	thick target yield			
4263 CLU Exth J AND 23	177 279 3.3+0	6.8+0	Roughton+ TBL. ALSO STELLAR REACT. RATE	
Expt J AJ 205	302 76 NDG		. MORE TECHNICAL DETAILS.	
Expt J AJ 193	187 074 NDG		. MORE TECHNICAL DETAILS.	
Expt J AJ 188	595 374 NDG		. MORE TECHNICAL DETAILS.	
$^{147}\text{Sm}(p,\alpha)^{144}\text{Pm}$	$\sigma(E)$			
4264 KFK Comp B PH-DAT 15	1 079 1.8+1		Muenzel+ TBL. FROM EXFOR.	
4265 MIL Exth J NP/A 218	274 74 1.8+1		Milazzo-Colli+ INTAD. AT MUU. PREFORM.	
Exth 4 EXFORB0006.002 076 1.8+1			. (13.06+-20PRCNT)MB.	
$^{147}\text{Sm}(p,n)^{147}\text{Eu}$	thick target yield			
4266 CLU Exth J AND 23	177 279 3.1+0	6.8+0	Roughton+ TBL. ALSO STELLAR REACT. RATE	
Expt J AJ 205	302 76 NDG		. MORE TECHNICAL DETAILS.	
Expt J AJ 193	187 074 NDG		. MORE TECHNICAL DETAILS.	
Expt J AJ 188	595 374 NDG		. MORE TECHNICAL DETAILS.	
$^{148}\text{Sm}(p,\text{inelastic})^{148}\text{Sm}$	partial $\sigma(E)_p$			
4267 LRL Expt J PR/C 20	20 779 2.6+1		Wong+ TBL. INTAD. THEORY.	
$^{148}\text{Sm}(p,n)^{148}\text{Eu}$	partial $\sigma(E)$			
4268 LRL Expt J PR/C 20	20 779 2.6+1		Wong+ TBL. INTAD. EXPT(3) CFD THY(5).	
$^{148}\text{Sm}(p,n)^{148}\text{Eu}$	thick target yield			
4269 CLU Exth J AND 23	177 279 3.9+0	6.8+0	Roughton+ TBL. ALSO STELLAR REACT. RATE	
Expt J AJ 205	302 76 NDG		. MORE TECHNICAL DETAILS.	
Expt J AJ 193	187 074 NDG		. MORE TECHNICAL DETAILS.	
Expt J AJ 188	595 374 NDG		. MORE TECHNICAL DETAILS.	
$^{149}\text{Sm}(p,n)^{149}\text{Eu}$	thick target yield			
4270 CLU Exth J AND 23	177 279 3.1+0	6.8+0	Roughton+ TBL. ALSO STELLAR REACT. RATE	
Expt J AJ 205	302 76 NDG		. MORE TECHNICAL DETAILS.	
Expt J AJ 193	187 074 NDG		. MORE TECHNICAL DETAILS.	
Expt J AJ 188	595 374 NDG		. MORE TECHNICAL DETAILS.	
$^{150}\text{Sm}(p,\alpha)^{147}\text{Pm}$	$\sigma(E)$			
4271 MIL Exth J NC 30	632 75 2.0+1		Milazzo-Colli+ (7.2+-1.4)MB.	

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
	$^{150}\text{Sm}(p,\alpha)^{147}\text{Pm}$	partial $\sigma(E)$			
4272	MIL Exth J NC	30 632 75	2.0+1		Milazzo-Colli+ PRECOMPOUND = 5.6MB.
	$^{150}\text{Sm}(p,n)^{147}\text{Pm}$	direct-interaction $\sigma(E)$			
4273	MIL Exth J NC	30 632 75	2.0+1		Milazzo-Colli+ 0.3MB.
	$^{150}\text{Sm}(p,\text{inelastic})^{150}\text{Sm}$	partial $\sigma(E)_p$			
4274	LRL Expt J PR/C	20 20 779	2.6+1		Hong+ TBL. INTAD. THEORY.
	$^{150}\text{Sm}(p,2n)^{148}\text{Eu}$	relative I_γ			
4275	TOK Expt J NP/A	293 137 077	1.8+1	2.6+1	Nakayama+ CURV. 12 GAMMAS. 125 DEG.
	Expt J NP/A	293 137 077	2.0+1		Nakayama+ TBL. 25 GAMMAS. ALSO A2/A0.
	$^{150}\text{Sm}(p,n)^{150}\text{Eu}$	partial $\sigma(E)$			
4276	LRL Expt J PR/C	20 20 779	2.6+1		Hong+ TBL. INTAD. EXPT(3) CFD THY(6).
	$^{150}\text{Sm}(p,n)^{150}\text{Eu}$	thick target yield			
4277	CLU Exth J AND	23 177 279	3.4+0	6.8+0	Roughlon+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205 302 76	NDG		. MORE TECHNICAL DETAILS.
	Expt J AJ	193 187 074	NDG		. MORE TECHNICAL DETAILS.
	Expt J AJ	188 595 374	NDG		. MORE TECHNICAL DETAILS.
	$^{152}\text{Sm}(p,\alpha)^{149}\text{Pm}$	$\sigma(E)$			
4278	KFK Comp B PH-DAT	15 1 079	1.8+1		Muenzel+ TBL. FROM EXFOR.
4279	MIL Exth J NP/A	218 274 74	1.8+1		Milazzo-Colli+ INTAD. AT MUJ. PREFORM.
	Exth 4 EXFORB0006.004	076 1.8+1			. (6.47+-20PRCNT)MB.
	$^{152}\text{Sm}(p,\text{inelastic})^{152}\text{Sm}$	partial $\sigma(E)_p$			
4280	LRL Expt J PR/C	20 20 779	2.6+1		Hong+ TBL. INTAD. THEORY.
	$^{152}\text{Sm}(p,2n)^{151}\text{Eu}$	partial product yield			
4281	MIL Expt J JP/G	5 697 579	1.9+1	2.8+1	Bianco+ NDG. G YLDS. 3MEV STEPS.
	$^{152}\text{Sm}(p,n)^{152}\text{Eu}$	partial $\sigma(E)$			
4282	LRL Expt J PR/C	20 20 779	2.6+1		Hong+ TBL. INTAD. EXPT(2) CFD THY(4).
	$^{152}\text{Sm}(p,n)^{152}\text{Eu}$	thick target yield			
4283	CLU Exth J AND	23 177 279	3.0+0	6.8+0	Roughlon+ TBL. ALSO STELLAR REACT. RATE
	Expt J AJ	205 302 76	NDG		. MORE TECHNICAL DETAILS.
	Expt J AJ	193 187 074	NDG		. MORE TECHNICAL DETAILS.
	Expt J AJ	188 595 374	NDG		. MORE TECHNICAL DETAILS.
	$^{154}\text{Sm}(p,\alpha)^{151}\text{Pm}$	$\sigma(E)$			
4284	KFK Comp B PH-DAT	15 1 079	1.8+1		Muenzel+ TBL. FROM EXFOR.
4285	MIL Exth J NP/A	218 274 74	1.8+1		Milazzo-Colli+ INTAD. AT MUJ. PREFORM.
	Exth 4 EXFORB0006.005	076 1.8+1			. (5.4+-20PRCNT)MB.
	$\text{Eu}(p,\text{absorption})$	$\sigma(E)$			
4286	IJI Revv J FCY	6 827 75	9.9+1		Nemets+ TBL. FROM CJP 44,1847(1966).
	Revv J SJPN	6 325 76	9.9+1		. TRANSLATION OF FCY 6,(4),827(1975).
	$\text{Eu}(p,x)^{146}\text{Eu}$	$\sigma(E)$			
4287	TOK Expt J JIN	38 2157 76	4.9+1	5.2+1	Komura+ TBL. ACTIVATION METHOD.
	$\text{Eu}(p,x)^{147}\text{Eu}$	$\sigma(E)$			
4288	TOK Expt J JIN	38 2157 76	3.9+1	5.2+1	Komura+ TBL. ACTIVATION METHOD.
	$\text{Eu}(p,x)^{148}\text{Eu}$	$\sigma(E)$			
4289	TOK Expt J JIN	38 2157 76	2.9+1	5.2+1	Komura+ TBL. ACTIVATION METHOD.
	$\text{Eu}(p,x)^{149}\text{Eu}$	$\sigma(E)$			
4290	TOK Expt J JIN	38 2157 76	2.9+1	5.2+1	Komura+ TBL. +-50 PER CT DUE TO GD-149
	$\text{Eu}(p,x)^{146}\text{Gd}$	$\sigma(E)$			
4291	TOK Expt J JIN	38 2157 76	4.6+1	5.2+1	Komura+ TBL. ACTIVATION METHOD.
	$\text{Eu}(p,x)^{147}\text{Gd}$	$\sigma(E)$			
4292	TOK Expt J JIN	38 2157 76	3.7+1	5.2+1	Komura+ TBL. ACTIVATION METHOD.
	$\text{Eu}(p,x)^{148}\text{Gd}$	$\sigma(E)$			
4293	TOK Expt J JIN	38 2157 76	2.6+1	5.2+1	Komura+ TBL. ACTIVATION METHOD.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author.	Comments
		Eu(p,x) ¹⁴⁹ Gd σ(E)				
4291	TOK Expt J JIN	38 2157	76 1.7+1	5.2+1	Komura+	TBL. ACTIVATION METHOD.
		Eu(p,x) ¹⁵¹ Gd σ(E)				
4295	TOK Expt J JIN	38 2157	76 6.2+0	5.2+1	Komura+	TBL. ACTIVATION METHOD.
		Eu(p,x) ¹⁵³ Gd σ(E)				
4296	TOK Expt J JIN	38 2157	76 6.2+0	5.2+1	Komura+	TBL. ACTIVATION METHOD.
		¹⁵¹ Eu(p,5n+p) ¹⁴⁶ Eu σ(E)				
4297	TOK Expt J JIN	38 2157	76 6.2+0	5.2+1	Komura+	CURV. FROM ELEMENTAL + Q-VALUE.
		¹⁵¹ Eu(p,4n+p) ¹⁴⁷ Eu σ(E)				
4298	TOK Expt J JIN	38 2157	76 3.9+1	5.2+1	Komura+	CURV. FROM ELEMENTAL + Q-VALUE.
		¹⁵¹ Eu(p,3n+p) ¹⁴⁸ Eu σ(E)				
4299	TOK Expt J JIN	38 2157	76 2.9+1	5.2+1	Komura+	CURV. FROM ELEMENTAL + Q-VALUE.
		¹⁵¹ Eu(p,2n+p) ¹⁴⁹ Eu σ(E)				
4300	TOK Expt J JIN	38 2157	76 2.9+1	5.2+1	Komura+	CURV. FROM ELEMENTAL + Q-VALUE.
		¹⁵¹ Eu(p,6n) ¹⁴⁶ Gd σ(E)				
4301	TOK Expt J JIN	38 2157	76 4.6+1	5.2+1	Komura+	CURV. FROM ELEMENTAL + Q-VALUE.
		¹⁵¹ Eu(p,5n) ¹⁴⁷ Gd σ(E)				
4302	TOK Expt J JIN	38 2157	76 3.7+1	5.2+1	Komura+	CURV. FROM ELEMENTAL + Q-VALUE.
		¹⁵¹ Eu(p,4n) ¹⁴⁸ Gd σ(E)				
4303	TOK Expt J JIN	38 2157	76 2.6+1	5.2+1	Komura+	CURV. FROM ELEMENTAL + Q-VALUE.
		¹⁵¹ Eu(p,3n) ¹⁴⁹ Gd σ(E)				
4304	TOK Expt J JIN	38 2157	76 1.7+1	5.2+1	Komura+	CURV. FROM ELEMENTAL + Q-VALUE.
		¹⁵¹ Eu(p,n) ¹⁵¹ Gd σ(E)				
4305	TOK Expt J JIN	38 2157	76 6.2+0	5.2+1	Komura+	CURV. FROM ELEMENTAL + Q-VALUE.
		¹⁵³ Eu(p,5n) ¹⁴⁹ Gd σ(E)				
4306	TOK Expt J JIN	38 2157	76 2.6+1	5.2+1	Komura+	CURV. FROM ELEMENTAL + Q-VALUE.
		¹⁵³ Eu(p,3n) ¹⁵¹ Gd σ(E)				
4307	TOK Expt J JIN	38 2157	76 1.7+1	5.2+1	Komura+	CURV. FROM ELEMENTAL + Q-VALUE.
		¹⁵³ Eu(p,n) ¹⁵³ Gd σ(E)				
4308	TOK Expt J JIN	38 2157	76 6.2+0	5.2+1	Komura+	CURV. FROM ELEMENTAL + Q-VALUE.
		Gd(p,absorption) σ(E)				
4309	IJI Revw J FCY	6 827	75 9.8+1		Nemels+	TBL. FROM CJP 44,1847(1966).
	Revw J SJPN	6 325	76 9.8+1			TRANSLATION OF FCY 6,(4),827(1975).
		¹⁵⁵ Gd(p,2n) ^{154g} Tb σ(E)				
4310	MCG Expt A DA/B	37 2235	N76 1.5+1	1.7+1	Lau.	NDG.
		¹⁵⁵ Gd(p,2n) ^{154m1} Tb σ(E)				
4311	MCG Expt A DA/B	37 2236	N76 1.5+1	1.7+1	Lau.	NDG.
		¹⁵⁵ Gd(p,2n) ^{154m2} Tb σ(E)				
4312	MCG Expt A DA/B	37 2236	N76 1.5+1	1.7+1	Lau.	NDG.
		¹⁵⁶ Gd(p,α) ¹⁵³ Eu σ(E)				
4313	MIL Exth J NC	30 632	75 2.0+1		Milazzo-Colli+	(4.1+0.8)MB.
		¹⁵⁶ Gd(p,α) ¹⁵³ Eu partial σ(E)				
4314	MIL Exth J NC	30 632	75 2.0+1		Milazzo-Colli+	PRECOMPOUND = 3.8MB.
		¹⁵⁶ Gd(p,α) ¹⁵³ Eu direct-interaction σ(E)				
4315	MIL Exth J NC	30 632	75 2.0+1		Milazzo-Colli+	0.2MB.
		¹⁶⁰ Gd(p,n) ¹⁶⁰ Tb σ(E)				
4316	KFK Comp B PH-DAT	15 1 079	4.3+0	4.4+1	Muenzel+	TBL. FROM EXFOR.
4317	MIL Expt J NP/A	201 579	73 4.3+0	4.4+1	Birattari+	CURV. T1/2=72.1D
		Expt 4 EXFORB0018.003	076 4.3+0	4.4+1		20 DATA POINTS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
¹⁵⁹ Tb(p,absorption) σ(E)					
4318	MNA Expt J NP/A	324	109	779 2.0+1	4.8+1 Abegg+ TBL. CURV. ATTENUATION.
4319	IJI Revv J FCY	6	827	75 9.9+1	Nemets+ TBL. FROM CJP 44,1847(1966).
	Revv J SJPN	6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).
¹⁵⁹ Tb(p,4n) ¹⁵⁶ Ny relative I _γ					
4320	IKO Expt J NP/A	290	173	077 4.4+1	De-Boer+ TBL. 90 PROMPT GS+CONV. ES.
¹⁵⁹ Tb(p,3n) ¹⁵⁷ Dy thick target yield					
4321	AML Revv J IRE	26	2281	479 3.0+1	Chaudri. TBL. CFD EXP. TO CALC.
Dy(p,absorption) σ(E)					
4322	IJI Revv J FCY	6	827	75 9.8+1	Nemets+ TBL. FROM CJP 44,1847(1966).
	Revv J SJPN	6	325	76 9.8+1	. TRANSLATION OF FCY 6,(4),827(1975).
¹⁵⁸ Dy(p,t) ¹⁵⁶ Dy partial σ(E)					
4323	BNL Expt J PR/C	15	1947	677 3.0+1	Kolata+ TBL. INTAD(10-60 DEG). 34 LEV.
¹⁵⁷ Ho(p,absorption) σ(E)×factor					
4324	PAR Revv J APH	3	5	78 5.5+1	1.2+2 Lefort+ CURV.
¹⁵⁷ Ho(p,5n) ¹⁵³ Er σ(E)×factor					
4325	PAR Revv J APH	3	5	78 5.5+1	1.2+2 Lefort+ CURV. RATIO 5N/ABS. EXC. E.
	Revv J JPRC	37	57	N76 5.1+1	7.1+1 Lefort. CURV.
¹⁶⁵ Ho(p,absorption) σ(E)					
4326	IJI Revv J FCY	6	827	75 9.9+1	Nemets+ TBL. FROM CJP 44,1847(1966).
	Revv J SJPN	6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).
¹⁶⁵ Ho(p,6n) ¹⁶⁰ Er partial ν _γ					
4327	OSA Expt J NP/A	305	167	778 6.0+1	Ejiri+ CURV. AS FUNC OF INITIAL J.
¹⁶⁵ Ho(p,4n) ¹⁶² Er relative I _γ					
4328	LVN Expt J NP/A	283	493	777 3.9+1	Janssens+ TBL. 54 GAMMAS.
	Expt J NP/A	283	493	777 3.4+1	3.9+1 Janssens+ CURV. 26 GAMMAS.
¹⁶⁵ Ho(p,4n) ¹⁶² Er partial ν _γ					
4329	OSA Expt J NP/A	305	167	778 6.0+1	Ejiri+ CURV. AS FUNC OF INITIAL J.
¹⁶⁵ Ho(p,x)isotopic distribution partial σ(E)					
4330	OSA Expt J NP/A	305	167	778 6.0+1	Ejiri+ TBL. IN-BEAM GS. 4P1+SIG(40DEG)
	Expt C 771OKYO	730	977	6.0+1	Ejiri+ CURV. 6 PRODUCTS. GAMMA DET.
¹⁶⁵ Ho(p,x)isotopic distribution σ(E)					
4331	OSA Expt J NP/A	305	167	778 6.0+1	Ejiri+ CURV. X=2-6. AS FUNC OF E AVAILA
¹⁶⁷ Ho(p,x) partial σ(E)					
4332	OSA Theo P A-RCNP-77	218	78	NDG	Sakai+ CURV. PREEQ. FRACT. EXCITON
¹⁶⁷ Er(p,n) ¹⁶⁷ Tm σ(E)×factor					
4333	JAP Expt A JLCR	23	191	77 NDG	Murakami+ NDG. DISAGREE WITH EARLY WORK
¹⁶⁷ Er(p,x) ¹⁶⁷ Tm σ(E)					
4334	JAP Expt A JLCR	23	191	77 NDG	Murakami+ NDG. DISAGREE WITH EARLY WORK
¹⁶⁵ Tm(p,n) ¹⁶⁵ Yb σ(E)					
4335	TUD Revv J FCY	7	499	476 1.0+1	5.0+1 Seidel+ CURV. PREEQUILIBRIUM MODEL
	Revv J SJPN	7	192	77 1.0+1	5.0+1 .TRANSLATION OF FCY 7(2), 499(1976)
¹⁶⁸ Tm(p,absorption) σ(E)					
4336	IJI Revv J FCY	6	827	75 9.9+1	Nemets+ TBL. FROM CJP 44,1847(1966).
	Revv J SJPN	6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).
¹⁶⁹ Tm(p,4n) ¹⁶⁶ Yb σ(E)					
4337	LAS Theo C 77BNL	467	77	3.0+1	4.0+1 Arthur+ CURV. GNASH CODE.
4338	KFK Comp B PH-OAT	15	2	D79 3.1+1	4.4+1 Muenzel+ TBL. FROM EXFOR.
4339	MIL Expt J NP/A	166	605	71 3.1+1	4.4+1 Birattari+ CURV. FROM K X-RAY INTENSITY
	Expt 4 EXFORB0038.003	876	3.1+1	4.4+1	. 7 ENTRIES.
¹⁶⁹ Tm(p,3n) ¹⁶⁷ Yb σ(E)					
4340	LAS Theo C 77BNL	467	77	1.9+1	4.0+1 Arthur+ CURV. GNASH CODE.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
$^{169}\text{Tm}(p,3n)^{167}\text{Yb} \quad \sigma(E)$					
4341	KFK Comp B PH-DAT 15	2 079 2.0+1	4.2+1	Muenzel+ TBL. FROM EXFOR.	
4342	MIL Expt J NP/A 166 605 71 2.0+1	4.2+1	Birattari+ CURV. FROM K X-RAY INTENSITY		
	Expt 4 EXFORB0038.002 876 2.0+1	4.2+1	13 ENTRIES.		
$^{169}\text{Tm}(p,2n)^{168}\text{Yb} \quad \sigma(E)$					
4343	LAS Theo P LA- 6893-PR 7 677 1.0+1	4.0+1	Arthur+ CURV. GNASH.		
$^{169}\text{Tm}(p,n)^{168}\text{Yb} \quad \sigma(E)$					
4344	LAS Theo P LA- 6754-PR 3 377 5.0+0	2.0+1	Arthur. CURV. GNASH CODE. CFD EXP.		
	Theo C 77BNL 467 77 7.0+0	4.0+1	Arthur+ CURV. GNASH CODE.		
$^{169}\text{Tm}(p,n)^{169}\text{Yb}$ Including metastable $\sigma(E)$					
4345	KFK Comp B PH-DAT 15 1 079 3.3+0	4.4+1	Muenzel+ TBL. FROM EXFOR.		
4346	MIL Expt J NP/A 201 579 73 3.3+0	4.4+1	Birattari+ CURV. T1/2=32.00		
	Expt 4 EXFORB0018.004 076 3.3+0	4.4+1	20 DATA POINTS.		
$^{169}\text{Tm}(p,x)$ Isotopic distribution average ν_y					
4347	INU Expt A BAP 23 626 478 8.0+1		Wiggins+ NDG. FUNCT. OF RESID. NUCLEUS.		
	Expt W NEWSLETTER22 278 8.0+1		Wiggins+ NDG. APRIL APS MEETING.		
$^{170}\text{Yb}(p,4n)^{167}\text{Lu}$ relative I_y					
4348	GRE Expt J NP/A 287 77 877 4.0+1		Barneoud+ TBL.		
$^{171}\text{Yb}(p,\alpha)^{168}\text{Tm} \quad \sigma(E)$					
4349	MIL Exth J NC 30 632 75 2.0+1		Milazzo-Colli+ (2.8+-0.6)MB.		
$^{171}\text{Yb}(p,\alpha)^{168}\text{Tm}$ partial $\sigma(E)$					
4350	MIL Exth J NC 30 632 75 2.0+1		Milazzo-Colli+ PRECOMPOUND= 2.7MB.		
$^{171}\text{Yb}(p,\alpha)^{168}\text{Tm}$ direct-interaction $\sigma(E)$					
4351	MIL Exth J NC 30 632 75 2.0+1		Milazzo-Colli+ 0.1MB.		
$^{176}\text{Yb}(p,\alpha)^{173}\text{Tm} \quad \sigma(E)$					
4352	KFK Comp B PH-DAT 15 1 079 1.8+1		Muenzel+ TBL. FROM EXFOR.		
4353	MIL Exth J NP/A 218 274 74 1.8+1		Milazzo-Colli+ INTAD. AT MUU. PREFORM.		
	Exth 4 EXFORB0006.006 076 1.8+1		(4.12+-20PCNT)MB.		
$^{178}\text{Yb}(p,\gamma)^{177}\text{Lu} \quad \sigma(E)$					
4354	UPP Expt P NEANDC(OR)150 477 6.0+0	2.4+1	Bergqvist+ CURV. GDR.		
	Expt P LU-NP-1976 534 177 6.0+0	2.4+1	Bergqvist+ CURV. ACTIVATION + INTAD.		
	Expt P LU-NP-1975 529 176 6.0+0	2.4+1	Bergqvist+ NDG. PK.(0.6MB) AT 12MEV.		
4355	CRC Expt P INDC(SEC)-62 077 1.4+1	2.4+1	Santry+NDG.P.121.CONF. PREVIOUS RESULTS		
$^{175}\text{Lu}(p,4n)^{172}\text{Hf}$ product yield					
4356	ORL Expt J PR/C 20 1902 N79 4.0+1		Toth+ NDG. EXPECTED MAXIMUM.		
$^{175}\text{Lu}(p,2n)^{174}\text{Hf}$ partial $\sigma(E)$ x factor					
4357	OSA Exth C 7710KYO 731 977 4.0+1		Sakai+ CURV. P6(6)/P0(6) FUNC. OF IM		
$^{175}\text{Lu}(p,n)^{175}\text{Hf} \quad \sigma(E)$					
4358	LAS Theo P LA- 6754-PR 3 377 NDG		Arthur. NDG. GNASH CODE.		
$^{175}\text{Lu}(p,xn)$ Isotopic distribution partial $\sigma(E)$ x factor					
4359	OSA Expt P A-RCNP-76 181 76 4.0+1	1.2+2	Ejiri+ NDG. (K=6,J=6)/(K=0,J=6) IN HF		
$^{175}\text{Lu}(p,xn)$ Isotopic distribution relative $\sigma(E)$					
4360	OSA Exth C 7710KYO 731 977 4.0+1		Sakai+ NDG. X=2-5.		
$\text{Hf}(p,\text{absorption}) \quad \sigma(E)$					
4361	IJI Revv J FCY 6 827 75 9.9+1		Nemets+ TBL. FROM CJP 44,1847(1966).		
	Revv J SUPN 6 325 76 9.9+1		TRANSLATION OF FCY 6,(4),827(1975).		
$^{178}\text{Hf}(p,n)^{178}\text{Ta}$ relative I_y					
4362	ROS Expt J NP/A 315 317 379 6.7+0		Dubbers+ TBL. 16 GS. ALSO A2.		
$^{180}\text{Hf}(p,n)^{180}\text{Ta} \quad \sigma(E)$					
4363	ANL Expt P ANL-79-40 84 79 NDG		NDG. POSSIBLE SOURCE OF TA180 IN STAR		
$^{180}\text{Hf}(p,n)^{180}\text{Ta} \quad \sigma(E)$					
4364	ANL Expt P ANL-78-66 93 378 8.0+0	9.0+0	Norman+NDG.FRM TTY OF META.+INTER.(P,N)		

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{180}\text{Hf}(p,n)^{180g}\text{Ta}$ thick target yield					
4365	ANL Expt P	ANL-79-40	86	79 8.0+0	9.0+0 Norman+ NDG. FROM RATIO, SUM. + TA180M
	Expt P	ANL-78-66	93	478 8.0+0	9.0+0 Norman+ NDG. CALCULATED.
$^{180}\text{Hf}(p,n)^{180g}\text{Ta}$ thick target yield					
4366	ANL Expt P	ANL-79-40	86	79 8.0+0	9.0+0 Norman+ NDG. X-RAYS+2 GAMMAS.
	Expt P	ANL-78-66	93	478 8.0+0	9.0+0 Norman+ NDG. 2 GAMMAS. T _{1/2} =8.1 H.
	Expt A	BAP 22	1032	977 8.0+0	9.0+0 Norman+ NDG. 93.3-,103.6-KEV G'S
$^{180}\text{Hf}(p,n)^{180g+s}\text{Ta}$ sum thick target yield					
4367	ANL Expt P	ANL-79-40	86	79 8.0+0	9.0+0 Norman+ NDG. FROM NEIGHBORING REACTIONS
$^{180}\text{Hf}(p,n)^{180g+s}\text{Ta}$ ratio $\sigma(E)$					
4368	ANL Expt P	ANL-78-66	93	378 8.0+0	9.0+0 Norman+ PRELIM. VALUE .GT. 3.3.
$^{180}\text{Hf}(p,n)^{180g+s}\text{Ta}$ ratio thick target yield					
4369	ANL Expt P	ANL-79-40	86	79 8.0+0	9.0+0 Norman+ TBL.
	Expt P	ANL-78-66	93	478 8.0+0	9.0+0 Norman+ APP. 0.3.
$\text{Ta}(p,x)$ partial $\sigma(E)$ =factor					
4370	NRL Rev J	AJ/S 35	137	077 6.0+1	8.5+1 Silberberg+TBL.PERIPHERALREAC.EXC.(P,XN
$\text{Ta}(p,\text{absorption})$ $\sigma(E)$					
4371	IJI Rev J	FCY 6	827	75 1.0+1	9.8+1 Nemets+ TBL.
	Rev J	SUPN 6	325	76 1.0+1	9.8+1 . TRANSLATION OF FCY 6,(4),827(1975).
$\text{Ta}(p,x)^{18}\text{F}$ $\sigma(E)$					
4372	BNL Expt J	PR 110	1130	58 1.0+3	5.9+3 Caretto+ TBL. CURV. RADIOCHEMISTRY.
$\text{Ta}(p,x)^{18}\text{F}$ $\sigma(E)$ =factor					
4373	BNL Expt J	PR 110	1130	58 1.0+3	5.9+3 Caretto+ TBL. CURV. RADIOCHEMISTRY.
$\text{Ta}(p,x)^{24}\text{Na}$ cumulative? $\sigma(E)$					
4374	BNL Expt J	PR 110	1130	58 1.0+3	5.9+3 Caretto+ TBL. CURV. RADIOCHEMISTRY.
$\text{Ta}(p,x)^{24}\text{Na}$ cumulative? $\sigma(E)$ =factor					
4375	BNL Expt J	PR 110	1130	58 1.0+3	5.9+3 Caretto+ TBL. CURV. RADIOCHEMISTRY.
$\text{Ta}(p,x)^{175}\text{Hf}$ $\sigma(E)$					
4376	LVN Expt P	INDC(SAF)-5	8	878 5.5+1	1.0+2 Haasbroek+ NDG. STACKED FOILS.
$\text{Ta}(p,x)^{175}\text{Hf}$ thick target yield					
4377	LVN Expt P	INDC(SAF)-5	8	878 5.5+1	1.0+2 Haasbroek+ TBL. FROM SIGMA.
$^{181}\text{Ta}(p,x)$ spallation $\sigma(E)$ =factor					
4378	NRL Rev J	AJ/S 35	137	077 6.0+1	8.5+1 Silberberg+ TBL. RATIO CALC./EXPT.
$^{181}\text{Ta}(p,\text{absorption})$ $\sigma(E)$					
4379	LRL Expt J	NP 30	389	62 8.0+0	1.2+1 Hansen+ CURV. SUM OF (P,N)+(P,2N)
4380	MNA Expt J	NP/A 324	109	779 2.0+1	4.7+1 Abegg+ TBL. CURV. ATTENUATION.
$^{181}\text{Ta}(p,x)y$ thick target yield					
4381	CCP Expt R	YK- 21	73	76 1.2+1	2.3+1 Malusevich+ CURV. TBL. THETA = 0 DEG.
	Expt R	INDC(ICCP)-103	577	1.2+1	2.3+1 .TRANSLATION OF T. OF C.(YK 21,73(1976)
$^{181}\text{Ta}(p,x)^4\text{He}$ $\sigma(E)$					
4382	MIL Theo J	NC/A 40	383	77 2.0+1	8.5+1 Gadioli+CURV. EXCITON PRE-EQUI. CFD EXP
$^{181}\text{Ta}(p,x)^{175}\text{Hf}$ cumulative $\sigma(E)$					
4383	LVN Expt J	ARI 28	533	77 5.5+1	8.5+1 Haasbroek+ NDG. STCKD-FOILS. RES. ACT.
	Expt W	TO KACHAPAG	79	3.9+1	8.3+1 Haasbroek+ NUMERICAL DATA.
	Expt R	CSIR-FIS-89	76	3.9+1	8.3+1 Haasbroek+
	Expt 4	EXFORB0098.007	779	3.9+1	8.3+1 . 22 DATA POINTS.
$^{181}\text{Ta}(p,x)^{175}\text{Hf}$ cumulative thick target yield					
4384	LVN Expt J	ARI 28	533	77 5.5+1	8.5+1 Haasbroek+ TBL. FRM STCKD-FOIL RESULT
	Expt R	CSIR-FIS-89	76	3.9+1	8.3+1 Haasbroek+
	Expt 4	EXFORB0098.007	779	3.9+1	8.5+1 . 24 DATA POINTS.
4385	MRY Expt J	ARI 28	533	77 1.0+2	Haasbroek+ 638. C1/AH. FRM STCKD-FOIL
	Expt R	CSIR-FIS-89	76	1.0+2	Haasbroek+
	Expt 4	EXFORB0098.007	779	1.0+2	. 1 DATA POINT.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author. Comments
		$^{181}\text{Ta}(p,4n+p)^{177}\text{Ta}$ $\sigma(E)$			
4386	BNL Theo C 77BNL	491	77 4.0+1	1.0+2	Divadeenam. CURV. GDH+PREEQUILIBRIUM.
		$^{181}\text{Ta}(p,3n+p)^{178}\text{Ta}$ $\sigma(E)$			
4387	BNL Theo C 77BNL	491	77 3.5+1	1.0+2	Divadeenam. CURV. GDH+PREEQUILIBRIUM.
		$^{181}\text{Ta}(p,3n+p)^{178}\text{Ta}$ partial $\sigma(E)$			
4388	KFK Comp B PH-DAT 15	1 079	2.9+1	4.4+1	Muenzel+ TBL. FROM EXFOR.
4389	MIL Expt J NCL 7 101	573	2.9+1	4.4+1	Birattari+ TBL. CURV. ACTIVATION.
	Expt 4 EXFORB0032.002	77	2.9+1	4.4+1	. 8 POINTS EACH. 2 ISOMERS.
		$^{181}\text{Ta}(p,2n+p)^{179}\text{Ta}$ $\sigma(E)$			
4390	BNL Theo C 77BNL	491	77 2.5+1	1.0+2	Divadeenam. CURV. GDH+PREEQUILIBRIUM.
		$^{181}\text{Ta}(p,n+p)^{180}\text{Ta}$ $\sigma(E)$			
4391	BNL Theo C 77BNL	491	77 2.0+1	1.0+2	Divadeenam. CURV. GDH+PREEQUILIBRIUM.
		$^{181}\text{Ta}(p,n+p)^{180}\text{Ta}$ $\sigma(E)$			
4392	ORL Expt J PR 94	620 554	TR	2.4+1	Cohen+ CURV. CFD. TO STATISTICAL CALC.
	Expt 4 EXFORB0072.005	678	1.3+1	2.3+1	. 12 DATA POINTS.
4393	KFK Comp B PH-DAT 15	2 079	1.3+1	2.3+1	Muenzel+ TBL. FROM EXFOR.
		$^{181}\text{Ta}(p,6n)^{176}\text{W}$ $\sigma(E)$			
4394	BNL Theo C 77BNL	491	77 4.0+1	1.0+2	Divadeenam. CURV. GDH+PREEQUILIBRIUM.
4395	NRL Theo J AJ/S 35	129 077	7.0+2	6.0+3	Silberberg+ CURV. FRM GGEV DATA. 4 REFE
		$^{181}\text{Ta}(p,5n)^{177}\text{W}$ $\sigma(E)$			
4396	BNL Theo C 77BNL	491	77 3.0+1	1.0+2	Divadeenam. CURV. GDH+PREEQUILIBRIUM.
4397	NRL Revu J AJ/S 35	137 077	8.0+2	1.5+3	Silberberg+ CURV. FROM GGEV MEASUREMENT
	Theo J AJ/S 35	129 077	7.0+2	6.0+3	Silberberg+ CURV. FRM GGEV DATA. 4 REFE
		$^{181}\text{Ta}(p,4n)^{178}\text{W}$ $\sigma(E)$			
4398	BNL Theo C 77BNL	491	77 2.0+1	1.0+2	Divadeenam. CURV. GDH+PREEQUILIBRIUM.
4399	KFK Comp B PH-DAT 15	2 079	2.8+1	4.4+1	Muenzel+ TBL. FROM EXFOR.
4400	MIL Expt J NP/A 166	605 71	2.8+1	4.4+1	Birattari+ CURV. FROM K X-RAY INTENSITY
	Expt 4 EXFORB0038.005	876	2.8+1	4.4+1	. 8 DATA POINTS.
		$^{181}\text{Ta}(p,3n)^{179}\text{W}$ $\sigma(E)$			
4401	BNL Theo C 77BNL	491	77 2.0+1	1.0+2	Divadeenam. CURV. GDH+PREEQUILIBRIUM.
		$^{181}\text{Ta}(p,3n)^{179}\text{W}$ Including metastable? $\sigma(E)$			
4402	KFK Comp B PH-DAT 15	2 079	1.8+1	4.4+1	Muenzel+ TBL. FROM EXFOR.
4403	MIL Expt J NP/A 166	605 71	1.8+1	4.4+1	Birattari+ CURV. FROM K X-RAY INTENSITY
	Expt 4 EXFORB0045.004	876	1.8+1	4.4+1	. 14 ENTRIES.
		$^{181}\text{Ta}(p,2n)^{180}\text{W}$ $\sigma(E)$			
4404	KFK Comp B PH-DAT 15	2 079	8.0+0	1.2+1	Muenzel+ TBL. FROM EXFOR.
4405	LRL Expt J NP 30	389 62	8.0+0	1.2+1	Hansen+ TBL. DEDUCED. LONG COUNTER.
	Expt 4 EXFORB0045.004	77	8.0+0	1.2+1	. 5 DATA POINTS.
		$^{181}\text{Ta}(p,2n)^{180}\text{W}$ partial $\sigma(E)$			
4406	FEI Expt J YF 26	1146 077	1.0+1		Biryukov+ TBL. EQUIL AND PREEQUIL.
	Expt J SNP 26	606 077	1.0+1		. TRANSLATION OF YF 26,1146(1977)
		$^{181}\text{Ta}(p,n)^{181}\text{W}$ $\sigma(E)$			
4407	KFK Comp B PH-DAT 15	2 079	4.5+0	1.2+1	Muenzel+ TBL. FROM EXFOR.
4408	LRL Expt J NP 30	389 62	4.6+0	1.2+1	Hansen+ CURV. STOCK FOILS.
	Expt 4 EXFORB0045.002	77	4.5+0	1.2+1	. 16 DATA POINTS.
		$^{181}\text{Ta}(p,n)^{181}\text{W}$ partial $\sigma(E)$			
4409	FEI Expt J YF 26	1146 077	1.0+1		Biryukov+ TBL. EQUIL AND PREEQUIL.
	Expt J SNP 26	606 077	1.0+1		. TRANSLATION OF YF 26,1146(1977)
		$^{181}\text{Ta}(p,x)$ isotopic distribution raw $\sigma(E)$			
4410	GRE Expt P ISN-77-01	27 76	NDG		Carras+ CURV. Z=70. A=153-175.
		$W(p,\text{absorption})$ $\sigma(E)$			
4411	IJI Revu J FCY 6	827 75	9.9+1		Nemets+ TBL. FROM CJP 44,1847(1966).
	Revu J SJPN 6	325 76	9.9+1		. TRANSLATION OF FCY 6,(4),827(1975).

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
W(p,x)y thick target yield					
4412	CCP Expt R YK- 21	73	76	1.2+1 2.3+1	Matusevich+ CURV. TBL. THETA = 0 DEG.
	Expt R INDC(CCP)-103	577	1.2+1 2.3+1		.TRANSLATION OF T. OF C.(YK 21.73(1976)
W(p,x) ¹⁸² Re σ(E)					
4413	CCP Revv J AE	42	311	77 8.0+0 1.1+1	Zatolokin+ TBL. ACTIVATION.
	Revv J SJA	42	344	077 8.0+0 1.1+1	. TRANSLATION OF AE 42(4), 311(1977).
W(p,x) ¹⁸³ Re σ(E)					
4414	CCP Revv J AE	42	311	77 8.0+0 1.1+1	Zatolokin+ TBL. ACTIVATION.
	Revv J SJA	42	344	077 8.0+0 1.1+1	. TRANSLATION OF AE 42(4), 311(1977).
4415	DAV Expt J PR/C	20	88	779 1.6+1 5.8+1	Schoen+ CURV. STACKED FOILS. CFD OTHERS
W(p,x) ¹⁸⁴ Re σ(E)					
4416	CCP Revv J AE	42	311	77 8.0+0 1.1+1	Zatolokin+ TBL. ACTIVATION.
	Revv J SJA	42	344	077 8.0+0 1.1+1	. TRANSLATION OF AE 42(4), 311(1977).
4417	DAV Expt J PR/C	20	88	779 1.0+1 6.3+1	Schoen+ CURV. STACKED FOILS. CFD OTHERS
¹⁸⁰ W(p,t) ¹⁷⁸ W partial relative product yield					
4418	YAL Expt A DA/B	40	316	779 2.1+1	Mortensen. TBL. JPI=0+
¹⁸² W(p,t) ¹⁸⁰ W partial relative product yield					
4419	YAL Expt A DA/B	40	316	779 2.1+1	Mortensen. TBL. JPI=0+
¹⁸³ W(p,t) ¹⁸¹ W partial relative product yield					
4420	YAL Expt A DA/B	40	316	779 2.1+1	Mortensen. NDG. 2 STRONG L=0 TRANS.
¹⁸⁴ W(p,t) ¹⁸² W partial relative product yield					
4421	YAL Expt A DA/B	40	316	779 2.1+1	Mortensen. TBL. JPI=0+
Re(p,absorption) σ(E)					
4422	IJL Revv J FCY	6	827	75 9.9+1	Nemels+ TBL. FROM CJP 44.1847(1966).
	Revv J SJPN	6	325	76 9.9+1	. TRANSLATION OF FCY 6.(4).827(1975).
Re(p,x) ¹⁸⁴ Re σ(E)					
4423	BNL Expt C 75WASH	2	509	375 2.0+1 1.6+2	Armini+ CURV.
Re(p,x) ¹⁸³ Os σ(E)					
4424	BNL Expt C 75WASH	2	509	375 2.0+1 1.6+2	Armini+ CURV. RE183 PRODUCTION.
Re(p,x) ¹⁸⁵ Os σ(E)					
4425	BNL Expt C 75WASH	2	509	375 2.0+1 1.6+2	Armini+ CURV.
¹⁸⁴ Re(p,fission) σ(E)					
4426	KAZ Expt J YF	26	473	977 2.4+1 3.0+1	Zhukova+ CURV. INTAD.
	Expt J SNP	26	251	977 2.4+1 3.0+1	. TRANSLATION OF YF 26.473(1977).
¹⁸⁵ Re(p,4n) ¹⁸² Os partial σ(E)×factor					
4427	OSA Exth C 77TOKYO	728	977	4.0+1	Ejiri+ CURV. PB(8)/PB(10) RATIO
¹⁸⁵ Re(p,4n) ¹⁸² Os partial relative σ(E)					
4428	TOK Expt J NP/A	179	769	72 3.2+1 5.4+1	Ishihara+TBL.CURV. 5 LEV + K-ISMER RAT
¹⁸⁵ Re(p,2n) ¹⁸⁴ Os σ(E)					
4429	TOK Expt J NP	74	81	65 1.4+1	Sakai+ TBL. DEDUCED FRM 2+-0+ TRANS.
¹⁸⁷ Re(p,6n) ¹⁸² Os partial σ(E)×factor					
4430	OSA Expt P A-RCNP-76	181	76	4.0+1 1.2+2	Ejiri+ CURV. (K=8,J=8)/(K=0,J=8)
¹⁸⁷ Re(p,3n) ¹⁸⁵ Os σ(E)					
4431	BNL Expt C 75WASH	2	509	375 2.0+1 1.6+2	Armini+ CURV.
¹⁸⁷ Re(p,2n) ¹⁸⁶ Os σ(E)					
4432	TOK Expt J NP	74	81	65 1.4+1	Sakai+ TBL. DEDUCED FRM 2+-0+ TRANS.
¹⁸⁶ Os(p,fission) σ(E)					
4433	KAZ Expt J YF	26	473	977 2.4+1 3.0+1	Zhukova+ CURV. INTAD.
	Expt J SNP	26	251	977 2.4+1 3.0+1	. TRANSLATION OF YF 26.473(1977).
¹⁸² Os(p,2n) ¹⁹¹ Ir relative I _γ					
4434	IBJ Expt J NP/A	313	191	179 1.2+1 2.4+1	Lukasik+ CURV. 3 GAMMAS REL TO 445.5G

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
	¹⁹² Os(p,2n) ¹⁹¹ Ir	relative I _γ			
4434	IBJ Expt J NP/A	313	191	179 1.6+1	Lukasiak+ TBL. 74 GAMMAS. ALSO A2.A4.
	Ir(p,x)γ	product yield			
4435	TOK Expt J NP/A	289	365	077 3.4+1 4.8+1	Numao+ NDG.
	¹⁸⁹ Ir(p,fission)	σ(E)			
4436	KAZ Expt J YF	26	473	977 2.4+1 3.0+1	Zhukova+ CURV. INTAD.
	Expt J SNP	26	251	977 2.4+1 3.0+1	. TRANSLATION OF YF 26,473(1977).
	¹⁸⁰ Ir(p,fission)	σ(E)			
4437	KAZ Expt J YF	26	473	977 2.4+1 3.0+1	Zhukova+ CURV. INTAD.
	Expt J SNP	26	251	977 2.4+1 3.0+1	. TRANSLATION OF YF 26,473(1977).
	¹⁸¹ Ir(p,fission)	σ(E)			
4438	KAZ Expt J YF	26	473	977 2.4+1 3.0+1	Zhukova+ CURV. INTAD.
	Expt J SNP	26	251	977 2.4+1 3.0+1	. TRANSLATION OF YF 26,473(1977).
	¹⁸¹ Ir(p,t) ¹⁸⁰ Ir	partial σ(E)			
4439	PTN Expt J PR/C	17	1564	578 3.5+1	Struble+TBL.SUMMED SIG(15-60DEG) 19 ST
	¹⁸¹ Ir(p,n+p) ^{180g} Ir	σ(E)			
4440	MCG Expt A DA/B	37	2236	N76 1.5+1 1.7+1	Lau. NDG.
	¹⁸¹ Ir(p,n+p) ¹⁸⁰⁼¹ Ir	σ(E)			
4441	MCG Expt A DA/B	37	2236	N76 1.5+1 1.7+1	Lau. NDG.
	¹⁸¹ Ir(p,n+p) ¹⁸⁰⁼² Ir	σ(E)			
4442	MCG Expt A DA/B	37	2236	N76 1.5+1 1.7+1	Lau. NDG.
	¹⁸¹ Ir(p,4n) ^{180Pt}	relative I _γ			
4443	TOK Expt J NP/A	289	365	077 3.8+1	Numao+ TBL. 22 G'S. ALSO ANG. DIST.
	¹⁸¹ Ir(p,2n) ^{180Pt}	σ(E)			
4444	TOK Expt J NP	74	81	65 1.4+1	Sakai+ TBL. DEDUCED FRM 2+-0+ TRANS.
	¹⁸¹ Ir(p,n) ^{181Pt}	σ(E)			
4445	LAS Theo P LA-	6754-PR 3	377	NDG	Arthur. NDG. GNASH CODE.
	¹⁸¹ Ir(p,n) ^{181Pt}	relative I _γ			
4446	ROS Expt J NP/A	293	314	077 1.0+1	Kemnitz+ TBL. 14 GAMMAS. ALSO LEG COEF.
	¹⁸³ Ir(p,t) ¹⁸¹ Ir	partial σ(E)			
4447	PTN Expt J PR/C	17	1564	578 3.5+1	Struble+TBL.SUMMED SIG(15-60DEG) 19 ST
	¹⁸³ Ir(p,3n) ^{181Pt}	σ(E)			
4448	TOK Expt J NP	74	81	65 1.4+1	Sakai+ TBL. DEDUCED FRM 2+-0+ TRANS.
	¹⁸³ Ir(p,n) ^{183Pt}	σ(E)			
4449	LAS Theo P LA-	6754-PR 3	377	NDG	Arthur. NDG. GNASH CODE.
	Pt(p,absorption)	σ(E)			
4450	IJI Revv J FCY	6	827	75 9.9+1	Nemets+ TBL. FROM CJP 44,1847(1966).
	Revv J SJPN	6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).
	¹⁸⁴ Pt(p,n) ¹⁸⁴ Au	relative I _γ			
4451	JYV Expt J ZP/A	282	277	77 1.2+1	Pakkanen+ TBL. 48 GAMMAS.
	¹⁸⁵ Pt(p,2n) ¹⁸⁴ Au	relative I _γ			
4452	JYV Expt J ZP/A	282	277	77 1.2+1 2.0+1	Pakkanen+ NDG.
	Expt J ZP/A	282	277	77 1.8+1	Pakkanen+ TBL. 59 GAMMAS.
	¹⁸⁶ Pt(p,n) ^{186=1g} Au	ratio σ(E)			
4453	BUC Revv J APH	2	133	77 7.0+0 1.1+1	Poenaru. CURV. FUNC. OF ANG. MOMENTUM.
	¹⁸⁵ Au(p,fission)	σ(E)			
4454	KAZ Expt J YF	26	473	977 2.4+1 3.0+1	Zhukova+ CURV. INTAD.
	Expt J SNP	26	251	977 2.4+1 3.0+1	. TRANSLATION OF YF 26,473(1977).
	¹⁸⁶ Au(p,fission)	σ(E)			
4455	KAZ Expt J YF	26	473	977 2.4+1 3.0+1	Zhukova+ CURV. INTAD.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author.	Comments
¹⁹⁶Au(p,fission) $\sigma(E)$						
4455	KAZ Expt J SNP	26	251	977 2.4+1 3.0+1		TRANSLATION OF YF 26,473(1977).
¹⁹⁷Au(p,fission) $\sigma(E)$						
4456	KAZ Expt J YF	26	473	977 2.4+1 3.0+1	Zhukova+	CURV. INTAD.
	Expt J SNP	26	251	977 2.4+1 3.0+1		TRANSLATION JF YF 26,473(1977).
¹⁹⁷Au(p,absorption) $\sigma(E)$						
4457	LRL Expt J NP	30	389	62 8.0+0 1.2+1	Hansen+	CURV. SUM OF (P,N)+(P,2N)
4458	IJI Revw J FCY	6	827	75 9.9+0 9.9+1	Nemets+	TBL.
	Revw J SJPN	6	325	76 9.9+0 9.9+1		TRANSLATION OF FCY 6,(4),827(1975).
4459	MNA Expt J NP/A	324	109	779 2.0+1 4.8+1	Abegg+	TBL. CURV. ATTENUATION.
¹⁹⁷Au(p,x)³H thick target yield						
4460	BRK Expt J PR	120	1354	60 3.2+1	Gonzalez-Vidal+	TBL. FROM STACKED FOILS
	Expt J PR	107	1311	57 3.2+1		SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.007	D78	3.2+1			(4.11+-0.41)MB.
4461	KFK Comp B PH-DAT	15	2	D79 3.2+1	Muenzel+	TBL. FROM EXFOR.
¹⁹⁷Au(p,x)³H product yield						
4462	KFK Expt P NEANDC(E)-1925	478	TR	2.5+1	Merkel+	NDG. P 68.
4463	BRK Expt J PR	120	1354	60 3.2+1	Gonzalez-Vidal+	TBL. FROM STACKED FOILS
	Expt J PR	107	1311	57 3.2+1		SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.007	D78	3.2+1			(4.03E-5+-10PERCENT)/INCIDENT P.
4464	KFK Comp B PH-DAT	15	2	D79 3.2+1	Muenzel+	TBL. FROM EXFOR.
¹⁹⁷Au(p,x)³H average $\sigma(E)$						
4465	KFK Expt P NEANDC(E)-1925	478	TR	2.5+1	Merkel+	NDG. FRM TTY P 68.
¹⁹⁷Au(p,x)⁴He $\sigma(E)$						
4466	MIL Theo J NC/A	40	383	77 2.0+1 8.5+1	Gadioli+	CURV. EXCITON PRE-EQUI. CFD EXP
¹⁹⁷Au(p,x)¹⁸F $\sigma(E)$						
4467	BNL Expt J PR	110	1130	58 1.0+3 5.9+3	Caretto+	TBL. CURV. RADIOCHEMISTRY.
¹⁹⁷Au(p,x)¹⁸F $\sigma(E)$xfactor						
4468	BNL Expt J PR	110	1130	58 1.0+3 5.9+3	Caretto+	TBL. CURV. RADIOCHEMISTRY.
¹⁹⁷Au(p,x)²⁴Ne cumulative $\sigma(E)$						
4469	BNL Expt J PR	171	1301	68 1.0+3 3.0+3	Hudis+	TBL. FROM NE24/NA24 RATIO.
	Expt 4 EXFORB0078.004	D78	1.0+3 3.0+3			3 ENTRIES.
4470	KFK Comp B PH-DAT	15	2	D79 1.0+3 3.0+3	Muenzel+	TBL. FROM EXFOR.
¹⁹⁷Au(p,x)²⁴Ne cumulative $\sigma(E)$xfactor						
4471	BNL Expt J PR	171	1301	68 1.0+3 3.0+3	Hudis+	TBL. RATIO NE24,CUM/NA24,IND
	Expt 4 EXFORB0078.004	D78	1.0+3 3.0+3			3 ENTRIES.
4472	KFK Comp B PH-DAT	15	2	D79 1.0+3 3.0+3	Muenzel+	TBL. FROM EXFOR.
¹⁹⁷Au(p,x)²⁴Ne independent including metastable $\sigma(E)$						
4473	BNL Expt J PR	171	1301	68 1.0+3 3.0+3	Hudis+	TBL. FROM NE24/NA24 RATIO.
	Expt 4 EXFORB0078.004	D78	1.0+3 3.0+3			3 ENTRIES.
4474	KFK Comp B PH-DAT	15	2	D79 1.0+3 3.0+3	Muenzel+	TBL. FROM EXFOR.
¹⁹⁷Au(p,x)²⁴Ne independent including metastable $\sigma(E)$xfactor						
4475	BNL Expt J PR	171	1301	68 1.0+3 3.0+3	Hudis+	TBL. RATIO NE24,CUM/NA24,IND
	Expt 4 EXFORB0078.004	D78	1.0+3 3.0+3			3 ENTRIES.
4476	KFK Comp B PH-DAT	15	2	D79 1.0+3 3.0+3	Muenzel+	TBL. FROM EXFOR.
¹⁹⁷Au(p,x)²⁴Ne cumulative? $\sigma(E)$						
4477	BNL Expt J PR	171	1301	68 1.0+3 3.0+3	Hudis+	TBL. CORRECTED FOR RVSD MON SIG
	Expt J PR	110	1130	58 1.0+3 5.9+3	Caretto+	TBL. CURV. RADIOCHEMISTRY.
	Expt 4 EXFORB0078.004	D78	1.0+3 3.0+3			3 ENTRIES.
4478	KFK Comp B PH-DAT	15	2	D79 1.0+3 3.0+3	Muenzel+	TBL. FROM EXFOR.
¹⁹⁷Au(p,x)²⁴Ne cumulative? $\sigma(E)$xfactor						
4479	BNL Expt J PR	110	1130	58 1.0+3 5.9+3	Caretto+	TBL. CURV. RADIOCHEMISTRY.
¹⁹⁷Au(p,x)¹⁴⁹Tb partial $\sigma(E)$						
4480	BNL Eval J ARN	13	261	63 6.0+2 6.2+4	Cumming.	CURV. ALPHA-EMITTING BRANCH.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		¹⁹⁷ Au(p,α) ¹⁹⁴ Pt σ(E)			
4481	KFK Comp B PH-DAT	15 1 079	1.8+1		Muenzel+ TBL. FROM EXFOR.
4482	MIL Expt J NP/A	218 274 74	1.8+1		Milazzo-Colli+ INTAD. AT MUU. PREFORM.
	Expt 4 EXFORB0006.007	76	1.8+1		. (1.8+-20PRCNT)MB.
		¹⁹⁷ Au(p,x) ¹⁹⁴ Au σ(E)			
4483	MIL Theo J NC/A	40 383 77	3.0+1	8.5+1	Gadioli+CURV. EXCITON PRE-EQUI. CFD EXP
		¹⁹⁷ Au(p,2n+d) ¹⁹⁴ Au σ(E)			
4484	MIL Theo J NC/A	40 383 77	3.0+1	7.0+1	Gadioli+CURV. EXCITON PRE-EQUI.
		¹⁹⁷ Au(p,3n+p) ¹⁹⁴ Au σ(E)			
4485	MIL Theo J NC/A	40 383 77	3.8+1	9.0+1	Gadioli+CURV. EXCITON PRE-EQUI.
		¹⁹⁷ Au(p,x) ¹⁹⁵ Au σ(E)			
4486	MIL Theo J NC/A	40 383 77	2.8+1	9.0+1	Gadioli+CURV. EXCITON PRE-EQUI. CFD EXP
		¹⁹⁷ Au(p,2n+p) ¹⁹⁵ Au σ(E)			
4487	MIL Theo J NC/A	40 383 77	2.8+1	9.0+1	Gadioli+CURV. EXCITON PRE-EQUI.
		¹⁹⁷ Au(p,t) ¹⁹⁵ Au σ(E)			
4488	BRK Expt J PR	120 1354 60	TR	3.2+1	Gonzalez-Vidal+CURV. STCKD FOILS APP SIG
	Expt J PR	107 1311 57	TR	3.2+1	. EXPERIMENTAL DETAILS+PRELIM. DATA
		¹⁹⁷ Au(p,x) ¹⁹⁶ Au σ(E)			
4489	MIL Theo J NC/A	40 383 77	2.0+1	8.0+1	Gadioli+CURV. EXCITON PRE-EQUI. CFD EXP
		¹⁹⁷ Au(p,n+p) ¹⁹⁶ Au σ(E)			
4490	MIL Theo J NC/A	40 383 77	2.0+1	8.0+1	Gadioli+CURV. EXCITON PRE-EQUI.
		¹⁹⁷ Au(p,d) ¹⁹⁶ Au σ(E)			
4491	MIL Theo J NC/A	40 383 77	3.0+1	7.0+1	Gadioli+CURV. EXCITON PRE-EQUI.
		¹⁹⁷ Au(p,5n) ¹⁹³ Hg σ(E)			
4492	MIL Theo J NC/A	40 383 77	3.6+1	4.5+1	Gadioli+CURV. CFD EXP PRE-EQUI.
		¹⁹⁷ Au(p,4n) ¹⁹⁴ Hg σ(E)			
4493	MIL Theo J NC/A	40 383 77	2.7+1	4.5+1	Gadioli+CURV. EXCITON PRE-EQUI. CFD EXP
		¹⁹⁷ Au(p,3n) ¹⁹⁵ Hg σ(E)			
4494	MIL Theo J NC/A	40 383 77	1.8+1	4.2+1	Gadioli+CURV. EXCITON PRE-EQUI. CFD EXP
		¹⁹⁷ Au(p,2n) ¹⁹⁶ Hg σ(E)			
4495	KFK Comp B PH-DAT	15 2 079	9.0+0	1.1+1	Muenzel+ TBL. FROM EXFOR.
4496	LRL Expt J NP	30 389 62	9.0+0	1.1+1	Hansen+ TBL. DEDUCED. LONG COUNTER.
	Expt 4 EXFORB0045.005	77	9.0+0	1.1+1	. 3 DATA POINTS.
4497	TOK Expt J NP	74 81 65	1.4+1		Sakai+ TBL. DEDUCED FRM 2+-0+ TRANS.
		¹⁹⁷ Au(p,n) ¹⁹⁷ Hg thick target yield			
4498	AML Revw J IRE	26 2281 479	1.2+1		Chaudri. TBL. CFD EXP. TO CALC.
		¹⁹⁷ Au(p,n) ¹⁹⁷ Hg σ(E)			
4499	LAS Theo P LA-	6754-PR 3 377	6.0+0	1.6+1	Arthur. CURV.. GNASH CODE. CFD EXP.
		¹⁹⁷ Au(p,n) ¹⁹⁷ Hg σ(E)			
4500	KFK Comp B PH-DAT	15 2 079	5.0+0	1.3+1	Muenzel+ TBL. FROM EXFOR.
4501	LRL Expt J NP	30 389 62	5.0+0	1.3+1	Hansen+ TBL. CURV. STCKD FOILS.
	Expt 4 EXFORB0045.003	77	5.0+0	1.3+1	. 16 DATA POINTS.
		¹⁹⁷ Au(p,n) ¹⁹⁷ Hg thick target yield			
4502	AML Revw J IRE	26 2281 479	1.2+1		Chaudri. TBL. CFD EXP. TO CALC.
		¹⁹⁷ Au(p,n) ¹⁹⁷ Hg σ(E)			
4503	KFK Comp B PH-DAT	15 2 079	5.0+0	1.3+1	Muenzel+ TBL. FROM EXFOR.
4504	LRL Expt J NP	30 389 62	5.0+0	1.3+1	Hansen+ TBL. CURV. STCKD FOILS.
	Expt 4 EXFORB0045.003	77	5.0+0	1.3+1	. 16 DATA POINTS.
		¹⁹⁷ Au(p,n) ¹⁹⁷ Hg summation σ(E)			
4505	LRL Expt J NP	30 389 62	4.8+0	1.3+1	Hansen+ TBL. CURV. STCKD FOILS.
	Expt 4 EXFORB0045.003	77	5.0+0	1.3+1	. 16 DATA POINTS.
4506	KFK Comp B PH-DAT	15 2 079	5.0+0	1.3+1	Muenzel+ TBL. FROM EXFOR.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{197}\text{Au}(p,\gamma)^{198}\text{Hg} \sigma(E)$					
4507	KQU Expt A PC	35	7	79	4.0+0 Saha+ (0.82+-0.15)MUB. AGREES WITH EST.
$^{197}\text{Au}(p,xn)\text{charge distribution partial } \sigma(E)$					
1508	BUC Expt 1 RRP	23	289	78	8.0+0 1.7+1 Alevra+ CURV. (P,N)+(P,2N). CFD THEORY
$\text{Hg}(p,x)^{200}\text{Tl}$ thick target yield					
4509	FEI Expt J AE	41	431	N76	1.0+1 2.2+1 Dmitriev+ TBL. CURV. OXIDE TARGET.
	Expt J SJA	41	1091	77	1.0+1 2.2+1 .TRANSLATION OF AE 41(6), 431(1976)
	Expt 4 EXFORA0008.002	478	1.0+1	2.2+1	. 5 POINTS.
$\text{Hg}(p,x)^{201}\text{Tl}$ thick target yield					
4510	FEI Expt J AE	41	431	N76	1.0+1 2.2+1 Dmitriev+ TBL. CURV. OXIDE TARGET.
	Expt J SJA	41	1091	77	1.0+1 2.2+1 .TRANSLATION OF AE 41(6), 431(1976)
	Expt 4 EXFORA0008.004	478	1.0+1	2.2+1	. 5 POINTS.
4511	AML Revw J IRE	26	2281	479	1.4+1 2.0+1 Chaudri. TBL. CFD EXP. TO CALC.
$\text{Hg}(p,x)^{202}\text{Tl}$ thick target yield					
4512	FEI Expt J AE	41	431	N76	1.0+1 2.2+1 Dmitriev+ TBL. CURV. OXIDE TARGET.
	Expt J SJA	41	1091	77	1.0+1 2.2+1 .TRANSLATION OF AE 41(6), 431(1976)
	Expt 4 EXFORA0008.006	478	1.0+1	2.2+1	. 5 POINTS.
$\text{Hg}(p,x)^{204}\text{Tl}$ thick target yield					
4513	FEI Expt J AE	41	431	N76	1.0+1 2.2+1 Dmitriev+ TBL. CURV. CALC. OXIDE TARGET
	Expt J SJA	41	1091	77	1.0+1 2.2+1 .TRANSLATION OF AE 41(6), 431(1976)
$^{198}\text{Hg}(p,\text{fission}) \sigma(E)$					
4514	KAZ Expt J YF	26	473	977	2.4+1 3.0+1 Zhukova+ CURV. INTAD.
	Expt J SNP	26	251	977	2.4+1 3.0+1 . TRANSLATION OF YF 26,473(1977).
$^{202}\text{Hg}(p,x)^{14}\text{He} \sigma(E)$					
4515	MCG Expt J PR/C	13	1095	76	2.0+1 8.0+1 Kantelo+DEDUCED FROM (P,2P+XN) SIGMAS
4516	MIL Theo J NC/A	40	383	77	2.0+1 8.5+1 Gadioli+CURV. EXCITON PRE-EQUI. CFD EXP
$^{202}\text{Hg}(p,7n+a)^{192}\text{Au} \sigma(E)$					
4517	MCG Expt J PR/C	13	1095	76	1.2+1 8.6+1 Kantelo+ TBL. RADIOCHEMICAL ANALYSIS.
	Expt 4 EXFORB0105.009	N79	7.4+1	8.6+1	. 3 DATA POINTS.
$^{202}\text{Hg}(p,9n+2p)^{192}\text{Au} \sigma(E)$					
4518	MIL Theo J NC/A	40	383	77	7.4+1 8.5+1 Gadioli+CURV. EXCITON PRE-EQUI. CFD EXP
$^{202}\text{Hg}(p,6n+a)^{193}\text{Au}$ including metastable $\sigma(E)$					
4519	MCG Expt J PR/C	13	1095	76	1.2+1 8.6+1 Kantelo+ TBL. RADIOCHEMICAL ANALYSIS.
	Expt 4 EXFORB0105.008	N79	6.8+1	8.6+1	. 4 DATA POINTS
$^{202}\text{Hg}(p,8n+2p)^{193}\text{Au} \sigma(E)$					
4520	MIL Theo J NC/A	40	383	77	6.2+1 8.5+1 Gadioli+CURV. EXCITON PRE-EQUI. CFD EXP
$^{202}\text{Hg}(p,7n+2p)^{194}\text{Au} \sigma(E)$					
4521	MIL Theo J NC/A	40	383	77	5.3+1 8.8+1 Gadioli+CURV. EXCITON PRE-EQUI. CFD EXP
$^{202}\text{Hg}(p,7n+2p)^{194}\text{Au} \sigma(E)$					
4522	MCG Expt J PR/C	13	1095	76	1.2+1 8.6+1 Kantelo+ TBL. RADIOCHEMICAL ANALYSIS.
	Expt 4 EXFORB0105.007	N79	5.6+1	8.6+1	. 6 DATA POINTS.
$^{202}\text{Hg}(p,x)^{195}\text{Au} \sigma(E)$					
4523	MCG Expt J PR/C	13	1095	76	1.2+1 8.6+1 Kantelo+ TBL. RADIOCHEMICAL ANALYSIS.
$^{202}\text{Hg}(p,5n+2p)^{198}\text{Au} \sigma(E)$					
4524	MIL Theo J NC/A	40	383	77	3.2+1 8.5+1 Gadioli+CURV. EXCITON PRE-EQUI. CFD EXP
$^{202}\text{Hg}(p,5n+2p)^{198+1+2+9}\text{Au}$ summation $\sigma(E)$					
4525	MCG Expt J PR/C	13	1095	76	1.2+1 8.6+1 Kantelo+ TBL. RADIOCHEMICAL ANALYSIS.
	Expt 4 EXFORB0105.006	N79	3.4+1	8.6+1	. 10 DATA POINTS
$^{202}\text{Hg}(p,3n+2p)^{198}\text{Au} \sigma(E)$					
4526	MIL Theo J NC/A	40	383	77	2.0+1 8.5+1 Gadioli+CURV. EXCITON PRE-EQUI. CFD EXP
$^{202}\text{Hg}(p,3n+2p)^{198+9}\text{Au}$ summation $\sigma(E)$					
4527	MCG Expt J PR/C	13	1095	76	1.2+1 8.6+1 Kantelo+ TBL. RADIOCHEMICAL ANALYSIS.
	Expt 4 EXFORB0105.005	N79	1.5+1	8.6+1	. 14 DATA POINTS

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{202}\text{Hg}(p,2n+2p)^{199}\text{Au}$ $\sigma(E)$				
4528 MIL Theo J NC/A 40	383	77	2.0+1 0.5+1	Gadioli+CURV. EXCITON PRE-EQUI. CFD EXP
$^{202}\text{Hg}(p,2n+2p)^{199}\text{Au}$ $\sigma(E)$				
4529 MCG Expt J PR/C 13	1095	76	1.2+1 8.6+1	Kantelo+ TBL. RADIOCHEMICAL ANALYSIS.
Expt 4 EXFORB0105.004 N79 1.2+1 8.6+1 . 15 DATA POINTS				
$^{202}\text{Hg}(p,n+2p)^{200}\text{Au}$ $\sigma(E)$				
4530 MIL Theo J NC/A 40	383	77	3.0+1 8.8+1	Gadioli+CURV. EXCITON PRE-EQUI. CFD EXP
$^{202}\text{Hg}(p,n+2p)^{200}\text{Au}$ summation $\sigma(E)$				
4531 MCG Expt J PR/C 13	1095	76	1.2+1 8.6+1	Kantelo+ TBL. RADIOCHEMICAL ANALYSIS.
Expt 4 EXFORB0105.003 N79 3.0+1 8.6+1 . 11 DATA POINTS.				
$^{202}\text{Hg}(p,2p)^{201}\text{Au}$ $\sigma(E)$				
4532 MCG Expt J PR/C 13	1095	76	1.2+1 8.6+1	Kantelo+ TBL. RADIOCHEMICAL ANALYSIS.
Expt 4 EXFORB0105.002 N79 3.4+1 8.6+1 . 8 DATA POINTS.				
4533 MIL Theo J NC/A 40	383	77	3.2+1 8.5+1	Gadioli+CURV. EXCITON PRE-EQUI. CFD EXP
$^{202}\text{Hg}(p,2n)^{201}\text{Tl}$ $\sigma(E)$				
4534 KFK Comp B PH-DAT 15	1 079	4.0+2		Muenzel+ TBL. FROM EXFOR.
4535 PUP Expt J PR, 178	1732	269	4.0+2	Church+ TBL. $^{202}\text{Hg-OX1}$ + AL PELLET.
Expt 4 EXFORB0024.030 77 4.0+2 . (3.80+-0.58)MB.				
$^{202}\text{Hg}(p,n)^{202}\text{Tl}$ $\sigma(E)$				
4536 KFK Comp B PH-DAT 15	1 079	4.0+2		Muenzel+ TBL. FROM EXFOR.
4537 PUP Expt J PR, 178	1732	269	4.0+2	Church+ TBL. $^{202}\text{Hg-OX1}$ + AL PELLET.
Expt 4 EXFORB0024.029 77 4.0+2 . (1.10+-0.16)MB.				
$^{204}\text{Hg}(p,n)^{204}\text{Tl}$ thick target yield=abundance				
4538 FEI Expt J AE 41	431	076	1.0+1 2.2+1	Dallier+ CALCULATED.
Expt J SJA 41 1091 76 1.0+1 2.2+1 . TRANSLATION OF AE 41, 431(1976).				
Expt 4 EXFORA0008.008 478 1.0+1 2.2+1 . 5 POINTS.				
$\text{Ti}(p,\text{absorption})$ $\sigma(E)$				
4539 IJI Revw J FCY 6	827	75	1.0+2	Nemets+ TBL. FROM CJP 44,1847(1966).
Revw J SJPN 6 325 76 1.0+2 . TRANSLATION OF FCY 6,(4),827(1975).				
$\text{Ti}(p,x)^{200}\text{Tl}$ cumulative? product yield=factor				
4540 JUL Expt J ARI 30	85	79	2.7+1 4.5+1	Qaim+ CURV. IMPURITY IN TL^{201} PROD.
Revw C 78HARMEL 667 78 2.6+1 4.5+1 Stocklin+ CURV. % IMPURITY OF ^{201}TL				
$\text{Ti}(p,x)^{201}\text{Tl}$ $\sigma(E)$				
4541 JUL Expt J ARI 30	85	79	1.1+1 4.5+1	Qaim+ CURV. STACKED FOILS.
$\text{Ti}(p,x)^{201}\text{Tl}$ cumulative? product yield				
4542 JUL Expt J ARI 30	85	79	2.0+1 4.5+1	Qaim+ CURV. ^{32}H DECAY OF SEPARATED PB.
Revw C 78HARMEL 667 78 2.0+1 4.5+1 Stocklin+ CURV.				
$\text{Ti}(p,x)^{202}\text{Tl}$ $\sigma(E)$				
4543 JUL Expt J ARI 30	85	79	2.0+1 4.5+1	Qaim+ CURV. STACKED FOILS.
$\text{Ti}(p,x)^{199}\text{Pb}$ $\sigma(E)$				
4544 JUL Expt J ARI 30	85	79	3.8+1 4.5+1	Qaim+ CURV. STACKED FOILS.
$\text{Ti}(p,x)^{199}\text{Pb}$ thick target yield				
4545 JUL Expt J ARI 30	85	79	4.5+1	Qaim+ TBL. FROM STACKED FOIL MEAS.
$\text{Ti}(p,x)^{199}\text{Pb}$ cumulative product yield				
4546 JUL Expt J ARI 30	85	79	3.7+1 4.2+1	Qaim+ CURV. FROM STACKED FOIL MEAS.
$\text{Ti}(p,x)^{200}\text{Pb}$ $\sigma(E)$				
4547 IKO Expt P A-IKO-75	41	76	TR 5.1+1	Leurs+NDG.
4548 JUL Expt J ARI 30	85	79	2.6+1 4.5+1	Qaim+ CURV. STACKED FOILS.
$\text{Ti}(p,x)^{200}\text{Pb}$ thick target yield				
4549 JUL Expt J ARI 30	85	79	4.5+1	Qaim+ TBL. FROM STACKED FOIL MEAS.
$\text{Ti}(p,x)^{200}\text{Pb}$ cumulative product yield				
4550 JUL Expt J ARI 30	85	79	2.8+1 4.2+1	Qaim+ CURV. FROM STACKED FOIL MEAS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Ti(p,x) ²⁰⁰ Pb raw σ(E)					
4551	DAV Expt J ARI	29 159 378 2.9+1	6.0+1	Lagunas-Solar+ CURV. STACKED-FOILS	
Ti(p,x) ²⁰⁰ Pb thick target yield×factor					
4552	DAV Expt J ARI	29 159 378 2.8+1	3.3+1	Lagunas-Solar+ RATIO TL200/TL201 PROD.	
Ti(p,x) ²⁰¹ Pb σ(E)					
4553	UPP Expt P KDK-23	9 478 NDG		Lundqvist+ NDG. IN PROG. TL201 PROD.	
	Expt P NEANDC(OR)150	477 NDG		Lundqvist+ NDG. STUDY IN PROGRESS. P.15	
	Expt P NEANDC(OR)146	476 NDG		Lundqvist+ NDG. STUDY IN PROGRESS. P.16	
4554	IKO Expt P A-1KO-75	41 76 TR	5.1+1	Leurs+NDG.	
4555	JUL Expt J ARI	30 85 79 1.5+1	4.5+1	Qaim+ CURV. STACKED FOILS.	
Ti(p,x) ²⁰¹ Pb thick target yield					
4556	JUL Expt J ARI	30 85 79 2.4+1	4.5+1	Qaim+ TBL. FROM STACKED FOIL MEAS.	
Ti(p,x) ²⁰¹ Pb cumulative product yield					
4557	JUL Expt J ARI	30 85 79 1.8+1	4.2+1	Qaim+ CURV. FROM STACKED FOIL MEAS.	
Ti(p,x) ²⁰¹ Pb product yield					
4558	UPP Expt P KDK-23	9 478 NDG		Lundqvist+ NDG. TL201 PRODUCTION.	
	Expt P NEANDC(OR)150	477 2.8+1		Lundqvist+NDG. PROD. LABELLED CMP. P.15	
	Expt P NEANDC(OR)146	476 2.8+1		Lundqvist+NDG. PROD. LABELLED CMP. P.16	
Ti(p,x) ²⁰¹ Pb raw σ(E)					
4559	DAV Expt J ARI	29 159 378 1.5+1	6.0+1	Lagunas-Solar+ CURV. STACKED-FOILS	
Ti(p,x) ²⁰¹ Pb thick target yield×factor					
4560	DAV Expt J ARI	29 159 378 2.8+1	3.3+1	Lagunas-Solar+ RATIO TL200/TL201 PROD.	
	Expt J ARI	29 159 378 2.7+1	3.3+1	Lagunas-Solar+ RATIO TL202/TL201 PROD.	
Ti(p,x) ²⁰² Pb σ(E)					
4561	IKO Expt P A-1KO-75	41 76 TR	5.1+1	Leurs+NDG.	
Ti(p,x) ²⁰² Pb thick target yield×factor					
4562	DAV Expt J ARI	29 159 378 2.7+1	3.3+1	Lagunas-Solar+ RATIO TL202/TL201 PROD.	
Ti(p,x) ²⁰² Pb σ(E)					
4563	JUL Expt J ARI	30 85 79 1.0+1	4.5+1	Qaim+ CURV. STACKED FOILS.	
Ti(p,x) ²⁰² Pb thick target yield					
4564	JUL Expt J ARI	30 85 79 2.4+1	4.5+1	Qaim+ TBL. FROM STACKED FOIL MEAS.	
Ti(p,x) ²⁰² Pb raw σ(E)					
4565	DAV Expt J ARI	29 159 378 1.5+1	3.7+1	Lagunas-Solar+ CURV. STACKED-FOILS	
Ti(p,x) ²⁰³ Pb σ(E)					
4566	UPP Expt P KDK-23	9 478 NDG		Lundqvist+ NDG. MEAS. IN PROG.	
	Expt P NEANDC(OR)150	477 NDG		Lundqvist+ NDG. STUDY IN PROGRESS. P.15	
	Expt P NEANDC(OR)146	476 NDG		Lundqvist+ NDG. STUDY IN PROGRESS. P.16	
4567	JUL Expt J ARI	30 85 79 6.0+0	4.5+1	Qaim+ CURV. STACKED FOILS.	
Ti(p,x) ²⁰³ Pb thick target yield					
4568	JUL Expt J ARI	30 85 79 2.4+1	4.5+1	Qaim+ TBL. FROM STACKED FOIL MEAS.	
Ti(p,x) ²⁰³ Pb cumulative product yield					
4569	JUL Expt J ARI	30 85 79 1.0+1	4.2+1	Qaim+ CURV. FROM STACKED FOIL MEAS.	
Ti(p,x) ²⁰³ Pb product yield					
4570	UPP Expt P KDK-23	9 478 NDG		Lundqvist+ NDG.	
	Expt P NEANDC(OR)150	477 2.8+1		Lundqvist+NDG. PROD. LABELLED CMP. P.15	
	Expt P NEANDC(OR)146	476 2.8+1		Lundqvist+NDG. PROD. LABELLED CMP. P.16	
Ti(p,x) ²⁰³ Pb raw σ(E)					
4571	DAV Expt J ARI	29 159 378 1.7+1	6.0+1	Lagunas-Solar+ CURV. STACKED-FOILS	
Ti(p,x) ²⁰⁴ Pb thick target yield					
4572	JUL Expt J ARI	30 85 79 2.4+1	4.5+1	Qaim+ TBL. FROM STACKED FOIL MEAS.	
Ti(p,x) ²⁰⁴ Pb raw σ(E)					
4573	DAV Expt J ARI	29 159 378 1.2+1	3.7+1	Lagunas-Solar+ CURV. STACKED-FOILS	

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{203}\text{Tl}(p,\alpha)^{200}\text{Hg}$	$\sigma(E)$			
4574 MIL Exth J NC	30	632	75 2.0+1	Milazzo-Colli+ (3.1+-0.6)MB.
$^{203}\text{Tl}(p,\alpha)^{200}\text{Hg}$	partial $\sigma(E)$			
4575 MIL Exth J NC	30	632	75 2.0+1	Milazzo-Colli+ PRECOMPOUND=1.9MB.
$^{203}\text{Tl}(p,\alpha)^{200}\text{Hg}$	direct-interaction $\sigma(E)$			
4576 MIL Exth J NC	30	632	75 2.0+1	Milazzo-Colli+ 1.2MB.
$^{203}\text{Tl}(p,x)^{201}\text{Tl}$	thick target yield $\times$ abundance			
4577 AML Rev J IRE	26	2281	479 3.0+1	Chaudri. TBL. CFD EXP. TO CALC.
$^{203}\text{Tl}(p,x)^{202}\text{Tl}$	product yield			
4578 USA Rev J IRE	26	1703	279 NDG	Beaver+ 0.08 PERCENT IMPURITY OF ^{201}Pb
$^{203}\text{Tl}(p,4n)^{200}\text{Pb}$	$\sigma(E)$			
4579 TAM Expt J MED	5	532	078 2.8+1 3.6+1	Blue+TBL. CURV. STCKD FOILS.
4580 DAV Expt J ARI	29	159	378 2.9+1 4.7+1	Lagunas-Solar+ CURV. FROM NATURAL.
$^{203}\text{Tl}(p,3n)^{201}\text{Pb}$	product yield			
4581 USA Rev J IRE	26	1703	279 NDG	Beaver+ 8.0 MCI/MUAHR.
4582 DAV Expt A ANS	33	224	N79 2.9+1	Lagunas-Solar+ TBL. REVIEW OF PROGRAM.
$^{203}\text{Tl}(p,3n)^{201}\text{Pb}$	$\sigma(E)$			
4583 DAV Expt J ARI	29	159	378 1.8+1 4.1+1	Lagunas-Solar+ CURV. FROM NATURAL.
4584 TAM Expt J MED	5	532	078 1.8+1 4.4+1	Blue+ TBL. CURV. STACKED FOILS.
$^{203}\text{Tl}(p,2n)^{202}\text{Pb}$	$\sigma(E)$			
4585 JUL Expt J ARI	30	85	79 9.0+0 2.5+1	Qaim+ CURV. FROM CALC. AND METASTABLE.
$^{203}\text{Tl}(p,2n)^{202}\text{Pb}$	$\sigma(E)$			
4586 DAV Expt J ARI	29	159	378 1.1+1 2.9+1	Lagunas-Solar+ CURV. FROM NATURAL.
$^{203}\text{Tl}(p,n)^{203}\text{Pb}$	thick target yield $\times$ abundance			
4587 AML Rev J IRE	26	2281	479 1.5+1	Chaudri. TBL. CFD EXP. TO CALC.
$^{205}\text{Tl}(p,\alpha)^{202}\text{Hg}$	$\sigma(E)$			
4588 MIL Exth J NC	30	632	75 2.0+1	Milazzo-Colli+ (3.1+-0.6)MB.
$^{205}\text{Tl}(p,\alpha)^{202}\text{Hg}$	partial $\sigma(E)$			
4589 MIL Exth J NC	30	632	75 2.0+1	Milazzo-Colli+ PRECOMPOUND = 1.3MB.
$^{205}\text{Tl}(p,\alpha)^{202}\text{Hg}$	direct-interaction $\sigma(E)$			
4590 MIL Exth J NC	30	632	75 2.0+1	Milazzo-Colli+ 1.3MB.
$^{205}\text{Tl}(p,x)^{200}\text{Tl}$	cumulative product yield $\times$ factor			
4591 DAV Expt J ARI	31	117	79 3.7+1 5.0+1	Lagunas-Solar+ CURV. 200TL/201TL
$^{205}\text{Tl}(p,x)^{201}\text{Tl}$	cumulative product yield			
4592 DAV Expt J ARI	31	117	79 3.7+1 5.0+1	Lagunas-Solar+ CURV. 32 HRS AFTER BOMB.
$^{205}\text{Tl}(p,x)^{201}\text{Tl}$	cumulative product yield $\times$ factor			
4593 DAV Expt J ARI	31	117	79 3.7+1 5.0+1	Lagunas-Solar+ CURV. 200TL,202TL/201TL
$^{205}\text{Tl}(p,x)^{202}\text{Tl}$	cumulative product yield $\times$ factor			
4594 DAV Expt J ARI	31	117	79 3.7+1 5.0+1	Lagunas-Solar+ CURV. 202TL/201TL
$^{205}\text{Tl}(p,6n)^{200}\text{Pb}$	$\sigma(E)$			
4595 DAV Expt J ARI	31	117	79 3.5+1 5.8+1	Lagunas-Solar+ CURV. ENRICH. STCKD FOIL
Expt J ARI	29	159	378 4.0+1 6.0+1	Lagunas-Solar+ CURV. FROM NATURAL.
$^{205}\text{Tl}(p,5n)^{201}\text{Pb}$	$\sigma(E)$			
4596 DAV Expt J ARI	31	117	79 3.4+1 5.9+1	Lagunas-Solar+ CURV. ENRICH. STCKD FOIL
Expt A ANS	33	224	N79 4.5+1	Lagunas-Solar+ TBL. REVIEW OF PROGRAM.
Expt J ARI	29	159	378 3.2+1 6.0+1	Lagunas-Solar+ CURV. FROM NATURAL.
$^{205}\text{Tl}(p,4n)^{202}\text{Pb}$	$\sigma(E)$			
4597 JUL Expt J ARI	30	85	79 3.0+1 4.5+1	Qaim+ CURV. BY KELLER METHOD.
$^{205}\text{Tl}(p,4n)^{202}\text{Pb}$	$\sigma(E)$			
4598 DAV Expt J ARI	31	117	79 3.4+1 5.8+1	Lagunas-Solar+ CURV. ENRICH. STCKD FOIL

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
205	Tl(p,4n) ²⁰² Pb	σ(E)			
4598	DAV Expt J ARI	29	159	378 2.8+1 3.7+1	Lagunas-Solar+ CURV. FROM NATURAL.
205	Tl(p,3n) ²⁰³ Pb	σ(E)			
4599	DAV Expt J ARI	31	117	79 3.5+1 5.8+1	Lagunas-Solar+ CURV. ENRICH. STCKD FOIL
	Expt A ANS	33	224	N79 3.0+1 3.5+1	Lagunas-Solar+ TBL. REVIEW OF PROGRAM.
	Expt J ARI	29	159	378 1.8+1 6.0+1	Lagunas-Solar+ CURV. FROM NATURAL.
205	Tl(p,2n) ²⁰⁴ Pb	σ(E)			
4600	JUL Expt J ARI	30	85	79 8.0+0 4.5+1	Qaim+ CURV. FROM CALC. AND METASTABLE.
205	Tl(p,2n) ²⁰⁴ Pb	σ(E)			
4601	JUL Expt J ARI	30	85	79 1.2+1 4.5+1	Qaim+ CURV. STACKED FOILS.
4602	DAV Expt J ARI	31	117	79 3.5+1 5.8+1	Lagunas-Solar+ CURV. ENRICH. STCKD FOIL
	Expt J ARI	29	159	378 1.2+1 3.7+1	Lagunas-Solar+ CURV. FROM NATURAL.
205	Tl(p,γ) ²⁰⁶ Pb	σ(E)			
4603	WAU Exth A DA/B	39	2374	N78 NDG	Ebisawa. NDG. NEAR+ABOVE GDR. SMOOTH DECR
205	Tl(p,γ) ²⁰⁶ Pb	partial σ(E)			
4604	WAU Exth A DA/B	39	2374	N78 NDG	Ebisawa. NDG. NEAR+ABOVE GDR. RES. STRUC
	Pb(p,absorption)	σ(E)			
4605	IJI Revw J FCY	6	827	75 9.9+0 9.9+1	Nemets+ TBL.
	Revw J SJPN	6	325	76 9.9+0 9.9+1	. TRANSLATION OF FCY 6.(14).827(1975).
	Pb(p,x)γ	thick target yield			
4606	CCP Expt R YK- 21	73	76	1.2+1 2.3+1	Matusevich+ CURV. TBL. THETA = 0 DEG.
	Expt R INDC(CCP)-103	577	1.2+1 2.3+1		. TRANSLATION OF T. OF C.(YK 21,73(1976)
	Pb(p,x)γ	partial thick target yield			
4607	TOK Expt J NIM	151	493	78 5.2+1	Nakamura+TBL. EXP.+RENRM.FRWDR HEMI. EG>2
	Pb(p,x)n	thick target yield×factor			
4608	CRC Revw C 77BNL-2	162	177	3.0+2 2.0+3	Fraser+ CURV. MONTE-CARLO+EXP. N/P.
	Pb(p,x)n	partial thick target yield			
4609	TOK Expt J NIM	151	493	78 5.2+1	Nakamura+TBL. EXP.+RENRM.FRWDR HEMI. EN>5
	Pb(p,x) ³ H	thick target yield			
4610	BRK Expt J PR	120	1354	60 3.2+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107	1311	57 3.2+1	. SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.008	D78	3.2+1		. (5.28+-0.53)MB.
4611	KFK Comp B PH-DAT	15	2	D79 3.2+1	Muenzel+ TBL. FROM EXFOR.
	Pb(p,x) ³ H	product yield			
4612	BRK Expt J PR	120	1354	60 3.2+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107	1311	57 3.2+1	. SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.008	D78	3.2+1		. (5.11E-5+-10PERCENT)/INCIDENT P.
4613	KFK Comp B PH-DAT	15	2	D79 3.2+1	Muenzel+ TBL. FROM EXFOR.
	Pb(p,x) ¹⁸ F	σ(E)			
4614	BNL Expt J PR	110	1130	58 1.0+3 5.9+3	Caretto+ TBL. CURV. RADIOCHEMISTRY.
	Pb(p,x) ¹⁸ F	σ(E)×factor			
4615	BNL Expt J PR	110	1130	58 1.0+3 5.9+3	Caretto+ TBL. CURV. RADIOCHEMISTRY.
	Pb(p,x) ²⁴ Na	cumulative? σ(E)			
4616	BNL Expt J PR	110	1130	58 1.0+3 5.9+3	Caretto+ TBL. CURV. RADIOCHEMISTRY.
	Pb(p,x) ²⁴ Na	cumulative? σ(E)×factor			
4617	BNL Expt J PR	110	1130	58 1.0+3 5.9+3	Caretto+ TBL. CURV. RADIOCHEMISTRY.
	Pb(p,x) ¹⁷⁹ Hg	spallation product yield			
4618	BRK Revw J ARN	27	333	77 6.0+2	Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
	Pb(p,x) ¹⁸¹ Hg	spallation product yield			
4619	BRK Revw J ARN	27	333	77 6.0+2	Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
	Pb(p,x) ¹⁸³ Hg	spallation product yield			
4620	BRK Revw J ARN	27	333	77 6.0+2	Cerny+ TBL. PRODUCTION DELAYED-P PRECUR

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$Pb(p,x)^{201}Pb$ spallation $\sigma(E)$				
4621 HAR Expt P UKNDC-P-86	26 877	3.0+0	6.5+0	Syme+ NDG. LT B1204 YLD. G-RAY ANAL.
Expt P AERE-PR/NP	24 577	3.0+1	6.5+1	Syme+ NDG. P. 41.
$Pb(p,x)^{202}Pb$ spallation $\sigma(E)$				
4622 HAR Expt P UKNDC-P-86	26 877	3.0+0	6.5+0	Syme+ NDG. LT B1204 YLD. G-RAY ANAL.
Expt P AERE-PR/NP	24 577	3.0+1	6.5+1	Syme+ NDG. P. 41.
$Pb(p,x)^{203}Pb$ spallation $\sigma(E)$				
4623 HAR Expt P UKNDC-P-86	26 877	3.0+0	6.5+0	Syme+ NDG. LT B1204 YLD. G-RAY ANAL.
Expt P AERE-PR/NP	24 577	3.0+1	6.5+1	Syme+ NDG. P. 41.
$Pb(p,x)^{202}Bi$ spallation $\sigma(E)$				
4624 HAR Expt P UKNDC-P-86	26 877	3.0+0	6.5+0	Syme+ NDG. LT B1204 YLD. G-RAY ANAL.
Expt P AERE-PR/NP	24 577	3.0+1	6.5+1	Syme+ NDG. P. 41.
$Pb(p,x)^{203}Bi$ spallation $\sigma(E)$				
4625 HAR Expt P UKNDC-P-86	26 877	3.0+0	6.5+0	Syme+ NDG. LT B1204 YLD. G-RAY ANAL.
Expt P AERE-PR/NP	24 577	3.0+1	6.5+1	Syme+ NDG. P. 41.
$Pb(p,x)^{204}Bi$ spallation $\sigma(E)$				
4626 HAR Expt P UKNDC-P-86	26 877	3.0+0	6.5+0	Syme+ NDG. SIGNIFICANT YLD. G-RAY ANAL.
Expt P AERE-PR/NP	24 577	3.0+1	6.5+1	Syme+ NDG. P. 41.
Expt P UKNDC-P-80	28 776			NDG Syme+ UP TO 5000C1/A-H.
Expt P AERE-PR/NP-23	76			NDG Syme+ POSS YLD. .LE. 5000C1/AHR. P. 49.
$Pb(p,x)^{206}Bi$ spallation $\sigma(E)$				
4627 HAR Expt P UKNDC-P-86	26 877	3.0+0	6.5+0	Syme+NDG.BROAD PEAK OVER REGION.G-ANAL.
Expt P AERE-PR/NP	24 577	3.0+1	6.5+1	Syme+ NDG. P. 41.
$Pb(p,x)^{206}Bi$ $\sigma(E)$				
4628 CCP Revv J AE	42 311	77 8.0+0	1.1+1	Zatolokin+ TBL. ACTIVATION.
Revv J SJA	42 344	077 8.0+0	1.1+1	. TRANSLATION OF AE 42(4), 311(1977).
$^{204}Pb(p,fission)$ $\sigma(E)$				
4629 KAZ Expt J YF	26 473	977 2.4+1	3.0+1	Zhukova+ CURV. INTAD.
Expt J SNP	26 251	977 2.4+1	3.0+1	. TRANSLATION OF YF 26,473(1977).
$^{204}Pb(p,t)^{202}Pb$ partial relative $\sigma(E)$				
4630 YAL Expt J PR/C	16 988	977 3.5+1		Lanford. TBL. 13 STATES. FRM DA.
$^{206}Pb(p,fission)$ $\sigma(E)=factor$				
4631 WZ1 Theo J NP/A	278 16	277 2.9+1	8.0+1	Gottschalk+ CURV. FISS. PROB. FOR P0210
$^{206}Pb(p,fission)$ $\sigma(E)$				
4632 KAZ Expt J YF	26 473	977 2.4+1	3.0+1	Zhukova+ CURV. INTAD.
Expt J SNP	26 251	977 2.4+1	3.0+1	. TRANSLATION OF YF 26,473(1977).
$^{206}Pb(p,x)^4He$ $\sigma(E)$				
4633 MIL Theo J NC/A	40 383	77 2.0+1	8.5+1	Gadioli+CURV. EXCITON PRE-EQUI. CFD EXP
$^{206}Pb(p,\alpha)^{203}Tl$ $\sigma(E)$				
4634 MIL Exth J NC	30 632	75 2.0+1		Milazzo-Colli+ (3.0+-0.6)MB.
$^{206}Pb(p,\alpha)^{203}Tl$ partial $\sigma(E)$				
4635 MIL Exth J NC	30 632	75 2.0+1		Milazzo-Colli+ PRECOMPOUND = 1.3MB.
$^{206}Pb(p,\alpha)^{203}Tl$ direct-interaction $\sigma(E)$				
4636 MIL Exth J NC	30 632	75 2.0+1		Milazzo-Colli+ 1.7MB.
$^{206}Pb(p,t)^{204}Pb$ partial relative $\sigma(E)$				
4637 YAL Expt J PR/C	16 988	977 3.5+1		Lanford. TBL. 18 STATES. FRM DA.
$^{206}Pb(p,inelastic)^{206}Pb$ partial $\sigma(E)$				
4638 LRL Expt A BAP	23 13	178 7.0+0	2.6+1	Koopman+ NDG. CFD TO (N,INL) + OTHER.
Expt A DA/B	38 2735	077 7.0+0	2.6+1	Koopman.NDG. GAMMA YLDS. DED. 2+-0+ SIG
$^{206}Pb(p,inelastic)^{206}Pb$ partial $\sigma(E)$				
4639 GHT Revv J PL/C	26 227	876 2.0+0	7.5+0	Heyde+CURV.2(1)+ST.4P1(AVE.145+165DEG.)

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
		²⁰⁶ Pb(p,3n) ²⁰⁴ Bi	thick target yield×abundance		
4640	AML Revv J IRE	26 2281 479	3.2+1		Chaudri. TBL. CFD EXP. TO CALC.
		²⁰⁷ Pb(p,x) ⁴ He	σ(E)		
4641	MIL Theo J NC/A	40 383 77	2.0+1	8.5+1	Gadioli+CURV. EXCITON PRE-EQUI. CFD EXP
		²⁰⁷ Pb(p,α) ²⁰⁴ Tl	σ(E)		
4642	MIL Exth J NC	30 632 75	2.0+1	3.0+1	Milazzo-Colli+ TBL.
		²⁰⁷ Pb(p,α) ²⁰⁴ Tl	partial σ(E)		
4643	MIL Exth J NC	30 632 75	2.0+1	3.0+1	Milazzo-Colli+ TBL. PRECOMPOUND.
		²⁰⁷ Pb(p,α) ²⁰⁴ Tl	direct-interaction σ(E)		
4644	MIL Exth J NC	30 632 75	2.0+1	3.0+1	Milazzo-Colli+ TBL.
		²⁰⁷ Pb(p,2n) ²⁰⁶ Bi	thick target yield×abundance		
4645	AML Revv J IRE	26 2281 479	2.2+1		Chaudri. TBL. CFD EXP. TO CALC.
		²⁰⁸ Pb(p,absorption)	σ(E)		
4646	ORL Theo C 77BNL	515 77	2.8+1	6.5+1	Gabriel+CURV. INTRA-NUCLEAR CASCADE MOD
4647	IJI Revv J FCY	6 827 75	2.9+1	6.1+1	Nemets+ TBL.
		Revv J SJPN	6 325 76	2.9+1	6.1+1 . TRANSLATION OF FCY 6.(4).827(1975).
4648	LAS Theo J PR/C	17 195 178	4.0+1	1.3+2	Ginocchio+ CURV. ISOBAR MODEL. CFD EXP
4649	TAM Theo J PR/C	19 896 379	1.0+2	1.0+5	Ernst+ CURV. IMPULSE APP.+ EIKONAL
		²⁰⁸ Pb(p,total)	σ(E)		
4650	LAS Theo J PR/C	20 1857 N79	1.0+2	1.0+3	Ray. CURV. SECOND-ORDER KMT FORMALISM.
		²⁰⁸ Pb(p,α) ²⁰⁵ Tl	σ(E)		
4651	MIL Exth J NC	30 632 75	2.0+1	3.0+1	Milazzo-Colli+ TBL.
		²⁰⁸ Pb(p,α) ²⁰⁵ Tl	partial σ(E)		
4652	MIL Exth J NC	30 632 75	2.0+1	3.0+1	Milazzo-Colli+ TBL. PRECOMPOUND.
		²⁰⁸ Pb(p,α) ²⁰⁵ Tl	direct-interaction σ(E)		
4653	MIL Exth J NC	30 632 75	2.0+1	3.0+1	Milazzo-Colli+ TBL.
		²⁰⁸ Pb(p,2n+p) ²⁰⁶ Pb	partial σ(E)		
4654	BRK Expl P LBL-5075	72 D76	4.4+1		Rasmussen+ (95+-20)MB. G-SPECTRA. 2+ S
		²⁰⁸ Pb(p,t) ²⁰⁸ Pb	partial relative σ(E)		
4655	IPS Theo P A-IP5-79	112 79	3.5+1		Pomar+ TBL. MULTI-STEP SHELL MODEL.
4656	YAL Expl J PR/C	16 988 977	3.5+1		Lanford. TBL. 23 STATES. FRM DA.
		²⁰⁸ Pb(p,t) ²⁰⁸ Pb	partial σ(E)		
4657	JUL Theo P JUEL-1974	327 74	1.0+1	8.0+1	Toki+ CURV. FIRST L+ STATES. INTAD(5-40
		²⁰⁸ Pb(p,x) ²⁰⁸ Pb	independent σ(E)		
4658	TOK Exth J NP/A	262 52 76	2.4+1	5.2+1	Kawakami+ T1/2=0.13MSEC. TBL. CURV. CKO
		²⁰⁸ Pb(p,2n+p) ²⁰⁶ Pb	σ(E)		
4659	BRK Expl P LBL-5075	72 D76	2.4+1	5.2+1	Rasmussen+ TBL. G-SPECTRA. 7- STATE.
		²⁰⁸ Pb(p,n+p) ²⁰⁷ Pb	σ(E)		
4660	BRK Expl P LBL-5075	72 D76	4.4+1		Rasmussen+ (120+-25)MB. G-SPECTRA. 5/2-
		²⁰⁸ Pb(p,x) ²⁰⁷ Pb	independent σ(E)		
4661	TOK Exth J NP/A	262 52 76	2.4+1	5.2+1	Kawakami+ T1/2=0.80SEC. TBL. CURV. CKO
		²⁰⁸ Pb(p,n+p) ²⁰⁷ Pb	σ(E)		
4662	BRK Expl P LBL-5075	72 D76	2.4+1	5.2+1	Rasmussen+ TBL. G-SPECTRA. 13/2+ STATE.
		²⁰⁸ Pb(p,scattering) ²⁰⁸ Pb	σ(E)		
4663	LRL Expl A BAP	21 662 76	7.0+0	2.6+1	Koopman+ NDG. DEDUCED FROM INELASTIC
		²⁰⁸ Pb(p,inelastic) ²⁰⁸ Pb	partial σ(E)		
4664	JUL Theo J NP/A	324 77 779	2.0+1	1.5+2	Hambach+ CURV. 3-. DWBA(EXACT CF PSUEDO
		²⁰⁸ Pb(p,inelastic) ²⁰⁸ Pb	σ(E)		
4665	LRL Expl A BAP	21 662 76	7.0+0	2.6+1	Koopman+ NDG. ALSO DEDUCED SCT

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		²⁰⁸ Pb(p,γ) ²⁰⁹ Bi partial σ(E)			
4666	WAU Exth A DA/B	39 2374 N78 NDG			Ebisawa. NDG. NEAR+ABOVE GDR.RES. STRUC
4667	NUS Theo J NP/A	321 306 679 8.0+0 3.0+1			Likar+ CURV. OPTICAL + DSD MODELS.
		²⁰⁸ Pb(p,γ) ²⁰⁹ Bi partial relative σ(E)			
4668	BOL Theo J PL/B	84 285 779 1.0+1 4.0+1			Longo+ CURV. THETA=55. CFD EXPT.
		²⁰⁸ Pb(p,γ) ²⁰⁹ Bi σ(E)			
4669	WAU Exth A DA/B	39 2374 N78 NDG			Ebisawa. NDG. NEAR+ABOVE GDR.SMOOTH DECR
		²⁰⁸ Pb(p,x)n thick target yield=factor			
4670	CRC Revw C 77BNL-2	162 177 TR	1.0+3		Fraser+CURV.MONTE-CAR+EXP.PB-BI LIQ.N/P
		²⁰⁷ Bi(p,fission) σ(E)			
4671	KAZ Expt J YF	26 473 977 2.4+1 3.0+1			Zhukova+ CURV. INTAD.
	Expt J SNP	26 251 977 2.4+1 3.0+1			. TRANSLATION OF YF 26,473(1977).
		²⁰⁸ Bi(p,fission) σ(E)			
4672	KAZ Expt J YF	26 473 977 2.4+1 3.0+1			Zhukova+ CURV. INTAD.
	Expt J SNP	26 251 977 2.4+1 3.0+1			. TRANSLATION OF YF 26,473(1977).
		²⁰⁸ Bi(p,x) emission σ(E)			
4673	MRY Expt J PR/C	19 698 379 9.0+1			Wu+ TBL. CHARGED-PARTICLE EMISSION.
		²⁰⁹ Bi(p,x) spallation σ(E)*factor			
4674	NRL Revw J AJ/S	35 137 077 2.0+2 4.0+2			Silberberg+ TBL. RATIO CALC./EXPT.
		²⁰⁹ Bi(p,x) partial σ(E)*factor			
4675	NRL Revw J AJ/S	35 137 077 3.8+2			Silberberg+TBL.PERIPHERALREAC.EXC.(P,XN
		²⁰⁹ Bi(p,fission) σ(E)*factor			
4676	WZL Theo J NP/A	278 16 277 2.9+1 8.0+1			Goltschalk+ CURV. FISS. PROB. FOR PO210
		²⁰⁹ Bi(p,fission) σ(E)			
4677	KAZ Expt J YF	26 473 977 2.4+1 3.0+1			Zhukova+ CURV. INTAD.
	Expt J SNP	26 251 977 2.4+1 3.0+1			. TRANSLATION OF YF 26,473(1977).
		²⁰⁹ Bi(p,nonelastic) σ(E)			
4678	NRL Theo W PREPRINT79KNOX	079 TR 8.0+1			Peterson. CURV. SEMIEMP. CALC. PREEQUIL
		²⁰⁹ Bi(p,nonelastic) direct-interaction σ(E)			
4679	NRL Theo W PREPRINT79KNOX	079 TR 8.0+1			Peterson. CURV. SEMIEMP. CALC.
		²⁰⁹ Bi(p,nonelastic) compound-nucleus σ(E)			
4680	NRL Theo W PREPRINT79KNOX	079 TR 8.0+1			Peterson. CURV. SEMIEMP. CALC.
		²⁰⁹ Bi(p,nonelastic) partial σ(E)			
4681	NRL Theo W PREPRINT79KNOX	079 TR 8.0+1			Peterson. CURV. SEMIEMP. CALC.
		²⁰⁹ Bi(p,absorption) σ(E)*factor			
4682	MRY Expt J PR/C	19 698 379 9.0+1			Wu+ TBL. RATIO TO REACTION SIGMA
		²⁰⁹ Bi(p,absorption) σ(E)			
4683	ORL Theo C 77BNL	515 77 4.0+1 6.0+1			Gabriel+CURV. INTRA-NUCLEAR CASCADE MOD
4684	MCG Theo J NCL	23 89 978 6.2+1			Hogan+ TBL. INFLUENCE OF MEAN-FREE PATH
		²⁰⁹ Bi(p,total) σ(E)			
4685	ANL Expt J PR	101 645 56 6.4+0 1.1+1			Andre+ CURV. CFD THEORY.
		²⁰⁹ Bi(p,2p+x) σ(E)			
4686	NRL Theo W PREPRINT79KNOX	079 TR 8.5+1			Peterson. CURV. FROM LITERATURE.
		²⁰⁹ Bi(p,α+x) σ(E)			
4687	NRL Theo W PREPRINT79KNOX	079 TR 8.0+1			Peterson. CURV. SEMIEMPIRICAL CALC.
		²⁰⁹ Bi(p,x)n partial σ(E)*factor			
4688	ANL Expt J PR	101 645 56 9.7+0 1.1+1			Andre+ TBL. RATIO (P,2N)/((P,N)+(P,2N))
		²⁰⁹ Bi(p,fission)n ν			
4689	TNL Revw A BAP	23 595 478 NDG			Newson. NDG. POSS. ASYMM. FISSION.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{209}\text{Bi}(p,x)^1\text{H}$ emission $\sigma(E)$			
4690	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. FROM CHRGD-PARTICLE SPECTRA
		$^{209}\text{Bi}(p,x)^1\text{H}$ partial emission $\sigma(E)$			
4691	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. DISCRETE FRM CHRGD-PART. SPEC.
	Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
		$^{209}\text{Bi}(p,x)^1\text{H}$ emission $\sigma(E) \times \text{factor}$			
4692	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. RATIO TO CHRGD-PARTICLE EMISS.
	Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. RATIO TO REACTION SIGMA
		$^{209}\text{Bi}(p,x)^1\text{H}$ compound-nucleus emission $\sigma(E)$			
4693	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. EVAPOR. FROM CHRGD-PART. SPEC.
		$^{209}\text{Bi}(p,x)^2\text{H}$ $\sigma(E)$			
4694	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. FROM CHARGED-PARTICLE SPECTRA
		$^{209}\text{Bi}(p,x)^2\text{H}$ partial $\sigma(E)$			
4695	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
	Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. DISCRETE FRM CHRGD-PART. SPEC.
		$^{209}\text{Bi}(p,x)^2\text{H}$ $\sigma(E) \times \text{factor}$			
4696	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. RATIO TO CHRGD-PARTICLE EMISS.
	Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. RATIO TO REACTION SIGMA
		$^{209}\text{Bi}(p,x)^2\text{H}$ compound-nucleus $\sigma(E)$			
4697	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. EVAPOR. FROM CHRGD-PART. SPEC.
		$^{209}\text{Bi}(p,x)^3\text{H}$ $\sigma(E)$			
4698	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. FROM CHARGED-PARTICLE SPECTRA
		$^{209}\text{Bi}(p,x)^3\text{H}$ partial $\sigma(E)$			
4699	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. DISCRETE FRM CHRGD-PART. SPEC.
	Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
		$^{209}\text{Bi}(p,x)^3\text{H}$ $\sigma(E) \times \text{factor}$			
4700	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. RATIO TO CHRGD-PARTICLE EMISS.
	Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. RATIO TO REACTION SIGMA
		$^{209}\text{Bi}(p,x)^3\text{H}$ compound-nucleus $\sigma(E)$			
4701	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. EVAPOR. FROM CHRGD-PART. SPEC.
		$^{209}\text{Bi}(p,x)^3\text{He}$ $\sigma(E)$			
4702	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. FROM CHARGED-PARTICLE SPECTRA
		$^{209}\text{Bi}(p,x)^3\text{He}$ partial $\sigma(E)$			
4703	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. DISCRETE FRM CHRGD-PART. SPEC.
	Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
		$^{209}\text{Bi}(p,x)^3\text{He}$ $\sigma(E) \times \text{factor}$			
4704	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. RATIO TO CHRGD-PARTICLE EMISS.
	Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. RATIO TO REACTION SIGMA
		$^{209}\text{Bi}(p,x)^3\text{He}$ compound-nucleus $\sigma(E)$			
4705	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. EVAPOR. FROM CHRGD-PART. SPEC.
		$^{209}\text{Bi}(p,x)^4\text{He}$ $\sigma(E)$			
4706	MIL Theo J NC/A	40	383	77 2.0+1	8.5+1 Gadioli+CURV. EXCITON PRE-EQUI. CFD EXP
4707	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. FROM CHARGED-PARTICLE SPECTRA
		$^{209}\text{Bi}(p,x)^4\text{He}$ partial $\sigma(E)$			
4708	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. NON-EQUIL FRM CHRGD-PART. SPEC.
	Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. DISCRETE FRM CHRGD-PART. SPEC.
		$^{209}\text{Bi}(p,x)^4\text{He}$ $\sigma(E) \times \text{factor}$			
4709	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. RATIO TO CHRGD-PARTICLE EMISS.
	Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. RATIO TO REACTION SIGMA
		$^{209}\text{Bi}(p,x)^4\text{He}$ compound-nucleus $\sigma(E)$			
4710	MRY Expt J PR/C	19	698	379 9.0+1	Wu+ TBL. EVAPOR. FROM CHRGD-PART. SPEC.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{208}\text{Bi}(p,\alpha)^{208}\text{Pb}$ $\sigma(E)$			
4711	MIL Exth J NC	30 632 75 2.0+1			Milazzo-Colli+ (2.6+0.5)MB.
		$^{208}\text{Bi}(p,\alpha)^{208}\text{Pb}$ partial $\sigma(E)$			
4712	MIL Exth J NC	30 632 75 2.0+1			Milazzo-Colli+ PRECOMPOUND = 1.1MB.
		$^{208}\text{Bi}(p,\alpha)^{208}\text{Pb}$ direct-interaction $\sigma(E)$			
4713	MIL Exth J NC	30 632 75 2.0+1			Milazzo-Colli+ 1.5MB.
		$^{208}\text{Bi}(p,5n+p)^{204}\text{Bi}$ $\sigma(E)$			
4714	NRL Theo W PREPRINT79KNOX 079 TR		8.0+1		Peterson. CURV. LITERATURE+SEMIEMP CALC
		$^{208}\text{Bi}(p,4n+p)^{209}\text{Bi}$ $\sigma(E)$			
4715	NRL Theo W PREPRINT79KNOX 079 TR		8.0+1		Peterson. CURV. LITERATURE+SEMIEMP CALC
		$^{208}\text{Bi}(p,3n+p)^{208}\text{Bi}$ $\sigma(E)$			
4716	KFK Comp B PH-DAT 15 1 079 3.1+1		5.2+1		Muenzel+ TBL. FROM EXFOR.
4717	TOK Expt J NP/A 230 98 74 3.1+1		5.2+1		Miyano+ CURV. ALSO RECOIL RANGE.
	Expt 4 EXFORB0035.004 77 3.1+1		5.2+1		. 13 ENTRIES.
		$^{208}\text{Bi}(p,3n+p)^{208}\text{Bi}$ $\sigma(E)$			
4718	NRL Theo W PREPRINT79KNOX 079 TR		8.0+1		Peterson. CURV. LITERATURE+SEMIEMP CALC
		$^{208}\text{Bi}(p,2n+p)^{207}\text{Bi}$ $\sigma(E)$			
4719	NRL Theo W PREPRINT79KNOX 079 TR		8.5+1		Peterson. CURV. LITERATURE+SEMIEMP CALC
		$^{208}\text{Bi}(p,n+p)^{208}\text{Bi}$ $\sigma(E)$			
4720	NRL Theo W PREPRINT79KNOX 079 TR		8.0+1		Peterson. CURV. SEMIEMPIRICAL CALC.
		$^{208}\text{Bi}(p,\text{inelastic})^{208}\text{Bi}$ $\sigma(E)\times\text{factor}$			
4721	COL Revv C 71ALBANY 505 71 7.0+0		1.2+1		Miller. TBL. (P,N)/(P,INL)
		$^{208}\text{Bi}(p,\text{inelastic})^{208}\text{Bi}$ $\sigma(E)$			
4722	NRL Theo W PREPRINT79KNOX 079 TR		8.0+1		Peterson. CURV. SEMIEMPIRICAL CALC.
		$^{208}\text{Bi}(p,12n)^{188}\text{Po}$ $\sigma(E)$			
4723	NRL Theo J AJ/S 35 129 077 1.2+2		1.3+2		Silberberg+ CURV. 4 REFERENCES.
		$^{208}\text{Bi}(p,10n)^{200}\text{Po}$ $\sigma(E)$			
4724	NRL Theo J AJ/S 35 129 077 1.0+2		1.2+2		Silberberg+ CURV. 4 REFERENCES.
		$^{208}\text{Bi}(p,8n)^{202}\text{Po}$ $\sigma(E)$			
4725	NRL Theo W PREPRINT79KNOX 079 TR		8.5+1		Peterson. CURV. FROM LITERATURE.
4726	NRL Theo J AJ/S 35 129 077 9.0+1		1.1+2		Silberberg+ CURV. 4 REFERENCES.
		$^{208}\text{Bi}(p,7n)^{203}\text{Po}$ $\sigma(E)$			
4727	NRL Theo W PREPRINT79KNOX 079 TR		8.5+1		Peterson. CURV. FROM LITERATURE.
		$^{208}\text{Bi}(p,6n)^{204}\text{Po}$ $\sigma(E)$			
4728	NRL Theo W PREPRINT79KNOX 079 TR		8.5+1		Peterson. CURV. LITERATURE+SEMIEMP CALC
4729	NRL Theo J AJ/S 35 129 077 7.0-5		7.8-4		Silberberg+ CURV. 4 REFERENCES.
		$^{208}\text{Bi}(p,5n)^{205}\text{Po}$ $\sigma(E)$			
4730	NRL Theo W PREPRINT79KNOX 079 TR		8.5+1		Peterson. CURV. LITERATURE+SEMIEMP CALC
		$^{208}\text{Bi}(p,4n)^{206}\text{Po}$ $\sigma(E)$			
4731	NRL Theo W PREPRINT79KNOX 079 TR		8.5+1		Peterson. CURV. LITERATURE+SEMIEMP CALC
4732	TOK Expt J NP/A 230 98 74 2.6+1		5.2+1		Miyano+ CURV. ALSO RECOIL RANGE.
	Expt 4 EXFORB0035.003 77 2.6+1		5.2+1		. 16 ENTRIES.
4733	KFK Comp B PH-DAT 15 2 079 3.0+1		4.4+1		Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT 15 1 079 2.6+1		5.2+1		Muenzel+ TBL. FROM EXFOR.
4734	MIL Expt J NP/A 166 605 71 3.0+1		4.4+1		Birattari+ CURV. FROM K X-RAY INTENSITY
	Expt 4 EXFORB0038.007 876 3.0+1		4.4+1		. 6 ENTRIES.
4735	NRL Theo J AJ/S 35 129 077 4.0+1		1.0+2		Silberberg+ CURV. 4 REFERENCES.
		$^{208}\text{Bi}(p,3n)^{207}\text{Po}$ including metastable $\sigma(E)$			
4736	TOK Expt J NP/A 230 98 74 1.8+1		5.2+1		Miyano+ CURV. ALSO RECOIL RANGE.
	Expt 4 EXFORB0035.002 77 1.8+1		5.2+1		. 15 ENTRIES.
4737	KFK Comp B PH-DAT 15 2 079 2.0+1		4.0+1		Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT 15 1 079 1.8+1		5.2+1		Muenzel+ TBL. FROM EXFOR.
4738	MIL Expt J NP/A 166 605 71 2.0+1		4.0+1		Birattari+ CURV. FROM K X-RAY INTENSITY

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{209}\text{Bi}(p,3n)^{207}\text{Po}$ including metastable $\sigma(E)$			
4738	MIL Expt 4	EXFORB0038.006	876	2.0+1 4.0+1	. 11 ENTRIES.
		$^{209}\text{Bi}(p,3n)^{207}\text{Po}$ $\sigma(E)$			
4739	NRL Theo W	PREPRINT79KNOX	079	TR	8.5+1 Peterson. CURV. LITERATURE+SEMIEMP CALC
		$^{209}\text{Bi}(p,2n)^{208}\text{Po}$ $\sigma(E)$			
4740	NRL Theo W	PREPRINT79KNOX	079	TR	8.0+1 Peterson. CURV. SEMIEMPIRICAL CALC.
4741	ANL Expt J	PR 101	645	56 9.7+0 1.1+1	Andre+ TBL. CURV. STACKED FOILS.
4742	NRL Theo J	AJ/S 35	129	077 1.1+1 9.0+1	Silberberg+ CURV. 4 REFERENCES.
4743	TOK Exth C	77TOKYO	721	977 1.8+1 6.4+1	Miyano+ CURV. A-COUNTING+ PREEQ. ANALYS
		$^{209}\text{Bi}(p,2n)^{208}\text{Po}$ $\sigma(E)$ xfactor			
4744	ANL Expt J	PR 101	645	56 9.7+0 1.1+1	Andre+ TBL. RATIO (P,2N)/(P,N)+(P,2N))
		$^{209}\text{Bi}(p,n)^{209}\text{Po}$ $\sigma(E)$ xfactor			
4745	COL Revw C	71ALBANY	505	71 5.0+0 8.0+0	Miller. TBL. (P,N)/(P,1N)
		$^{209}\text{Bi}(p,n)^{209}\text{Po}$ $\sigma(E)$			
4746	NRL Theo W	PREPRINT79KNOX	079	TR	8.5+1 Peterson. CURV. FROM LITERATURE.
4747	KFK Comp B	PH-DAT 15	2	079 9.8+0 1.0+1	Muenzel+ TBL. FROM EXFOR.
4748	ANL Expt J	PR 128	280	062 9.8+0 1.0+1	Wing+ TBL. CURV. RESID. RADIOACTIVITY.
	Expt R	T10-12696	61	9.8+0 1.0+1	. SUPERSEDED.
	Expt J	PR 101	645	56 6.4+0 1.1+1	Andre+ TBL. CURV. STACKED FOILS.
	Expt 4	EXFORB0065.011	678	9.8+0 1.0+1	. 2 DATA POINTS. FROM PR 128, 280.
4749	TOK Exth J	JPJ 45	1071	078 1.8+1 6.4+1	Miyano+ CURV. STACKED FOILS. AL DEGRAD.
	Exth C	77TOKYO	721	977 1.8+1 6.4+1	Miyano+ CURV. A-COUNTING+ PREEQ. ANALYS
		$^{209}\text{Bi}(p,n)^{209}\text{Po}$ partial $\sigma(E)$			
4750	TOK Exth J	JPJ 45	1071	078 1.8+1 6.4+1	Miyano+CURV. PRE-EQUIL. GDH + STAT. MOD
		$^{209}\text{Bi}(p,n)^{209}\text{Po}$ compound-nucleus $\sigma(E)$			
4751	TOK Exth J	JPJ 45	1071	078 1.8+1 6.4+1	Miyano+ CURV. GDH + STAT. MOD.
		$^{209}\text{Bi}(p,n)^{209}\text{Po}$ direct-interaction $\sigma(E)$			
4752	TOK Exth J	JPJ 45	1071	078 1.8+1 6.4+1	Miyano+ CURV. GDH + STAT. MOD.
		$^{209}\text{Bi}(p,\gamma)^{210}\text{Po}$ $\sigma(E)$			
4753	ANL Expt J	PR 101	645	56 6.4+0 1.1+1	Andre+ TBL. CURV. STACKED FOILS.
4754	ORL Expt J	PR 100	206	055 1.0+1 2.2+1	Cohen. TBL.
4755	PAR Exth P	CEA-N-2026	158	977 4.0+1 1.0+2	Lagarde+ CURV. ALICE CFD TO EXP
4756	INU Expt W	NEWSLETTER22	3	278 5.0+1 1.9+2	Friesel+ CURV. INCLUDES π^0 PRODUCTION.
		$^{209}\text{Bi}(p,x)$ charge distribution thick target yield			
4757	LAS Expt P	LA- 7607-PR	47	179 2.0+2	Exp. 103(LAS,BNL). AT PRODUCTION.
		$^{209}\text{Bi}(p,xn)$ charge distribution partial $\sigma(E)$			
4758	BUC Expt J	RRP 23	289	78 7.0+0 1.7+1	Duma+ CURV. (P,N)+(P,2N). CFD THEORY
		$^{209}\text{Bi}(p,fission)$ mass distribution fission yield			
4759	PAR Theo J	JPRL 40	318	779 3.6+1 5.6+1	Da-Silveira. CURV. CATASTROPHY CFD EXPT
		$^{209}\text{Bi}(p,fission)$ mass distribution cumulative fission yield			
4760	TNL Revw A	BAP 23	595	478 NDG	Newson. NDG. POSS. ASYMM. FISSION.
		$^{209}\text{Bi}(p,fission)$ mass distribution primary fission yield			
4761	TUE Revw J	JP/A 278	15	76 3.2+1	Gonnenwein+ CURV AS FUNCTION OF FF MASS
		$^{209}\text{Bi}(p,x)$ isotopic distribution spallation $\sigma(E)$			
4762	NRL Revw J	AJ/S 35	137	077 3.8+2	Silberberg+CFD.CALC.METH.+EXP.146ISOTOP
		$^{209}\text{Bi}(p,xn)$ isotopic distribution $\sigma(E)$			
4763	NRL Revw J	AJ/S 35	137	077 1.0+1 8.0+2	Silberberg+ CURV. X=2-12.
	Theo J	AJ/S 35	129	077 4.0+2	Silberberg+ CURV. X=1-10. 4 REFERENCES.
4764	PAR Exth P	CEA-N-2026	158	977 2.0+1 1.5+2	Lagarde+ CURV. X=2-9.
	Expt LE	BEYEC	466	2.0+1 1.5+2	Le-Beyec.
		$^{228}\text{Ra}(p,fission)n$ v			
4765	WZ1 Expt J	PR/C 16	1066	977 1.2+1	Gayer+ CURV. AS FUNC. OF PROMPT F MASS

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{228}\text{Ra}(\text{p},\text{fission})\text{n}$			prompt ν
4766	WZl Expt J PR/C	16 1066 977	1.2+1		Gayer+ CURV. PREFISS. N AS FUNC OF MASS
		$^{228}\text{Ra}(\text{p},\text{fission})\text{mass distribution}$			fission yield
4767	PAR Theo J JPRL	40 318 779	1.1+1	1.6+1	Da-Silveira. CURV. CATASTROPHY CFD EXPT
		$^{228}\text{Ra}(\text{p},\text{fission})\text{mass distribution}$			relative $\sigma(\text{E})$
4768	WZl Expt J PR/C	16 1066 977	1.2+1		Gayer+ CURV. ALSO AS FUNCTION OF E.
		$^{228}\text{Ra}(\text{p},\text{fission})\text{mass distribution}$			primary fission yield
4769	TUE Revv J ZP/A	278 15 76	1.3+1		Gonnenwein+ CURV AS FUNCTION OF FF MASS
		$^{228}\text{Ra}(\text{p},\text{fission})\text{mass distribution}$			cumulative fission yield
4770	ANL Theo J PR/C	14 1832 76	1.3+1		Wilkins+ CURV. ARB. UNITS. A=75-155.
		$^{232}\text{Th}(\text{p},\text{fission})$			$\sigma(\text{E})$
4771	TOK Expt P A-INS-78	54 79	1.0+1	2.2+1	Kudo+ CURV.
4772	MCG Expt J PR/C	20 1831 N79	1.5+1	4.0+1	Hogan+ CURV. EXCITON MODEL.
		$^{232}\text{Th}(\text{p},\text{fission})$			partial delayed ratio $\sigma(\text{E})$
4773	FEI Expt J YF	27 298 278	7.0+0		Kononov+ ISOMER/PROMPT LT 2E-6
	Expt J SNP	27 162 78	7.0+0		. TRANSLATION OF YF 27, 298(1978)
		$^{232}\text{Th}(\text{p},\text{fission})$			delayed $\sigma(\text{E})$
4774	FEI Expt J YF	27 298 278	7.0+0		Kononov+ FRM RATIO. LT 10E-98.
	Expt J SNP	27 162 78	7.0+0		. TRANSLATION OF YF 27, 298(1978)
		$^{232}\text{Th}(\text{p},\text{fission})$			partial fission yield*factor
4775	FSU Expt J PR/C	20 1055 979	9.5+0	1.7+1	Eaker+ CURV. SYMM/ASYMM FROM CONTOUR
		$^{232}\text{Th}(\text{p},\text{fission})$			independent $\sigma(\text{E})$ fission fragments
4776	FEI Expt J YF	27 298 278	4.0+0	7.0+0	Kononov+ CURV. ANNULAR SI-AU DET.
	Expt J SNP	27 162 78	4.0+0	7.0+0	. TRANSLATION OF YF 27 298(1978)
	Expt 4 EXFORA0024.003	379	4.0+0	7.0+0	. 5 DATA POINTS.
		$^{232}\text{Th}(\text{p},\text{absorption})$			$\sigma(\text{E})$
4777	IJI Revv J FCY	6 827 75	9.8+0	9.9+1	Nemets+ TBL.
	Revv J SJPN	6 325 76	9.8+0	9.9+1	. TRANSLATION OF FCY 6, (4), 827(1975).
		$^{232}\text{Th}(\text{p},\text{total})$			$\sigma(\text{E})$
4778	TOK Expt P A-INS-78	54 79	1.0+1	2.2+1	Kudo+ CURV.
		$^{232}\text{Th}(\text{p},\text{x})^3\text{H}$			thick target yield
4779	BRK Expt J PR	120 1354 60	3.2+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107 1311 57	3.2+1		. SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.009	D78	3.2+1		. (7.73+-0.77)MB.
4780	KFK Comp B PH-DAT	15 2 D79	3.2+1		Muenzel+ TBL. FROM EXFOR.
		$^{232}\text{Th}(\text{p},\text{x})^3\text{H}$			product yield
4781	BRK Expt J PR	120 1354 60	3.2+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107 1311 57	3.2+1		. SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.009	D78	3.2+1		. (7.35E-5+-10PERCENT)T/INCIDENT P.
4782	KFK Comp B PH-DAT	15 2 D79	3.2+1		Muenzel+ TBL. FROM EXFOR.
		$^{232}\text{Th}(\text{p},\text{fission})^{75}\text{Ge}$			cumulative $\sigma(\text{E})$
4783	MCG Expt J JIN	41 795 79	3.5+1	8.5+1	Diksic+ TBL. CURV. DERIVED Z DISPERSION
		$^{232}\text{Th}(\text{p},\text{fission})^{77}\text{Ge}$			partial cumulative $\sigma(\text{E})$
4784	MCG Expt J JIN	41 795 79	3.5+1	8.5+1	Diksic+ TBL. CURV. DERIVED Z DISPERSION
		$^{232}\text{Th}(\text{p},\text{fission})^{78}\text{Ge}$			cumulative $\sigma(\text{E})$
4785	MCG Expt J JIN	41 795 79	3.5+1	8.5+1	Diksic+ TBL. CURV. DERIVED Z DISPERSION
		$^{232}\text{Th}(\text{p},\text{fission})^{78}\text{As}$			independent $\sigma(\text{E})$
4786	MCG Expt J JIN	41 795 79	3.5+1	8.5+1	Diksic+ TBL. CURV. DERIVED Z DISPERSION
		$^{232}\text{Th}(\text{p},\text{fission})^{77}\text{As}$			partial cumulative $\sigma(\text{E})$
4787	MCG Expt J JIN	41 795 79	3.5+1	8.5+1	Diksic+ TBL. CURV. DERIVED Z DISPERSION
		$^{232}\text{Th}(\text{p},\text{fission})^{78}\text{As}$			independent $\sigma(\text{E})$
4788	MCG Expt J JIN	41 795 79	3.5+1	8.5+1	Diksic+ TBL. CURV. DERIVED Z DISPERSION

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{232}\text{Th}(p, \text{fission})^{79}\text{As}$			cumulative $\sigma(E)$
4789	MCG Expt J JIN	41 795	79 3.5+1	8.5+1	Diksic+ TBL. CURV. DERIVED Z DISPERSION
		$^{232}\text{Th}(p, \text{fission})^{91}\text{Sr}$			$\sigma(E) \times \text{factor}$
4790	TOK Expt P A-INS-78	54 79	1.0+1	2.2+1	Kudo+ CURV. RATIO 91SR/115CD.
		$^{232}\text{Th}(p, \text{fission})^{113}\text{Ag}$			$\sigma(E) \times \text{factor}$
4791	CCP Revv R YK- 18	3 75	5.0+0	1.0+2	Lbov+ CURV. RATIO AG113/BA139.
	Revv R INDC(CCP)-70	2 176	NDG		.TRANSLATION OF ABSTRACT OF YK-18,3(75)
		$^{232}\text{Th}(p, \text{fission})^{115}\text{Cd}$			$\sigma(E) \times \text{factor}$
4792	TOK Expt P A-INS-78	54 79	1.0+1	2.2+1	Kudo+ CURV. RATIO 91SR/115CD.
		$^{232}\text{Th}(p, \text{fission})^{120}\text{Ba}$			raw $\sigma(E)$
4793	MCG Expt J JIN	38 365	76 1.7+1		Diksic+ NO ISOMER FOUND (T _{1/2} =15-2500).
		$^{232}\text{Th}(p, \text{fission})^{139}\text{Ba}$			$\sigma(E) \times \text{factor}$
4794	CCP Revv R YK- 18	3 75	5.0+0	1.0+2	Lbov+ CURV. RATIO AG113/BA139.
	Revv R INDC(CCP)-70	2 176	NDG		.TRANSLATION OF ABSTRACT OF YK-18,3(75)
		$^{232}\text{Th}(p, x)^{221}\text{Rn}$			spallation product yield
4795	LVP Expt J JIN	26 491	66 3.7+2		Butement+ NDG. RADIOCHEM. PAR PB-213.
		$^{232}\text{Th}(p, \alpha)^{229}\text{Ac}$			$\sigma(E)$
4796	MIL Exth J NC	30 632	75 2.0+1		Milazzo-Colli+ (4.1+0.8)MB.
		$^{232}\text{Th}(p, \alpha)^{229}\text{Ac}$			partial $\sigma(E)$
4797	MIL Exth J NC	30 632	75 2.0+1		Milazzo-Colli+ PRECOMPOUND = 3.4MB.
		$^{232}\text{Th}(p, \alpha)^{229}\text{Ac}$			direct-interaction $\sigma(E)$
4798	MIL Exth J NC	30 632	75 2.0+1		Milazzo-Colli+ 0.7MB.
		$^{232}\text{Th}(p, d)^{231}\text{Th}$			$\sigma(E)$
4799	JYV Expt P A-JYV-78	100 78	1.6+1	2.0+1	Celler+ CURV. ACTIVATION.
		$^{232}\text{Th}(p, \text{inelastic})^{232}\text{Th}$			$\sigma(E)$
4800	JYV Expt P A-JYV-78	100 78	5.0+0	1.9+1	Celler+ CURV. IN-BEAM.
		$^{232}\text{Th}(p, n)^{226}\text{Pa}$			$\sigma(E)$
4801	KFK Comp B PH-DAT	15 2 079	5.0+1	1.0+2	Muenzel+ TBL. FROM EXFOR.
4802	MCG Expt J NP/A 218	418 74	5.0+1	1.0+2	Suk+ CURV. ALSO COMP. TO JACKSON MODEL.
	Expt 4 EXFORB0037.003	77 5.0+1	1.0+2		. 16 ENTRIES.
		$^{232}\text{Th}(p, n)^{227}\text{Pa}$			$\sigma(E)$
4803	KFK Comp B PH-DAT	15 2 079	3.9+1	1.0+2	Muenzel+ TBL. FROM EXFOR.
4804	MCG Expt J NP/A 218	418 74	3.9+1	1.0+2	Suk+ CURV. ALSO COMP. TO JACKSON MODEL.
	Expt 4 EXFORB0037.002	77 3.9+1	1.0+2		. 16 ENTRIES.
		$^{232}\text{Th}(p, n)^{230}\text{Pa}$			$\sigma(E)$
4805	TOK Expt P A-INS-78	54 79	1.0+1	2.2+1	Kudo+ CURV.
4806	JYV Expt P A-JYV-78	100 78	1.5+1	2.0+1	Celler+ CURV. ACTIVATION. CFD THEORY.
		$^{232}\text{Th}(p, n)^{231}\text{Pa}$			$\sigma(E)$
4807	JYV Expt P A-JYV-78	100 78	7.0+0	2.0+1	Celler+ CURV. IN-BEAM. CFD THEORY.
4808	TOK Expt P A-INS-78	54 79	1.0+1	2.2+1	Kudo+ CURV.
		$^{232}\text{Th}(p, n)^{232}\text{Pa}$			$\sigma(E)$
4809	JYV Expt P A-JYV-78	100 78	7.0+0	2.0+1	Celler+ CURV. ACTIVATION. CFD THEORY.
4810	TOK Expt P A-INS-78	54 79	1.0+1	2.2+1	Kudo+ CURV.
		$^{232}\text{Th}(p, \text{fission})$			mass distribution fission yield
4811	PAR Theo J JPRL	40 318 779	1.3+1	5.3+1	Da-Silveira. CURV. CATASTROPHY CFD EXPT
		$^{232}\text{Th}(p, \text{fission})$			mass distribution prompt $\sigma(E)$
4812	HAR Expt P UKNDC-P-88	94 678	NDG		Cuninghame+ NDG. WORK COMPLETED.
		$^{232}\text{Th}(p, \text{fission})$			mass distribution cumulative fission yield
4813	CCP Revv R YK- 18	3 75	9.3+0		Lbov+ CURV. A=77-160.
	Revv R INDC(CCP)-70	2 176	NDG		.TRANSLATION OF ABSTRACT OF YK-18,3(75)

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
$^{232}\text{Th}(p,x)$ isotopic distribution spallation $\sigma(E)$						
4814	MRY Expt A BAP	21 503 76	1.0+2		Schuster+ NDG	
$^{232}\text{Th}(p,\text{fission})$ isotopic distribution cumulative fission yield						
4815	CCP Revw R YK- 18	3 75	1.2+0	1.0+2	Lbov+ TBL. A=72-140. Z=31-57.	
	Revw R INDC(CCP)-70	2 176	NDG		TRANSLATION OF ABSTRACT OF YK-18,3(75)	
$^{232}\text{Th}(p,xn)$ isotopic distribution $\sigma(E)$						
4816	MCG Expt J PR/C	20 1831 N79	1.0+1	9.0+1	Hogan+ CURV. EXCITON MODEL. X=1,3-7.	
$^{232}\text{Th}(p,xn+p)$ isotopic distribution $\sigma(E)$						
4817	MCG Expt J PR/C	20 1831 N79	1.3+1	9.0+1	Hogan+ TBL. CURV. RADIOCHEM+EXCITON.	
$^{232}\text{Th}(p,xn+2p)$ isotopic distribution $\sigma(E)$						
4818	MCG Expt J PR/C	20 1831 N79	3.0+1	9.0+1	Hogan+ CURV. EXCITON MODEL. X=3-7.	
$^{232}\text{Th}(p,xn+3p)$ isotopic distribution $\sigma(E)$						
4819	MCG Expt J PR/C	20 1831 N79	5.1+1	9.0+1	Hogan+ TBL. CURV. RADIOCHEM+EXCITON.	
$^{232}\text{Th}(p,\text{fission})$ product yield						
4820	INU Theo J JPGL	3 109 577	1.0+0	1.0+1	Ndefru+ MONAZITE. EST. X-RAY PRODUCTION	
$\text{U}(p,x)^{18}\text{F}$ $\sigma(E)$						
4821	BNL Expt J PR	110 1130 58	1.0+3	5.9+3	Caretto+ TBL. CURV. RADIOCHEMISTRY.	
$\text{U}(p,x)^{18}\text{F}$ $\sigma(E)\times\text{factor}$						
4822	BNL Expt J PR	110 1130 58	1.0+3	5.9+3	Caretto+ TBL. CURV. RADIOCHEMISTRY.	
$\text{U}(p,x)^{24}\text{Ne}$ cumulative $\sigma(E)$						
4823	BNL Expt J PR	171 1301 68	1.0+3	3.0+3	Hudis+ TBL. FROM NE24/NA24 RATIO.	
	Expt 4 EXFORB0078.005	D78	1.0+3	3.0+3	. 3 ENTRIES.	
4824	KFK Comp B PH-DAT	15 2 079	1.0+3	3.0+3	Muenzel+ TBL. FROM EXFOR.	
$\text{U}(p,x)^{24}\text{Ne}$ cumulative $\sigma(E)\times\text{factor}$						
4825	BNL Expt J PR	171 1301 68	7.0+2	3.0+3	Hudis+ TBL. RATIO NE24,CUM/NA24,IND	
	Expt 4 EXFORB0078.005	D78	7.0+2	3.0+3	. 4 ENTRIES.	
4826	KFK Comp B PH-DAT	15 2 079	7.0+2	3.0+3	Muenzel+ TBL. FROM EXFOR.	
$\text{U}(p,x)^{24}\text{Na}$ independent including metastable $\sigma(E)$						
4827	BNL Expt J PR	171 1301 68	1.0+3	3.0+3	Hudis+ TBL. FROM NE24/NA24 RATIO.	
	Expt 4 EXFORB0078.005	D78	1.0+3	3.0+3	. 3 ENTRIES.	
4828	KFK Comp B PH-DAT	15 2 079	1.0+3	3.0+3	Muenzel+ TBL. FROM EXFOR.	
$\text{U}(p,x)^{24}\text{Na}$ independent including metastable $\sigma(E)\times\text{factor}$						
4829	BNL Expt J PR	171 1301 68	7.0+2	3.0+3	Hudis+ TBL. RATIO NE24,CUM/NA24,IND	
	Expt 4 EXFORB0078.005	D78	7.0+2	3.0+3	. 4 ENTRIES.	
4830	KFK Comp B PH-DAT	15 2 079	7.0+2	3.0+3	Muenzel+ TBL. FROM EXFOR.	
$\text{U}(p,x)^{24}\text{Na}$ cumulative? $\sigma(E)$						
4831	BNL Expt J PR	171 1301 68	1.0+3	3.0+3	Hudis+ TBL. CORRECTED FOR RVSD MON SIG	
	Expt J PR 110 1130 58		1.0+3	5.9+3	Caretto+ TBL. CURV. RADIOCHEMISTRY.	
	Expt 4 EXFORB0078.005	D78	1.0+3	3.0+3	. 3 ENTRIES.	
4832	KFK Comp B PH-DAT	15 2 079	1.0+3	3.0+3	Muenzel+ TBL. FROM EXFOR.	
$\text{U}(p,x)^{24}\text{Na}$ cumulative? $\sigma(E)\times\text{factor}$						
4833	BNL Expt J PR	110 1130 58	1.0+3	5.9+3	Caretto+ TBL. CURV. RADIOCHEMISTRY.	
$^{233}\text{U}(p,\text{fission})$ $\sigma(E)$						
4834	INU Theo J JPGL	3 109 577	1.2+1	1.9+1	Ndefru+ CURV. FRM BOYCE THESIS(DUKE.72)	
$^{233}\text{U}(p,\text{fission})n$ ν						
4835	MCG Expt A PC	35 14 79	4.1+1	9.8+1	Beeley+ NDG. FOR ASYMMETRIC+SYMMETRIC F	
$^{233}\text{U}(p,\text{fission})$ mass distribution cumulative fission yield						
4836	MAN Revw J RPP	39 955 76	8.5+0	1.3+1	Grant. CURV. FRM PR/C 3. 2034(1971)	
$^{233}\text{U}(p,\text{fission})$ isotopic distribution product yield						
4837	MCG Expt A PC	35 14 79	4.1+1	9.8+1	Beeley+ NDG. RB,CS,IN,+GA DISTRIBUTIONS	
$^{233}\text{U}(p,\text{fission})$ isotopic distribution cumulative fission yield						
4838	CCP Revw R YK- 18	3 75	2.0+1	8.5+1	Lbov+ TBL. A=129-138. Z=53,54,55.	

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
²³³ U(p,fission)isotopic distribution cumulative fission yield					
4838	CCP Revv R INDC(CCP)-70 2 176	NDG			.TRANSLATION OF ABSTRACT OF YK-18.3(75)
²³⁴ U(p,fission) σ(E)					
4839	INU Theo J JPGL 3 109 577	1.2+1	1.9+1	Ndefru+	CURV. FRM BOYCE THESIS(DUKE,72)
²³⁴ U(p,fission)mass distribution cumulative fission yield					
4840	TNL Expt P DOE-NDC-15 219 479	6.5+0	1.4+1	Cusson+	NDG. FROM ENERGY CORRELATIONS.
	Expt A DA/B 39 4433 379	6.5+0	1.4+1	Epperson+	NDG. FROM FF ENERGY-CORR. MEA
	Expt P ORO-1667-17 12 79	0.0+0	3.0+1	Epperson+	NDG. 100 MASSES.ANAL. IN PROG
	Theo P ORO-1667-17107 79	6.5+0	1.4+1	Cusson+	NDG. ANALYSIS OF MASS DIST.
	Theo P A-TNL-78 107 79	6.5+0	1.4+1		. SAME AS ORO-1667-17
	Expt P A-TNL-78 12 79	0.0+0	3.0+1		. SAME AS ORO-1667-17
	Expt P ERDA-NDC-3 288 576	6.3+0	3.0+1	Purser+	NDG. 100 MASS DISTRIBUTIONS.
²³⁴ U(p,fission)mass distribution prompt σ(E)					
4841	TNL Expt A DA/B 39 4433 379	6.5+0	1.4+1	Epperson+	NDG. FIRST-CHANCE FISS.
	Theo P ORO-1667-17107 79	6.5+0	1.4+1	Cusson+	NDG. FIRST CHANCE-FISSION.
	Theo P A-TNL-78 107 79	6.5+0	1.4+1		. SAME AS ORO-1667-17
²³⁴ U(p,n+fission)mass distribution fission yield					
4842	TNL Expt A DA/B 39 4433 379	6.5+0	1.4+1	Epperson+	NDG. FROM FF ENERGY-CORR. MEA
²³⁴ U(p,n+fission)mass distribution prompt σ(E)					
4843	TNL Expt A DA/B 39 4433 379	6.5+0	1.4+1	Epperson+	NDG. FIRST-CHANCE FISS.
²³⁵ U(p,fission) σ(E)					
4844	INU Theo J JPGL 3 109 577	1.2+1	1.9+1	Ndefru+	CURV. FRM BOYCE THESIS(DUKE,72)
²³⁵ U(p,fission) raw σ(E)					
4845	BUC Expt J RRP 22 743 77	1.4+1	1.4+1	Borcea+	CURV. DEDUCED IAR.
²³⁵ U(p,fission) ^{95w/9Nb} ratio σ(E)					
4846	LAS Theo J ANS 24 461 N76	1.0+1		Madland+	CURV. SEMIEMPERICAL.
²³⁵ U(p,elastic) ^{235U} raw σ(E)					
4847	BUC Expt J RRP 22 743 77	1.4+1	1.4+1	Borgea+	CURV. DEDUCED IAR.
²³⁵ U(p,fission)mass distribution cumulative fission yield					
4848	TNL Expt P DOE-NDC-15 219 479	6.2+0	3.0+1	Cusson+	NDG. FROM ENERGY CORRELATIONS.
	Expt A DA/B 39 4433 379	6.2+0	3.0+1	Epperson+	NDG. FROM FF ENERGY-CORR. MEA
	Expt P ORO-1667-17 12 79	0.0+0	3.0+1	Epperson+	NDG. 100 MASSES.ANAL. IN PROG
	Theo P ORO-1667-17107 79	6.2+0	3.0+1	Cusson+	NDG. ANALYSIS OF MASS DIST.
	Theo P A-TNL-78 107 79	6.2+0	3.0+1		. SAME AS ORO-1667-17
	Expt P A-TNL-78 12 79	0.0+0	3.0+1		. SAME AS ORO-1667-17
	Expt P ERDA-NDC-3 288 576	6.3+0	3.0+1	Purser+	NDG. 100 MASS DISTRIBUTIONS.
	Expt P ERDA-NDC-2 177 575	5.0+0	1.3+1	Purser+	NDG. 35 MASS DISTRIBUTIONS.
4849	CCP Revv R YK- 18 3 75	1.2+1	8.5+1	Lbov+	TBL. A=75-159. Z=34-54.
	Revv R INDC(CCP)-70 2 176	NDG			.TRANSLATION OF ABSTRACT OF YK-18.3(75)
²³⁵ U(p,fission)mass distribution prompt σ(E)					
4850	TNL Expt A DA/B 39 4433 379	6.2+0	3.0+1	Epperson+	NDG. FIRST-CHANCE FISS.
	Theo P ORO-1667-17107 79	6.2+0	3.0+1	Cusson+	NDG. FIRST CHANCE-FISSION.
	Theo P A-TNL-78 107 79	6.2+0	3.0+1		. SAME AS ORO-1667-17
	Expt A BAP 23 596 478	6.5+0	3.0+1	Epperson+	NDG.DED. SINGLE FISSIONING YLD
²³⁵ U(p,x)isotopic distribution spallation σ(E)					
4851	MRY Expt A BAP 21 583 76	1.0+2		Schuster+	NDG
²³⁵ U(p,fission)isotopic distribution cumulative fission yield					
4852	CCP Revv R YK- 18 3 75	1.2+1	8.5+1	Lbov+	TBL. A=75-159. Z=34-54.
	Revv R INDC(CCP)-70 2 176	NDG			.TRANSLATION OF ABSTRACT OF YK-18.3(75)
²³⁶ U(p,fission) σ(E)					
4853	INU Theo J JPGL 3 109 577	1.2+1	1.9+1	Ndefru+	CURV. FRM BOYCE THESIS(DUKE,72)
²³⁶ U(p,fission)mass distribution cumulative fission yield					
4854	TNL Expt P DOE-NDC-15 219 479	6.2+0	3.0+1	Cusson+	NDG. FROM ENERGY CORRELATIONS.
	Expt A DA/B 39 4433 379	6.2+0	3.0+1	Epperson+	NDG. FROM FF ENERGY-CORR. MEA
	Expt P ORO-1667-17 12 79	0.0+0	3.0+1	Epperson+	NDG. 100 MASSES.ANAL. IN PROG
	Theo P ORO-1667-17107 79	6.2+0	3.0+1	Cusson+	NDG. ANALYSIS OF MASS DIST.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{235}\text{U}(\text{p}, \text{fission})$ mass distribution cumulative fission yield					
4854	TNL Expl P A-TNL-78	12 79	0.0+0	3.0+1	SAMF AS ORO-1667-17
	Theo P A-TNL-78	107 79	6.2+0	3.0+1	SAME AS ORO-1667-17
	Expl P ERDA-NDC-3	288 576	6.3+0	3.0+1	Purser+ NDG. 100 MASS DISTRIBUTIONS.
	Expl P ERDA-NDC-2	177 575	5.0+0	1.3+1	Purser+ NDG. 35 MASS DISTRIBUTIONS.
$^{235}\text{U}(\text{p}, \text{fission})$ mass distribution prompt $\sigma(E)$					
4855	TNL Expl A DA/B	39 4433 379	6.2+0	3.0+1	Epperson+ NDG. FIRST-CHANCE FISSION.
	Theo P ORO-1667-17	107 79	6.2+0	3.0+1	Cusson+ NDG. FIRST CHANCE-FISSION.
	Theo P A-TNL-78	107 79	6.2+0	3.0+1	SAME AS ORO-1667-17
	Expl A BAP	23 596 478	6.5+0	3.0+1	Epperson+NDG.DED. SINGLE FISSIONING YLO
$^{238}\text{U}(\text{p}, \text{fission})$ $\sigma(E)$					
4856	ETH Expl P A-ETH-76	274 76	3.5+0	1.0+1	Sigrist+ CURV.
4857	BUC Expl J RRP	21 69	1.1+1	1.3+1	Calboreanu+ CURV.
4858	INU Theo J JPLG	3 109 577	1.2+1	1.9+1	Ndefru+ CURV. FRM BOYCE THESIS(DUKE,72)
4859	FSU Expl J JIN	38 969	76	1.6+1	Eaker+ 1.005B.
$^{238}\text{U}(\text{p}, \text{fission})$ $\sigma(E) \times \text{factor}$					
4860	MAN Rev J RPP	39 955	76	4.0+0	3.0+1 Grant. CURV. FISSION. PROB. PR/C 10. 231
$^{238}\text{U}(\text{p}, \text{fission})$ partial delayed ratio $\sigma(E)$					
4861	FEI Expl J YF	27 298 278	7.0+0		Kononov+ ISOMER/PROMPT LT 2E-6
	Expl J SNP	27 162 78	7.0+0		TRANSLATION OF YF 27, 298(1978)
$^{238}\text{U}(\text{p}, \text{fission})$ delayed $\sigma(E)$					
4862	FEI Expl J YF	27 298 278	7.0+0		Kononov+ FRM RAT10. LT 10E-9B.
	Expl J SNP	27 162 78	7.0+0		TRANSLATION OF YF 27, 298(1978)
$^{238}\text{U}(\text{p}, \text{fission})$ partial fission yield $\times \text{factor}$					
4863	FSU Expl J PR/C	20 1055 979	9.5+0	1.7+1	Eaker+ CURV. SYMM/ASYMM FROM CONTOUR
$^{238}\text{U}(\text{p}, \text{fission})$ independent $\sigma(E)$ fission fragments					
4864	FEI Expl J YF	27 298 278	4.0+0	7.0+0	Kononov+ CURV. ANNULAR SI-AU DET.
	Expl J SNP	27 162 78	4.0+0	7.0+0	TRANSLATION OF YF 27, 298(1978)
	Expl 4 EXFORA0024.002	379	4.0+0	7.0+0	5 DATA POINTS.
$^{238}\text{U}(\text{p}, \text{absorption})$ $\sigma(E)$					
4865	IJI Rev J FCY	6 827 75	9.9+1		Nemets+ TBL. FROM CJP 44,1847(1966).
	Rev J SJP	6 325 76	9.9+1		TRANSLATION OF FCY 6, (4), 827(1975).
$^{238}\text{U}(\text{p}, 2n + \text{fission})$ partial delayed ratio $\sigma(E)$					
4866	MIL Expl J PR/C	16 1919 N77	9.8+0	1.3+1	Migneco+ CURV.
$^{238}\text{U}(\text{p}, x)\gamma$ thick target yield					
4867	CCP Expl R YK- 21	73 76	1.2+1	2.3+1	Malusevich+ CURV. TBL. THETA = 0 DEG.
	Expl R INDC(CCP)-103	577	1.2+1	2.3+1	TRANSLATION OF T. OF C.(YK 21,73(1976)
$^{238}\text{U}(\text{p}, \text{fission})n$ prompt γ					
4868	MCG Expl J CJC	54 2349 876	2.0+1	8.5+1	Sarkar+ TBL. TOT., PREFIS. CASC + EVAP.
$^{238}\text{U}(\text{p}, x)^3\text{H}$ thick target yield					
4869	BRK Expl J PR	120 1354 60	3.2+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expl J PR	107 1311 57	3.2+1		SOME EXPERIMENTAL DETAILS.
	Expl 4 EXFORB0080.010	D78	3.2+1		(6.91+-0.69)MB.
4870	KFK Comp B PH-DAT	15 2 D79	3.2+1		Muenzel+ TBL. FROM EXFOR.
$^{238}\text{U}(\text{p}, x)^3\text{H}$ product yield					
4871	BRK Expl J PR	120 1354 60	3.2+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expl J PR	107 1311 57	3.2+1		SOME EXPERIMENTAL DETAILS.
	Expl 4 EXFORB0080.010	D78	3.2+1		(6.50E-5+-10PERCENT)T/INCIDENT P.
4872	KFK Comp B PH-DAT	15 2 D79	3.2+1		Muenzel+ TBL. FROM EXFOR.
$^{238}\text{U}(\text{p}, x)^{61}\text{Cu}$ cumulative $\sigma(E)$					
4873	ANL Expl J PR/C	8 775 73	1.2+4		Chang+ TBL. DEPLETED FOIL.
	Expl 4 EXFORB0029.002	977	1.2+4		(0.37+-0.07)MB.
4874	KFK Comp B PH-DAT	15 1 D79	1.2+4		Muenzel+ TBL. FROM EXFOR.
$^{238}\text{U}(\text{p}, x)^{64}\text{Cu}$ independent $\sigma(E)$					
4875	ANL Expl J PR/C	8 775 73	1.2+4		Chang+ TBL. DEPLETED FOIL.
	Expl 4 EXFORB0029.003	977	1.2+4		(2.9+-0.2)MB.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{238}\text{U}(p,x)^{64}\text{Cu}$			independent $\sigma(E)$
4876	KFK Comp B PH-DAT	15	1 079	1.2+4	Muenzel+ TBL. FROM EXFOR.
		$^{238}\text{U}(p,x)^{67}\text{Cu}$			cumulative $\sigma(E)$
4877	ANL Expt J PR/C	8	775	73 1.2+4	Chang+ TBL. DEPLETED FOIL.
	Expt 4 EXFORB0029.004	977	1.2+4		. (2.9+-0.2)MB.
4878	KFK Comp B PH-DAT	15	1 079	1.2+4	Muenzel+ TBL. FROM EXFOR.
		$^{238}\text{U}(p,\text{fission})^{77}\text{As}$			partial cumulative $\sigma(E)$
4879	MCG Expt J CJC	55	3609	077 3.5+1 8.5+1	Galinier+ TBL. CURV. CHEMICAL SEP.
		$^{238}\text{U}(p,x)^{103}\text{Pd}$			product yield
4880	NAL Expt J PR/C	9	1138	374 3.0+5	Chang+ TBL. EFFECT OF TAR THICK. ON SIG
		$^{238}\text{U}(p,x)^{105}\text{Ag}$			product yield
4881	NAL Expt J PR/C	9	1138	374 3.0+5	Chang+ TBL. EFFECT OF TAR THICK. ON SIG
		$^{238}\text{U}(p,x)^{106}\text{Ag}$			product yield
4882	NAL Expt J PR/C	9	1138	374 3.0+5	Chang+ TBL. EFFECT OF TAR THICK. ON SIG
		$^{238}\text{U}(p,x)^{111}\text{Ag}$			product yield
4883	NAL Expt J PR/C	9	1138	374 3.0+5	Chang+ TBL. EFFECT OF TAR THICK. ON SIG
		$^{238}\text{U}(p,\text{fission})^{113}\text{Ag}$			$\sigma(E) \times \text{factor}$
4884	CCP Revv R YK- 18	3	75 5.0+0	1.0+2	Lbov+ CURV. RATIO AG113/BA139.
	Revv R INDC(CCP)-70	2	176	NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)
		$^{238}\text{U}(p,\text{fission})^{117}\text{In}$			ratio $\sigma(E)$
4885	MCG Expt J CJC	54	2349	876 2.0+1 8.5+1	Sarkar+ TBL.
		$^{238}\text{U}(p,\text{fission})^{120}\text{In}$			product yield
4886	MCG Expt A BAP	22	595	477 1.0+2	Cheung+ NDG. T1/2=48 SEC.
		$^{238}\text{U}(p,\text{fission})^{122}\text{In}$			product yield
4887	MCG Expt A BAP	22	595	477 1.0+2	Cheung+ NDG. T1/2=11 SEC.
		$^{238}\text{U}(p,\text{fission})^{124}\text{In}$			product yield
4888	MCG Expt A BAP	22	595	477 1.0+2	Cheung+ NDG. T1/2=3.9 SEC.
		$^{238}\text{U}(p,\text{fission})^{128}\text{I}$			raw $\sigma(E)$
4889	MCG Expt J JIN	38	365	76 1.7+1	Diksic+ NO ISOMER FOUND(T1/2=15-250D).
		$^{238}\text{U}(p,\text{fission})^{139}\text{Ba}$			$\sigma(E) \times \text{factor}$
4890	CCP Revv R YK- 18	3	75 5.0+0	1.0+2	Lbov+ CURV. RATIO AG113/BA139.
	Revv R INDC(CCP)-70	2	176	NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)
		$^{238}\text{U}(p,2n)^{237}\text{Np}$			$\sigma(E)$
4891	FSU Expt J INC	14	1 78	1.1+1 1.7+1	Kandil. CURV. DEPLETED U. O-M CALC.
		$^{238}\text{U}(p,2n)^{237}\text{Np}$			ratio $\sigma(E)$
4892	MIL Expt C 77TOKYO	751	977	9.8+0 1.2+1	Migneco+ CURV. STUDY OF FISSION ISOMERS
		$^{238}\text{U}(p,n)^{238}\text{Np}$			$\sigma(E)$
4893	FSU Expt J INC	14	1 78	1.2+1 1.8+1	Kandil. CURV. DEPLETED U. O-M CALC.
		$^{238}\text{U}(p,x)\text{charge distribution}$			spallation $\sigma(E)$
4894	ANL Revv C 75MRYLND	329	75	5.5+3	Schiffer. TBL. AR.O,HE. PR/C 3.882
		$^{238}\text{U}(p,\text{fission})\text{charge distribution}$			$\sigma(E)$
4895	MCG Expt J JIN	39	1915	77 3.0+1 9.8+1	Chan+ TBL. SUM OF SIGMAS FOR 17 IN ISOT
	Expt J JIN	39	1915	77 9.8+1	Chan+ TBL. SUM OF SIGMAS FOR 7 GA ISOTO
		$^{238}\text{U}(p,\text{fission})\text{mass distribution}$			$\sigma(E)$
4896	MCG Expt J JIN	39	1497	77 5.0+1	Galinier+ CURV. A=146-157
		$^{238}\text{U}(p,\text{fission})\text{mass distribution}$			cumulative $\sigma(E)$
4897	MCG Expt J JIN	39	1497	77 2.0+1 8.5+1	Galinier+ CURV. A=120-162.
		$^{238}\text{U}(p,\text{fission})\text{mass distribution}$			cumulative fission yield
4898	CCP Revv R YK- 18	3	75 7.1+0	1.0+2	Lbov+ CURV. TBL. A=75-161.
	Revv R INDC(CCP)-70	2	176	NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
²³⁸ U(p,fission) mass distribution cumulative fission yield						
4899	TUE Revw J ZP/A	278 15 76	1.2+1	2.2+1	Gonnenwein+	CURV AS FUNCTION OF FF MASS
²³⁸ U(p,fission) mass distribution $\sigma(E) \times \text{factor}$						
4900	BUC Expt J RRP	21 69 76	1.1+1	1.3+1	Calboreanu+	CURV. RATIO A=99 TO 112/135
²³⁸ U(p,fission) mass distribution chain fission yield						
4901	CHI Expt J JIN	34 1485 72	4.5+2		Panontin+	TBL. A=105-129. CH YLD.
²³⁸ U(p,inelastic+fission) mass distribution $\sigma(E)$						
4902	TNL Expt P ORO-1667-17	12 79	1.4+1		Epperson+	NDG. TEST RUN.
²³⁸ U(p,x) isotopic distribution cumulative $\sigma(E)$						
4903	KFK Comp B PH-DAT	15 1 079	1.0+3	3.0+5	Muenzel+	TBL. FROM EXFOR.
4904	BNL Expt J PR/C	8 1091 73	1.2+3		Yu+	TBL. CURV. FISSION+SPALLATION.
	Expt 4 EXFORB0012.	076	1.2+3			CUM YLD. 18 ISO. Z=53-56. A=122-136.
4905	NAL Expt J PR/C	9 1138 374	1.2+4	3.0+5	Chang+	TBL. FISSION+SPALLATION.
	Expt 4 CHANG+	74	1.2+4			TBL. IN PR/C 9, 1138. FISSION+SPALLAT
	Expt 4 EXFORB0026.	77	1.2+4	3.0+5		30 POINTS. 21 ISO. Z=20-73. A=45-177.
²³⁸ U(p,x) isotopic distribution independent $\sigma(E)$						
4906	KFK Comp B PH-DAT	15 1 079	1.0+3	3.0+5	Muenzel+	TBL. FROM EXFOR.
4907	BNL Expt J PR/C	8 1091 73	1.2+3		Yu+	TBL. CURV. FISSION+SPALLATION.
	Expt 4 EXFORB0012.	076	1.2+3			IND YLD. 16 ISO. Z=53,54. A=122-130.
4908	NAL Expt J PR/C	9 1138 374	1.2+4	3.0+5	Chang+	TBL. FISSION+SPALLATION.
	Expt 4 CHANG+	74	1.2+4			TBL. IN PR/C 9, 1138. FISSION+SPALLAT
	Expt 4 EXFORB0026.	77	1.2+4	3.0+5		16 POINTS. 9 ISOMERS. Z=27-56. A=57-135
²³⁸ U(p,fission) isotopic distribution cumulative fission yield						
4909	CCP Revw R YK-	18 3 75	1.1+0	1.0+2	Lbov+	TBL. A=82-157. Z=35-63.
	Revw R INDC(CCP)-70 2	176	NDG			TRANSLATION OF ABSTRACT OF YK-18.3(75)
4910	BUC Expt J RRP	21 69 76	1.1+1	1.3+1	Calboreanu+	CURV.
4911	FSU Expt J JIN	38 969 76	1.6+1		Eaker+	TBL. CURV. Z=35-60. A=84-149.
4912	MCG Expt J JIN	39 1497 77	2.0+1	8.5+1	Galinier+	CURV. N/Z=1.43-1.48
4913	MCG Expt J CJC	54 2349 876	2.0+1	8.5+1	Sarkar+	TBL. Z=46-49. A=111,112,115,117
	Expt J CJC	54 2349 876	2.0+1	8.5+1	Sarkar+	CURV. N/Z=1.30-1.60.
4914	MCG Expt J JIN	39 1915 77	3.0+1	9.8+1	Chan+	TBL. CURV. 17 IN + 7 GA ISOTOPES
²³⁸ U(p,fission) isotopic distribution cumulative $\sigma(E)$						
4915	MCG Expt J CJC	54 2349 876	2.0+1	8.5+1	Sarkar+	TBL.
4916	MCG Expt J CJC	55 3609 077	3.5+1	8.5+1	Galinier+	TBL. CURV. CHEMICAL SEP.
4917	KFK Comp B PH-DAT	15 1 079	4.5+2		Muenzel+	TBL. FROM EXFOR.
4918	CHI Expt J JIN	34 1485 72	4.5+2		Panontin+	TBL. CURV. Z=47-51. A=105-129
	Expt 4 EXFORB0014.	076	4.5+2			CUM YLD. 19 ISOMERS.
4919	CHI Expt J JIN	30 2017 68	4.5+2		Panontin+	TBL. Z=46,47,49. A=103-112.
	Expt 4 EXFORB0019.	076	4.5+2			CUM YLD. 7 ISOMERS.
²³⁸ U(p,fission) isotopic distribution independent $\sigma(E)$						
4920	MCG Expt J CJC	54 2349 876	2.0+1	8.5+1	Sarkar+	TBL.
4921	MCG Expt J CJC	55 3609 077	3.5+1	8.5+1	Galinier+	TBL. CURV. CHEMICAL SEP.
4922	KFK Comp B PH-DAT	15 1 079	4.5+2		Muenzel+	TBL. FROM EXFOR.
4923	CHI Expt J JIN	34 1485 72	4.5+2		Panontin+	TBL. CURV. Z=47-51. A=105-129
	Expt 4 EXFORB0014.	076	4.5+2			IND YLD. 26 ISOMERS.
4924	PUR Expt J JIN	30 2017 68	4.5+2		Panontin+	TBL. PD111M AND AG112
	Expt 4 EXFORB0019.	076	4.5+2			IND YLD. 2 ISOMERS.
²³⁸ U(p,fission) product yield						
4925	INU Theo J JPGL	3 109 577	1.0+0	1.0+1	Ndefru+	MONAZITE. EST. X-RAY PRODUCTION
²³⁸ U(p,x) ²³⁶ U spectrum average product yield $\times$ factor						
4926	RIC Theo J JGR	81 5701 76	SCR		Walton+	TBL. E<200. <Z>=13. 1XU.89%INFRT
	Theo J JGR	81 5701 76	SCR		Walton+	TBL. E<45. <Z>=13. 1XU.99%INERT
²³⁷ Np(p,fission) $\sigma(E)$						
4927	IKO Expt P A-1KO-78	47 78	NDG		Polak+	NDG. ACCEPTED BY JINC.
	Expt P A-1KO-75	50 76	1.2+1	2.6+1	Polak+	NDG.
²³⁷ Np(p,fission) fission yield fission fragments $\times$ factor						
4928	IKO Expt P A-1KO-75	50 76	1.2+1	2.6+1	Polak+	NDG. FISSION YIELD ASYMMETRY.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
237	Np(p,fission)	mass distribution			fission yield
4929	IKO Expt P A-1KO-75	50	76	1.2+1 2.6+1	Polak+ NDG.
237	Np(p,fission)	isotopic distribution			fission yield
4930	IKO Expt P A-1KO-75	50	76	1.2+1 2.6+1	Polak+ NDG.
238	Pu(p,2n)	²³⁷ Am $\sigma(E)$ =factor			
4931	BUC Revv J APH	2	133	77 3.0+0 5.0+0	Poenaru+TBL.SIGMA(I)/SIGMA(F).E=E*-B(2N
239	Pu(p,fission)	¹¹³ Ag $\sigma(E)$ =factor			
4932	CCP Revv R YK- 18	3	75	5.0+0 1.0+2	Lbov+ CURV. RATIO AG113/BA139.
	Revv R INDC(CCP)-70	2	176	NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)
239	Pu(p,fission)	¹³⁹ Ba $\sigma(E)$ =factor			
4933	CCP Revv R YK- 18	3	75	5.0+0 1.0+2	Lbov+ CURV. RATIO AG113/BA139.
	Revv R INDC(CCP)-70	2	176	NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)
239	Pu(p,fission)	isotopic distribution			cumulative fission yield
4934	CCP Revv R YK- 18	3	75	2.0+1 8.5+1	Lbov+ TBL. CS129-CS138 AND XE138
	Revv R INDC(CCP)-70	2	176	NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)
241	Pu(p,2n)	²⁴⁰ g/**Am relative ratio $\sigma(E)$			
4935	BUC Revv J APH	2	133	77 7.8+0 1.1+1	Poenaru. CURV.
241	Pu(p,2n)	²⁴⁰ a/**Am relative ratio $\sigma(E)$			
4936	BUC Revv J APH	2	133	77 1.1+1 1.4+1	Poenaru. CURV.
242	Pu(p,n)	²⁴² a/**Am ratio $\sigma(E)$			
4937	BUC Revv J APH	2	133	77 7.0+0 1.1+1	Poenaru. CURV. FUNC. OF ANG. MOMENTUM.
241	Am(p,fission)	prompt $\sigma(E)$			
4938	KFK Comp B PH-DAT	15	1	079 8.0+0 1.6+1	Muenzel+ TBL. FROM EXFOR.
4939	NBI Exth J NP/A 213	397	73	8.0+0 1.6+1	Metag+ TBL. CURV. ASSUMED ISOTR. DIST.
	Exth 4 EXFORB0007.006	076	8.0+0 1.6+1	. 19 DATA POINTS.	
241	Am(p,fission)	prompt $\sigma(E)$ =factor			
4940	KFK Comp B PH-DAT	15	1	079 8.0+0 1.6+1	Muenzel+ TBL. FROM EXFOR.
4941	NBI Exth J NP/A 213	397	73	8.0+0 1.6+1	Metag+ TBL. CURV. (P,2N)/(P,F).
	Exth 4 EXFORB0007.006	076	8.0+0 1.6+1	. 19 DATA POINTS.	
241	Am(p,2n)	²⁴⁰ Cm $\sigma(E)$			
4942	KFK Comp B PH-DAT	15	1	079 8.0+0 1.6+1	Muenzel+ TBL. FROM EXFOR.
4943	NBI Exth 4 EXFORB0007.002	076	8.0+0 1.6+1	. 19 POINTS. DEDUCED BY COMPILER.	
241	Am(p,2n)	²⁴⁰ Cm $\sigma(E)$ =factor			
4944	KFK Comp B PH-DAT	15	1	079 8.0+0 1.6+1	Muenzel+ TBL. FROM EXFOR.
4945	NBI Exth J NP/A 213	397	73	8.0+0 1.6+1	Metag+ TBL. CURV. (P,2N)/(P,F).
	Exth 4 EXFORB0007.002	076	8.0+0 1.6+1	. 19 DATA POINTS.	
249	Ca(p,inelastic+fission)	$\sigma(E)$ =factor			
4946	LAS Expt P ERDA-NDC-3	95	576	NDG	Brill+ NDG. ANALYSIS IN PROGRESS.
249	Ca(p,inelastic+fission)	$\sigma(E)$ =factor			
4947	LAS Expt J PRL	40	1010	278 5.2+0 7.1+0	Brill+CURV.FISS. PROB. EXC. E IN CN SYS
249	Ca(p,inelastic+fission)	$\sigma(E)$ =factor			
4948	LAS Expt J PRL	40	1010	278 5.1+0 7.1+0	Brill+CURV.FISS. PROB. EXC. E IN CN SYS
250	Cr(p,inelastic+fission)	$\sigma(E)$ =factor			
4949	LAS Expt P ERDA-NDC-3	95	576	NDG	Brill+ NDG. ANALYSIS IN PROGRESS.
252	Cr(p,inelastic+fission)	$\sigma(E)$ =factor			
4950	LAS Expt J PRL	40	1010	278 5.1+0 7.1+0	Brill+CURV.FISS. PROB. EXC. E IN CN SYS
	systematics(p,x)	$\sigma(E)$			
4951	NRL Expt A BAP	24	885	979 5.0+0 1.0+2	Petersen+ NDG. SEMI-EMP. 1 TO 6 PART.
4952	KFK Comp B PH-DAT	15	2	079 +1	+5 Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT	15	1	079 +1	+5 Muenzel+ TBL. FROM EXFOR.
	systematics(p,fission)	$\sigma(E)$			
4953	KFK Comp B PH-DAT	15	1	079 +0 1.1+4	Muenzel+ TBL. FROM EXFOR.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
systematics(p,fission) $\sigma(E)$					
4954	KAZ Expt J YF	26	473	977 2.4+1	3.0+1 Zhukova+ CURV. 15 PREACTINIDES.
	Expt J SNP	26	251	977 2.4+1	3.0+1 . TRANSLATION OF YF 26,473(1977).
systematics(p,absorption) $\sigma(E)=\text{factor}$					
4955	ORL Exth J PRL	39	1604	D77 2.5+0	7.0+0 Johnson+CURV.REDUCED SIGS.89LT A LT130
4956	MNA Expt J NP/A	324	109	779 3.0+1	4.8+1 Abegg+ CURV. FCT=A*2/3. A=10-200.
systematics(p,absorption) $\sigma(E)$					
4957	IJI Revv J FCY	6	827	75 9.9+1	Nemets+ CURV. DEPENDENCE ON A**(2/3).
	Revv J FCY	6	827	75 9.9+0	1.3+2 Nemets+ TBL. Z=4 TO 92.
	Revv J SJPN	6	325	76 9.9+0	1.3+2 . TRANSLATION OF FCY 6,(4),827(1975).
systematics(p,inelastic) partial $\sigma(E)$, γ -factor					
4958	IJI Expt J YF	24	461	976 1.1+0	3.0+0 Krivososov+CURV.Z=22-34.A=46-80.1ST LEV
	Expt J SNP	24	239	77 1.1+0	3.0+0 .TRANSLATION OF YF 24(3), 461(1976).
systematics(p,inelastic) partial $\sigma(E)$, γ					
4959	LRL Expt A BAP	23	13	178 7.0+0	2.6+1 Koopman+ NDG. CFD (N,INL)+OTHER.10 ISOT
	Expt A DA/B	38	2735	D77 7.0+0	2.6+1 Koopman. NDG. GAMMA YLDS. 10 ISOTOPEs.
systematics(p,total) $\sigma(E)$					
4960	IJI Revv J FCY	6	827	75 8.8+0	1.0+2 Nemets+ CURV. DEPENDENCE ON A FOR N1.
	Revv J FCY	6	827	75 6.8+0	6.1+1 Nemets+ CURV. DEPENDENCE ON N FOR Z>=26
	Revv J FCY	6	827	75 8.8+0	1.0+2 Nemets+ CURV. DEPENDENCE ON Z FOR N>=28
	Revv J SJPN	6	325	76 6.8+0	1.0+2 . TRANSLATION OF FCY 6,(4),827(1975).
systematics(p, γ) $\sigma(E)$					
4961	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. EXOERGIC. Z=9-35.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR	1.3+1 Woosley+ CURV. Z=10-30. A=22-70. HAUSER
4962	MOS Revv R PHOTONUCLE	1	78	NDG	Varlanov+ NDG. TBL. 17 PAPERS CITED.
4963	KFK Comp B PH-DAT	15	2	D79 +0	+1 Muenzel+ TBL. FROM EXFOR.
systematics(p,n) $\sigma(E)$					
4964	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. EXOERGIC. Z=9-35.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR	1.3+1 Woosley+ CURV. Z=10-30. A=22-70. HAUSER
4965	KTY Expt P DOE-NDG-15	71	479	TR	6.5+0 Flynn+ NDG. A=88-124. AS STRNGTH FUNCT.
4966	KFK Comp B PH-DAT	15	2	D79 +0	+2 Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT	15	1	O79 +0	+2 Muenzel+ TBL. FROM EXFOR.
4967	ORL Expt P ORNL-2910	25	460	1.2+0	6.0+0 Johnson+ CURV. 4PI NEUTRON DET. 27 TARG
4968	BUC Revv J APH	2	133	77 1.0+1	Poenaru+ TBL. HVY EL. FISS. 150. PRD.
4969	ORL Expt J PR	100	1340	D55 1.2+1	Blosser+ TBL. CURV. 17 TARGETS.20 REACT
4970	PUP Expt J PR	178	1732	269 4.0+2	Church+ TBL. CURV. Z=30-80. A=68-202.
systematics(p,n) $\sigma(E)=\text{factor}$					
4971	ORL Exth J PRL	39	1604	D77 2.5+0	7.0+0 Johnson+CURV.REDUCED SIGS. A=89-130.
4972	PUP Expt J PR	178	1732	269 4.0+2	Church+ CURV. Z=30-80.A=68-202. 2N/N RA
systematics(p,n) ratio $\sigma(E)$					
4973	BUC Revv J APH	2	133	77 1.0+1	Poenaru+ TBL. RAT M/G FISS. PRD.
systematics(p,2n) $\sigma(E)$					
4974	KFK Comp B PH-DAT	15	2	D79 +0	+4 Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT	15	1	O79 +0	+3 Muenzel+ TBL. FROM EXFOR.
4975	BUC Revv J APH	2	133	77 1.0+1	1.4+1 Poenaru+ TBL. HVY EL. FISS. 150. PRD.
4976	PUP Expt J PR	178	1732	269 4.0+2	Church+ TBL. CURV. Z=30-80. A=68-202.
systematics(p,2n) $\sigma(E)=\text{factor}$					
4977	PUP Expt J PR	178	1732	269 4.0+2	Church+ CURV. Z=30-80.A=68-202. 2N/N RA
systematics(p,2n) ratio $\sigma(E)$					
4978	BUC Revv J APH	2	133	77 1.0+1	1.4+1 Poenaru+ TBL. RAT M/G FISS. PRD.
systematics(p,3n) $\sigma(E)$					
4979	KFK Comp B PH-DAT	15	2	D79 +1	+2 Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT	15	1	O79 +1	+2 Muenzel+ TBL. FROM EXFOR.
4980	BUC Revv J APH	2	133	77 2.0+1	Poenaru+ TBL. HVY EL. FISS. 150. PRD.
4981	PUP Expt J PR	178	1732	269 4.1+2	Church+ TBL. Z=29-52. A=59-126.

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
systematics(p,4n) $\sigma(E)$				
4982 KFK Comp B PH-DAT	15 2 079	+1	+2	Muenzel+ TBL. FROM EXFOR.
Comp B PH-DAT	15 1 079	+1	+2	Muenzel+ TBL. FROM EXFOR.
4983 PUP Expt J PR	178 1732 269 4.0+2			Church+ TBL. Z=29-52. A=59-126.
systematics(p,xn) $\sigma(E)$				
4984 CCP Revv J AE	42 311 77 8.0+0	1.1+1		Zatolokin+TBL. ACTIVATION. 21TRGTS. 35PROD
Revv J SJA	42 344 077 8.0+0	1.1+1		. TRANSLATION OF AE 42(4). 311(1977).
4985 NRL Revv J AJ/S	35 137 077 2.0+1	6.0+1		Silberberg+ZLE 83.MONTE-CARLO RECOMMEND
Revv J AJ/S	35 137 077 6.0+1	1.0+3		Silberberg+Z=3-16.DA LE1.AVE(MC,SE).REC
Revv J AJ/S	35 137 077 6.0+1	1.0+3		Silberberg+Z=3-16.DA GT1.SEMIEMP.RECOM.
Revv J AJ/S	35 137 077 6.0+1	1.0+3		Silberberg+Z=17-28.DA=0-3.AVE(MC,SE).REC
Revv J AJ/S	35 137 077 6.0+1	1.0+3		Silberberg+Z=17-28.DA GT3.SEMIEMP.RECOM
Revv J AJ/S	35 137 077 6.0+1	1.0+3		Silberberg+Z=29-83.DALE25.AVE(MC,SE).REC
Revv J AJ/S	35 137 077 6.0+1	1.0+3		Silberberg+Z=29-83.DA GT25.SEMIEMP.REC.
Revv J AJ/S	35 137 077 6.0+1	1.0+3		Silberberg+Z=90-92.SEMIEMPIRICAL.RECOM.
Revv J AJ/S	35 137 077 1.0+3	9.9+9		Silberberg+Z=3-92.SEMIEMPIRICAL.RECOMM.
systematics(p,n+p) $\sigma(E)$				
4986 KFK Comp B PH-DAT	15 2 079	+0	+2	Muenzel+ TBL. FROM EXFOR.
Comp B PH-DAT	15 1 079	+1	+4	Muenzel+ TBL. FROM EXFOR.
systematics(p,2n+p) $\sigma(E)$				
4987 KFK Comp B PH-DAT	15 2 079	+1	+1	Muenzel+ TBL. FROM EXFOR.
Comp B PH-DAT	15 1 079	+1	+1	Muenzel+ TBL. FROM EXFOR.
systematics(p,3n+p) $\sigma(E)$				
4988 KFK Comp B PH-DAT	15 2 079	+1	+1	Muenzel+ TBL. FROM EXFOR.
Comp B PH-DAT	15 1 079	+1	+1	Muenzel+ TBL. FROM EXFOR.
systematics(p,n+2p) $\sigma(E)$				
4989 KFK Comp B PH-DAT	15 2 079	+1	+1	Muenzel+ TBL. FROM EXFOR.
Comp B PH-DAT	15 1 079 2.7+1	5.6+1		Muenzel+ TBL. FROM EXFOR.
systematics(p,n+2p) $\sigma(E)$				
4990 KFK Comp B PH-DAT	15 2 079	+1	+1	Muenzel+ TBL. FROM EXFOR.
systematics(p,2n+2p) $\sigma(E)$				
4991 KFK Comp B PH-DAT	15 2 079	+0	+1	Muenzel+ TBL. FROM EXFOR.
Comp B PH-DAT	15 1 079	+0	+1	Muenzel+ TBL. FROM EXFOR.
systematics(p,3n+2p) $\sigma(E)$				
4992 KFK Comp B PH-DAT	15 2 079	+1	+1	Muenzel+ TBL. FROM EXFOR.
systematics(p,n+a) $\sigma(E)$				
4993 KFK Comp B PH-DAT	15 2 079	+0	+1	Muenzel+ TBL. FROM EXFOR.
systematics(p,xn+2p) $\sigma(E) \times \text{factor}$				
4994 MIL Theo J PR/C	16 1404 077 2.0+1	9.0+1		Gadioli+ CURV. FRACT. EMIS. PROB.
systematics(p,xn+a) $\sigma(E) \times \text{factor}$				
4995 MIL Theo J PR/C	16 1404 077 1.0+1	9.0+1		Gadioli+ CURV. FRACT. EMIS. PROB.
systematics(p,n+3p) $\sigma(E)$				
4996 KFK Comp B PH-DAT	15 2 079	+1	+2	Muenzel+ TBL. FROM EXFOR.
Comp B PH-DAT	15 1 079	+1	+4	Muenzel+ TBL. FROM EXFOR.
systematics(p,xn+3p) $\sigma(E) \times \text{factor}$				
4997 MIL Theo J PR/C	16 1404 077 3.5+1	9.0+1		Gadioli+ CURV. FRACT. EMIS. PROB.
systematics(p,xn+p+a) $\sigma(E) \times \text{factor}$				
4998 MIL Theo J PR/C	16 1404 077 2.9+1	9.0+1		Gadioli+ CURV. FRACT. EMIS. PROB.
systematics(p,xn+4p) $\sigma(E) \times \text{factor}$				
4999 MIL Theo J PR/C	16 1404 077 6.8+1	9.0+1		Gadioli+ CURV. FRACT. EMIS. PROB.
systematics(p,xn+2p+a) $\sigma(E) \times \text{factor}$				
5000 MIL Theo J PR/C	16 1404 077 5.5+1	9.0+1		Gadioli+ CURV. FRACT. EMIS. PROB.
systematics(p,xn+2a) $\sigma(E) \times \text{factor}$				
5001 MIL Theo J PR/C	16 1404 077 3.5+1	9.0+1		Gadioli+ CURV. FRACT. EMIS. PROB.

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
systematics(p,2p) $\sigma(E)$				
5002 KFK Comp B PH-DAT	15 2 079	+1	+1	Muenzel+ TBL. FROM EXFOR.
Comp B PH-DAT	15 1 079	+1	+1	Muenzel+ TBL. FROM EXFOR.
systematics(p, α) partial $\sigma(E)$				
5003 JUL Expt P JUEL-1976	19 76 2.3+1			Rohwer+ CURV. AD GROUP. INTAD. A=11-27.
systematics(p, α) partial $\sigma(E)$ factor				
5004 LYO Expt C 75MRYLND	350 75 4.3+1	6.1+1		Chevarier+ CURV. A=10-210. FCT=A**1/3.
systematics(p, α) $\sigma(E)$				
5005 CAL Theo J AND 22 371 N78 NDG				Woosley+ NDG. EXOERGIC. Z=9-35.
Theo J AND 22 371 N78 NDG				. TBL OF STAT. THERMONUC. REAC. RT. PAR
Theo R OAP-422	875 1.0-1	1.6+1		Woosley+ CURV. Z=10-30. A=22-70. HAUSER
5006 KFK Comp B PH-DAT	15 2 079	+0	+1	Muenzel+ TBL. FROM EXFOR.
Comp B PH-DAT	15 1 079	+0	+1	Muenzel+ TBL. FROM EXFOR.
systematics(p,x) γ $\sigma(E)$				
5007 GSF Eval J AJ/S 40 487 779 3.5+0		1.0+3		Ramaty+ CURV. FOR ASTRO. SITE STUDIES.
Eval R NASA-TM-79654	79 3.5+0	1.0+3		. SAME AS AJ/S 40, 487(1979).
systematics(p,x) γ thick target yield				
5008 CCP Expt R YK- 21 73 76 1.2+1		2.3+1		Malusevich+ CURV. TBL. THETA = 0 DEG.
Expt R INDCICCP)-103	577 1.2+1	2.3+1		. TRANSLATION OF T. OF C. (YK 21,73(1976)
systematics(p,x) isotopic distribution thick target yield				
5009 USA Revw J IRE 26 1729 279		+1		Tilbury+ TBL. RADIOISOTOPE PROD AT SKI.
$^1H(d,total)$ $\sigma(E)$				
5010 HAU Theo J NP/A 300 273 578 1.5+1				Henley. 1700MB OPT.MOD.~
$^1H(d,total)$ $\sigma(E)$ factor				
5011 HAU Theo J NP/A 300 273 578 1.5+1				Henley. TBL. LNG. POL. P. PAR. NONCON ASYM.
$^1H(d,n+p)^1H$ $\sigma(E)$				
5012 IKO Expt J NP/A 261 13 76 2.7+1				Wielinga+ (169+-36)MB
$^2H(d,absorption)$ $\sigma(E)$ factor				
5013 LAS Expt J PR 93 483 54 1.3-2 1.1-1				Arnold+ FACTOR=INCIDENT ENERGY.
Expt 4 EXFOR00018.008	179 1.3-2	1.1-1		. 19 DATA POINTS.
$^2H(d,total)$ $\sigma(E)$				
5014 NOT Theo J PR/C 14 1343 76 5.0+0		1.9+2		Fonseca+ CURV. SPINLESS MODEL.
5015 MIN Expt A BAP 23 500 478 1.8+1				Hegland+ (385+-20)MB FROM PARTIALS.
Expt W ANNUAL REPT 1 77 1.8+1				Hegland+ (379+-8)MB. NEGLCTD A+G CHANN.
$^2H(d,x)n$ $\sigma(E)$				
5016 LRL Expt J NIM 145 185 77 NDG				Zucker+ CURV. E=1-10**3KJ.
$^2H(d,x)n$ thick target yield				
5017 LRL Expt J NIM 145 185 77 NDG				Zucker+ 10**15N/PULSE. PLASMA-FOCUS
5018 VNV Expt J NIM 145 191 77 NDG				Bernard+ DENSE-PLASMA FOCUS DEVICES.
5019 ORL Expt J NIM 145 9 77 2.5-2 3.0-1				Kim. CURV. DRIVEN ON TI,CR,CU
$^2H(d,x)n$ partial $\sigma(E;0)$				
5020 LAS Eval J NSE 67 190 878 6.8+0 1.7+1				Drosg. TBL. 0-DEGREE BREAKUP.
Expt 4 EXFOR0006.005	379 6.8+0	1.7+1		. 6 DATA POINTS. 0 DEG. EXPERIMENTAL.
$^2H(d,x)n$ $\sigma(E;0)$				
5021 LAS Expt J NSE 67 190 78 6.8+0 1.7+1				Drosg. TBL. 0-DEGREE BREAKUP.
Expt J NIM 140 515 77 6.8+0 1.7+1				. REVISED BY DROSG.
Expt 4 EXFOR0006.005	379 6.8+0	1.7+1		. 4 DATA POINTS.
$^2H(d,x)n$ product yield				
5022 ORL Expt R ORNL-TM-7016 079 2.0-2 4.2-2				Kim+ CURV. NEUTRAL BEAM TEST FACILITY.
$^2H(d,3n+x)n$ $\sigma(E)$				
5023 NOT Theo J PR/C 14 1343 76 5.0+0 1.9+2				Fonseca+ CURV. SPINLESS MODEL.
$^2H(d,2n+p)^1H$ $\sigma(E)$				
5024 MIN Expt A BAP 23 500 478 1.8+1				Hegland+ NDG. DE-E ID SYS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^2\text{H}(d,2n+p)^1\text{H}$ $\sigma(E)$						
5024	MIN Expt	W ANNUAL REPT 1	77	1.8+1	Hegland+	(14.8+-7)MB. INT. OVER E/ANG.
$^2\text{H}(d,\text{scattering})^2\text{H}$ $\sigma(E)$						
5025	LAS Eval	W TO NNDC	79	0.0+0	1.0+1	Hale. NDG. R-MATRIX.
5026	NOT Theo	J PR/C 14	1343	76	5.0+0	1.9+2 Fonseca+ CURV. SPINLESS MODEL.
$^2\text{H}(d,\text{elastic})^2\text{H}$ $\sigma(E;\theta)$						
5027	KTY Expt	J NP/A 192	609	72	2.0+0	6.2+0 Schulte+ TBL. E-DE DETECTOR.
	Expt	W PREPRINT	72	2.0+0	6.2+0	. ADDITIONAL DETAILS.
	Expt	4 EXFORC0030.002	N78	2.0+0	6.2+0	. 191 DATA POINTS. 10 ENERGIES.
$^2\text{H}(d,\text{elastic})^2\text{H}$ $\sigma(E;\theta)$ Legendre coefficient expansion						
5028	KTY Expt	J NP/A 192	609	72	2.0+0	6.2+0 Schulte+ TBL.
	Expt	W PREPRINT	72	2.0+0	6.2+0	. ADDITIONAL DETAILS.
	Expt	4 EXFORC0030.007	N78	2.0+0	6.2+0	. 56 DATA POINTS. 10 ES. EVEN COEFF.
$^2\text{H}(d,n+p)^2\text{H}$ $\sigma(E)$						
5029	MIN Expt	A RAP 23	500	478	1.0+1	Hegland+ NDG. DE-E ID SYS.
	Expt	W ANNUAL REPT 1	77	1.8+1	Hegland+	(236+-11)MB. INT. OVER E/ANG.
$^2\text{H}(d,n+p)^2\text{H}$ $\sigma(E;\theta)_n$						
5030	LAS Expt	J PR 99	1050	55	2.3+0	3.6+0 Henkel+ NO LOW-ENERGY NEUTRONS OBSERVED
	Expt	4 EXFORC0039.002	479	2.7+0	3.6+0	. NDG.
$^2\text{H}(d,n+x)^3\text{H}$ $\sigma(E)$						
5031	NOT Theo	J PR/C 14	1343	76	5.0+0	1.9+2 Fonseca+ CURV. SPINLESS MODEL.
$^2\text{H}(d,p)^3\text{H}$ $\sigma(E)$						
5032	LAS Revw	A BAP 24	883	979	NDG	Jarmie. NDG. DISCREP+NEW EXPTS.
	Expt	P DOE-NDC-15	121	479	5.0-2	1.2-1 Jarmie+ NDG. UNDER CONSTRUCTION.
5033	HFA Eval	J JAP 50	5569	979	0.0+0	1.0+0 Peres. GAMOW-FORMULA-PADE EXPANSION.
5034	FSU Theo	J NP/A 275	301	177	0.0+0	4.0-5 Bevelacqua+ CURV. R-MATRIX.
5035	LRL Eval	W TBP UCRL-50400	79	1.0-3	2.0+1	Howerton. NDG. ENDL.
5036	LAS Eval	R LA-UR-79-2896	79	1.0-2	5.0-1	Hale. PREPRINT OF KNOXVILLE PAPER.
	Theo	R LA- 6344-MS	676	5.0-3	3.0+0	Harris+ TBL. CURV. SAMPLE STEEP CODE.
5037	LAS Expt	J PR 93	483	54	1.3-2	1.1-1 Arnold+ SMOOTHED CURVE THROUGH DATA.
	Expt	4 EXFORC0018.005	179	1.3-2	1.1-1	. 19 DATA POINTS.
5038	OXF Expt	J PPSA 69	265	56	5.2-2	8.7-2 Booth+ TBL. INTAD.
	Expt	4 EXFORC0033.005	479	5.2-2	8.7-2	. 2 DATA POINTS.
5039	UI Theo	C 75MASH 2	716	375	2.0-1	1.0+2 Miley+ CURV. SEMI-EMPIRICAL FORMULA.
	Theo	R COO-2218-17	75	1.0-3	9.5+1	Miley+TBL. CURV. SEMI-EMP. ALSO REACTIVITY
5040	LAS Expt	J PR 107	820	857	6.1+0	1.4+1 Brolley+ TBL. INTAD PRESENT+EARLIER WOR
	Expt	4 EXFORC0046.005	379	6.1+0	1.4+1	. 4 DATA POINTS.
5041	MIN Expt	A RAP 23	500	470	1.0+1	Hegland+ NDG. DE-E ID SYS.
	Expt	W ANNUAL REPT 1	77	1.8+1	Hegland+	(62.6+-5)MB. INT. OVER E/ANG.
$^2\text{H}(d,p)^3\text{H}$ $\sigma(E)\times\text{factor}$						
5042	LAS Eval	R LA-UR-79-2896	79	1.0-2	3.5-1	Hale. PREPRINT OF KNOXVILLE PAPER.
5043	LAS Expt	J PR 93	483	54	1.3-2	1.1-1 Arnold+ RATIO D(D,N)/D(D,P)
	Expt	4 EXFORC0018.007	179	1.3-2	1.1-1	. 19 DATA POINTS.
5044	OXF Expt	J PPSA 69	265	56	3.9-2	8.7-2 Booth+ TBL. RATIO D(D,N)/D(D,P).
	Expt	4 EXFORC0033.006	479	5.2-2	8.7-2	. 2 DATA POINTS.
	Expt	4 EXFORC0033.008	479	3.9-2	6.5-2	. 2 DATA POINTS. FROM 48-DEG. DATA.
5045	KTO Expt	J JPJ 46	707	379	1.3+1	Okihana+ TBL. FCT=1/4PI. ALSO EVEN COEF
$^2\text{H}(d,p)^3\text{H}$ $\sigma(E;\theta)\times\text{factor}$						
5046	LAS Expt	J PR 93	483	54	1.3-2	1.1-1 Arnold+ RATIO D(D,N)/D(D,P)
	Expt	4 EXFORC0018.007	179	1.3-2	1.1-1	. 19 DATA POINTS.
5047	OXF Expt	J PPSA 69	265	56	3.9-2	8.7-2 Booth+ TBL. RATIO D(D,N)/D(D,P).
	Expt	4 EXFORC0033.007	479	3.9-2	8.7-2	. 4 DATA POINTS. 4 ENERGIES. 2 ANGLES.
$^2\text{H}(d,p)^3\text{H}$ $\sigma(E;\theta)$ Legendre coefficient expansion						
5048	KTY Expt	J NP/A 192	609	72	2.0+0	6.2+0 Schulte+ TBL.
	Expt	W PREPRINT	72	2.0+0	6.2+0	. ADDITIONAL DETAILS.
	Expt	4 EXFORC0030.006	N78	2.0+0	6.2+0	. 47 DATA POINTS. 10 ES. EVEN COEFF.
5049	LAS Expt	J PR 107	820	857	6.1+0	1.4+1 Brolley+ TBL. PRESENT+EARLIER WORK.
	Expt	4 EXFORC0046.004	379	6.1+0	1.4+1	. 25 DATA POINTS. 4 ENERGIES.
$^2\text{H}(d,p)^3\text{H}$ $\sigma(E;\theta)$ cosine coefficient expansion $\sigma(E;0^\circ)$						
5050	OXF Expt	J PPSA 69	265	56	5.2-2	8.7-2 Booth+ TBL. LEAST-SQUARES FIT.

REFERENCES (cont.)

No.	Lab	Work	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		Type				
			${}^2\text{H}(d,p){}^3\text{H}$ $\sigma(E;\theta)$ cosine coefficient expansion $= \sigma(E;0^\circ)$			
5050	OXF	Expt	4 EXFORC0033.003	479	5.2-2 8.7-2	. 2 DATA POINTS.
			${}^2\text{H}(d,p){}^3\text{H}$ $\sigma(E;\theta)_i$			
5051	KTY	Expt	J NP/A 192	609	72 2.0+0 6.2+0	Schulte+ TBL. ASS. PART. E-DE DETECT.
		Expt	W PREPRINT		72 2.0+0 6.2+0	. ADDITIONAL DETAILS.
		Expt	4 EXFORC0030.002	N78	2.0+0 6.2+0	. 191 DATA POINTS. 10 ENERGIES.
			${}^2\text{H}(d,p){}^3\text{H}$ $\sigma(E;\theta)_p$			
5052	OXF	Expt	J PPSA 69	265	56 3.9-2 8.7-2	Booth+ CURV. THIN GAS TRGT. PROPC. ASSO
5053	KTY	Expt	J NP/A 192	609	72 2.0+0 6.2+0	Schulte+ TBL. E-DE DETECTOR.
		Expt	W PREPRINT		72 2.0+0 6.2+0	. ADDITIONAL DETAILS.
		Expt	4 EXFORC0030.002	N78	2.0+0 6.2+0	. 191 DATA POINTS. 10 ENERGIES.
5054	LAS	Expt	J PR 107	820	857 6.1+0 1.4+1	Brolley+ TBL. GAS IN MULTIPLATE CAMERA.
		Expt	4 EXFORC0046.003	379	6.1+0 1.4+1	. 125 DATA POINTS. 4 ENERGIES.
			${}^2\text{H}(d,p){}^3\text{H}$ $\sigma(E;\theta)$			
5055	OXF	Expt	J PPSA 69	265	56 3.9-2 8.7-2	Booth+ CURV. THIN GAS TRGT. PROPC. ASSO
			${}^2\text{H}(d,p){}^3\text{H}$ $\sigma(E;\theta)_p$ factor			
5056	OXF	Expt	J PPSA 69	265	56 3.9-2 8.7-2	Booth+ D(D,P)/D(D,N).
		Expt	4 EXFORC0033.007	479	3.9-2 8.7-2	. 4 DATA POINTS.
			${}^2\text{H}(d,n){}^3\text{He}$ $\sigma(E)$			
5057	HFA	Eval	J JAP 50	5569	979 0.0+0 1.0+0	Peres. GAMOW-FORMULA-PADE EXPANSION.
5058	UI	Theo	R C00-2218-17		75 1.0-3 9.5+1	Miley+TBL. CURV. SEMI-EMP. ALSO REACTIVITY
5059	LRL	Eval	W TBP UCRL-50400		79 1.0-3 2.0+1	Howerton. NDG. ENDL. ALSO ANG. DIS OF N
5060	LRL	Eval	W TBP UCRL-50400		79 5.0-3 2.0+1	Howerton. NDG. ENDL.
5061	LAS	Eval	R LA-UR-79-2896		79 1.0-2 5.0+1	Hale. PREPRINT OF KNOXVILLE PAPER.
		Theo	R LA- 6344-MS		676 5.0-3 3.0+0	Harris+ TBL. SAMPLE FOR STEEP4 CODE.
5062	LAS	Expt	J PR 93	483	54 1.3-2 1.1-1	Arnold+ SMOOTHED CURVE THROUGH DATA.
		Expt	4 EXFORC0018.006	179	1.3-2 1.1-1	. 19 DATA POINTS.
5063	LAS	Expt	P DOE-NDG-15	121	479 5.0-2 1.2-1	Jarmie+ NDG. UNDER CONSTRUCTION.
		Expt	P DOE-NDG-12	114	478 5.0-2 1.2-1	Jarmie+ NDG. NEW APPARATUS IN CONSTR.
5064	OXF	Expt	J PPSA 69	265	56 5.2-2 8.7-2	Booth+ TBL. INTAD.
		Expt	4 EXFORC0033.004	479	5.2-2 8.7-2	. 2 DATA POINTS.
5065	KTY	Expt	J NP/A 192	609	72 2.0+0 6.2+0	Schulte+ TBL. INTAD.
		Expt	W PREPRINT		72 2.0+0 6.2+0	. ADDITIONAL DETAILS.
		Expt	4 EXFORC0030.005	N78	2.0+0 6.2+0	. 10 DATA POINTS.
5066	LAS	Eval	J NSE 67	190	878 3.0+0 2.5+1	Drosg. TBL. INTAD. ALSO. LEG. COEFF.
		Theo	J NSE 65	553	378 1.0+0 1.0+2	Drosg. CURV. SEMI-EMP. CFD OTHER+ EXP
		Eval	4 EXFORC0003.005	379	3.0+0 2.5+1	. 22 DATA POINTS. RECOMMENDED VALUES.
5067	LRL	Expt	J PR 119	1992	60 5.0+0 1.2+1	Goldberg+ TBL. INTAD.
		Expt	4 EXFORC0043.005	79	5.0+0 1.2+1	. 4 PTS.
5068	MIN	Expt	A BAP 23	500	478 1.8+1	Hegland+ NDG. DE-E 10 SYS.
		Expt	W ANNUAL REPT 1	77	1.8+1	Hegland+ (65.5+-2)MB. INT. OVER E/ANG.
			${}^2\text{H}(d,n){}^3\text{He}$ $\sigma(E)$ factor			
5069	LAS	Eval	R LA-UR-79-2896		79 1.0-2 3.5-1	Hale. PREPRINT OF KNOXVILLE PAPER.
5070	LAS	Expt	J PR 93	483	54 1.3-2 1.1-1	Arnold+ RATIO D(D,N)/D(D,P)
		Expt	4 EXFORC0018.007	179	1.3-2 1.1-1	. 19 DATA POINTS.
5071	OXF	Expt	J PPSA 69	265	56 3.9-2 8.7-2	Booth+ TBL. RATIO D(D,N)/D(D,P).
		Expt	4 EXFORC0033.006	479	5.2-2 8.7-2	. 2 DATA POINTS.
		Expt	4 EXFORC0033.008	479	3.9-2 6.5-2	. 2 DATA POINTS. FROM 48-DEG. DATA.
5072	LAS	Eval	J NSE 67	190	878 1.0+0 1.0+2	Drosg. CURV. REDUCED FORM.
5073	KTO	Expt	J JPJ 46	707	379 1.3+1	Okihana+ TBL. FCT=1/4PI. ALSO EVEN COEF
			${}^2\text{H}(d,n){}^3\text{He}$ $\sigma(E;\theta)$			
5074	BNL	Revw	C 63HOUSTO	3	63 1.0-1 1.4+1	Goldberg. CURV. 6 REF. 0-DEG.
		Revw	C 63HOUSTO	3	63 5.0+0 1.4+1	Goldberg. CURV. NORMALIZED TO 0-DEG
5075	KTY	Expt	J NP/A 192	609	72 2.0+0 6.2+0	Schulte+ TBL. NE213 SCINT.
		Expt	W PREPRINT		72 2.0+0 6.2+0	. ADDITIONAL DETAILS.
		Expt	4 EXFORC0030.003	N78	2.0+0 6.2+0	. 40 DATA POINTS. 10 ENERGIES.
			${}^2\text{H}(d,n){}^3\text{He}$ $\sigma(E;\theta)$ Legendre coefficient expansion			
5076	BNL	Revw	C 63HOUSTO	3	63 1.8+0 1.4+1	Goldberg. CURV. EVFN COEFF. 0-10.
5077	KTY	Expt	J NP/A 192	609	72 2.0+0 6.2+0	Schulte+ TBL. FRM ASS. PART.+N DETECTIO
		Expt	W PREPRINT		72 2.0+0 6.2+0	. ADDITIONAL DETAILS.
		Expt	4 EXFORC0030.004	N78	2.0+0 6.2+0	. 47 DATA POINTS. 10 ES. EVEN COEFF.
5078	LRL	Expt	J PR 119	1992	60 5.0+0 1.2+1	Goldberg+ TBL.
		Expt	4 EXFORC0043.004	79	5.0+0 1.2+1	. 24 PTS. 0-10 EVEN COEFFICIENTS.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^2\text{H}(d,n)^3\text{He}$ $\sigma(E;\theta)$ Legendre coefficient expansion						
5079	LAS	Expt	J PR 107 820 857	5.8+0	1.4+1	Broiley+ TBL. PRESENT+EARLIER WORK.
		Expt	4 EXFORC0046.006 379	5.8+0	1.4+1	. 31 DATA POINTS. 5 ENERGIES.
$^2\text{H}(d,n)^3\text{He}$ polarization(E; θ)						
5080	NRL	Expt	J NP/A 108 250 68	6.0-2	3.8-1	Behof+ TBL. THICK ICE TARGET. HE GAS SC
		Expt	4 EXFORC0028.003 79	3.4-1		. 8 PTS.
		Expt	4 EXFORC0028.002 79	6.0-2	3.8-1	. 17 PTS AT 47 DEG.
5081	EDG	Expt	J NIM 158 153 79	1.1-1	2.0-1	Galloway+ TBL. MOTT-SCHWINGER POLAR.
		Expt	4 EXFORC0052.002 79	1.1-1	2.0-1	. 6 PTS AT 45 DEG. 2 PTS AT 130 DEG.
5082	GRN	Expt	J NP 6 141 58	2.0-1	5.0-1	Pasma. TBL. HE4 ANALYZER.
		Expt	4 EXFORC0044.002 79	2.0-1	5.0-1	. 6 PTS AT 47 DEG.
5083	VIR	Expt	J CJP 50 783 72	8.7-1	5.0+0	Smith+ TBL. D2 GAS CELL.
		Expt	J NP/A 169 131 71	NDG		. DETECTOR DESCRIPTION.
		Expt	4 EXFORC0029.002 179	8.7-1	5.0+0	. 101 POINTS. 8 ENERGIES.
5084	PAD	Expt	J NCL 1 237 69	1.1+0	3.1+0	Origo+ TBL. TI-T TARGET. PROPC. SCATTER
		Expt	4 EXFORC0034.002 479	1.1+0	3.1+0	. 6 DATA POINTS. 3 ENERGIES. 6 ANGLES.
$^2\text{H}(d,n)^3\text{He}$ $\sigma(E;\theta)_n$						
5085	UXF	Expt	J PPSA 69 265 56	3.9-2	8.7-2	Booth+ CURV. THIN GAS TRGT. PROPC. ASSO
		Expt	4 EXFORC0033.007 79	3.9-2	8.7-2	. 4 DATA POINTS.
5086	LAS	Eval	J NSE 67 190 878	3.0+0	2.5+1	Drosg. TBL. EXPT. AND RECOM. VALUES.
		Theo	J NSE 65 553 378	1.0+0	1.0+2	Drosg. CURV. SEMI-EMP. CFD OTHER+ EXP
		Expt	4 EXFORC0006.002 379	6.0+0	1.7+1	. 14 DATA POINTS. 0 DEG. EXPERIMENTAL.
		Expt	4 EXFORC0006.003 379	6.0+0	1.7+1	. 147 POINTS. 7 ES. EXPERIMENTAL.
		Expt	4 EXFORC0006.004 379	1.2+1		. 16 DATA POINTS. EXPERIMENTAL.
		Eval	4 EXFORC0003.002 379	3.0+0	2.5+1	. 14 POINTS. 0 DEG. RECOMMENDED VALUES.
		Eval	4 EXFORC0003.004 379	3.0+0	2.5+1	. 22 POINTS. 0 DEG. RECOMMENDED VALUES.
5087	LRL	Expt	J PR 119 1992 60	3.4+0	1.0+1	Goldberg+ TBL. 0 DEGREES.
		Expt	4 EXFORC0043.003 79	3.4+0	1.0+1	. 5 PTS.
5088	KUR	Expt	J AE 16 141 64	4.7+0	1.8+1	Brill+ CURV. ZR-HYDRIDE. TOF. STILBENE.
		Expt	J SJA 16 161 64	4.7+0	1.8+1	. TRANSLATION OF AE 16.141(1954).
		Expt	4 EXFORC0032.002 479	4.7+0	1.8+1	. 10 DATA POINTS. 0-DEGREE.
		Expt	4 EXFORC0012.003 379	7.9+0	1.9+1	. NDG.
$^2\text{H}(d,n)^3\text{He}$ $\sigma(E;\theta)_{3\text{He}}$						
5089	KTY	Expt	J NP/A 192 609 72	2.0+0	6.2+0	Schulie+ TBL. ASS. PART. E-DE DETECT.
		Expt	4 PREPRINT 72	2.0+0	6.2+0	. ADDITIONAL DETAILS.
		Expt	4 EXFORC0030.002 N78	2.0+0	6.2+0	. 191 DATA POINTS. 10 ENERGIES.
5090	LAS	Expt	J PR 107 820 857	5.8+0	1.4+1	Broiley+ TBL. GAS IN MULTIPLATE CAMERA.
		Expt	4 EXFORC0046.003 379	5.8+0	1.4+1	. 71 DATA POINTS. 5 ENERGIES.
5091	LAS	Expt	J PR/C 16 15 777	1.2+1	1.4+1	Jarmie+ TBL. ASSOC. PARTICLE METHOD.
		Expt	J PR/C 4 52 71	1.2+1	1.4+1	. PREVIOUS WORK.
		Expt	4 EXFORC0009.002 379	1.2+1		. 12 DATA POINTS.
		Expt	4 EXFORC0009.003 379	1.4+1		. 9 DATA POINTS.
$^2\text{H}(d,n)^3\text{He}$ $\sigma(E;\theta)$ Legendre coefficient expansion $\sigma(E)/4\pi$						
5092	LAS	Eval	J NSE 67 190 878	3.0+0	2.5+1	Drosg. TBL. EXPT. AND RECOM. VALUES.
		Eval	4 EXFORC0003.003 379	3.0+0	2.5+1	. 21 ENERGIES. 9 EVEN COEFFICIENTS.
$^2\text{H}(d,n)^3\text{He}$ $\sigma(E;\theta)\times\text{factor}$						
5093	LAS	Expt	J PR 93 483 54	1.3-2	1.1-1	Arnold+ RATIO D(D,N)/D(D,P)
		Expt	4 EXFORC0018.007 179	1.3-2	1.1-1	. 19 DATA POINTS.
5094	OXF	Expt	J PPSA 69 265 56	3.9-2	8.7-2	Booth+ TBL. RATIO D(D,N)/D(D,P).
		Expt	4 EXFORC0033.007 479	3.9-2	8.7-2	. 4 DATA POINTS. 4 ENERGIES. 2 ANGLES.
$^2\text{H}(d,n)^3\text{He}$ polarization(E; θ) $\times\text{factor}$						
5095	NRL	Expt	J NP/A 108 250 68	1.2-1		Behof+ TBL. FCT=HE ANALYSING POWER.
		Expt	4 EXFORC0028.004 N78	1.2-1		. (0.01+0.01) AT 45 DEGREES.
$^2\text{H}(d,n)^3\text{He}$ polarization(E; θ) $\sin^2$ coefficient expansion						
5096	PAD	Expt	J NCI 1 237 69	1.1+0	3.1+0	Origo+ TBL. TI-T TARGET. PROPC. SCATTER
		Expt	4 EXFORC0034.003 479	1.1+0	3.1+0	. 6 DATA POINTS. 3 ENERGIES. 2 COEFF.
$^2\text{H}(d,n)^3\text{He}$ $\sigma(E;\theta)$ cosine coefficient expansion $\sigma(E;0^\circ)$						
5097	OXF	Expt	J PPSA 69 265 56	5.2-2	8.7-2	Booth+ TBL. LEAST-SQUARES FIT.
		Expt	4 EXFORC0033.002 479	5.2-2	8.7-2	. 2 DATA POINTS.
$^2\text{H}(d,n)^3\text{He}$ polarization(E; θ) associated Legendre coefficient expansion						
5098	VIR	Expt	J CJP 50 783 72	8.7-1	5.0+0	Smith+ TBL.
		Expt	4 EXFORC0029.003 179	8.7-1	5.0+0	. 11 DATA POINTS. 8ES.

REFERENCES(cont)

No.	Lab	Work	Reference	Emin	Emax	Author.	Comments
		Type		(MeV)	(MeV)		
$^2\text{H}(d,n)^3\text{He}$ relative $\sigma(E;\theta)_0$							
5099	LRL	Expt J PR	119 1992	60	5.0+0	1.2+1	Goldberg+ CURV. TELESCOPE.
		Expt W	GOLOBERG.	79	5.0+0	1.2+1	TBL. NOTES FOR PROG. FAST NEUTRON PHY
		Expt 4	EXFORC0043.002	79	5.0+0	1.2+1	. 72 PTS. 4 ES. 0 TO 89 DEG.
$^2\text{H}(d,n)^3\text{He}$ $\sigma(E;\theta)_0$ x factor							
5100	OXF	Expt J PPSA	69 265	56	3.9-2	8.7-2	Booth+ D(D,P)/D(D,N).
		Expt 4	EXFORC0033.007	479	3.9-2	8.7-2	. 4 DATA POINTS.
$^3\text{H}(d,x)n$ thick target yield							
5101	ORL	Expt J NIM	145 9	77	2.5-2	3.0-1	Kim. CURV. D-T BEAM DRIVEN ON TI, CR, CU
5102	ITL	Expt J NIM	145 19	77	1.6-1		Houssi+ 10**12 N/SEC FOR 200MA.
5103	WIS	Expt J NIM	145 149	77	2.1-1		Chenevert+ (1.8+- .3)10**12N/S. GAS TRGT
5104	LRL	Expt J NIM	145 25	77	4.0-1		Booth+ 6*10**12N/SEC MAXIMUM
5105	RDI	Expt J NIM	145 41	77	5.0-1		Cleland. 3*10**12N/SEC FOR 12MA.
$^3\text{H}(d,x)n$ $\sigma(E)$							
5106	LAS	Expt J NIM	145 127	77	0.0+0	4.0-1	Armstrong+ CURV.
$^3\text{H}(d,\text{scattering})^3\text{H}$ $\sigma(E)$							
5107	LAS	Eval W TO NNDC		79	0.0+0	8.0+0	Hale. NDG. R-MATRIX.
		Eval P ERDA-NDC-2	103 575	NDG			Hale+ NDG. R-MATRIX FIT TO DATA.
$^3\text{H}(d,\text{elastic})^3\text{H}$ $\sigma(E;\theta)$ cosine coefficient expansion							
5108	LAS	Expt J PR	88 425	N52	1.0+1		Allred+ TBL. FIT TO T AND HE3 ELASTIC
		Expt 4	EXFORC0002.004	578	1.0+1		. 7 COEFFICIENTS.
$^3\text{H}(d,\text{elastic})^3\text{H}$ $\sigma(E;\theta) \times k^2$							
5109	MIN	Expt J PR	88 257	052	9.6-1	3.2+0	Stratton+ TBL. SMALL VOLUME CHAMBER.
		Expt 4	EXFORC0015.002	778	9.6-1	3.2+0	. 87 DATA POINTS.
$^3\text{H}(d,\text{elastic})^3\text{H}$ $\sigma(E;\theta)_0$							
5110	MIN	Expt J PR	88 257	052	9.6-1	3.2+0	Stratton+ TBL. SMALL VOLUME CHAMBER.
		Expt 4	EXFORC0015.002	778	9.6-1	3.2+0	. 87 DATA POINTS.
5111	LAS	Expt J PR	88 425	N52	1.0+1		Allred+ TBL. GAS TRGT. PLATE DETECTOR.
		Expt 4	EXFORC0002.002	578	1.0+1		. 39 DATA POINTS.
$^3\text{H}(d,n+p)^3\text{H}$ $\sigma(E;\theta)_0$							
5112	LAS	Expt J PR	99 1050	55	2.3+0	3.7+0	Henkel+ TBL. LONG-COUNTER.
		Expt 4	EXFORC0039.004	479	2.3+0	3.7+0	. 19 DATA POINTS. 0-DEGREES.
$^3\text{H}(d,n)^4\text{He}$ $\sigma(E)$							
5113	LAS	Rev A BAP	24 883	979	NDG		Jarmie. NDG. DISCREP+NEW EXPTS.
		Expt P DOE-NDC-12	114 478	5.0-2	1.2-1		Jarmie+ NDG. NEW APPARATUS IN CONSTR.
5114	HFA	Eval J JAP	50 5569	979	0.0+0	1.0+0	Peres. GAMOW-FORMULA-PADE EXPANSION.
5115	WIS	Rev R UHFOM-331		N79	0.0+0	3.0-1	Barschall. CURV. FROM SC-TM-66-247.
5116	LRL	Eval W TBP UCRL-50400		79	1.0-3	2.0+1	Hewerton. NDG. ENDL. ALSO ANG. DIS OF N
5117	LAS	Expt J PR	93 483	54	7.5-3	1.2-1	Arnold+ ASSOC. PARTICLE AT 90-DEGREES.
		Expt J PR	93 483	54	7.5-3	1.2-1	Arnold+ SMOOTHED CURV.
		Expt R LA- 1479		52	7.5-3	1.2-1	. ADDITIONAL DETAILS AND DATA.
		Expt 4	EXFORC0018.002	179	7.5-3	1.2-1	. 64 DATA POINTS.
		Expt 4	EXFORC0018.003	179	7.5-3	1.2-1	. 22 DATA POINTS. SMOOTHED CURVE.
5118	LAS	Eval W TO NNDC		79	1.0-2	8.0+0	Hale. TAPE. ENDF-LIKE FRMT. 99 POINT
		Eval R LA-UR-79-2896		79	1.0-2	8.0+0	Hale. PREPRINT OF KNOXVILLE PAPER.
		Eval C 78HARHEL 490		78	1.0-2	1.0+0	Dodder+ CURV. R-MATRIX ANALYSIS.
		Theo R LA- 6344-MS		676	3.6-3	1.3+0	Harris+ CURV. PRELIMINARY. STEEP4 CODE.
		Theo R LA- 6344-MS		676	1.0-3	4.0+0	Harris+ TBL. SAMPLE FOR STEEP4 CODE.
		Eval R LA- 5828-MS		175	5.0-3	1.0+0	Stewart+ TBL. R-MATRIX FIT TO DATA.
		Eval R LA- 5828-MS		175	1.0-2	1.0+0	Stewart+ CURV. VARIOUS PRED. AND DATA.
		Expt 4	EXFORD0014.002	379	5.0-3	1.0+0	. 50 DATA POINTS.
5119	IFP	Expt J AE	2 386	57	5.0-2	1.7-1	Davidenko+ CURV. CU65(N,2N) ACTIVATION
		Expt J JNE	6 258	58	5.0-2	1.7-1	. TRANSLATION OF AE 2. 386(1957).
		Expt J SJA	2 474	57	5.0-2	1.7-1	. TRANSLATION OF AE 2. 386(1957).
		Expt 4	EXFORC0036.003	479	5.0-2	1.7-1	. 10 DATA POINTS.
5120	RIC	Expt J PR	88 468	N52	1.1-1		Conner+ TBL. SEVERAL TARGETS.
		Expt 4	EXFORC0008.004	578	1.1-1		. 7 TARGETS AND AVERAGE.
5121	UI	Theo C 75WASH	2 716	375	2.0-1	1.0+2	Miley+ CURV. SEMI-EMPIRICAL FORMULA.
		Theo R COO-2218-17		75	1.0-3	9.5+1	Miley+TBL.CURV.SEMI-EMP.ALSO REACTIVITY
5122	BIR	Expt P UKNDC-P-88	114 678	2.5-1	5.0-1		Walker. NDG. COMPARED METHODS
5123	LAS	Expt J PR	107 1616	957	5.0-1	7.0+0	Bame+ TBL. TELES. INT. LEGENDRE POLY.
		Expt 4	EXFORC0004.002	578	5.0-1	7.0+0	. 14 DATA POINTS.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min}	E _{max}	Author, Comments
		Type		(MeV)	(MeV)	
$^3\text{H}(d,n)^4\text{He}$ $\sigma(E)$						
5124	ORL	Expt J PR	104 421	56 1.5+0	5.8+0	Galonsky+ CURV. INTAD.
		Expt J RSI	27 132	56 1.5+0	5.8+0	. TARGET DESCRIPTION.
		Expt J RSI	27 468	56 1.5+0	5.8+0	. DETECTOR DESCRIPTION.
		Expt J PR	100 1252	55 1.5+0	5.8+0	. PRELIMINARY RESULTS.
		Expt 4 EXFORC0041.005	79 1.5+0	5.8+0		. 6 PTS.
5125	LAS	Eval J NSE	67 190 878	5.0+0	1.9+1	Drosg. TBL. INTAD. ALSO LEG. COEF.
		Expt 4 EXFORC0004.006	379 5.0+0	1.9+1		. 25 DATA POINTS. RECOMMENDED VALUES.
5126	LRL	Expt J PR	122 164	61 6.2+0	1.1+1	Goldberg+ TBL. INTAD.
		Expt 4 EXFORC0042.006	79 6.2+0	1.1+1		. 5 PTS.
5127	LAS	Expt J PR	82 502	51 1.0+1		Brolley+ TBL. INTAD.
		Expt 4 EXFORC0038.004	479 1.0+1			. (48+6)MILLIBARNS AT 10.5 MEV.
$^3\text{H}(d,n)^4\text{He}$ $\sigma(E)=\text{factor}$						
5128	LAS	Eval R LA-UR-79-2896	79 1.0-3	3.5-2		Hale. PREPRINT OF KNOXVILLE PAPER.
		Theo R LA- 6344-MS	676 6.0-4	3.6-2		Harris+ TBL. S-FCT. PRELIMINARY. STEEPH
5129	LAS	Expt J PR	93 483	54 7.5-3	1.2-1	Arnold+ FACTOR = INCIDENT ENERGY.
		Expt R LA- 1479	52 7.5-3	1.7-1		. ADDITIONAL DETAILS AND DATA.
		Expt 4 EXFORC0018.004	179 7.5-3	1.2-1		. 19 DATA POINTS.
5130	CSE	Expt J PL/B	32 99	70 1.0+0		Kosiarz+ RATIO (D,G)/(D,N).
		Expt 4 EXFORC0019.004	79 1.0+0			. .000023.
5131	LAS	Eval J NSE	67 190 878	1.0+0	2.0+1	Drosg. CURV. REDUCED SIGMA.
$^3\text{H}(d,n)^4\text{He}$ $\sigma(E;\theta)$						
5132	BNL	Revw C 63HOUSTO	3 63 8.0-1	1.2+1		Goldberg. CURV. 4 REF. 0-DEGREE.
		Revw C 63HOUSTO	3 63 5.0+0	1.1+1		Goldberg. CURV. NORMALIZED TO 0-DEG.
5133	LAS	Expt J PR/C	7 882 373 1.3+1			Mc-Daniels+ TBL. TOF. GAS TARGET.
		Expt J PR/C	7 882 373 5.0+0	1.6+1		Mc-Daniels+ TBL. INTERPOL. 13.36MEV DAT
		Expt J PR/C	7 882 373 1.0+1	1.6+1		Mc-Daniels+ TBL. DIRECT MEAS. 13.36 MEV
		Expt J PR/C	7 882 373 5.0+0	1.6+1		Mc-Daniels+ TBL. RECOMMENDED VALUES.
		Expt J PR/C	7 882 373 6.0+0	1.5+1		Mc-Daniels+ TBL. RENORM. TELESCOPE DATA
		Expt 4 EXFORC0009.005	578 1.3+1			. 12 DATA POINTS.
		Expt 4 EXFORC0009.006	578 5.0+0	1.6+1		. 12 POINTS. 0-DEGREE. INTERPOLATED.
		Expt 4 EXFORC0009.007	578 5.0+0	1.6+1		. 9 POINTS. 0-DEGREE. DIRECT.
		Expt 4 EXFORC0009.008	578 5.0+0	1.6+1		. 14 POINTS. 0-DEGREE. RECOMMENDED.
		Expt 4 EXFORC0009.009	578 6.0+0	1.5+1		. 8 POINTS. 0-DEGREE. TELESCOPE.
$^3\text{H}(d,n)^4\text{He}$ relative $\sigma(E;\theta)$						
5134	LAS	Expt J PR/C	7 882 373 5.0+0	1.6+1		Mc-Daniels+ TBL. TOF. GAS TARGET.
		Expt 4 EXFORC0009.002	578 5.0+0	1.6+1		. 150 DATA POINTS. 10 ENERGIES.
		Expt 4 EXFORC0009.010	578 1.3+1			. 12 DATA POINTS.
$^3\text{H}(d,n)^4\text{He}$ relative $\sigma(E;\theta)$ Legendre coefficient expansion						
5135	LRL	Expt J PR	122 164	61 6.2+0	1.1+1	Goldberg+ TBL.
		Expt 4 EXFORC0042.005	79 6.2+0	1.1+1		. 45 PTS. 5 ES. 9 COEF.
$^3\text{H}(d,n)^4\text{He}$ polarization(E; θ)						
5136	GRN	Expt J NP	6 141 58 1.0-1	3.0-1		Pasma. TBL. HE4 ANALYZER.
		Expt 4 EXFORC0044.003	79 1.0-1	3.0-1		. 3 PTS AT 45 DEG. APP. 0.
5137	TUE	Expt J ZP	219 32 69 3.0-1	1.8+0		Hentschel. TBL. TI-T HIGH-PRESSURE HE4.
		Expt 4 EXFORC0017.002	778 3.0-1	1.8+0		. 7 DATA POINTS.
5138	BKB	Expt J NP	66 301 65 6.0-1	1.2+0		Boreli+ TBL. HELIUM ANALYZER.
		Expt 4 EXFORC0005.002	578 6.0-1	1.2+0		. 2 DATA POINTS. 30 DEGREES.
5139	VIR	Expt J NP/A	187 433 72 1.0+0	5.0+0		Smith+ TBL. T2 GAS CELL. LIQUID HE ANAL
		Expt 4 EXFORC0037.002	479 1.0+0	5.0+0		. 72 DATA POINTS. 7 ENERGIES.
5140	BER	Expt J NP/A	100 490 67 2.1+0	5.8+0		Busse+ TBL. HE4 ANALYZER.
		Expt 4 EXFORC0007.002	79 2.1+0	5.8+0		. 60 PTS. 10 ENERGIES. 10-160 DEGREES.
5141	LAS	Expt J PRL	25 1040 70 3.9+0	1.5+1		Broste+ TBL. POLARIZATION TRANSFER.
		Expt J PRL	25 1040 70 3.9+0	1.5+1		. ALSO VECTOR POL TRANS., 2ND-RANK EFFIC
		Expt 4 EXFORC0035.002	479 3.9+0	1.5+1		. 6 POINTS. 0-DEGREE. POL. TRANSFER.
		Expt 4 EXFORC0035.004	479 3.9+0	1.5+1		. 6 PTS. VECTOR POL. TRANS., 2ND-RANK EF
5142	CCP	Expt J ZET	47 433 864 8.7+0	1.9+1		Alekseev+ TBL. HE4 ANALYZER.
		Expt J JET	20 287 265 8.7+0	1.9+1		. TRANSLATION OF ZET 47, 433(1968).
		Expt 4 EXFORC0045.002	79 8.7+0	1.9+1		. 12 DATA PTS. 5 AT 19 MEV.
$^3\text{H}(d,n)^4\text{He}$ polarization(E; θ)=factor						
5143	NRL	Expt J NP/A	108 250 68 1.2-1			Behof+ FCT=HE4 ANALYZING POWER.
		Expt 4 EXFORC0028.004	79 1.2-1			. (0.01+-0.01).
5144	LAS	Expt J PRL	25 1040 70 3.9+0	1.5+1		Broste+ TBL. POL(THETA)/SIG(THETA).
		Expt 4 EXFORC0035.003	479 3.9+0	1.5+1		. 6 POINTS. 0-DEGREE. POL. TRANSFER.

REFERENCES(cont)

No.	Lab	Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
$^3\text{H}(d,n)^4\text{He}$ product yield							
5145	AUB	Expt	A BAP 25 125 PRD NDG			Alford+ NDG.	
5146	BIR	Expt	P NEANDC(E)-2028 479 2.5-1 5.0-1			Scott+ CURV. CONT. FLOW V BATH. P. 106	
		Expt	P UKNDC-P-94 106 479 2.5-1 5.0-1			SAME AS NEANDC(E)-202, VOL. 8.	
		Expt	P INDC(UK)-31106 479 2.5-1 5.0-1			SAME AS NEANDC(E)-202, VOL. 8.	
$^3\text{H}(d,n)^4\text{He}$ $\sigma(E;0)$ Legendre coefficient expansion							
5147	LAS	Expt	J PR 107 1616 957 5.0-1 7.0+0			Bame+ TBL. FROM LEGENDRE POLY+SIG(0 DEG	
		Expt	4 EXFORC0004.003 578 5.0-1 7.0+0			. 74 DATA POINTS. 14 ENERGIES.	
5148	VIR	Expt	J NP/A 187 433 72 1.0+0 5.0+0			Smith+ TBL.FRM DATA COMPILED BY BROLLEY	
		Expt	4 EXFORC0037.003 479 1.0+0 5.0+0			. 29 DATA POINTS. 7 ENERGIES.	
5149	BNL	Revw	C 63HOUSTO 3 63 1.8+0 1.2+1			Goldberg. CURV. 0-8 COEFF.	
$^3\text{H}(d,n)^4\text{He}$ $\sigma(E;0)_0$							
5150	LAS	Expt	J PR 107 1616 957 5.0-1 7.0+0			Bame+ TBL. TELES.	
		Expt	J PR 107 1616 957 1.8+0 2.0+0			Bame+ TBL. EXTRAPOLATED LEGENDRE POLY.	
		Expt	J PR 107 1616 957 1.8+0 2.0+0			Bame+ TBL. EXTRAPOLATED LEGENDRE POLY.	
		Expt	4 EXFORC0004. 578 5.0-1 7.0+0			. 15 DATA POINTS. 0 DEGREES. 2 SUBWORKS	
5151	ORL	Expt	J PR 104 421 56 1.1+0 5.0+0			Galonsky+ CURV. ABSOLUTE.	
		Expt	J PR 104 421 56 1.5+0 5.8+0			Galonsky+ CURV. NORMALIZED TO 6-DEG.	
		Expt	J RSI 27 132 56 NDG			. TARGET DESCRIPTION.	
		Expt	J RSI 27 468 56 NDG			. DETECTOR DESCRIPTION.	
		Expt	J PR 100 1252 55 1.5+0 5.8+0			. PRELIMINARY RESULTS.	
		Expt	4 EXFORC0041.004 79 1.1+0 5.0+0			. 48 PTS AT 6 DEG.	
		Expt	4 EXFORC0041.002 79 1.5+0 5.8+0			. 63 PTS. 5 ES. FROM GOLDBERG.	
		Expt	4 EXFORC0041.003 79 2.2+0			. 23 PTS. FROM GOLDBERG.	
5152	KUR	Expt	J AE 16 141 64 4.0+0 1.9+1			Brill+ CURV. ZR-HYDRIDE. TOF. STILBENE.	
		Expt	J SJA 16 161 64 4.0+0 1.9+1			. TRANSLATION OF AE 16.141(1964).	
		Expt	4 EXFORC0032.003 479 4.0+0 1.9+1			. 11 DATA POINTS. 0-DEGREE.	
		Expt	4 EXFORC0012.004 379 7.9+0 1.9+1			. 8 DATA POINTS. FROM NSE 67, 190.	
5153	LAS	Eval	J NSE 67 190 878 5.0+0 1.9+1			Drosg. TBL. EXPT AND RECOM. VALUES.	
		Expt	J NIM 105 573 72 5.0+0 1.9+1			. EXPERIMENTAL DETAILS.	
		Expt	4 EXFORC0007.002 379 7.0+0 1.6+1			. 13 DATA POINTS. 0 DEG. EXPERIMENTAL.	
		Expt	4 EXFORC0004.002 379 6.0+0 1.9+1			. 25 POINTS. 0 DEG. RECOMMENDED VALUES.	
		Expt	4 EXFORC0004.003 379 1.3+1			. 22 DATA POINTS. RECOMMENDED VALUES.	
		Expt	4 EXFORC0004.005 379 5.0+0 1.9+1			. 50 POINTS. 0.180 DEG. RECOMMENDED VAL	
		Expt	4 EXFORC0007. 379 7.0+0 1.6+1			. 88 POINTS. 4 ES. 4 SUBACCS. EXPT.	
5154	LAS	Expt	J PR/C 6 1593 72 5.0+0 1.1+1			Mac-Daniels+ TBL. TOF.	
		Expt	4 EXFORC0008.004 379 5.0+0 1.5+1			. 84 DATA POINTS. 7 ENERGIES.	
		Expt	4 EXFORC0008.003 379 6.0+0 1.1+1			. 5 DATA POINTS. 0 DEGREES.	
5155	LAS	Expt	J PR 119 1649 960 6.1+0 1.4+1			Stewart+ TBL. PLATE DETECTOR.	
		Expt	4 EXFORC0012.003 79 6.1+0 1.4+1			. 93 PTS IN CM. 4 ES.	
5156	LRL	Expt	J PR 122 164 61 6.4+0 1.1+1			Goldberg+ CURV. NORMALIZED TO BAME+.	
		Expt	J PR 122 164 61 6.2+0 1.1+1			Goldberg+ CURV. NORMALIZED TO STEWART+.	
		Expt	W TO NNDC 79 6.2+0 1.1+1			Goldberg. TBL. FOR 63HOUSTON.	
		Expt	4 EXFORC0042. 79 6.2+0 1.1+1			. 9 DATA POINTS. 0 DEGREES. 2 SUBWORKS.	
5157	LAS	Expt	A BAP 13 564 68 7.0+0 1.9+1			Simmons+ NDG. TELESCOPE. 0-DEGREES.	
		Expt	4 EXFORC0011.003 379 7.0+0 1.9+1			. 13 POINTS. FROM NSE 67, 190(1978).	
5158	LAS	Expt	J PR 82 502 51 1.0+1			Brolley+ GAS CELL. PROPC AND TELESCOPE.	
		Expt	4 EXFORC0038.002 479 1.0+1			. 12 DATA POINTS.	
$^3\text{H}(d,n)^4\text{He}$ $\sigma(E;0)$ Legendre coefficient expansions $\sigma(E)/4\pi$							
5159	LAS	Eval	J NSE 67 190 878 5.0+0 1.9+1			Drosg. TBL. EXPT AND RECOM. VALUES.	
		Eval	4 EXFORC0004.004 379 5.0+0 1.9+1			. 25 ENERGIES. 15 COEFFICIENTS.	
$^3\text{H}(d,n)^4\text{He}$ $\sigma(E;0)$ Legendre coefficient expansion/ k^2							
5160	LAS	Expt	J PR/C 7 882 373 5.0+0 1.6+1			Mc-Daniels+ TBL. FRM REL DIS+0-DEG SIG.	
		Expt	4 EXFORC0009.003 578 5.0+0 1.6+1			. 90 DATA POINTS. 10 ENERGIES.	
$^3\text{H}(d,n)^4\text{He}$ $\sigma(E;0)=\text{factor}$							
5161	LAS	Expt	A BAP 4 367 59 4.7-1			Coon+ PREL. (D,G)/(D,N) THICK T TRGT.	
		Expt	4 EXFORC0020.002 078 4.7-1			. 2 DATA POINTS.	
5162	LAS	Expt	J PRL 25 1040 70 3.9+0 1.5+1			Broste+ TBL. POL(THETA)/SIG(THETA).	
		Expt	4 EXFORC0035.003 479 3.9+0 1.5+1			. 6 POINTS. 0-DEGREE. POL. TRANSFER.	
5163	LAS	Expt	J PR/C 7 882 373 1.3+1			Mc-Daniels+ TBL. RATIO D(T,A)/T(D,N).	
		Expt	4 EXFORC0009.005 578 1.3+1			. 12 DATA POINTS.	
$^3\text{H}(d,n)^4\text{He}$ thick target yield							
5164	WIS	Revw	R UWDM-331 N79 0.0+0 3.0-1			Barschall. CURV. FROM SC-TM-66-247.	
5165	IFP	Expt	J AE 2 386 57 4.3-2 1.8-1			Davidenko+ CURV. CU65(N,2N) ACTIVATION.	
		Expt	J JNE 6 258 58 4.3-2 1.8-1			. TRANSLATION OF AE 2, 386(1957).	

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^3\text{H}(d,n)^4\text{He}$ thick target yield					
5165	IFP Expt J SJA	2 474 57	4.3-2	1.8-1	TRANSLATION OF AE 2, 386(1957).
	Expt 4 EXFORC0036.003	479 4.3-2	1.8-1		10 DATA POINTS.
$^3\text{H}(d,n)^4\text{He}$ polarization(E; θ) associated Legendre coefficient expansion					
5166	VIR Expt J NP/A	187 433 72	1.0+0	5.0+0	Smith+ TBL.
	Expt 4 EXFORC0037.004	479 1.0+0	5.0+0		21 DATA POINTS. 7 ENERGIES.
$^3\text{H}(d,n)^4\text{He}$ $\sigma(E;\theta)_0$					
5167	RIC Expt J PR	88 468 N52	1.0-2	1.7+0	Conner+ TBL. SEVERAL TARGETS.
	Expt 4 EXFORC0008.	578 1.0-2	1.7+0		62 DATA POINTS IN TWO SUBWORKS.
5168	MIN Expt J PR	88 261 052	2.2+0		Stratton+ TBL. SMALL VOLUME CHAMBER.
	Expt 4 EXFORC0014.002	778 2.2+0			12 DATA POINTS.
5169	LAS Expt J PR	82 502 51	1.0+1		Brolley+ CFD HE3(D,P) MIN AND MAX.
	Expt 4 EXFORC0038.003	479 1.0+1			3 DATA POINTS.
$^3\text{H}(d,n)^4\text{He}$ relative $\sigma(E;\theta)_0$					
5170	LAS Expt J PR	107 1616 957	5.0-1	7.0+0	Bame+ TBL. TELES.
	Expt 4 EXFORC0008.	578 1.0-2	1.7+0		Bame+ TBL. ASSUMED ISOTROPY.
	Expt J PR	107 1616 957	1.8+0	2.0+0	Bame+ TBL. EXTRAPOLATED LEGENDRE POLY.
	Expt 4 EXFORC0004.005	578 5.0-1	7.0+0		172 DATA POINTS. 14 ENERGIES.
	Expt 4 EXFORC0004.006	578 2.0-1			13 DATA POINTS.
	Expt 4 EXFORC0004.008	578 1.8+0	2.0+0		26 DATA POINTS. 2 ENERGIES.
5171	LRL Expt J PR	122 164 61	6.2+0	1.1+1	Goldberg+ CURV. COUNTER-TELESCOPE.
	Expt W TO NNDC	79 6.2+0	1.1+1		Goldberg. TBL. FOR 63HOUSTON.
	Expt 4 EXFORC0042.002	79 6.2+0	1.1+1		115 PTS. 5 ES.
$^3\text{H}(d,y)^3\text{He}$ $\sigma(E)$					
5172	CSE Expt J PL/B	32 99 70	1.0+0		Kosiara+ FROM 90DEG. IF STRONG FORWARD
	Expt 4 EXFORC0019.003	79 1.0+0			APP 4.8 MICROBARN.
$^3\text{H}(d,y)^3\text{He}$ $\sigma(E)$ factor					
5173	CSE Expt J PL/B	32 99 70	1.0+0		Kosiara+ RATIO (D,G)/(D,N).
	Expt 4 EXFORC0019.004	79 1.0+0			.000023.
$^3\text{H}(d,y)^3\text{He}$ resonance width					
5174	CSE Expt J PL/B	32 99 70	1.0+0		Kosiara+ DERIVED.
	Expt 4 EXFORC0019.005	79 1.0+0			APP 1.5EV.
$^3\text{H}(d,y)^3\text{He}$ relative thick target yield					
5175	MPH Expt J PL	4 198 63	1.5-1	1.3+0	Buss+ CURV. NAI DETECTOR.
	Expt 4 EXFORC0021.002	79 1.5-1	1.3+0		5 PTS. EG=17 MEV.
$^3\text{H}(d,y)^3\text{He}$ relative $\sigma(E)$					
5176	MPH Expt J PL	4 198 63	1.5-1	1.3+0	Buss+ CURV. NORMALIZED TO T(P,G)
	Expt 4 EXFORC0021.003	79 1.5-1	1.3+0		5 PTS. EG=17 MEV.
$^3\text{H}(d,y)^3\text{He}$ direct-interaction relative $\sigma(E)$					
5177	MPH Expt J PL	4 198 63	1.5-1	1.3+0	Buss+ CURV. DERIVED FROM TTY.
	Expt 4 EXFORC0021.004	79 1.5-1	1.3+0		5 PTS. EG=17 MEV.
$^3\text{H}(d,y)^3\text{He}$ compound-nucleus relative $\sigma(E)$					
5178	MPH Expt J PL	4 198 63	1.5-1	1.3+0	Buss+ CURV. DERIVED FROM TTY.
	Expt 4 EXFORC0021.004	79 1.5-1	1.3+0		5 PTS. EG=17 MEV.
$^3\text{H}(d,y)^3\text{He}$ $\sigma(E;\theta)_y$					
5179	LAS Expt A BAP	4 367 59	4.7-1		Coon+ PREL. (D,G)/(D,N) THICK T TRGT.
	Expt 4 EXFORC0020.002	078 4.7-1			2 DATA POINTS.
5180	CSE Expt J PL/B	32 99 70	1.0+0		Kosiara+ SCINTNE226). TOF.
	Expt 4 EXFORC0019.002	79 1.0+0			SIG(90) = (0.45+-0.12)MUB/SR.
$^3\text{He}(d,\text{scattering})^3\text{He}$ $\sigma(E)$					
5181	LAS Eval W TO NNDC	79 0.0+0	1.0+1		Hale. NDG. R-MATRIX.
	Eval P ERODA-NDG-2	103 575 NDG			Hale+ NDG. R-MATRIX FIT TO DATA.
$^3\text{He}(d,\text{elastic})^3\text{He}$ $\sigma(E;\theta)$ cosine coefficient expansion					
5182	LAS Expt J PR	88 425 N52	1.0+1		Allred+ TBL. FIT TO T AND HE3 ELASTIC
	Expt 4 EXFORC0002.005	578 1.0+1			7 COEFFICIENTS.
$^3\text{He}(d,\text{elastic})^3\text{He}$ $\sigma(E;\theta)_0$					
5183	LAS Expt J PR	88 425 N52	1.0+1		Allred+ TBL. GAS TRGT. PLATE DETECTOR.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min}	E _{max}	Author.	Comments
		Type		(MeV)	(MeV)		
$^3\text{He}(d, \text{elastic})^3\text{He} \quad \sigma(E; \theta)_d$							
5183	LAS	Expt	J PR 4 EXFORC0002.003	578	1.0+1		35 DATA POINTS.
$^3\text{He}(d, n+p)^3\text{He} \quad \sigma(E; \theta)_d$							
5184	LAS	Expt	J PR 99 1050	55	2.3+0	Henkel+	TBL. LONG-COUNTER.
		Expt	4 EXFORC0039.005	479	2.3+0		12 DATA POINTS. 0-DEGREES.
$^3\text{He}(d, p)^4\text{He} \quad \sigma(E)$							
5185	HFA	Eval	J JAP 50 5569	979	0.0+0	Peres.	GAMOW-FORMULA-PADE EXPANSION.
5186	LRL	Eval	W TBP UCRL-50400	79	5.0-3	2.0+1	Howerton. NDG. ENDL. ALSO ANG. DIS OF P
5187	LAS	Eval	W TO NNDC	79	1.0-2	8.0+0	Hale. TAPE. ENDF-LIKE FRMT. 90 POINT
		Eval	C 78HARMEL 490	78	5.0-1	1.0+0	Dodder+ CURV. R-MATRIX ANALYSIS.
		Theo	R LA- 6344-MS	676	5.0-3	4.0+0	Harris+ TBL. SAMPLE FOR STEEP CODE.
5188	LAS	Expt	J PR 93 483	54	3.6-2	9.3-2	Arnold+ SMOOTHED CURVE THROUGH DATA.
		Expt	4 EXFORC0018.009	179	3.6-2	9.3-2	9 DATA POINTS.
5189	ALG	Exth	J NC/A 36 95	N76	1.0-1	6.0-1	Allab+ CURV. R-MATRIX CFD OTHER EXPS.
5190	UI	Theo	C 75WASH 2 716	375	4.0-1	1.0+2	Miley+ CURV. SEMI-EMPIRICAL FORMULA.
		Theo	R COO-2218-17	75	1.0-3	9.5+1	Miley+TBL.CURV.SEMI-EMP.ALSO REACTIVITY
5191	LAS	Expt	J PR 119 1649	960	5.9+0	1.4+1	Stewart+ TBL. INTAD.
		Expt	4 EXFORC0012.005	79	5.9+0	1.4+1	5 PTS.
$^3\text{He}(d, p)^4\text{He} \quad \sigma(E; \theta)$ Legendre coefficient expansion							
5192	LAS	Expt	J PR 119 1649	960	5.9+0	1.4+1	Stewart+ TBL.
		Expt	4 EXFORC0012.004	79	5.9+0	1.4+1	37 PTS. SES. 0-6 COEFFICIENTS.
$^3\text{He}(d, p)^4\text{He} \quad \sigma(E) \times \text{factor}$							
5193	LAS	Expt	J PR 93 483	54	3.6-2	9.3-2	Arnold+ FACTOR = INCIDENT ENERGY.
		Expt	4 EXFORC0018.010	179	3.6-2	9.3-2	9 DATA POINTS.
$^3\text{He}(d, p)^4\text{He} \quad \sigma(E; \theta)_p$							
5194	LAS	Expt	J PR 119 1649	960	5.9+0	1.4+1	Stewart+ TBL. PLATE DETECTOR.
		Expt	4 EXFORC0012.002	79	5.9+0	1.4+1	120 PTS IN CH. 5 ES.
$^3\text{He}(d, \gamma)^3\text{Li} \quad \text{partial } \sigma(E)$							
5195	MPH	Expt	J NP/A 112 47	68	1.8-1	1.0+0	Buss+ CURV. PAIR-SPECTROMETER.
		Expt	4 EXFORC0027.004	N78	1.8-1	1.0+0	18 DATA POINTS.
$^3\text{He}(d, \gamma)^3\text{Li} \quad \sigma(E)$							
5196	MPH	Expt	J NP/A 112 47	68	5.8-1		Buss+ TBL. PAIR-SPECTROMETER.
		Expt	4 EXFORC0027.005	N78	5.8-1		(39+-8)MICROBARN.
$^3\text{He}(d, \gamma)^3\text{Li} \quad \text{partial relative } \sigma(E; \theta)$							
5197	MPH	Expt	J NP/A 112 47	68	4.8-1	1.0+0	Buss+ TBL. NA(1).
		Expt	4 EXFORC0027.006	N78	4.8-1	1.0+0	9 DATA POINTS. TWO ENERGIES.
$^3\text{He}(d, \gamma)^3\text{Li} \quad \text{partial } \sigma(E; \theta) \text{ cosine coefficient expansion}$							
5198	MPH	Expt	J NP/A 112 47	68	4.8-1	1.0+0	Buss+ TBL. NA(1).
		Expt	4 EXFORC0027.007	N78	4.8-1	1.0+0	3 DATA POINTS. 2 ES. EVEN COEFF.
$^3\text{He}(d, \gamma)^3\text{Li} \quad \text{raw } \sigma(E; \theta)_\gamma$							
5199	MPH	Expt	J NP/A 112 47	68	6.0+0	1.9+1	Buss+ CURV. HE GAS CELL.
		Expt	4 EXFORC0027.002	N78	6.0+0	1.9+1	50 POINTS. EG=480KEV. 90 DEG.
$^3\text{He}(d, \gamma)^3\text{Li} \quad \text{partial } \sigma(E) \times \text{factor}$							
5200	MPH	Expt	J NP/A 112 47	68	4.8-1	1.0+0	Buss+ TBL. RATIO G.S./1ST-EXCITED.
		Expt	4 EXFORC0027.003	N78	4.8-1	1.0+0	2 DATA POINTS.
$^4\text{He}(d, \text{total}) \quad \sigma(E)$							
5201	MIN	Theo	J NP/A 266 1	76	2.9+0	8.1+1	Lemere+ TBL. RESONATING GROUP.
$^4\text{He}(d, p+\alpha)n \quad \text{product yield}$							
5202	TOK	Expt	P NEANDC(J)-4467	876	8.9+0		Sagara+ NDG. MULTIPLE PROCESSES DOMINAN
$^4\text{He}(d, x)^3\text{H} \quad \sigma(E; \theta)$							
5203	LAS	Expt	J PR 82 786	51	1.0+1		Allred+ CURV. SUM (D,N+P)+(D,P)
		Expt	4 EXFORC0040.003	479	1.0+1		34 POINTS. FROM LA-2014(1957).
$^4\text{He}(d, x)^3\text{H} \quad \sigma(E)$							
5204	LAS	Expt	J PR 82 786	51	1.0+1		Allred+ TBL. SUM (D,N+P)+(D,P).
		Expt	4 EXFORC0040.005	479	1.0+1		(0.3+-0.1)BARN.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
⁴ He(d,scattering) ⁴ He σ(E)						
5205	LAS Eval W TO NNDC		79 0.0+0	1.5+1	Hale.	NDG. R-MATRIX.
⁴ He(d,elastic) ⁴ He σ(E)						
5206	LAS Expt J PR	82 786 51	1.0+1		Allred+ TBL.	INTAD.
	Expt 4 EXFORC0040.004	479 1.0+1				(1.01+0.06)BARNs.
⁴ He(d,elastic) ⁴ He σ(E;θ) _g						
5207	LAS Expt J PR	82 786 51	1.0+1		Allred+ TBL.	PLATE. HE GAS.
	Expt 4 EXFORC0040.002	479 1.0+1				. 68 DATA POINTS.
⁴ He(d,n+p) ⁴ He σ(E)						
5208	ITY Theo J NCL	19 491 77	4.0+0	3.0+1	Osman.	CURV. 3 POTENTIALS CFD EXP.
5209	KTO Expt J JPJ	44 704 378	7.8+0		Kambara+	(290+60)MB. FROM PHASE SHIFTS
⁴ He(d,n+p) ⁴ He σ(E;θ) _n						
5210	LAS Expt J PR	98 1050 55	2.7+0	3.6+0	Henkel+	TBL. LONG-COUNTER.
	Expt 4 EXFORC0039.006	479 2.7+0		3.6+0		. 12 DATA POINTS. 0-DEGREES.
Li(d,x)n thick target yield						
5211	TOH Expt P NEANDC(J)-4460	876 +0			Miyagi+	NDG. YLD FROM 0 + 90DEG SPECTRA
5212	ANL Revw C 77BNL	151 77	6.0+0	3.2+1	Persiani+	CURV.
5213	TNL Expt A 76LOWELL	1476 776	+1		Nelson+	NDG.
Li(d,x) ⁷ Be thick target yield						
5214	FEI Expt J AE	31 157 871	7.5+0	2.2 ⁺	Dmitriev+	CURV. RESIDUAL ACTIVITY.
	Expt J SJA	31 876 71	7.5+0	2.2+1		. TRANSLATION OF AE 31, 157(1971)
	Expt 4 EXFORA0012.003	478 7.5+0	2.2+1			. 5 DATA POINTS
⁶ Li(d,x) product yield						
5215	KFI Expt P INDC(SEC)-5064	176 NDG			Szentpetery.	NDG. WORK BEING PLANNED.
5216	BIR Expt A BAP	21 1337 76	TR	3.0+0	Campbell+	NDG.
⁶ Li(d,total) σ(E) at resonance						
5217	ANL Theo J NP/A	269 61 76	1.3-1	6.7-1	Monahan+	CURV. RES SIGMA R-MATRIX THEORY
⁶ Li(d,total) σ(E)×factor at resonance						
5218	ANL Theo J NP/A	269 61 76	0.0+0	4.7-1	Monahan+	CURV.RES. SIG. REL TO TOT. SIG
⁶ Li(d,total) partial σ(E)×factor						
5219	KOS Expt J NP/A	330 495 N79	0.0+0	2.0-1	Body+	(D,A),(D,N),(D,P)/SUM OF THESE.
⁶ Li(d,x)n σ(E)						
5220	ANL Expt J PR/C	19 592 379	2.0-1	7.8-1	Holland+	TBL. CURV. E INT.
	Expt J PR/C	19 592 379	1.2-1	7.7-1	Holland+	CURV.(SIG(A=3)+SIG(A=4))/P-SIGP
	Expt P ANL-78-66	72 478	1.0-1	9.0-1	Holland+	CURV.
	Expt P ERDA-NDC-2	9 575	2.0-1	7.8-1	Elwyn+	TBL. BREAKUP. EN .GT. 0.5.
	Expt C 75WASH	2 692 375	2.0-1	7.8-1	Elwyn+	TBL. CURV. BREAKUP. EN .GT. 0.5
⁶ Li(d,x)n σ(E)×factor						
5221	ANL Expt J PR/C	19 592 379	2.0-1	7.7-1	Holland+	CURV. RATIO P/N.
	Expt J PR/C	19 592 379	1.2-1	7.7-1	Holland+	CURV.RATIO P/N. FROM A=3,4 MEAS
⁶ Li(d,x) ¹ H σ(E)						
5222	ANL Expt J PR/C	19 592 379	1.2-1	7.7-1	Holland+	TBL. CURV. E INT.
	Expt P ANL-78-66	72 478	1.0-1	9.0-1	Holland+	CURV.
⁶ Li(d,x) ¹ H σ(E)×factor						
5223	ANL Expt J PR/C	19 592 379	2.0-1	7.7-1	Holland+	CURV. RATIO P/N.
	Expt J PR/C	19 592 379	1.2-1	7.7-1	Holland+	CURV.RATIO P/N. FROM A=3,4 MEAS
⁶ Li(d,x) ³ H σ(E)						
5224	ANL Expt P ANL-78-66	72 478	1.0-1	9.0-1	Holland+	CURV.
⁶ Li(d,x) ³ He σ(E)						
5225	ANL Expt P ANL-78-66	72 478	1.0-1	9.0-1	Holland+	CURV.
⁶ Li(d,x) ⁴ He σ(E)						
5226	ANL Expt P ANL-78-66	70 478	1.0-1	1.0+0	Elwyn+	CURV. SIG = 2×SIG(D,A).
	Expt P ANL-78-66	72 478	1.0-1	9.0-1	Holland+	CURV.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
${}^6\text{Li}(d,n+{}^3\text{He}){}^4\text{He} \quad \sigma(E)_n$							
5227	ANL	Expt J PR/C	19	592	379	2.0-1	7.8-1 Holland+ TBL. CONTINUUM. EINT. INTAD.
		Expt P ANL-78-66	72	378	1.0-1	8.5-1	Holland+ CURV. INTAD. NFUTRON CONTINUUM
		Expt P ANL-78-66	72	378	1.0-1	8.5-1	Holland+ SIG=(SIG(A=3)+SIG(A=4))/2-SIG(P
${}^6\text{Li}(d,n+{}^3\text{He}){}^4\text{He} \quad \sigma(E)_{3\text{He}}$							
5228	ANL	Expt P ANL-78-66	72	378	1.0-1	8.5-1	Holland+ NDG. INTAD. DETECTED 3HE.
${}^6\text{Li}(d,n+{}^3\text{He}){}^4\text{He} \quad \sigma(E)_\alpha$							
5229	ANL	Expt P ANL-78-66	72	378	1.0-1	8.5-1	Holland+ NDG. INTAD. DETECTED ALPHAS.
${}^6\text{Li}(d,n+{}^3\text{He}){}^4\text{He} \quad \sigma(E)$							
5230	ANL	Expt J PR/C	19	592	379	1.2-1	8.0-1 Holland+ CURV. FROM N-CONT.+CP DATA.
		Expt P ANL-78-66	72	478	1.0-1	9.0-1	Holland+ CURV.
		Theo J NP/A	269	61	76	2.0-2	1.3-1 Monahan+ CURV. R-MATRIX THEORY.
${}^6\text{Li}(d,p+t){}^4\text{He} \quad \sigma(E)_p$							
5231	ANL	Expt J PR/C	19	592	379	1.2-1	7.7-1 Holland+ TBL. CONTINUUM. EINT. INTAD.
		Expt P ANL-78-66	72	378	1.0-1	8.5-1	Holland+ CURV. INTAD. PROTON CONTINUUM
${}^6\text{Li}(d,p+t){}^4\text{He} \quad \sigma(E)_t$							
5232	ANL	Expt P ANL-78-66	72	378	1.0-1	8.5-1	Holland+ NDG. INTAD. DETECTED TRITONS.
${}^6\text{Li}(d,p+t){}^4\text{He} \quad \sigma(E)_\alpha$							
5233	ANL	Expt P ANL-78-66	72	378	1.0-1	8.5-1	Holland+ NDG. INTAD. DETECTED ALPHAS.
${}^6\text{Li}(d,p+t){}^4\text{He} \quad \sigma(E)$							
5234	LRL	Eval W TBP UCRL-50400	79	1.0-3	2.0+1		Howerton. NDG. ENDL.
5235	ANL	Expt J PR/C	19	592	379	1.2-1	8.0-1 Holland+ CURV. FROM P CONTINUUM
		Expt P ANL-78-66	72	478	1.0-1	9.0-1	Holland+ CURV.
${}^6\text{Li}(d,\alpha){}^4\text{He} \quad \sigma(E)$							
5236	LRL	Eval W TBP UCRL-50400	79	1.0-3	2.0+1		Howerton. NDG. ENDL.
5237	NSW	Eval J PR/C	18	1127	978	3.0-3	1.0+0 Clark+ CURV.
5238	ANL	Expt J PR/C	16	1744	N77	1.0-1	1.0+0 Elwyn+ CURV. INTAD.
		Theo J NP/A	269	61	76	2.0-2	1.3-1 Monahan+ CURV. R-MATRIX THEORY.
		Expt P ANL-78-66	70	478	1.0-1	1.0+0	Elwyn+ CURV. SEE PR/C 16, 1744.
		Theo P ANL-78-96	167	77	2.0-2	5.0-1	Monahan+ CURV. EXTRAPOLATION.
5239	KOS	Expt J NP/A	330	495	N79	1.0-1	1.8-1 Body+ CURV. SSND DETECTORS.
		Expt J NP/A	330	495	N79	1.6-2	Body+ CURV. DEPENDENCE ON RADIUS.
		Expt J NIM	154	557	78	1.0-1	1.8-1 . EXPERIMENTAL DETAILS.
		Expt J NIM	119	451	74	1.0-1	1.8-1 . EXPERIMENTAL DETAILS.
5240	TNL	Expt C 75WASH	2	697	375	2.3+0	6.0+0 Gould+ CURV. INTAD.
${}^6\text{Li}(d,\alpha){}^4\text{He} \quad \sigma(E)=\text{factor}$							
5241	KOS	Expt J NP/A	330	495	N79	0.0+0	2.0-1 Body+ CURV. (D.A)/((D.A)+(D.N)+(D.P))
		Expt J NP/A	330	495	N79	1.6-2	Body+ TBL. S-FCT. VARIOUS PARAMETERS.
5242	NSW	Eval J PR/C	18	1127	978	3.0-3	1.0+0 Clark+ CURV. E+SIG. GAMOW PLOT.
5243	ANL	Theo J PR/C	19	2108	679	1.0-1	3.9+0 Elwyn+ CURV. R-MATRIX ANALYSIS.
${}^6\text{Li}(d,\alpha){}^4\text{He} \quad \text{partial } \sigma(E)$							
5244	ANL	Expt P ANL-78-96	83	77	1.0-1	1.0+0	Elwyn+ NDG. ENERGETIC ALPHAS.
${}^6\text{Li}(d,t){}^3\text{Li} \quad \sigma(E)$							
5245	LRL	Eval W TBP UCRL-50400	79	5.0-3	2.0+1		Howerton. NDG. ENDL.
${}^6\text{Li}(d,\text{scattering}){}^6\text{Li} \quad \sigma(E)$							
5246	TNL	Expt P ERDA-NDC-3	289	576	2.3+0	6.0+0	Gould+ NDG.
${}^6\text{Li}(d,\text{elastic}){}^6\text{Li} \quad \sigma(E)$							
5247	ANL	Expt P ANL-79-40	71	79	-1	2.0+0	Elwyn+ NDG. TO BE MEASURED.
${}^6\text{Li}(d,p){}^7\text{Li} \quad \sigma(E)$							
5248	LRL	Eval W TBP UCRL-50400	79	1.0-3	2.0+1		Howerton. NDG. ENDL.
5249	ANL	Expt J PR/C	16	1744	N77	1.0-1	1.0+0 Elwyn+ CURV. SUM OF G.S. AND .478-LVL.
		Theo J NP/A	269	61	76	2.0-2	1.3-1 Monahan+ CURV. R-MATRIX THEORY.
5250	KOS	Expt J NP/A	330	495	N79	1.0-1	1.8-1 Body+ CURV. SSND DETECTORS.
		Expt J NP/A	330	495	N79	1.6-2	Body+ CURV. DEPENDENCE ON RADIUS.
		Expt J NIM	154	557	78	1.0-1	1.8-1 . EXPERIMENTAL DETAILS.
		Expt J NIM	119	451	74	1.0-1	1.8-1 . EXPERIMENTAL DETAILS.
5251	TNL	Expt P ERDA-NDC-3	289	576	2.3+0	7.5+0	Gould+ NDG. INTAD.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min}	E _{max}	Author.	Comments
Type				(MeV)	(MeV)		
${}^6\text{Li}(d,p){}^7\text{Li}$ partial $\sigma(E)$ factor							
5252	ANL	Theo J	PR/C 19	2108	679	1.0-1	1.0+0 Elwyn+ CURV. G.S. + .478-MEV LVL. R-MAT
		Expt J	PR/C 16	1744	N77	1.0-1	1.0+0 Elwyn+ CURV. RATIO G.S./ .478-LVL.
${}^6\text{Li}(d,p){}^7\text{Li}$ partial $\sigma(E)$							
5253	ANL	Expt J	PR/C 16	1744	N77	1.0-1	1.0+0 Elwyn+ CURV. G.S. AND .478-LVL. INTAD.
		Theo J	NP/A 269	61	76	2.5-2	1.3-1 Monahan+ CURV. R-MATRIX THEORY. P0+P1
		Expt P	ANL-76-96	83	77	1.0-1	1.0+0 Elwyn+ CURV. INTAD. P0 AND P1 GRPS.
		Theo P	ANL-76-96	167	77	2.0-2	5.0-1 Monahan+ CURV. P0+P1 GRP. EXTRAPOLATION
		Expt P	ERDA-NDC-3	21	576	1.0-1	1.0+0 Elwyn+ CURV. G.S. AND 1ST-EXCITED ST.
5254	TNL	Expt C	75WASH	2	697	375	2.3+0 6.0+0 Gould+ CURV. P(0) AND P(1) GRPS.
${}^6\text{Li}(d,p){}^7\text{Li}$ $\sigma(E)$ factor							
5255	KOS	Expt J	NP/A 330	495	N79	0.0+0	2.0-1 Body+ CURV. (D,P)/((D,A)+(D,N)+(D,P))
		Expt J	NP/A 330	495	N79	1.6-2	Body+ TBL. S-FCT. VARIOUS PARAMETERS.
${}^6\text{Li}(d,n){}^7\text{Be}$ $\sigma(E)$							
5256	RIC	Exth A	DA/B 39	1360	978	1.0-6	1.0-1 Biegert. NDG. R-MATRIX.
5257	LRL	Eval W	TBP UCRL-50400	79	1.0-3	2.0+1	Howerton. NDG. ENDL.
5258	KOS	Expt J	NP/A 330	495	N79	1.6-2	Body+ CURV. DEPENDENCE ON RADIUS.
		Exth J	NP/A 289	526	077	1.0-1	1.8-1 Szabo+ CURV. TBL. FROM TTY.
		Exth J	NP/A 289	526	077	1.5-2	3.0-2 Szabo+ TBL. EXTRAPOLATION.
		Exth J	NP/A 289	526	077	1.6-2	Szabo+ TBL. DIFFERENT FORM FCT.+S-FCTS.
5259	ANL	Expt J	PR/C 16	1744	N77	2.0-1	9.0-1 Elwyn+ CURV. SUM OF G.S. AND .430-LVL.
		Theo J	NP/A 269	61	76	2.0-2	1.3-1 Monahan+ CURV. R-MATRIX THEORY.
5260	LAS	Expt W	TO RUBY+	75	2.0-1	2.0+1	Barr+ SMOOTH FUNCTION OF ENERGY.
5261	BRK	Expt J	NSE 71	280	979	3.0-1	9.3-1 Ruby+ TBL. CURV. 478-KEV G DETECTED.
		Expt J	NSE 71	280	979	2.0-1	2.0+1 Ruby+ NDG. PC FROM BARR.
		Expt J	NSE 63	197	677	8.8-1	Ruby+ (89.0+-4.0)MB.
${}^6\text{Li}(d,n){}^7\text{Be}$ partial $\sigma(E)$ factor							
5262	ANL	Theo J	PR/C 19	2108	679	1.0-1	9.0-1 Elwyn+ CURV. G.S. + .430-MEV LVL. R-MAT
		Expt J	PR/C 16	1744	N77	2.0-1	9.0-1 Elwyn+ CURV. RATIO G.S./ .430-LVL.
${}^6\text{Li}(d,n){}^7\text{Be}$ partial $\sigma(E)$							
5263	ANL	Expt J	PR/C 16	1744	N77	2.0-1	9.0-1 Elwyn+ CURV. G.S. AND .430-LVL. INTAD.
		Theo J	NP/A 269	61	76	2.5-2	1.3-1 Monahan+ CURV. R-MATRIX THEORY. ND+NI
		Expt P	ANL-76-96	83	77	1.0-1	1.0+0 Elwyn+ CURV. INTAD. ND AND NI GRPS.
		Expt P	ERDA-NDC-3	21	576	2.0-1	8.7-1 Elwyn+ CURV. G.S. AND .431-STATE.
		Expt P	ERDA-NDC-2	9	575	2.0-1	8.7-1 Elwyn+ TBL. G.S. AND .431-STATE.
		Expt C	75WASH	2	692	375	2.0-1 8.7-1 Elwyn+ TBL. CURV. G.S. AND .431-STATE
${}^6\text{Li}(d,n){}^7\text{Be}$ thick target yield							
5264	KOS	Exth J	NP/A 289	526	077	1.0-1	1.8-1 Szabo+ NDG. ACTIVATION METHOD.
${}^6\text{Li}(d,n){}^7\text{Be}$ $\sigma(E)$ factor							
5265	KOS	Expt J	NP/A 330	495	N79	0.0+0	2.0-1 Body+ CURV. (D,N)/((D,A)+(D,N)+(D,P))
		Expt J	NP/A 330	495	N79	1.6-2	Body+ TBL. CORRECTED EARLIER WORK.
		Exth J	NP/A 289	526	077	1.6-2	Szabo+ TBL. DIFFERENT FORM FCT.+S-FCTS.
${}^6\text{Li}(d,\gamma){}^6\text{Be}$ partial raw $\sigma(E)$							
5266	STB	Expt J	PL/B 65	126	76	6.8+0	7.1+0 Noe+ CURV. NEAR J=0+, T=2 STATE. 9-10.4G
${}^6\text{Li}(d,x)$ mass distribution $\sigma(E)$							
5267	ANL	Expt J	PR/C 19	592	379	1.2-1	7.7-1 Holland+ TBL. A=3.4. E INT.
${}^7\text{Li}(d,x)n$ partial thick target yield							
5268	CRC	Expt J	NIM 143	331	77	1.5+1	2.3+1 Lone+ TBL. INTAD. EN .GT. 0.3 MEV.
${}^7\text{Li}(d,n\alpha){}^4\text{He}$ partial $\sigma(E)$ factor							
5269	IJ	Expt J	IZV 39	1722	75	1.9+0	2.1+0 Grantsev+ APP. 10PRCT DUE TO RESCATTER.
		Expt J	BAS 39	131	76	1.9+0	2.1+0 . TRANSLATION OF IZV 39,1722(75).
${}^7\text{Li}(d,\alpha){}^5\text{He}$ partial $\sigma(E)$							
5270	LIE	Expt J	BSL 46	375	077	2.5-1	1.2+0 Robay+ CURV. INTAD. ALSO LEG.COEFF.
${}^7\text{Li}(d,p){}^8\text{Li}$ $\sigma(E)$							
5271	BYU	Expt J	NP/A 263	389	76	6.1-1	2.0+0 Schilling+ CURV. TBL. MEAS. DELAYED A
${}^7\text{Li}(d,2n){}^7\text{Be}$ $\sigma(E)$							
5272	LRL	Eval W	TBP UCRL-50400	79	5.0+0	2.0+1	Howerton. NDG. ENDL.

REFERENCES(cont)

No.	Lab	Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
⁹ Be(d,absorption) $\sigma(E)$						
5273	IJI	Revu	J FCY 6	827 75	2.2+1 2.5+1	Nemets+ TBL.
		Revu	J SJPN 6	325 76	2.2+1 2.5+1	. TRANSLATION OF FCY 6.(4).827(1975).
⁹ Be(d,x)n partial thick target yield						
5274	CRC	Expt	J NIM 143	331 77	1.5+1 2.3+1	Lone+ TBL. INTAD. EN .GT. 0.3 MEV.
5275	LRL	Expt	J NIM 145	77 77	3.0+1	Logan+ 10**13N/CM**2. EN GT 1 MEV.
⁹ Be(d,x)n thick target yield						
5276	ANL	Revu	C 77BNL	151 77	6.0+0 4.0+1	Persiani+ CURV.
5277	ORL	Expt	J NIM 145	81 77	4.0+1	Saltmarsh+ 2*10**12N/CM**2/5.
⁹ Be(d,x)n thick target yield=factor						
5278	AIN	Expt	J JP/D 10	1715 77	1.5+0 3.0+0	Whittlestone. CURV. E/A INT. PER MICROC
⁹ Be(d,x)n partial raw $\sigma(E)$						
5279	ORL	Expt	J NSE 72	175 N79	2.3+1 2.7+1	Greenwood+ TBL. FROM ACTIVATION FOILS.
⁹ Be(d,x)n raw $\sigma(E)$						
5280	ORL	Expt	J NSE 72	175 N79	2.3+1 2.7+1	Greenwood+ TBL. FROM ACTIVATION FOILS.
⁹ Be(d, α) ⁷ Li partial $\sigma(E)$						
5281	WIT	Expt	A DA/B 37	4022 277	2.4-1 9.5-1	Annegarn. NDG. A0+A1 GROUPS.
5282	IBJ	Expt	J APPB 8	227 77	9.0-1 3.1+0	Siedzinska+ CURV. 200KEV STEPS. INTAD.
5283	KTO	Expt	J JPJ 44	1405 578	1.2+1 1.4+1	Tanaka. TBL. 2 ES. INTAD. A0-A4 GRPS.
⁹ Be(d,n+t) ⁷ Be thick target yield						
5284	FEI	Expt	J AE 31	157 871	2.2+1	Dmitriev+ CURV. RESIDUAL ACTIVITY.
		Expt	J SJA 31	876 71	2.2+1	. TRANSLATION OF AE 31, 157(1971)
		Expt	4 EXFORA0012.007	478 2.2+1		. 1 DATA POINTS.
⁹ Be(d,t) ⁸ Be partial $\sigma(E)$						
5285	WIT	Expt	A DA/B 37	4022 277	2.4-1 9.5-1	Annegarn. NDG. G.S.
5286	KTO	Expt	J JPJ 44	1405 578	1.2+1 1.4+1	Tanaka. TBL. 2 ES. INTAD. T0+T1 GROUP.
⁹ Be(d,p) ¹⁰ Be partial $\sigma(E)$						
5287	WIT	Expt	P INDC(SEC)-61	077 1.0+0		Selischep+ NDG. P. 333
		Expt	A DA/B 37	4022 277	2.4-1 9.5-1	Annegarn. NDG. G.S.
B(d,absorption) $\sigma(E)$						
5288	IJI	Revu	J FCY 6	827 75	1.3+1 2.5+1	Nemets+ TBL.
		Revu	J SJPN 6	325 76	1.3+1 2.5+1	. TRANSLATION OF FCY 6.(4).827(1975).
B(d,x) ⁷ Be thick target yield						
5289	FEI	Expt	J AE 31	157 871	7.0+0 2.2+1	Dmitriev+ CURV. RESIDUAL ACTIVITY.
		Expt	J SJA 31	876 71	7.0+0 2.2+1	. TRANSLATION OF AE 31, 157(1971)
		Expt	4 EXFORA0012.005	478 7.0+0	2.2+1	. 5 DATA POINTS
¹⁰ B(d, 2α) ⁴ He $\sigma(E)$						
5290	LRL	Eval	W TBP UCRL-50400	79 1.0-3	2.0+1	Howerton. NDG. ENDL.
¹⁰ B(d, α) ⁸ Be partial relative $\sigma(E)$						
5291	CBR	Eval	J AUJ 30	113 477	1.6+0 2.2+0	Barker.CURV.R-MAT.2- CONT.TO NORM. SIG.
¹⁰ B(d, α) ⁸ Be $\sigma(E)$						
5292	FLA	Expt	A DA/B 38	5454 578	8.0-1 4.0+0	Griggs. NDG. RESONANCES OBSERVED.
		Expt	A BAP 21	514 76	8.0-1 4.0+0	Griggs+ NDG. OBSERVED STRONG RESONANCES
¹⁰ B(d,inelastic) ¹⁰ B partial $\sigma(E)$						
5293	TOK	Theo	J NP/A 275	342 177	5.0+0 1.3+1	Izumato. CURV. EX=1.74. CC(PERT. APP.)
¹⁰ B(d,p) ¹¹ B $\sigma(E)$						
5294	LRL	Eval	W TBP UCRL-50400	79 1.0-1	2.0+1	Howerton. NDG. ENDL.
¹⁰ B(d,p) ¹¹ B partial $\sigma(E)$						
5295	WIT	Expt	A DA/B 37	4022 277	3.0-1 1.4+0	Annegarn. NDG. P0-P3 GROUPS.
¹⁰ B(d,n) ¹¹ C product yield						
5296	BNL	Revu	J IRE 26	1710 279	NDG	Ruth+ TBL. SURVEY OF DATA RELIABILITY.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{10}\text{B}(d,n)^{11}\text{C}$ $\sigma(E)$						
5297	JUL Comp	J NIM 146 301 077	NDG		Schult.	NDG.
5298	ORL Eval	J IRE 26 1713 279	TR	2.2+1	Wieland+	CURV.
5299	LRL Eval	W TBP UCRL-50400	79 1.0-3	2.0+1	Howerton.	NDG. ENDL.
5300	USA Expt	A BAP 24 886 979	7.5-2	1.7-1	Lent+	NDG.
$^{10}\text{B}(d,n)^{11}\text{C}$ thick target yield						
5301	ORL Eval	J IRE 26 1713 279	TR	2.0+1	Wieland+	CURV. SATUR. YLD. FROM SIGMA.
5302	JUL Rev	C 78HARMEL 667 78 1.0+1			Stocklin+	TBL. SATURATION YLD.
$^{10}\text{B}(d,n)^{11}\text{C}$ $\sigma(E)$ =factor						
5303	HAM Expt	P NEANDC(E)-1925 478	NDG		Kofahl+	CURV.EANDC(E)-157+75WASH.819
$^{11}\text{B}(d,n+2\alpha)^4\text{He}$ $\sigma(E)$						
5304	IJI Expt	J IZV 42 147 78 3.8+0			Grantsev+	NDG. MEASURABLE CROSS SECTION
	Expt	J BAS 42 126 78 3.8+0				. TRANSLATION OF IZV 42(1), 147(1978)
$^{11}\text{B}(d,p)^{12}\text{B}$ $\sigma(E)$						
5305	LRL Eval	W TBP UCRL-50400	79 1.0-1	2.0+1	Howerton.	NDG. ENDL.
$^{11}\text{B}(d,p)^{12}\text{B}$ partial $\sigma(E)$						
5306	WIT Expt	A DA/B 37 4022 277 4.0-1	1.3+0		Annegarn.	NDG. G.S.
$^{11}\text{B}(d,2n)^{11}\text{C}$ $\sigma(E)$						
5307	JUL Comp	J NIM 146 301 077	NDG		Schult.	MAX YLD=400CI/A-MIN.J. RAD. ENV.
$^{11}\text{B}(d,2n)^{11}\text{C}$ $\sigma(E)$ =factor						
5308	HAM Expt	P NEANDC(E)-1925 478	NDG		Kofahl+	CURV.EANDC(E)-157+75WASH.819
$^{11}\text{B}(d,n)^{12}\text{C}$ $\sigma(E)$						
5309	LRL Eval	W TBP UCRL-50400	79 1.0-3	2.0+1	Howerton.	NDG. ENDL.
$^{11}\text{B}(d,x)^{11}\text{C}$ thick target yield						
5310	AML Rev	J IRE 26 2281 479 1.2+1	1.4+1		Chaudri.	TBL. CFD EXP.. TO CALC.
$C(d,\text{absorption})$ $\sigma(E)$						
5311	IJI Rev	J FCY 6 827 75 1.1+0			Nemets+	TBL. FROM AIP 15,329(1966).
	Rev	J SJPN 6 325 76 1.1+0				. TRANSLATION OF FCY 6,(4),827(1975).
$C(d,x)n$ partial thick target yield						
5312	LRL Expt	J NSE 70 60 79 3.0+0	3.5+0		Lefevre+	TBL. 3MM THICK. EN>1MEV. INTAD
$^{12}\text{C}(d,\text{absorption})$ $\sigma(E)$						
5313	LAS Rev	S BNL-51115 513 779 5.8+0	6.2+2		De-Vries+	CURV. CFD EXPT AND MODEL
$^{12}\text{C}(d,\alpha)^{10}\text{B}$ partial $\sigma(E)$						
5314	TOK Theo	J NP/A 301 448 578 8.0+0	1.6+1		Izumato.	CURV.1.4MEV ST.CC ANAL. CFD EXP
$^{12}\text{C}(d,2n+p)^{11}\text{C}$ $\sigma(E)$						
5315	KFK Comp	B PH-DAT 15 1 079 2.3+3			Muenzel+	TBL. FROM EXFOR.
5316	SAC Expt	J NIM 95 307 71 2.3+3			Banaigs+	GRAPHITE FOIL OF NUCLEAR PURITY
	Expt	4 EXFORB0013.002 076 2.3+3				. (41.7+-2.9)MB.
$^{12}\text{C}(d,2n+p)^{11}\text{C}$ $\sigma(E)$ =abundance						
5317	BRK Expt	J PR 101 329 56 2.4+1	1.9+2		Crandall+	TBL. STACKED FOILS.
	Expt	4 EXFORB0101.003 N79 2.4+1	1.9+2			. 23 DATA POINTS.
$^{12}\text{C}(d,\text{elastic})^{12}\text{C}$ $\sigma(E)$						
5318	TPI Theo	J IZV 41 2148 77 1.4+1	2.6+1		Matusevich+	TBL. SIMPLE MODEL.
	Theo	J BAS 41 135 78 1.4+1	2.6+1			. TRANSLATION OF IZV 41(10),2148(19877)
$^{12}\text{C}(d,p)^{13}\text{C}$ partial $\sigma(E)$						
5319	WIT Expt	A DA/B 37 4022 277 2.5-1	5.0-1		Annegarn.	NDG. GND. STATE.
$^{12}\text{C}(d,n)^{13}\text{N}$ product yield						
5320	BNL Rev	J IRE 26 1710 279	NDG		Ruth+	TBL. SURVEY OF DATA RELIABILITY.
$^{12}\text{C}(d,n)^{13}\text{N}$ $\sigma(E)$						
5321	ORL Eval	J IRE 26 1713 279	TR	1.9+1	Wieland+	CURV.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{12}\text{C}(\text{d},\text{n})^{13}\text{N}$ thick target yield					
5322	ORL Eval J	IRE 26	1713	279 TR	1.8+1 Wieland+ CURV. SATUR. YLD. FROM SIGMA.
5323	JUL Revw C	78HARWEL	667	78 5.8+0	Stocklin+ TBL. SATURATION YLD.
5324	AML Revw J	IRE 26	2281	479 1.4+1	Chaudri. TBL. CFD EXP. TO CALC.
$^{12}\text{C}(\text{d},\text{x})\text{n}$ partial thick target yield					
5325	LRL Expt J	NSE 70	60	79 2.5+0	3.5+0 Lefevre+ TBL. 3 TRGTS. EN GT 1MEV.INTAD
$\text{N}(\text{d},\text{absorption}) \sigma(\text{E})$					
5326	IJI Revw J	FCY 6	827	75 2.5+1	Nemets+ TBL. FROM NP 62,393(1965).
	Revw J	SJPN 6	325	76 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).
$\text{N}(\text{d},\text{x})^{15}\text{O}$ thick target yield					
5327	WIS Expt A	JLCR 16	90	79 NDG	Nickles+ NDG.
$\text{N}(\text{d},\text{n})^{15}\text{O}$ product yield					
5328	USA Revw J	IRE 26	1703	279 NDG	Beaver+ 6 MCI/MUAHR/HR.
$^{14}\text{N}(\text{d},\text{inelastic})^{14}\text{N}$ partial $\sigma(\text{E})$					
5329	TOK Theo J	NP/A 275	342	177 6.0+0	1.8+1 Izumato. CURV. EX=2.31. CC(PERT. APP.)
5330	OSA Expt J	NP/A 322	117	679 1.0+1	1.8+1 Aoki+ CURV. INTAD. ISOSPIN FORBIDDEN
$^{14}\text{N}(\text{d},\text{p})^{15}\text{N}$ partial $\sigma(\text{E})$					
5331	DEB Expt J	NP/A 270	200	76 3.1-1	6.4-1 Valek+ TBL. SIG FOR P0-P5 GROUPS.
$^{14}\text{N}(\text{d},\text{p})^{15}\text{N}$ $\sigma(\text{E}) \times \text{factor}$					
5332	DEB Expt J	NP/A 270	200	76 0.0+0	Valek+ EXTRAPOLATED S-FACTOR TO 0
$^{14}\text{N}(\text{d},\text{n})^{15}\text{O}$ product yield					
5333	BNL Revw J	IRE 26	1710	279 NDG	Ruth+ TBL. SURVEY OF DATA RELIABILITY.
$^{14}\text{N}(\text{d},\text{n})^{15}\text{O}$ $\sigma(\text{E})$					
5334	ORL Eval J	IRE 26	1713	279 TR	5.0+0 Wieland+ CURV.
5335	BNL Expt J	RCA 24	65	77 6.0-1	2.8+0 Ruiz+ TBL. CURV. SATURATION METHOD
$^{14}\text{N}(\text{d},\text{n})^{15}\text{O}$ thick target yield					
5336	TNL Expt P	ORO-1667-17	84	79 NDG	Nelson. PRELIMINARY. ABOUT 13MCI/MUA.
	Expt P	A-TNL-78	84	79 NDG	. SAME AS ORO-1667-17.
5337	ORL Eval J	IRE 26	1713	279 TR	6.0+0 Wieland+ CURV. SATUR. YLD. FROM SIGMA.
5338	AML Revw J	IRE 26	2281	479 5.0+0	Chaudri. TBL. CFD EXP. TO CALC.
5339	JUL Revw C	78HARWEL	667	78 6.0+0	Stocklin+ TBL. SATURATION YLD.
$^{14}\text{N}(\text{d},\text{n})^{15}\text{O}$ relative $\sigma(\text{E})$					
5340	TNL Expt P	DOE-NDC-12	305	478 3.0+0	1.0+1 Nelson+ CURV.
	Expt P	ERDA-NDC-9	296	477 4.0+0	Nelson+ NDG.
$^{15}\text{N}(\text{d},\text{n})^{16}\text{O}$ $\sigma(\text{E})$					
5341	BNL Revw C	63HOUSTO	3	63 NDG	Goldberg. NDG.
$^{16}\text{O}(\text{d},\text{absorption}) \sigma(\text{E})$					
5342	LAS Revw S	BNL-51115	513	779 1.1+1	1.2+2 De-Vries+ CURV. CFD EXPT AND MODEL
$^{16}\text{O}(\text{d},\text{total}) \sigma(\text{E})$					
5343	LAS Theo J	PRL 43	1373	N79 5.0+0	5.0+2 De-Vries+ CURV. SEMI-CLASSICAL CFD EXPT
5344	MIN Theo T	M.T. LEMERE	77	7.1+0	1.4+1 Lemere. RESON. GRP. TREAT. TBL. CFD EXP
$^{16}\text{O}(\text{d},\text{o})^{14}\text{N}$ partial $\sigma(\text{E})$					
5345	WIS Expt J	PR/C 18	1547	978 6.7+0	1.2+1 Riedhauser+CURV.A3 GRP.4PIAD. ANG..DIST
$^{16}\text{O}(\text{d},\text{o})^{14}\text{N}$ $\sigma(\text{E})$					
5346	KQU Expt A	BAP 23	1056	78 6.5-1	1.1+0 Mac-Arthur+ NDG. FOR DEPTH PROFILING
$^{16}\text{O}(\text{d},\text{p})^{17}\text{O}$ partial $\sigma(\text{E})$					
5347	WIT Expt A	DA/B 37	4022	277 5.0-1	1.2+0 Annegarn. NDG. P0+PI GROUPS.
$^{17}\text{O}(\text{d},\text{x})^{17}\text{F}$ thick target yield					
5348	WIS Expt A	JLCR 16	90	79 9.0+0	Nickles+ 100MCI/MUA AT SATURATION. H2O
$^{17}\text{O}(\text{d},\text{n})^{18}\text{F}$ thick target yield					
5349	UJV Comp R	UJF-4199-B	277	NDG	Bem+ NDG. 2 REFERENCES.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
	$^{18}\text{O}(d,2n)^{18}\text{F}$	thick target yield			
5350	UJV Comp R	UJF-4199-B	277	NDG	Bem+ NDG. 2 REFERENCES.
	$^{20}\text{O}(d,x)^{18}\text{F}$	product yield			
5351	IKO Expt P	A-1KO-77	52	77 NDG	Bakker+ NDG. S102 TRGT.
	$^{19}\text{F}(d,o)^{17}\text{O}$	partial $\sigma(E)$			
5352	DEB Expt J	NIM 147	287	N77 3.0-1 4.6-1	Somogyi+TBL. NDG. USE OF PLASTIC TRACK DET
	$^{18}\text{F}(d,t)^{18}\text{F}$	thick target yield			
5353	UJV Comp R	UJF-4199-B	277	8.0+0 2.3+1	Bem+NDG. BUTTERWORTHS. LONDON. 341(1970)
	Comp R	UJF-4199-B	277	8.0+0 1.5+1	Bem+TBL. CALC. FRM SIG IN CEA-N-1466(2)
	$^{19}\text{F}(d,p)^{20}\text{F}$	partial $\sigma(E)$			
5354	ALG Expt J	NC 33	535	76 1.0+0 1.5+0	Beameviellie+ CURV. 5 GROUPS.
	$^{20}\text{Ne}(d,o)^{18}\text{F}$	product yield			
5355	BNL Revv J	IRE 20	1710	270 NDG	Ruth+ TBL. SURVEY OF DATA RELIABILITY.
5356	HEL Expt A	JLCR 16	214	79 1.2+1	Helus+ NDG. GAS TARGET.
	$^{20}\text{Ne}(d,o)^{18}\text{F}$	$\sigma(E)$			
5357	ORL Eval J	IRE 26	1713	279 TR	2.0+1 Wieland+ CURV.
5358	JUL Comp J	NIM 146	301	077 +6	Schult. NDG.
	$^{20}\text{Ne}(d,o)^{18}\text{F}$	thick target yield			
5359	ORL Eval J	IRE 26	1713	279 TR	2.0+1 Wieland+ CURV. SATUR. YLD. FROM SIGMA.
5360	UJV Comp R	UJF-4199-B	277	2.0+0 2.0+1	Bem+ TBL. 2 REFERENCES.
5361	AML Revv J	IRE 26	2281	479 8.0+0 1.6+1	Chaudri. TBL. CFD EXP. TO CALC.
5362	JUL Revv C	78HARWEL	667	78 1.5+1	Stocklin+ TBL. SATURATION YLD.
5363	BNL Expt J	ARI 29	175	378 1.6+1	Lambrecht+ 28 HCl/MUAMP-HR.
	Expt A	JLCR 23	209	77 9.4+0 1.4+1	Casella+ 67MC1+82MC1/MUA SATURATION.
	$^{20}\text{Ne}(d,o)^{18}\text{F}$	partial $\sigma(E)$			
5364	PEN Expt J	PR/C 14	1695	76 1.0+1	Fortune+ A0. (858+-18) MUB. INTAD.
	$^{20}\text{Ne}(d,x)^{18}\text{F}$	product yield			
5365	KTY Expt P	U/KTY-77	138	77 NDG	Reed+ NDG. FOR RADIOCOMPOUNDS.
	$^{20}\text{Ne}(d,p)^{21}\text{Ne}$	partial $\sigma(E)$			
5366	DEB Expt J	AHP 42	207	77 5.0-1 6.4-1	Valek. TBL. INTAD. ALSO LEG. COEF.
	$^{20}\text{Ne}(d,p)^{21}\text{Ne}$	I_y			
5367	CRC Expt A	BAP 23	520	478 2.7+0 6.0+0	Mc-Donald+ NDG. 2789 AND 2796 KEV G.
	$^{20}\text{Ne}(d,n)^{21}\text{Na}$	product yield.			
5368	HEL Expt A	JLCR 16	107	79 TR	-5 Helus+NDG. MORE USEFUL FOR ROUTINE PROD
	Expt A	JLCR 16	107	79 TR	3.5+0 Helus+NDG. AVOIDS F-18 PRODUCTION.
	$^{22}\text{Ne}(d,2n)^{22}\text{Na}$	thick target yield			
5369	UJV Comp R	UJF-4199-B	277	NDG	Bem+ NDG. CONTAMINANT IN F18 PRODUCTION
	$\text{Mg}(d,\text{absorption})$	$\sigma(E)$			
5370	IJI Revv J	FCY 6	827	75 1.3+1 2.5+1	Nemels+ TBL.
	Revv J	SJPN 6	325	76 1.3+1 2.5+1	. TRANSLATION OF FCY 6, (4). 827(1975).
	$\text{Mg}(d,x)^{24}\text{Ne}$	$\sigma(E)$			
5371	CLU Expt J	PR/C 13	976	76 8.7+0 1.8+1	Wilson+ TBL. ENERGY SPREAD 1.7 TO 2.2
	$\text{Mg}(d,x)^{25}\text{Na}$	$\sigma(E)$			
5372	CLU Expt J	PR/C 13	976	76 8.7+0 1.8+1	Wilson+ TBL. ENERGY SPREAD 1.7 TO 2.2
	$\text{Mg}(d,x)^{27}\text{Mg}$	$\sigma(E)$			
5373	CLU Expt J	PR/C 13	976	76 8.7+0 1.8+1	Wilson+ TBL. ENERGY SPREAD 1.7 TO 2.2
	$\text{Mg}(d,x)^{25}\text{Al}$	$\sigma(E)$			
5374	CLU Expt J	PR/C 13	976	76 8.7+0 1.8+1	Wilson+ TBL. ENERGY SPREAD 1.7 TO 2.2
	$\text{Mg}(d,x)^{28}\text{Al}$	$\sigma(E)$			
5375	CLU Expt J	PR/C 13	976	76 8.7+0 1.8+1	Wilson+ TBL. ENERGY SPREAD 1.7 TO 2.2

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{24}\text{Mg}(d,x)^{18}\text{F}$	thick target yield			
5376 UJV Comp R	UJF-4199-B	277	NDG	Bem+ NDG. MEASURED SIG VERY SMALL
$^{24}\text{Mg}(d,\alpha)^{22}\text{Na}$	$\sigma(E)$			
5377 NLP Expt J	JIN 31 3345	69	9.0-1 1.6+1	Reeha+ TBL. WELL AND 4PI GEOMETRY.
	Expt J JIN 32 2111	70	9.0-1 1.6+1	. ERRATA TO JIN 31, 3345 (1969).
	Expt 4 EXFORB0099.002	779	9.0-1 1.6+1	. 33 DATA POINTS.
$^{24}\text{Mg}(d,p)^{25}\text{Mg}$	partial $\sigma(E)$ factor			
5378 IJI Expt J	YF 22 917	N75	1.4+1	Tokarevskii+G.S.FCT=(21(1)+1)/(21(F)+1)
	Expt J SNP 22 477	76	1.4+1	. TRANSLATION OF YF 22(5).917(75).
$^{25}\text{Mg}(d,x)^{18}\text{F}$	thick target yield			
5379 UJV Comp R	UJF-4199-B	277	NDG	Bem+ NDG. MEASURED SIG VERY SMALL
$^{25}\text{Mg}(d,\alpha)^{23}\text{Na}$	partial spectrum average $\sigma(E)$			
5380 PEN Expt J	NP/A 298	1	378 1.2+1 1.2+1	Powers+ TBL. CURV. INTAD. 43 STATES.
$^{25}\text{Mg}(d,\alpha)^{23}\text{Na}$	partial spectrum average $\sigma(E)$ factor			
5381 PEN Expt J	NP/A 298	1	378 1.2+1 1.2+1	Powers+ TBL. INTAD. 15 STATES. 1/(2J+1)
$^{25}\text{Mg}(d,p)^{26}\text{Mg}$	partial $\sigma(E)$ factor			
5382 IJI Expt J	YF 22 917	N75	1.4+1	Tokarevskii+G.S.FCT=(21(1)+1)/(21(F)+1)
	Expt J SNP 22 477	76	1.4+1	. TRANSLATION OF YF 22(5).917(75).
$^{26}\text{Mg}(d,\alpha)^{24}\text{Na}$	including metastable $\sigma(E)$			
5383 NLP Expt J	JIN 31 3345	69	2.2+0 1.6+1	Reeha+ TBL. WELL AND 4PI GEOMETRY.
	Expt J JIN 32 2111	70	2.2+0 1.6+1	. ERRATA TO JIN 31, 3345 (1969).
	Expt 4 EXFORB0099.003	779	2.2+0 1.6+1	. 49 DATA POINTS.
$^{27}\text{Al}(d,x)$	partial $\sigma(E)$			
5384 MRY Expt C	77TOKYO 723	977	8.0+1	Wu+ NON-EQUILIBRIUM APP. = 300A**1/3 MB
$^{27}\text{Al}(d,x)$	direct-interaction $\sigma(E)$			
5385 BON Exth J	NP/A 311	141	N78 2.6+1	Pampus+ TBL. INT. E/A. SUM BREAKUP+INL.
$^{27}\text{Al}(d,x)$	direct-interaction $\sigma(E)$ factor			
5386 BON Exth J	NP/A 311	141	N78 2.6+1	Pampus+ TBL. INT. E/A. DIRECT/REACTION
$^{27}\text{Al}(d,\text{absorption})$	$\sigma(E)$			
5387 IJI Revv J	FCY 6 827	75	2.2+1 2.5+1	Nemets+ TBL.
	Revv J SJPN 6 325	76	2.2+1 2.5+1	. TRANSLATION OF FCY 6.(4).827(1975).
5388 BON Exth J	NP/A 311	141	N78 2.6+1	Pampus+ TBL. INT. E/A.
5389 MRY Expt J	PR/C 19 370	279	8.0+1	Wu+ TBL. PRE-EQUILIBRIUM MODEL.
	Expt C 77TOKYO 723	977	8.0+1	Wu+ 1.65 B. 80 PERCENT DUE TO PREEQUIL.
$^{27}\text{Al}(d,\text{absorption})$	partial $\sigma(E)$			
5390 MRY Expt J	PR/C 19 370	279	8.0+1	Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
$^{27}\text{Al}(d,\text{absorption})$	$\sigma(E)$ factor			
5391 BON Exth J	NP/A 311	141	N78 2.6+1	Pampus+ TBL. INT. E/A. BREAKUP/REACTION
	Exth J NP/A 311	141	N78 2.6+1	Pampus+ TBL. INT. E/A. DIRECT/REACTION
$^{27}\text{Al}(d,x)n$	partial thick target yield			
5392 LRL Expt J	NSE 70 60	79	2.5+0 3.5+0	Lefevre+ TBL. 3MM THICK. EN>1MEV. INTAD
$^{27}\text{Al}(d,x)^{1}\text{H}$	$\sigma(E)$			
5393 BON Exth J	NP/A 311	141	N78 2.6+1	Pampus+ TBL. INT. E/A.
5394 MRY Expt J	PR/C 19 370	279	8.0+1	Wu+ TBL. ENERGY/ANGLE INTEGRATED.
$^{27}\text{Al}(d,x)^{1}\text{H}$	partial $\sigma(E)$			
5395 BON Exth J	NP/A 311	141	N78 2.6+1	Pampus+ TBL. INT. E/A. BREAKUP PS.
5396 MRY Expt J	PR/C 19 370	279	8.0+1	Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
	Expt J PR/C 19 370	279	8.0+1	Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
	Expt J PR/C 19 370	279	8.0+1	Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
$^{27}\text{Al}(d,x)^{1}\text{H}$	compound-nucleus $\sigma(E)$			
5397 MRY Expt J	PR/C 19 370	279	8.0+1	Wu+ TBL. EVAPORATION=4PI*SIG(140 OR 150
$^{27}\text{Al}(d,x)^{1}\text{H}$	partial $\sigma(E)$ factor			
5398 BON Exth J	NP/A 311	141	N78 2.6+1	Pampus+ TBL. INT. E/A. BREAKUP/REACTION

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
			²⁷ Al(d,n+x) ¹ H σ(E)				
5399	MRY	Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. ESTIMATED DEUTERON BREAKUP
			²⁷ Al(d,x) ² H emission σ(E)				
5400	MRY	Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. ENERGY/ANGLE INTEGRATED.
			²⁷ Al(d,x) ² H partial emission σ(E)				
5401	MRY	Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. NON-EQUIL=TOT-(DIS+EVAP.).
		Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. DISCRETE STATES FROM 0-10 MEV.
		Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. CALCULATED PRE-EQUIL. COMP.
			²⁷ Al(d,x) ² H compound-nucleus emission σ(E)				
5402	MRY	Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. EVAPORATION=4PI*SIG(140 OR 150
			²⁷ Al(d,x) ³ H σ(E)				
5403	KFK	Expt J	NP/A 333	173	180 1.0+1	5.0+1	Merkel+ TBL. THEORY CFD MEAN SIGMA.
5404	MRY	Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. ENERGY/ANGLE INTEGRATED.
			²⁷ Al(d,x) ³ H partial σ(E)				
5405	MRY	Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. NON-EQUIL=TOT-(DIS+EVAP.).
		Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. DISCRETE STATES FROM 0-10 MEV.
		Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. CALCULATED PRE-EQUIL. COMP.
			²⁷ Al(d,x) ³ H compound-nucleus σ(E)				
5406	MRY	Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. EVAPORATION=4PI*SIG(140 OR 150
			²⁷ Al(d,x) ³ H thick target yield				
5407	BRK	Expt J	PR 120	1354	60 2.4+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
		Expt J	PR 107	1311	57 2.4+1		. SOME EXPERIMENTAL DETAILS.
		Expt 4	EXFORB0080.011	D78	2.4+1		. (8.01+-0.80)MB.
5408	KFK	Comp B	PH-DAT 15	2	D79 2.4+1		Muenzel+ TBL. FROM EXFOR.
			²⁷ Al(d,x) ³ H product yield				
5409	KFK	Expt J	NP/A 333	173	180 1.2+1	5.1+1	Merkel+ TBL. T PER D. STOPPED ALL T.
5410	BRK	Expt J	PR 120	1354	60 2.4+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
		Expt J	PR 107	1311	57 2.4+1		. SOME EXPERIMENTAL DETAILS.
		Expt 4	EXFORB0080.011	D78	2.4+1		. (7.23E-5+-10PERCENT)T/INCIDENT D.
5411	KFK	Comp B	PH-DAT 15	2	D79 2.4+1		Muenzel+ TBL. FROM EXFOR.
			²⁷ Al(d,x) ³ H average σ(E)				
5412	KFK	Expt J	NP/A 333	173	180 8.7+0	5.1+1	Merkel+ TBL. 5 ENERGY GROUPS.
			²⁷ Al(d,x) ³ He σ(E)				
5413	MRY	Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. ENERGY/ANGLE INTEGRATED.
			²⁷ Al(d,x) ³ He partial σ(E)				
5414	MRY	Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. NON-EQUIL=TOT-(DIS+EVAP.).
		Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. DISCRETE STATES FROM 0-10 MEV.
		Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. CALCULATED PRE-EQUIL. COMP.
			²⁷ Al(d,x) ³ He compound-nucleus σ(E)				
5415	MRY	Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. EVAPORATION=4PI*SIG(140 OR 150
			²⁷ Al(d,x) ⁴ He σ(E)				
5416	MRY	Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. ENERGY/ANGLE INTEGRATED.
			²⁷ Al(d,x) ⁴ He partial σ(E)				
5417	MRY	Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. NON-EQUIL=TOT-(DIS+EVAP.).
		Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. CALCULATED PRE-EQUIL. COMP.
		Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. DISCRETE STATES FROM 0-10 MEV.
			²⁷ Al(d,x) ⁴ He compound-nucleus σ(E)				
5418	MRY	Expt J	PR/C 19	370	279 8.0+1	Wu+	TBL. EVAPORATION=4PI*SIG(140 OR 150
			²⁷ Al(d,x) ²⁴ Na σ(E)				
5419	CLU	Expt J	PR/C 13	976	76 8.7+0	1.8+1	Wilson+ TBL. ENERGY SPREAD 1.7 TO 2.2
			²⁷ Al(d,2n+3p) ²⁴ Na including metastable σ(E)				
5420	KFK	Comp B	PH-DAT 15	1	079 2.3+3		Muenzel+ TBL. FROM EXFOR.
5421	SAC	Expt J	NIM 95	307	71 2.3+3		Banaigs+ 99.99 PER CENT PURE.
		Expt 4	EXFORB0013.003	076	2.3+3		. (15.3+-1.5)MB.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{27}\text{Al}(d,2n+3p)^{24}\text{Na}$ including metastable $\sigma(E)$					
5422	BRK Expt J PR	101 329 56 3.5+2			Crandall+ TBL. STACKED FOILS.
	Expt 4 EXFORN101.006	N79 3.5+2			. (28.8+-0.3)MB.
$^{27}\text{Al}(d,p+\alpha)^{24}\text{Na}$ including metastable $\sigma(E)$					
5423	NLP Expt J JIN	31 3345 69 1.0+1 1.6+1			Roehm+ TBL. WELL AND 4PI GEOMETRY.
	Expt J JIN	32 2111 70 1.0+1 1.6+1			. ERRATA TO JIN 31, 3345 (1969).
	Expt 4 EXFORB0099.004	779 1.0+1 1.6+1			. 22 DATA POINTS.
$^{27}\text{Al}(d,\alpha)^{25}\text{Mg}$ partial $\sigma(E)$					
5424	DEB Expt J NIM	147 287 N77 5.4-1 6.5-1			Somogyi+TBL.NDG.USE OF PLASTICTRACK DET
$^{27}\text{Al}(d,x)^{27}\text{Mg}$ $\sigma(E)$					
5425	CLU Expt J PR/C	13 976 76 8.7+0 1.8+1			Wilson+ TBL. ENERGY SPREAD 1.7 TO 2.2
$^{27}\text{Al}(d,t)^{26}\text{Al}$ $\sigma(E)$					
5426	BRK Expt J PR	120 1354 60 TR	2.4+1		Gonzalez-Vidal+CURV.STCKD FOILS APP SIG
	Expt J PR	107 1311 57 TR	2.4+1		. EXPERIMENTAL DETAILS+PRELIM. DATA
$^{27}\text{Al}(d,\text{inelastic})^{27}\text{Al}$ $\sigma(E)$					
5427	BON Expt J NP/A	311 141 N78 2.6+1			Pampus+ TBL. INT. E/A.
$^{27}\text{Al}(d,p)^{28}\text{Al}$ $\sigma(E)$					
5428	CLU Expt J PR/C	13 976 76 8.7+0 1.8+1			Wilson+ TBL. ENERGY SPREAD 1.7 TO 2.2
$^{27}\text{Al}(d,2n)^{27}\text{Si}$ $\sigma(E)$					
5429	CLU Expt J PR/C	13 976 76 8.7+0 1.8+1			Wilson+ TBL. ENERGY SPREAD 1.7 TO 2.2
$\text{Si}(d,x)^{28}\text{Al}$ $\sigma(E)$					
5430	CLU Expt J PR/C	13 976 76 8.7+0 1.8+1			Wilson+ TBL. ENERGY SPREAD 1.7 TO 2.2
$\text{Si}(d,x)^{29}\text{Al}$ $\sigma(E)$					
5431	CLU Expt J PR/C	13 976 76 8.7+0 1.8+1			Wilson+ TBL. ENERGY SPREAD 1.7 TO 2.2
$\text{Si}(d,x)^{29}\text{P}$ $\sigma(E)$					
5432	CLU Expt J PR/C	13 976 76 8.7+0 1.8+1			Wilson+ TBL. ENERGY SPREAD 1.7 TO 2.2
$^{28}\text{Si}(d,d)^{28}\text{Si}$ thick target yield					
5433	TNL Theo P ERDA-NDC-2	201 575 6.8+0			Eastgate+ NDG.
$^{30}\text{Si}(d,y)^{32}\text{P}$ $\sigma(E)$					
5434	GOE Expt J ZP/A	291 377 79 2.3+1			Kantus+ TBL. REV. OF MAX SIG. CFD. CALC
$^{31}\text{P}(d,\alpha)^{28}\text{Si}$ partial relative spectrum average $\sigma(E)$					
5435	THU Expt J JPJ	43 375 877 2.0+0 3.0+0			Huang+TBL.CURV.INTAD(90-180).A0-A6 GRPS
$^{31}\text{P}(d,\alpha)^{28}\text{Si}$ partial spectrum average $\sigma(E)$ factor					
5436	THU Expt J JPJ	43 375 877 2.0+0 3.0+0			Huang+TBL.CURV.INTAD(90-180).1/(2J+1)
	Expt J JPJ	43 375 877 2.0+0 3.0+0			Huang+TBL.CURV.INTAD(90-180).1/THEORY
$\text{S}(d,x)^{34}\text{Cl}$ thick target yield					
5437	FEI Expt J ARI	27 159 76 6.1+0 2.2+1			Zatolokin+ CURV. T1/2=32.2MIN.
$\text{Cl}(d,x)^{36}\text{Cl}$ thick target yield					
5438	FEI Expt J ARI	27 159 76 2.8+0 2.2+1			Zatolokin+ CURV. T1/2=32.2MIN.
$\text{Ca}(d,x)^{43}\text{K}$ thick target yield					
5439	UJV Comp R UJF-4199-B	277 1.9+1			Bem+ EST. YLD.=.0051Cl/AH.
$^{40}\text{Ca}(d,\text{absorption})$ $\sigma(E)$					
5440	LAS Revw S BNL-S1115	513 779 6.7+0 6.3+2			Ue-Vries+ CURV. CFD D.HE3, A PROJ.
$^{45}\text{Sc}(d,p)^{46}\text{Sc}$ product yield					
5441	FEI Expt J AE	34 404 573 1.7+1 2.3+1			Dmitriev+ NDG. LARGE YIELD.
	Expt J SJA	34 497 573 1.7+1 2.3+1			. TRANSLATION OF AE 34, 404(1973).
$^{45}\text{Sc}(d,3n)^{44}\text{Ti}$ independent thick target yield					
5442	FEI Expt J AE	34 404 573 1.7+1 2.3+1			Dmitriev+ RADIOCHEMISTRY.
	Expt J SJA	34 497 573 1.7+1 2.3+1			. TRANSLATION OF AE 34, 404(1973).
	Expt 4 EXFORA0021.003	379 1.7+1 2.3+1			. 6 DATA POINTS.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author. Comments
Ti(d,absorption) $\sigma(E)$				
5443 IJI Rev J FCY	6	827	75 2.2+1 2.5+1	Nemets+ TBL.
Rev J SJPN	6	325	76 2.2+1 2.5+1	. TRANSLATION OF FCY 6.(4).827(1975).
Ti(d,x) ⁴³ K $\sigma(E)$				
5444 JUL Rev W PREPRINT		678	5.0+1 8.5+1	Osima+ CURV. 1070 DATA
Ti(d,x) ⁴⁷ Ca $\sigma(E)$				
5445 JUL Expt P NEANDC(E)-1925	478	TR	9.0+1	Probst. NDG.
Expt P JUEL-1976	58	76 6.0+1	9.0+1	Probst+ APPROX. 0.35MB. STCKD FOIL
Ti(d,x) ⁴⁷ Ca thick target yield				
5446 JUL Expt P NEANDC(E)-1925	478	9.0+1		Probst. 24 MUCI/MUAH FROM SIG
Expt P JUEL-1976	58	76 9.0+1		Probst+ APPROX. 10CI/AH. STCKD FOIL
V(d,absorption) $\sigma(E)$				
5447 IJI Rev J FCY	6	827	75 1.3+1 2.5+1	Nemets+ TBL.
Rev J SJPN	6	325	76 1.3+1 2.5+1	. TRANSLATION OF FCY 6.(4).827(1975).
⁵¹ V(d,x) ³ H product yield				
5448 KFK Expt J NP/A 333	173	180 1.2+1 5.0+1		Merkel+ TBL. T PER D. STOPPED ALL T.
⁵¹ V(d,x) ³ H average $\sigma(E)$				
5449 KFK Expt J NP/A 333	173	180 7.4+0 4.0+1		Merkel+ TBL. 5 ENERGY GROUPS.
⁵¹ V(d,x) ³ H $\sigma(E)$				
5450 KFK Expt J NP/A 333	173	180 1.0+1 5.0+1		Merkel+ CURV. THEORY CFD MEAN SIGMA.
⁵¹ V(d,5n) ⁴⁸ Cr $\sigma(E)$				
5451 JUL Expt A JLCR 16	131	79 NDG		Weinrich+ NDG.
⁵¹ V(d,x) isotopic distribution $\sigma(E)$				
5452 JUL Expt P JUEL-1976	58	76 TR	9.0+1	Probst+ NDG. STCKD-FOILS. 13 ISOMERS.
⁵² Cr(d,2n) ⁵² Mn product yield				
5453 BNL Expt A JLCR 16	129	79 1.8+1		Lambrecht+ 59MCI/MUAH.
Fe(d,absorption) $\sigma(E)$				
5454 IJI Rev J FCY	6	827	75 1.3+1 2.5+1	Nemets+ TBL.
Rev J FCY	6	827	75 1.4+1	Nemets+ CURV. DEPENDENCE ON (N-Z)/A.
Rev J SJPN	6	325	76 1.3+1 2.5+1	. TRANSLATION OF FCY 6.(4).827(1975).
Fe(d,x) ⁵⁵ Co thick target yield				
5455 TOK Eval J ARI 30	625	79 2.0+0 3.0+1		Watanabe+ CURV. FROM THIS WORK.
Fe(d,x) ⁵⁶ Co thick target yield				
5456 TOK Eval J ARI 30	625	79 9.0+0		Watanabe+ CURV. FROM THIS WORK.
Fe(d,x) ⁵⁷ Co thick target yield				
5457 TOK Eval J ARI 30	625	79 2.0+0		Watanabe+ CURV. FROM THIS WORK.
Fe(d,x) ⁵⁸ Co thick target yield				
5458 TOK Eval J ARI 30	625	79 5.0+0		Watanabe+ CURV. FROM THIS WORK.
⁵⁴ Fe(d,n) ⁵⁵ Co thick target yield				
5459 TOK Eval J ARI 30	625	79 4.0+0 1.5+1		Watanabe+ CURV. FROM LITERATURE.
⁵⁶ Fe(d,total) $\sigma(E)$				
5460 IJI Rev J FCY	6	827	75 5.0+0 4.5+1	Nemets+ CURV.
Rev J FCY	6	827	75 1.4+1 2.5+1	Nemets+ CURV. DEPENDENCE ON Z.
Rev J SJPN	6	325	76 5.0+0 4.5+1	. TRANSLATION OF FCY 6.(4).827(75).
⁵⁸ Co(d,absorption) $\sigma(E)$				
5461 IJI Rev J FCY	6	827	75 1.1+1 1.3+1	Nemets+ TBL.
Rev J FCY	6	827	75 1.4+1	Nemets+ CURV. DEPENDENCE ON (N-Z)/A.
Rev J SJPN	6	325	76 1.1+1 1.3+1	. TRANSLATION OF FCY 6.(4).827(1975).
⁵⁸ Co(d,total) $\sigma(E)$				
5462 IJI Rev J FCY	6	827	75 8.8+0 6.1+1	Nemets+ CURV. DEPENDENCE ON Z.
Rev J SJPN	6	325	76 8.8+0 6.1+1	. TRANSLATION OF FCY 6.(4).827(1975).

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Ni(d,absorption) $\sigma(E)$					
5463	IJI Rev J FCY	6	827	75 1.1+1	1.3+1 Nemets+ TBL.
	Rev J FCY	6	827	75 1.4+1	Nemets+ CURV. DEPENDENCE ON (N-Z)/A.
	Rev J SJPN	6	325	76 1.1+1	1.4+1 . TRANSLATION OF FCY 6,(4),827(1975).
Ni(d,n+x)¹H $\sigma(E)$					
5464	USA Theo A BAP	24	840	979 2.2+1	8.0+1 Rawitscher. NDG. DWBA BREAKUP
Ni(d,x)⁵⁵Co $\sigma(E)$					
5465	IKO Expt P A-1K0-77	63	77	2.5+1	Brinkman+ NDG. MONITOR. IN RRL 28, 9.
⁵⁶Ni(d,total) $\sigma(E)$					
5466	IJI Rev J FCY	6	827	75 1.4+1	Nemets+ CURV. DEPENDENCE ON A.
	Rev J SJPN	6	325	76 1.4+1	. TRANSLATION OF FCY 6,(4),827(75).
⁵⁸Ni(d,absorption) $\sigma(E)$					
5467	IJI Rev J FCY	6	827	75 1.0+1	1.4+1 Nemets+ TBL.
	Rev J SJPN	6	325	76 1.0+1	1.4+1 . TRANSLATION OF FCY 6,(4),827(1975).
5468	MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. PRE-EQUILIBRIUM MODEL.
	Expt C 77TOKYO		723	977 8.0+1	Wu+ 3.5268. 80 PERCENT DUE TO PREEQUIL.
⁵⁸Ni(d,absorption) partial $\sigma(E)$					
5469	MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
	Expt C 77TOKYO		723	977 8.0+1	Wu+ NON-EQUILIBRIUM APP. = 300A**1/3 MB
⁵⁸Ni(d,total) $\sigma(E)$					
5470	IJI Rev J FCY	6	827	75 1.4+1	2.5+1 Nemets+ CURV. DEPENDENCE ON A AND Z.
	Rev J FCY	6	827	75 1.1+1	1.4+1 Nemets+ CURV. DEPENDENCE ON N.
	Rev J SJPN	6	325	76 1.1+1	2.5+1 . TRANSLATION OF FCY 6,(4),827(75).
⁵⁸Ni(d,x)¹H $\sigma(E)$					
5471	MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. ENERGY/ANGLE INTEGRATED.
⁵⁸Ni(d,x)¹H partial $\sigma(E)$					
5472	MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
	Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
	Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
⁵⁸Ni(d,x)¹H compound-nucleus $\sigma(E)$					
5473	MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. EVAPORATION=4PI*SIG(140 OR 150
⁵⁸Ni(d,n+x)¹H $\sigma(E)$					
5474	MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. ESTIMATED DEUTERON BREAKUP
⁵⁸Ni(d,x)²H emission $\sigma(E)$					
5475	MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. ENERGY/ANGLE INTEGRATED.
⁵⁸Ni(d,x)²H partial emission $\sigma(E)$					
5476	MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
	Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
	Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
⁵⁸Ni(d,x)²H compound-nucleus emission $\sigma(E)$					
5477	MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. EVAPORATION=4PI*SIG(140 OR 150
⁵⁸Ni(d,x)³H $\sigma(E)$					
5478	MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. ENERGY/ANGLE INTEGRATED.
⁵⁸Ni(d,x)³H partial $\sigma(E)$					
5479	MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
	Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
	Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
⁵⁸Ni(d,x)³H compound-nucleus $\sigma(E)$					
5480	MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. EVAPORATION=4PI*SIG(140 OR 150
⁵⁸Ni(d,x)³He $\sigma(E)$					
5481	MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. ENERGY/ANGLE INTEGRATED.
⁵⁸Ni(d,x)³He partial $\sigma(E)$					
5482	MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
			⁵⁸ Ni(d,x) ³ He partial σ(E)			
5482	MRY	Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
		Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. DISCRETE STATES FROM 0-10 MEV
			⁵⁸ Ni(d,x) ³ He compound-nucleus σ(E)			
5483	MRY	Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. EVAPORATION=4PI*SIG(140 OR 150
			⁵⁸ Ni(d,x) ⁴ He σ(E)			
5484	MRY	Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. ENERGY/ANGLE INTEGRATED.
			⁵⁸ Ni(d,x) ⁴ He partial σ(E)			
5485	MRY	Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
		Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
		Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
			⁵⁸ Ni(d,x) ⁴ He compound-nucleus σ(E)			
5486	MRY	Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. EVAPORATION=4PI*SIG(140 OR 150
			⁵⁸ Ni(d,total) σ(E)			
5487	IJI	Rev J FCY	6	827	75 1.4+1 2.5+1	Nemets+ CURV. DEPENDENCE ON A.
		Rev J SJPN	6	325	76 1.4+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(75).
			⁶⁰ Ni(d,absorption) σ(E)			
5488	IJI	Rev J FCY	6	827	75 1.4+1	Nemets+ TBL. FROM L. V. DUBAR+
		Rev J FCY	6	827	75 1.4+1	Nemets+ CURV. DEPENDENCE ON (N-Z)/A.
		Rev J SJPN	6	325	76 1.4+1	. TRANSLATION OF FCY 6,(4),827(1975).
			⁶⁰ Ni(d,total) σ(E)			
5489	IJI	Rev J FCY	6	827	75 1.5+1	Nemets+ CURV. DEPENDENCE ON Z.
		Rev J FCY	6	827	75 1.1+1 1.4+1	Nemets+ CURV. DEPENDENCE ON N.
		Rev J SJPN	6	325	76 1.1+1 1.5+1	. TRANSLATION OF FCY 6,(4),827(75).
			⁶¹ Ni(d,2p) ⁶¹ Co σ(E)*factor			
5490	COL	Rev C 71ALBANY	505	71	2.3+1 3.4+1	Miller. CURV. (D,2P)/(D,2N)
			⁶¹ Ni(d,2n) ⁶¹ Cu σ(E)*factor			
5491	COL	Rev C 71ALBANY	505	71	2.3+1 3.4+1	Miller. CURV. (D,2P)/(D,2N)
			⁶² Ni(d,x) direct-interaction σ(E)			
5492	BON	Ext J NP/A	311	141	N78 2.6+1	Pampus+ TBL. INT. E/A. SUM BREAKUP+INL.
			⁶² Ni(d,x) direct-interaction σ(E)*factor			
5493	BON	Ext J NP/A	311	141	N78 2.6+1	Pampus+ TBL. INT. E/A. DIRECT/REACTION
			⁶² Ni(d,absorption) σ(E)			
5494	BON	Ext J NP/A	311	141	N78 2.6+1	Pampus+ TBL. INT. E/A.
			⁶² Ni(d,absorption) σ(E)*factor			
5495	BON	Ext J NP/A	311	141	N78 2.6+1	Pampus+ TBL. INT. E/A. BREAKUP/REACTION
		Ext J NP/A	311	141	N78 2.6+1	Pampus+ TBL. INT. E/A. DIRECT/REACTION
			⁶² Ni(d,x) ¹ H σ(E)			
5496	BON	Ext J NP/A	311	141	N78 2.6+1	Pampus+ TBL. INT. E/A.
			⁶² Ni(d,x) ¹ H partial σ(E)			
5497	BON	Ext J NP/A	311	141	N78 2.6+1	Pampus+ TBL. INT. E/A. BREAKUP PS.
			⁶² Ni(d,x) ¹ H partial σ(E)*factor			
5498	BON	Ext J NP/A	311	141	N78 2.6+1	Pampus+ TBL. INT. E/A. BREAKUP/REACTION
			⁶² Ni(d,inelastic) ⁶² Ni σ(E)			
5499	BON	Ext J NP/A	311	141	N78 2.6+1	Pampus+ TBL. INT. E/A.
			⁶³ Ni(d,total) σ(E)			
5500	IJI	Rev J FCY	6	827	75 1.4+1 2.5+1	Nemets+ CURV. DEPENDENCE ON A.
		Rev J SJPN	6	325	76 1.4+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(75).
			⁶⁴ Ni(d,absorption) σ(E)			
5501	IJI	Rev J FCY	6	827	75 1.1+1 2.5+1	Nemets+ TBL.
		Rev J FCY	6	827	75 1.4+1	Nemets+ CURV. DEPENDENCE ON (N-Z)/A.
		Rev J SJPN	6	325	76 1.1+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).

REFERENCES(cont.)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁶⁴ Ni(d,totals) σ(E)						
5502	IJI	Rev J FCY	6	827	75 1.4+1 2.5+1	Nemets+ CURV. DEPENDENCE ON A.
		Rev J SJPN	6	325	76 1.4+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(75).
Cu(d,absorption) σ(E)						
5503	IJI	Rev J FCY	6	827	75 1.3+1 2.5+1	Nemets+ TBL.
		Rev J SJPN	6	325	76 1.3+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).
Cu(d,x) ³ H thick target yield						
5504	BRK	Expt J PR	120	1354	60 2.4+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
		Expt J PR	107	1311	57 2.4+1	. SOME EXPERIMENTAL DETAILS.
		Expt 4 EXFORB0080.012	078	2.4+1		. (10.52+-1.05)MB.
5505	KFK	Comp B PH-DAT	15	2	079 2.4+1	Muenzel+ TBL. FROM EXFOR.
Cu(d,x) ³ H product yield						
5506	BRK	Expt J PR	120	1354	60 2.4+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
		Expt J PR	107	1311	57 2.4+1	. SOME EXPERIMENTAL DETAILS.
		Expt 4 EXFORB0080.012	078	2.4+1		. (5.83E-5+-10PERCENT)/INCIDENT D.
5507	KFK	Comp B PH-DAT	15	2	079 2.4+1	Muenzel+ TBL. FROM EXFOR.
Cu(d,x) ⁶¹ Cu σ(E)						
5508	MCG	Expt J NIM	159	171	79 3.1+1 5.0+1	Diksic+ TBL. CURV. ACTIVATION.
Cu(d,x) ⁶⁴ Cu σ(E)						
5509	CRC	Expt J NIM	159	171	79 5.8+0 2.4+1	Diksic+ TBL. CURV. ACTIVATION.
5510	MCG	Expt J NIM	159	171	79 1.3+1 5.0+1	Diksic+ TBL. CURV. ACTIVATION.
⁶³ Cu(d,absorption) σ(E)						
5511	IJI	Rev J FCY	6	827	75 1.1+1 1.4+1	Nemets+ TBL.
		Rev J FCY	6	827	75 1.4+1	Nemets+ CURV. DEPENDENCE ON (N-Z)/A.
		Rev J SJPN	6	325	76 1.1+1 1.3+1	. TRANSLATION OF FCY 6,(4),827(1975).
⁶³ Cu(d,totals) σ(E)						
5512	IJI	Rev J FCY	6	827	75 1.1+1 1.4+1	Nemets+ CURV. DEPENDENCE ON N.
		Rev J FCY	6	827	75 8.8+0 1.0+2	Nemets+ CURV. DEPENDENCE ON Z.
		Rev J SJPN	6	325	76 8.8+0 1.0+2	. TRANSLATION OF FCY 6,(4),827(1975).
⁶³ Cu(d,p) ⁶⁴ Cu σ(E)						
5513	KFK	Comp B PH-DAT	15	2	079 4.0+0 1.1+1	Muenzel+ TBL. FROM EXFOR.
5514	OSA	Expt J NP/A	169	401	71 4.0+0 1.1+1	Okamura+ TBL. CURV. NAT. CU.
		Expt 4 EXFORB0044.002	77	4.0+0 1.1+1		. 8 DATA POINTS.
⁶³ Cu(d,2n) ⁶³ Zn σ(E)						
5515	KFK	Comp B PH-DAT	15	2	079 6.8+0 1.1+1	Muenzel+ TBL. FROM EXFOR.
5516	OSA	Expt J NP/A	169	401	71 6.8+0 1.1+1	Okamura+ TBL. CURV. NAT. CU.
		Expt 4 EXFORB0044.003	77	6.8+0 1.1+1		. 5 DATA POINTS.
⁶⁵ Cu(d,absorption) σ(E)						
5517	IJI	Rev J FCY	6	827	75 1.1+1 2.5+1	Nemets+ TBL.
		Rev J FCY	6	827	75 1.4+1	Nemets+ CURV. DEPENDENCE ON (N-Z)/A.
		Rev J SJPN	6	325	76 1.1+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).
⁶⁵ Cu(d,totals) σ(E)						
5518	IJI	Rev J FCY	6	827	75 1.1+1 1.4+1	Nemets+ CURV. DEPENDENCE ON N.
		Rev J SJPN	6	325	76 1.1+1 1.4+1	. TRANSLATION OF FCY 6,(4),827(75).
⁶⁵ Cu(d,p) ⁶⁶ Cu σ(E)						
5519	KFK	Comp B PH-DAT	15	2	079 3.4+0 1.1+1	Muenzel+ TBL. FROM EXFOR.
5520	OSA	Expt J NP/A	169	401	71 3.4+0 1.1+1	Okamura+ TBL. CURV. NAT. CU.
		Expt 4 EXFORB0044.004	77	3.4+0 1.1+1		. 5 DATA POINTS.
⁶⁵ Cu(d,2n) ⁶⁵ Zn σ(E)						
5521	KFK	Comp B PH-DAT	15	2	079 5.9+0 1.1+1	Muenzel+ TBL. FROM EXFOR.
5522	OSA	Expt J NP/A	169	401	71 5.9+0 1.1+1	Okamura+ TBL. CURV. NAT. CU.
		Expt 4 EXFORB0044.005	77	5.9+0 1.1+1		. 6 DATA POINTS.
Zn(d,absorption) σ(E)						
5523	IJI	Rev J FCY	6	827	75 1.2+1 2.5+1	Nemets+ TBL.
		Rev J FCY	6	827	75 1.4+1	Nemets+ CURV. DEPENDENCE ON (N-Z)/A.
		Rev J SJPN	6	325	76 1.2+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).

REFERENCES (cont.)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Zn(d,x) ³ H thick target yield					
5524	BRK Expt J PR	120 1354	60	2.4+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS . SOME EXPERIMENTAL DETAILS.
	Expt J PR	107 1311	57	2.4+1	(12.55+-1.26)MB.
	Expt 4 EXFORB0080.013	078	2.4+1		
5525	KFK Comp B PH-DAT	15 2 079	2.4+1		Muenzel+ TBL. FROM EXFOR.
Zn(d,n) ³ He product yield					
5526	BRK Expt J PR	120 1354	60	2.4+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS . SOME EXPERIMENTAL DETAILS.
	Expt J PR	107 1311	57	2.4+1	(6.60E-5+-10PERCENT)/T/INCIDENT D.
	Expt 4 EXFORB0080.013	078	2.4+1		
5527	KFK Comp B PH-DAT	15 2 079	2.4+1		Muenzel+ TBL. FROM EXFOR.
Zn(d,x) ⁶⁴ Cu thick target yield					
5528	NLP Expt J ARI	28 802 977	1.6+1		Neirinkx+ TBL. SIM. PROD. OF CU64, CU67, GA67
	Expt A JLCR	23 175 77	1.6+1		Neirinkx. (143MUCI/MUAH).
Zn(d,x) ⁶⁷ Cu thick target yield					
5529	NLP Expt J ARI	28 802 977	1.6+1		Neirinkx+ TBL. SIM. PROD. OF CU64, CU67, GA67
	Expt A JLCR	23 175 77	1.6+1		Neirinkx. (10.12MUCI/MUAH).
Zn(d,x) ⁶⁸ Ga thick target yield					
5530	UJV Comp R UJF-4199-B	277	1.0+1	1.6+1	Bem+ TBL.
Zn(d,x) ⁶⁷ Ga thick target yield					
5531	UJV Comp R UJF-4199-B	277	4.0+0	1.6+1	Bem+ TBL.
5532	NLP Expt J ARI	28 802 977	1.6+1		Neirinkx+ TBL. SIM. PROD. OF CU64, CU67, GA67
	Expt A JLCR	23 175 77	1.6+1		Neirinkx. (0.95MCI/MUAH).
Zn(d,xn) ⁶⁷ Ga thick target yield					
5533	AML Revv J IRE	26 2281 479	8.0+0	1.6+1	Chaudri. TBL. CFD EXP. TO CALC.
⁶⁴ Zn(d,total) σ(E)					
5534	IJI Revv J FCY	6 827 75	8.8+0	2.5+1	Nemels+ CURV. DEPENDENCE ON Z.
	Revv J SJPN	6 325 76	8.8+0	2.5+1	. TRANSLATION OF FCY 6, (4), 827(1975).
⁶⁴ Zn(d,n+α) ⁶¹ Cu σ(E)					
5535	KTO Expt J BCR	52 233 174	8.4+0	1.4+1	Nishi+ TBL. CURV. RADIOCHEM. METHOD.
⁶⁴ Zn(d,α) ⁶² Cu σ(E)					
5536	KTO Expt J BCR	52 233 174	3.2+0	1.4+1	Nishi+ TBL. CURV. RADIOCHEM. METHOD.
⁶⁴ Zn(d,p) ⁶⁵ Zn σ(E)					
5537	KTO Expt J BCR	52 233 174	3.5+0	1.4+1	Nishi+ TBL. CURV. RADIOCHEM. METHOD.
⁶⁴ Zn(d,2n) ⁶⁴ Ga σ(E)					
5538	KTO Expt J BCR	52 233 174	1.3+1	1.4+1	Nishi+ TBL. CURV. RADIOCHEM. METHOD.
⁶⁴ Zn(d,n) ⁶⁵ Ga σ(E)					
5539	KTO Expt J BCR	52 233 174	3.2+0	1.4+1	Nishi+ TBL. CURV. RADIOCHEM. METHOD.
⁶⁸ Zn(d,n) ⁶⁷ Ga thick target yield					
5540	NLP Expt J ARI	27 1 76	1.6+1		Neirinkx+ TBL.
⁶⁸ Zn(d,n) ⁶⁷ Ga product yield					
5541	NLP Expt J ARI	27 1 76	1.6+1		Neirinkx+ 100CI/AH FOR 0.2MM TARGET.
Ge(d,x) ⁷³ As thick target yield					
5542	FEI Expt J AE	41 48 76	6.6+0	2.2+1	Dmitriev+ TBL. CURV. RESIDUAL ACTIVITY.
	Expt J SJA	41 657 76	6.6+0	2.2+1	. TRANSLATION OF AE 41, 48(1976)
	Expt 4 EXFORA0006.003	478	6.6+0	2.2+1	. 5 DATA POINTS.
Ge(d,x) ⁷⁴ As thick target yield					
5543	FEI Expt J AE	41 48 76	6.6+0	2.2+1	Dmitriev+ TBL. CURV. RESIDUAL ACTIVITY.
	Expt J SJA	41 657 76	6.6+0	2.2+1	. TRANSLATION OF AE 41, 48(1976)
	Expt 4 EXFORA0006.006	478	6.6+0	2.2+1	. 5 DATA POINTS.
⁷⁰ Ge(d,n+α) ⁷⁵ Ga σ(E)					
5544	KTO Expt J BCR	52 233 174	1.1+1	1.4+1	Nishi+ TBL. CURV. RADIOCHEM. METHOD.
⁷⁰ Ge(d,α) ⁷⁶ Ga σ(E)					
5545	KTO Expt J BCR	52 233 174	8.7+0	1.4+1	Nishi+ TBL. CURV. RADIOCHEM. METHOD.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁷⁸ Ge(d,p) ⁷⁸ Ge σ(E)					
5546	KTO Expt J BCR	52	233	174 3.5+0 1.4+1	Nishi+ TBL. CURV. RADIOCHEM. METHOD.
⁷⁸ Ge(d,2n) ⁷⁸ As σ(E)					
5547	KTO Expt J BCR	52	233	174 3.5+0 1.4+1	Nishi+ TBL. CURV. RADIOCHEM. METHOD.
⁷⁸ Ge(d,n) ⁷⁸ As σ(E)					
5548	KTO Expt J BCR	52	233	174 3.2+0 1.4+1	Nishi+ TBL. CURV. RADIOCHEM. METHOD.
⁷⁵ As(d,t) ⁷⁴ As thick target yield					
5549	FEI Expt J AE	41	48	76 2.2+1	Dmitriev+ TBL. CURV. RESIDUAL ACTIVITY.
	Expt J SJA	41	657	76 2.2+1	. TRANSLATION OF AE 41, 48(1976)
	Expt 4 EXFORA0006.011	478	2.2+1		. 30.+4.MUC1/MUAHR.
⁷⁵ As(d,2n) ⁷⁵ Se Independent thick target yield					
5550	FEI Expt J AE	34	405	573 9.1+0 2.3+1	Dmitriev+ CURV.
	Expt J AE	32	426	572 9.1+0 2.3+1	. EXPERIMENTAL DETAILS.
	Expt J AE	31	157	71 9.1+0 2.3+1	. EXPERIMENTAL DETAILS.
	Expt J SJA	34	499	573 6.5+0 2.2+1	. TRANSLATION OF AE 34, 405(1973).
	Expt J SJA	32	500	72 6.5+0 2.2+1	. TRANSLATION OF AE 32, 426(1972).
	Expt J SJA	31	876	871 6.5+0 2.2+1	. TRANSLATION OF AE 31, 157(1971).
	Expt 4 EXFORA0022.003	379	9.1+0 2.3+1		. 6 DATA POINTS.
Se(d,x) ⁷⁸ Br product yield					
5551	GOE Expt J ZP/A	289	121	78 NDG	Schmidt-Ott+ NEW ISOMER T _{1/2} =1.49+-0.025
Br(d,x) ⁷⁵ Br σ(E)					
5552	JUL Revv C 78HARMEL	667	78	1.0+1 9.0+1	Stocklin+ CURV. 76,77,79KR. 75-77BR.
	Expt J ARI	28	947	77 5.5+1 9.0+1	Qaim+ CURV. STACKED FOILS.
Br(d,x) ⁷⁶ Br σ(E)					
5553	JUL Revv C 78HARMEL	667	78	1.0+1 9.0+1	Stocklin+ CURV. 76,77,79KR. 75-77BR.
	Expt J ARI	28	947	77 4.0+1 9.0+1	Qaim+ CURV. STACKED FOILS.
Br(d,x) ⁷⁷ Br σ(E)					
5554	JUL Revv C 78HARMEL	667	78	1.0+1 9.0+1	Stocklin+ CURV. 76,77,79KR. 75-77BR.
	Expt J ARI	28	947	77 2.0+1 9.0+1	Qaim+ CURV. STACKED FOILS.
Br(d,x) ⁷⁷ Br thick target yield					
5555	AML Revv J IRE	26	2281	479 2.0+1 5.5+1	Chaudri. TBL. CFD EXP. TO CALC.
5556	JUL Expt J ARI	28	947	77 5.5+1	Qaim+TBL.35MEVTHCKNSS.CALC.CARR-FREEPRO
Br(d,x) ⁷⁹ Kr σ(E)					
5557	JUL Revv W PREPRINT		978	1.0+1 9.0+1	Stocklin+ CURV.. ARI 28, 947.
	Revv W PREPRINT		678	1.0+1 9.0+1	Qaim+ CURV.
	Expt A JLCR	23	209	77 TR	9.0+1 Weinreich+ NDG. BR75 PRODUCTION.
Br(d,x) ⁷⁶ Kr σ(E)					
5558	JUL Revv C 78HARMEL	667	78	1.0+1 9.0+1	Stocklin+ CURV. 76,77,79KR. 75-77BR.
	Expt J ARI	28	947	77 4.0+1 9.0+1	Qaim+ CURV. STACKED FOILS.
Br(d,x) ⁷⁶ Kr thick target yield					
5559	JUL Expt J ARI	28	947	77 8.0+1	Qaim+TBL.25MEVTHCK.CALC.CARR-FREEBR76PR
Br(d,x) ⁷⁷ Kr σ(E)					
5560	JUL Revv C 78HARMEL	667	78	1.0+1 9.0+1	Stocklin+ CURV. 76,77,79KR. 75-77BR.
	Expt J ARI	28	947	77 2.0+1 9.0+1	Qaim+ CURV. STACKED FOILS.
Br(d,x) ⁷⁷ Kr thick target yield					
5561	AML Revv J IRE	26	2281	479 2.0+1 5.5+1	Chaudri. TBL. CFD EXP. TO CALC.
5562	JUL Expt J ARI	28	947	77 5.0+1	Qaim+TBL.25MEVTHCK.CALC.CARR-FREEBR77PR
Br(d,x) ⁷⁹ Kr σ(E)					
5563	JUL Revv C 78HARMEL	667	78	1.0+1 9.0+1	Stocklin+ CURV. 76,77,79KR. 75-77BR.
	Expt J ARI	28	947	77 1.0+1 9.0+1	Qaim+ CURV. STACKED FOILS.
⁷⁸ Br(d,5n) ⁷⁶ Kr σ(E)					
5564	JUL Expt P NEANDC(E)-1825	477	NDG		Qaim+ NDG. P. 55. PRELIM.
⁷⁸ Br(d,4n) ⁷⁷ Kr σ(E)					
5565	JUL Expt P NEANDC(E)-1825	477	NDG		Qaim+ NDG. P. 55. PRELIM.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		⁸¹ Br(d,7n) ⁷⁸ Kr σ(E)			
5566	JUL Expt P	NEANDC(E)-1825	477	NDG	Qaim+ NDG. P. 55. PRELIM.
		⁸¹ Br(d,6n) ⁷⁷ Kr product yield			
5567	JUL Revw R	JUEL-1551	N78	7.8+1	Kupfernagel+ NDG. LABELLED FATTY ACIDS.
		⁸¹ Br(d,6n) ⁷⁷ Kr σ(E)			
5568	JUL Expt P	NEANDC(E)-1825	477	NDG	Qaim+ NDG. P. 55. PRELIM.
		Kr(d,x) ⁸³ Rb thick target yield			
5569	FEI Expt J	AE 32	426 572	1.2+1 2.8+1	Dmitriev+ CURV. CALC.
	Expt J	SJA 32	500 72	1.2+1 2.8+1	. TRANSLATION OF AE 32, 426(1972)
	Expt 4	EXFORA0011.008	478	1.2+1 2.8+1	. 5 DATA POINTS
		Kr(d,x) ⁸⁴ Rb thick target yield			
5570	FEI Expt J	AE 32	426 572	1.2+1 2.8+1	Dmitriev+ CURV. CALC.
	Expt J	SJA 32	500 72	1.2+1 2.8+1	. TRANSLATION OF AE 32, 426(1972)
	Expt 4	EXFORA0011.008	478	1.2+1 2.8+1	. 5 DATA POINTS
		Kr(d,x) ⁸⁶ Rb thick target yield			
5571	FEI Expt J	AE 32	426 572	1.2+1 2.8+1	Dmitriev+ CURV. CALC.
	Expt J	SJA 32	500 72	1.2+1 2.8+1	. TRANSLATION OF AE 32, 426(1972)
	Expt 4	EXFORA0011.009	478	1.2+1 2.8+1	. 5 DATA POINTS
		⁸² Kr(d,x) ⁸⁷ Co relative σ(E)			
5572	ANL Expt J	ARI 27	330 76	2.2+1	Gindler+ FRACT ACT. .LE. 0.01 PER CENT
		⁸² Kr(d,3n) ⁸¹ Rb relative σ(E)			
5573	ANL Expt J	ARI 27	330 76	2.2+1	Gindler+ FRACTIONAL ACT.=66.5 PER CENT
		⁸² Kr(d,2n) ⁸² Rb relative σ(E)			
5574	ANL Expt J	ARI 27	330 76	2.2+1	Gindler+ FRACTIONAL ACT.=33.5 PER CENT
		⁸² Kr(d,n) ⁸³ Rb relative σ(E)			
5575	ANL Expt J	ARI 27	330 76	2.2+1	Gindler+ FRACT ACT. .LE. 0.1 PER CENT
		⁸⁴ Kr(d,p) ⁸³ Kr thick target yield=abundance			
5576	AML Revw J	IRE 26	2281 479	1.5+1	Chaudri. TBL. CFD EXP. TO CALC.
		⁸⁶ Kr(d,2n) ⁸⁶ Rb thick target yield=abundance			
5577	FEI Expt J	AE 32	426 572	1.2+1 2.8+1	Dmitriev+ CURV. CALC.
	Expt J	SJA 32	500 72	1.2+1 2.8+1	. TRANSLATION OF AE 32, 426(1972)
	Expt 4	EXFORA0011.009	478	1.2+1 2.8+1	. 5 DATA POINTS
		⁸⁶ Rb(d,2n) ⁸⁵ Sr thick target yield=abundance			
5578	AML Revw J	IRE 26	2281 479	1.3+1	Chaudri. TBL. CFD EXP. TO CALC.
		⁸⁹ Y(d,p) ⁹⁰ Y σ(E)			
5579	KTO Exth J	BCR 52	170 174	5.0+0 1.5+1	Okamura+ CURV. NEW CALC. METH.
		⁸⁹ Y(d,p) ⁹⁰ Y σ(E)			
5580	KTO Exth J	BCR 52	170 174	5.0+0 1.5+1	Okamura+ CURV. NEW CALC. METH.
		Zr(d,absorption) σ(E)			
5581	IJI Revw J	FCY 6	827 75	1.2+1 2.2+1	Nemets+ TBL.
	Revw J	SJPN 6	325 76	1.2+1 2.2+1	. TRANSLATION OF FCY 6, (4), 827(1975).
		⁹⁰ Zr(d,x) partial σ(E)			
5582	MRY Expt C	77TOKYO	723 977	7.0+1	Wu+ NON-EQUILIBRIUM APP. = 300A**1/3 MB
		⁹⁰ Zr(d,absorption) σ(E)			
5583	MRY Expt J	PR/C 19	370 279	8.0+1	Wu+ TBL. PRE-EQUILIBRIUM MODEL.
	Expt C	77TOKYO	723 977	7.0+1	Wu+ 2.365B. 80 PERCENT DUE TO PREEQUIL.
		⁹⁰ Zr(d,absorption) partial σ(E)			
5584	MRY Expt J	PR/C 19	370 279	8.0+1	Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
		⁹⁰ Zr(d,x) ¹ H σ(E)			
5585	MRY Expt J	PR/C 19	370 279	8.0+1	Wu+ TBL. ENERGY/ANGLE INTEGRATED.

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{90}\text{Zr}(d,x)^1\text{H}$ partial $\sigma(E)$				
5586 MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
$^{90}\text{Zr}(d,x)^1\text{H}$ compound-nucleus $\sigma(E)$				
5587 MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. EVAPORATION= $4\pi \cdot \text{SIG}(140 \text{ OR } 150$
$^{90}\text{Zr}(d,n+x)^1\text{H}$ $\sigma(E)$				
5588 MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. ESTIMATED DEUTERON BREAKUP
$^{90}\text{Zr}(d,x)^2\text{H}$ emission $\sigma(E)$				
5589 MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. ENERGY/ANGLE INTEGRATED.
$^{90}\text{Zr}(d,x)^2\text{H}$ partial emission $\sigma(E)$				
5590 MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
$^{90}\text{Zr}(d,x)^2\text{H}$ compound-nucleus emission $\sigma(E)$				
5591 MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. EVAPORATION= $4\pi \cdot \text{SIG}(140 \text{ OR } 150$
$^{90}\text{Zr}(d,x)^3\text{H}$ $\sigma(E)$				
5592 MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. ENERGY/ANGLE INTEGRATED.
$^{90}\text{Zr}(d,x)^3\text{H}$ partial $\sigma(E)$				
5593 MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
$^{90}\text{Zr}(d,x)^3\text{H}$ compound-nucleus $\sigma(E)$				
5594 MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. EVAPORATION= $4\pi \cdot \text{SIG}(140 \text{ OR } 150$
$^{90}\text{Zr}(d,x)^3\text{He}$ $\sigma(E)$				
5595 MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. ENERGY/ANGLE INTEGRATED.
$^{90}\text{Zr}(d,x)^3\text{He}$ partial $\sigma(E)$				
5596 MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
$^{90}\text{Zr}(d,x)^3\text{He}$ compound-nucleus $\sigma(E)$				
5597 MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. EVAPORATION= $4\pi \cdot \text{SIG}(140 \text{ OR } 150$
$^{90}\text{Zr}(d,x)^4\text{He}$ $\sigma(E)$				
5598 MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. ENERGY/ANGLE INTEGRATED.
$^{90}\text{Zr}(d,x)^4\text{He}$ partial $\sigma(E)$				
5599 MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
$^{90}\text{Zr}(d,x)^4\text{He}$ compound-nucleus $\sigma(E)$				
5600 MRY Expt J PR/C	19	370	279 8.0+1	Wu+ TBL. EVAPORATION= $4\pi \cdot \text{SIG}(140 \text{ OR } 150$
$^{90}\text{Zr}(d,3n)^{89}\text{Nb}$ $\sigma(E)$				
5601 CNE Expt J RCA	23	159	76 2.0+1 2.7+1	Usher+ TBL. STACK-FOILS
$^{90}\text{Zr}(d,3n)^{89}\text{Nb}$ $\sigma(E)$				
5602 CNE Expt J RCA	23	159	76 2.3+1 2.7+1	Usher+ TBL. STACK-FOILS
$^{90}\text{Zr}(d,3n)^{89}\text{Nb}$ ratio $\sigma(E)$				
5603 CNE Expt J RCA	23	159	76 2.3+1 2.7+1	Usher+ TBL. STACK-FOILS
$^{90}\text{Zr}(d,n)^{91}\text{Nb}$ $\sigma(E)$				
5604 DEB Theo J NP/A	285	198	777 7.1+0 1.0+1	Lovas. CURV. IAR.
$^{93}\text{Nb}(d,\text{absorption})$ $\sigma(E)$				
5605 IJI Revv J FCY	6	827	75 2.2+1 2.5+1	Nemets+ TBL.
Revv J SJPN	6	325	76 2.2+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).

REFERENCES (cont.)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		⁹³ Nb(d,x) ³ H average $\sigma(E)$			
5606	KFK Expt J	NP/A 333 173 180	6.7+0	5.0+1	Merkel+ TBL. 5 ENERGY GROUPS.
		⁹³ Nb(d,x) ³ H product yield			
5607	KFK Expt J	NP/A 333 173 180	1.2+1	5.1+1	Merkel+ TBL. T PER D. STOPPED ALL T.
		⁹³ Nb(d,x) ³ H $\sigma(E)$			
5608	KFK Expt J	NP/A 333 173 180	1.0+1	5.0+1	Merkel+ CURV. THEORY CFD MEAN SIGMA.
		Mo(d,x) ⁹⁰ Nb including metastable thick target yield			
5609	UJV Expt J	ARI 28 555	77 3.4+0	1.3+1	Randa+ TBL. FROM STCKD-FOIL MEASUREMENT
	Expt J	IP 11 386	75 3.4+0	1.3+1	. EXPERIMENTAL DETAILS.
	Expt 4	EXFORB0084.002 179	3.4+0	1.3+1	. 19 DATA POINTS.
		Mo(d,x) ⁹² Nb $\sigma(E)$ xfactor			
5610	UJV Expt J	ARI 28 555	77 4.9+0	1.3+1	Randa+ TBL. NAT TARGET. STCKD-FOILS.
	Expt J	IP 11 386	75 4.9+0	1.3+1	. EXPERIMENTAL DETAILS.
	Expt 4	EXFORB0084.003 179	4.9+0	1.3+1	. 18 DATA POINTS.
		Mo(d,x) ⁹² Nb thick target yield			
5611	UJV Expt J	ARI 28 555	77 4.9+0	1.3+1	Randa+ TBL. FROM STCKD-FOIL MEASUREMENT
	Expt J	IP 11 386	75 4.9+0	1.3+1	. EXPERIMENTAL DETAILS.
	Expt J	IP 5 247	69 4.9+0	1.3+1	. EARLIER EXPERIMENT.
	Expt 4	EXFORB0084.003 179	4.9+0	1.3+1	. 18 DATA POINTS.
		Mo(d,x) ⁹⁵ Nb $\sigma(E)$ xfactor			
5612	UJV Expt J	ARI 28 555	77 3.4+0	1.3+1	Randa+ TBL. NAT TARGET. STCKD-FOILS.
	Expt J	IP 11 386	75 3.4+0	1.3+1	. EXPERIMENTAL DETAILS.
	Expt 4	EXFORB0084.004 179	3.4+0	1.3+1	. 10 DATA POINTS.
		Mo(d,x) ⁹⁵ Nb thick target yield			
5613	UJV Expt J	ARI 28 555	77 3.4+0	1.3+1	Randa+ TBL. FROM STCKD-FOIL MEASUREMENT
	Expt J	IP 11 386	75 3.4+0	1.3+1	. EXPERIMENTAL DETAILS.
	Expt J	IP 5 247	69 3.4+0	1.3+1	. EARLIER EXPERIMENT.
	Expt 4	EXFORB0084.004 179	3.4+0	1.3+1	. 10 DATA POINTS.
		Mo(d,x) ⁹⁵ Nb $\sigma(E)$ xfactor			
5614	UJV Expt J	ARI 28 555	77 3.4+0	1.3+1	Randa+ TBL. NAT TARGET. STCKD-FOILS.
	Expt J	IP 11 386	75 3.4+0	1.3+1	. EXPERIMENTAL DETAILS.
	Expt 4	EXFORB0084.004 179	3.4+0	1.3+1	. 10 DATA POINTS.
		Mo(d,x) ⁹⁵ Nb thick target yield			
5615	UJV Expt J	ARI 28 555	77 3.4+0	1.3+1	Randa+ TBL. FROM STCKD-FOIL MEASUREMENT
	Expt J	IP 11 386	75 3.4+0	1.3+1	. EXPERIMENTAL DETAILS.
	Expt J	IP 5 247	69 3.4+0	1.3+1	. EARLIER EXPERIMENT.
	Expt 4	EXFORB0084.004 179	3.4+0	1.3+1	. 10 DATA POINTS.
		Mo(d,x) ⁹⁶ Nb thick target yield			
5616	UJV Expt J	ARI 28 555	77 3.4+0	1.3+1	Randa+ TBL. FROM STCKD-FOIL MEASUREMENT
	Expt J	IP 11 386	75 3.4+0	1.3+1	. EXPERIMENTAL DETAILS.
	Expt J	IP 5 247	69 3.4+0	1.3+1	. EARLIER EXPERIMENT.
	Expt 4	EXFORB0084.005 179	3.4+0	1.3+1	. 19 DATA POINTS.
		Mo(d,x) ⁹⁹ Mo thick target yield			
5617	UJV Expt J	JIN 39 2121	77 1.2+1	1.3+1	Randa+ TBL. FROM SIGMA.
	Expt J	IP 11 386	75 1.2+1		. EXPERIMENTAL DETAILS.
	Expt J	IP 5 247	69 1.2+1		. EARLIER WORK.
	Expt 4	EXFORB0103.002 N79	1.2+1	1.3+1	. 2 DATA POINTS.
	Expt 4	EXFORB0084.008 179	1.2+1		. 1 DATA POINTS.
		Mo(d,x) ¹⁰¹ Mo thick target yield			
5618	UJV Expt J	JIN 39 2121	77 1.2+1		Randa+ FROM SIGMA.
	Expt 4	EXFORB0103.003 N79	1.2+1		. 6495+-1 MUCI/MUAHR.
		Mo(d,x) ⁹⁹ Tc thick target yield			
5619	FEI Expt J	AE 40 66	176 8.1+0	2.2+1	Omitriev+ CURV. RESIDUAL ACTIVITY.
	Expt J	SJA 40 75	76 8.1+0	2.2+1	. TRANSLATION OF AE 40, 66(1976)
	Expt 4	EXFORA0009.005 478	8.1+0	2.2+1	. 7 DATA POINTS.
5620	UJV Expt J	ARI 28 555	77 1.2+1	1.3+1	Randa+ TBL. FROM STACKED FOILS.
	Expt J	IP 11 386	75 1.2+1		. EXPERIMENTAL DETAILS.
	Expt J	IP 5 247	69 1.2+1		. EARLIER WORK.

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$Mo(d,x)^{95}Tc$ thick target yield				
5620 UJV Expt 4	EXFORB0084.007	179	1.2+1	. 1 DATA POINTS.
$Mo(d,x)^{95}Tc$ product yield				
5621 BIR Expt J	JIN 28	666	66 1.8+1	Qaim. NDG. RADIOCHEM.
$Mo(d,x)^{96}Tc$ including metastable thick target yield				
5622 FEI Expt J	AE 40	66	176 8.1+0 2.2+1	Dmitriev+ CURV. RESIDUAL ACTIVITY.
Expt J	SJA 40	75	76 8.1+0 2.2+1	. TRANSLATION OF AE 40, 66(1976)
Expt 4	EXFORA0009.006	478	8.1+0 2.2+1	. 7 DATA POINTS.
5623 UJV Expt J	ARI 28	555	77 1.2+1 1.3+1	Randa+ TBL. FROM STACKED FOILS.
Expt J	IP 11	386	75 1.2+1	. EXPERIMENTAL DETAILS.
Expt J	IP 5	247	69 1.2+1	. EARLIER WORK.
Expt 4	EXFORB0084.006	179	1.2+1	. 1 DATA POINTS.
$Mo(d,x)^{97}Tc$ thick target yield				
5624 FEI Expt J	AE 40	66	176 8.1+0 2.2+1	Dmitriev+ CURV. RESIDUAL ACTIVITY.
Expt J	SJA 40	75	76 8.1+0 2.2+1	. TRANSLATION OF AE 40, 66(1976)
Expt 4	EXFORA0009.007	478	8.1+0 2.2+1	. 7 DATA POINTS.
$^{92}Mo(d,\alpha)^{90}Nb$ including metastable $\sigma(E)$				
5625 UJV Expt J	ARI 28	555	77 3.4+0 1.3+1	Randa+ TBL. NAT TARGET. STCKD-FOILS.
Expt J	IP 11	386	75 3.4+0 1.3+1	. EXPERIMENTAL DETAILS.
Expt 4	EXFORB0084.002	179	3.4+0 1.3+1	. 19 DATA POINTS.
$^{92}Mo(d,\alpha)^{90}Nb$ including metastable thick target yield				
5626 UJV Expt J	ARI 28	555	77 1.2+1 1.3+1	Randa+ TBL. FROM STACKED FOILS.
Expt J	IP 11	386	75 1.2+1 1.3+1	. EXPERIMENTAL DETAILS.
Expt J	IP 5	247	69 1.2+1 1.3+1	. EARLIER EXPERIMENT.
Expt 4	EXFORB0084.003	179	1.2+1 1.3+1	. 2 Data Points.
$^{94}Mo(d,^6Li)^{90}Zr$ partial raw $\sigma(E)$				
5627 GRN Expt J	PL/B 82	208	379 4.5+1	Saha+ CURV. INTAD(9-25DEG).
$^{94}Mo(d,2n)^{94}Tc$ $\sigma(E)$				
5628 SUL Expt J	IZV 39	2127	75 8.0+0 1.2+1	Aleksandrov+ CURV.
Expt J	BAS 39	103	76 8.0+0 1.2+1	. TRANSLATION OF IZV 39, 2127(1975)
Expt 4	EXFORA0003.002	478	8.0+0 1.2+1	. 9 DATA POINTS.
$^{94}Mo(d,n)^{95}Tc$ $\sigma(E)$				
5629 SUL Expt J	IZV 39	2127	75 5.1+0 1.2+1	Aleksandrov+ CURV.
Expt J	BAS 39	103	76 5.1+0 1.2+1	. TRANSLATION OF IZV 39, 2127(1975)
Expt 4	EXFORA0003.002	478	5.1+0 1.2+1	. 16 DATA POINTS.
$^{96}Mo(d,^6Li)^{92}Zr$ partial raw $\sigma(E)$				
5630 GRN Expt J	PL/B 82	208	379 4.5+1	Saha+ CURV. INTAD(9-25DEG).
$^{96}Mo(d,2n)^{96}Tc$ relative I_γ				
5631 TOK Expt J	NP/A 297	347	378 9.0+0 1.2+1	Madueme+ CURV. 13 GS. REL TO 231G.
Expt J	NP/A 297	347	378 8.0+0	Madueme+TBL.28G5.REL TO 231G.14KCES.55
$^{98}Mo(d,^6Li)^{94}Zr$ partial raw $\sigma(E)$				
5632 GRN Expt J	PL/B 82	208	379 4.5+1	Saha+ CURV. INTAD(9-25DEG).
$^{98}Mo(d,\alpha)^{96}Nb$ $\sigma(E)$				
5633 UJV Expt J	ARI 28	555	77 3.4+0 1.3+1	Randa+ TBL. NAT TARGET. STCKD-FOILS.
Expt J	IP 11	386	75 3.4+0 1.3+1	. EXPERIMENTAL DETAILS.
Expt 4	EXFORB0084.005	179	3.4+0 1.3+1	. 19 DATA POINTS.
5634 LPI Expt J	IZV 42	2386	78 6.0+0 1.2+1	Zerubin+ CURV. ACTIVATION ANALYSIS.
Expt J	BAS 42	145	78 6.0+0 1.2+1	. TRANSLATION OF IZV 42(11), 2386.
$^{98}Mo(d,elastic)^{98}Mo$ partial $\sigma(E)$				
5635 LPI Expt J	IZV 42	2386	78 6.0+0 1.2+1	Zerubin+ CURV. ACTIVATION ANALYSIS.
Expt J	BAS 42	145	78 6.0+0 1.2+1	. TRANSLATION OF IZV 42(11), 2386.
$^{98}Mo(d,p)^{99}Mo$ $\sigma(E)$				
5636 UJV Expt J	JIN 39	2121	77 3.4+0 1.3+1	Randa+ TBL. CURV.
Expt 4	EXFORB0103.002	N79	8.0-1 1.3+1	. 21 DATA POINTS.
5637 LPI Expt J	IZV 42	2386	78 6.0+0 1.2+1	Zerubin+ CURV. ACTIVATION ANALYSIS.
Expt J	BAS 42	145	78 6.0+0 1.2+1	. TRANSLATION OF IZV 42(11), 2386.

REFERENCES(cont)

No.	Lab	Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{98}\text{Mo}(d,p)^{99}\text{Mo}$ $\sigma(E)$ factor						
5638	LPI	Expt J IZV	42 2386	78 6.0+0	1.2+1	Zarubin+ CURV. ACTIVATION ANALYSIS.
		Expt J BAS	42 145	78 6.0+0	1.2+1	. TRANSLATION OF IZV 42(11), 2386.
$^{98}\text{Mo}(d,n)^{99}\text{Tc}$ $\sigma(E)$ factor						
5639	LPI	Expt J IZV	42 2386	78 6.0+0	1.2+1	Zarubin+ CURV. ACTIVATION ANALYSIS.
		Expt J BAS	42 145	78 6.0+0	1.2+1	. TRANSLATION OF IZV 42(11), 2386.
$^{98}\text{Mo}(d,n)^{99}\text{Tc}$ $\sigma(E)$						
5640	LPI	Expt J IZV	42 2386	78 6.0+0	1.2+1	Zarubin+ CURV. ACTIVATION ANALYSIS.
		Expt J BAS	42 145	78 6.0+0	1.2+1	. TRANSLATION OF IZV 42(11), 2386.
$^{100}\text{Mo}(d,^6\text{Li})^{96}\text{Zr}$ partial raw $\sigma(E)$						
5641	GRN	Expt J PL/B	82 208 379	4.5+1		Saha+ CURV. INTAD(9-25DEG).
		Expt J PL/B	82 208 379	4.5+1		. STRONG EXCIT. OF 1.59 0+ STATE
$^{100}\text{Mo}(d,p)^{101}\text{Mo}$ $\sigma(E)$						
5642	UVJ	Expt J JIN	39 2121 77	4.9+0	1.2+1	Randa+ TBL. CURV.
		Expt 4 EXFORB0103.003 N79	3.9+0	1.2+1		. 10 DATA POINTS.
$^{103}\text{Rh}(d,\text{absorption})$ $\sigma(E)$						
5643	IJI	Revw J FCY	6 827 75	2.2+1	2.5+1	Nemets+ TBL.
		Revw J SJPN	6 325 76	2.2+1	2.5+1	. TRANSLATION OF FCY 6.(4),827(1975).
$^{104}\text{Pd}(d,xn)$ isotopic distribution $\sigma(E)$						
5644	INU	Ext h J PR/C	16 1437 077	1.6+2		Castaneda+ CURV. X=0-4. GDHM CALC.
$^{106}\text{Pd}(d,xn)$ isotopic distribution $\sigma(E)$						
5645	INU	Ext h J PR/C	16 1437 077	1.6+2		Castaneda+ CURV. X=0-4. GDHM CALC.
$\text{Ag}(d,\text{absorption})$ $\sigma(E)$						
5646	IJI	Revw J FCY	6 827 75	1.4+1	2.5+1	Nemets+ TBL.
		Revw J SJPN	6 325 76	1.4+1	2.5+1	. TRANSLATION OF FCY 6.(4),827(1975).
$\text{Ag}(d,x)^3\text{H}$ thick target yield						
5647	BRK	Expt J PR	120 1354 60	2.4+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
		Expt J PR	107 1311 57	2.4+1		. SOME EXPERIMENTAL DETAILS.
		Expt 4 EXFORB0080.014 D78	2.4+1			. (4.65+-0.47)MB.
5648	KFK	Comp B PH-DAT	15 2 D79	2.4+1		Muenzel+ TBL. FROM EXFOR.
$\text{Ag}(d,x)^3\text{H}$ product yield						
5649	BRK	Expt J PR	120 1354 60	2.4+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
		Expt J PR	107 1311 57	2.4+1		. SOME EXPERIMENTAL DETAILS.
		Expt 4 EXFORB0080.014 D78	2.4+1			. (1.97E-5+-10PERCENT)T/INCIDENT D.
5650	UVJ	Comp B PH-DAT	15 2 D79	2.4+1		Muenzel+ TBL. FROM EXFOR
$^{107}\text{Ag}(d,t)^{106}\text{Ag}$ $\sigma(E)$						
5651	BRK	Expt J PR	120 1354 60	TR	2.4+1	Gonzalez-Vidal+CURV.STCKD FOILS APP SIG
		Expt J PR	107 1311 57	TR	2.4+1	. EXPERIMENTAL DETAILS+PRELIM. DATA
$^{107}\text{Ag}(d,t)^{106}\text{Ag}$ $\sigma(E)$						
5652	CNE	Expt J HPA	23 107 76	1.1+1	2.7+1	Lalli+ TBL. ACTIVATION.
$^{107}\text{Ag}(d,t)^{106}\text{Ag}$ thick target yield						
5653	CNE	Expt J HPA	23 107 76	1.1+1	2.7+1	Lalli+ TBL. VAR. THICK. ALSO ACTIVITIES
$^{107}\text{Ag}(d,t)^{106}\text{Ag}$ $\sigma(E)$						
5654	CNE	Expt J HPA	23 107 76	1.1+1	2.7+1	Lalli+ TBL. ACTIVATION.
$^{107}\text{Ag}(d,t)^{106}\text{Ag}/^9\text{Ag}$ ratio $\sigma(E)$						
5655	CNE	Expt J HPA	23 107 76	1.1+1	2.7+1	Lalli+ TBL. ACTIVATION.
$^{108}\text{Ag}(d,t)^{108}\text{Ag}$ $\sigma(E)$						
5656	BRK	Expt J PR	120 1354 60	TR	2.4+1	Gonzalez-Vidal+CURV.STCKD FOILS APP SIG
		Expt J PR	107 1311 57	TR	2.4+1	. EXPERIMENTAL DETAILS+PRELIM. DATA
$\text{Cd}(d,x)^3\text{H}$ thick target yield						
5657	BRK	Expt J PR	120 1354 60	2.4+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
		Expt J PR	107 1311 57	2.4+1		. SOME EXPERIMENTAL DETAILS.
		Expt 4 EXFORB0080.015 D78	2.4+1			. (8.73+-0.87)MB.
5658	KFK	Comp B PH-DAT	15 2 D79	2.4+1		Muenzel+ TBL. FROM EXFOR.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		Cd(d,x) ³ H			product yield
5659	BRK Expl J PR	120 1354	60 2.4+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS . SOME EXPERIMENTAL DETAILS.
	Expl J PR	107 1311	57 2.4+1		(3.65E-5+-10PERCENT)/INCIDENT D.
	Expl 4 EXFORB0080.015	078 2.4+1			Muenzel+ TBL. FROM EXFOR.
5660	KFK Comp B PH-DAT	15 2 079 2.4+1			
		Cd(d,x) ¹¹⁰ gCd			$\sigma(E)$ =factor
5661	CNE Expl J RCA	24 59	77 8.0+0 2.8+1		Usher+ CURV. FCT=SUM A*ABUND/AVE A
		Cd(d,x) ¹⁰⁹ gIn			$\sigma(E)$ =factor
5662	CNE Expl J RCA	24 59	77 8.0+0 2.8+1		Usher+ CURV. FCT=SUM A*ABUND/AVE A
		Cd(d,x) ¹¹⁰ gIn			$\sigma(E)$ =factor
5663	CNE Expl J RCA	24 55	77 1.1+1 2.7+1		Usher+ TBL. CURV. FCT=SUM A*ABUND/AVE A
		Cd(d,x) ¹¹⁰ gIn			$\sigma(E)$ =factor
5664	CNE Expl J RCA	24 55	77 1.1+1 2.7+1		Usher+ TBL. CURV. FCT=SUM A*ABUND/AVE A
		Cd(d,x) ¹¹¹ In			thick target yield
5665	UJV Comp R UJF-4199-B		277 8.0+0 2.2+1		Bem+ TBL.
		Cd(d,x) ¹¹¹ gIn			$\sigma(E)$ =factor
5666	CNE Expl J RCA	24 59	77 4.0+0 2.8+1		Usher+ TBL. CURV. FCT=SUM A*ABUND/AVE A
		Cd(d,x) ¹¹¹ gIn			thick target yield
5667	CNE Expl J RCA	24 59	77 9.5+0 2.6+1		Usher+ CURV. FROM SIG(E)
		Cd(d,x) ¹¹³ gIn			$\sigma(E)$ =factor
5668	CNE Expl J RCA	24 59	77 8.0+0 2.8+1		Usher+ CURV. FCT=SUM A*ABUND/AVE A
		Cd(d,x) ¹¹⁴ In			thick target yield
5669	UJV Comp R UJF-4199-B		277 9.0+0 3.0+1		Bem+ TBL.
		Cd(d,x) ¹¹⁴ gIn			$\sigma(E)$
5670	CNE Expl J IPC	13 129	79 8.9+0 2.7+1		Nassiff+ TBL. CURV. STACKED FOILS.
		Cd(d,x) ¹¹⁴ gIn			product yield
5671	CNE Expl J IPC	13 129	79 8.0+0 2.7+1		Nassiff+ CURV. 1 MEV TRGTS. FROM SIGMA.
		Cd(d,x) ¹¹⁶ gIn			Including metastable $\sigma(E)$
5672	CNE Expl J IPC	13 129	79 9.2+0 2.3+1		Nassiff+ TBL. CURV. STACKED FOILS.
		Cd(d,x) ¹¹⁶ gIn			Including metastable product yield
5673	CNE Expl J IPC	13 129	79 8.0+0 2.7+1		Nassiff+ TBL. 1 MEV TRGTS. FROM SIGMA.
		¹⁰⁶ Cd(d,3n) ¹⁰⁵ gIn			product yield
5674	GRE Expl J RCA	22 27	75 1.9+1 3.1+1		Rivier+ NDG. T1/2=(5.1+-0.3)MIN.
		¹⁰⁶ Cd(d,3n) ¹⁰⁵ gIn			product yield
5675	GRE Expl J RCA	22 27	75 1.9+1 3.1+1		Rivier+ NDG. T1/2=(55+5)SEC.
		¹⁰⁶ Cd(d,n) ¹⁰⁹ gIn			$\sigma(E)$ =factor
5676	CNE Expl J RCA	24 59	77 8.0+0 2.8+1		Usher+ CURV. EST. FROM LANG-MUNZEL SYS
		¹¹⁰ Cd(d,3n) ¹⁰⁹ gIn			$\sigma(E)$ =factor
5677	CNE Expl J RCA	24 59	77 1.6+1 2.8+1		Usher+ CURV. EST. FROM LANG-MUNZEL SYS
		¹¹⁰ Cd(d,2n) ¹¹⁰ gIn			$\sigma(E)$ =factor
5678	CNE Expl J RCA	24 55	77 1.0+1 2.8+1		Usher+ CURV. EST FROM LANG-MUNZEL SYS
		¹¹⁰ Cd(d,2n) ¹¹⁰ gIn			$\sigma(E)$
5679	CNE Expl J RCA	24 55	77 1.1+1 2.4+1		Usher+ TBL. CURV. NAT. TARGET
		¹¹⁰ Cd(d,2n) ¹¹⁰ gIn			$\sigma(E)$ =factor
5680	CNE Expl J RCA	24 55	77 1.0+1 2.8+1		Usher+ CURV. EST FROM LANG-MUNZEL SYS
		¹¹⁰ Cd(d,2n) ¹¹⁰ gIn			$\sigma(E)$
5681	CNE Expl J RCA	24 55	77 1.1+1 2.4+1		Usher+ TBL. CURV. NAT. TARGET
		¹¹⁰ Cd(d,2n) ¹¹⁰ gIn			ratio $\sigma(E)$
5682	CNE Expl J RCA	24 55	77 1.1+1 2.4+1		Usher+ TBL. CURV.

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author. Comments
$^{110}\text{Cd}(d,n)^{111}\text{In}$	thick target yield=abundance			
5683 AML Revw J IRE	26 2281 479 1.2+1			Chaudri. TBL. CFD EXP. TO CALC.
$^{110}\text{Cd}(d,n)^{111}\text{gIn}$	$\sigma(E)$ =factor			
5684 CNE Expt J RCA	24 59 77 8.0+0 2.8+1			Usher+ CURV. EST. FROM LANG-MUNZEL SYS
$^{111}\text{Cd}(d,3n)^{110}\text{gIn}$	$\sigma(E)$ =factor			
5685 CNE Expt J RCA	24 55 77 1.7+1 2.8+1			Usher+ CURV. EST FROM LANG-MUNZEL SYS
$^{111}\text{Cd}(d,3n)^{110}\text{gIn}$	$\sigma(E)$			
5686 CNE Expt J RCA	24 55 77 1.8+1 2.7+1			Usher+ TBL. CURV. NAT. TARGET.
$^{111}\text{Cd}(d,3n)^{110}\text{gIn}$	$\sigma(E)$ =factor			
5687 CNE Expt J RCA	24 55 77 1.7+1 2.8+1			Usher+ CURV. EST FROM LANG-MUNZEL SYS
$^{111}\text{Cd}(d,3n)^{110}\text{gIn}$	$\sigma(E)$			
5688 CNE Expt J RCA	24 55 77 1.8+1 2.7+1			Usher+ TBL. CURV. NAT. TARGET.
$^{111}\text{Cd}(d,3n)^{110}\text{gIn}$	ratio $\sigma(E)$			
5689 CNE Expt J RCA	24 55 77 2.1+1 2.7+1			Usher+ TBL. CURV.
$^{111}\text{Cd}(d,2n)^{111}\text{gIn}$	$\sigma(E)$ =factor			
5690 CNE Expt J RCA	24 59 77 8.0+0 2.8+1			Usher+ CURV. EST. FROM LANG-MUNZEL SYS
$^{112}\text{Cd}(d,3n)^{111}\text{gIn}$	$\sigma(E)$ =factor			
5691 CNE Expt J RCA	24 59 77 1.5+1 2.8+1			Usher+ CURV. EST. FROM LANG-MUNZEL SYS
$^{112}\text{Cd}(d,n)^{113}\text{gIn}$	$\sigma(E)$ =factor			
5692 CNE Expt J RCA	24 59 77 8.0+0 2.8+1			Usher+ CURV. EST. FROM LANG-MUNZEL SYS
$^{113}\text{Cd}(d,4n)^{111}\text{gIn}$	$\sigma(E)$ =factor			
5693 CNE Expt J RCA	24 59 77 8.0+0 2.8+1			Usher+ CURV. EST. FROM LANG-MUNZEL SYS
$^{113}\text{Cd}(d,2n)^{113}\text{gIn}$	$\sigma(E)$ =factor			
5694 CNE Expt J RCA	24 59 77 8.0+0 2.8+1			Usher+ CURV. EST. FROM LANG-MUNZEL SYS
$^{114}\text{Cd}(d,p)^{115}\text{gCd}$	$\sigma(E)$ =factor			
5695 CNE Expt J RCA	24 59 77 8.0+0 2.8+1			Usher+ CURV. EST. FROM LANG-MUNZEL SYS
$^{114}\text{Cd}(d,p)^{115}\text{gCd}$	$\sigma(E)$			
5696 CNE Expt J RCA	24 59 77 8.0+0 2.8+1			Usher+ CURV. ACT. METHOD. NAT. TARGET.
$^{114}\text{Cd}(d,3n)^{113}\text{gIn}$	$\sigma(E)$ =factor			
5697 CNE Expt J RCA	24 59 77 1.5+1 2.8+1			Usher+ CURV. EST. FROM LANG-MUNZEL SYS
$^{115}\text{Cd}(d,t)^{115}\text{gCd}$	$\sigma(E)$ =factor			
5698 CNE Expt J RCA	24 59 77 1.5+1 2.8+1			Usher+ CURV. EST. FROM LANG-MUNZEL SYS
$^{115}\text{Cd}(d,p)^{117}\text{gCd}$	$\sigma(E)$			
5699 LIN Expt J IZV	40 2229 76 7.8+0 1.2+1			Zarubin+ CURV. ACT. ANALYSIS.
Expt J BAS	40 177 76 7.8+0 1.2+1			. TRANSLATION OF IZV 40,2229(1976)
$^{116}\text{Cd}(d,p)^{117}\text{gCd}$	$\sigma(E)$			
5700 LIN Expt J IZV	40 2229 76 7.8+0 1.2+1			Zarubin+ CURV. ACT. ANALYSIS.
Expt J BAS	40 177 76 7.8+0 1.2+1			. TRANSLATION OF IZV 40,2229(1976)
$^{116}\text{Cd}(d,p)^{117}\text{gCd}$	ratio $\sigma(E)$			
5701 LIN Expt J IZV	40 2229 76 7.8+0 1.2+1			Zarubin+ CURV. FRM EXC. FUNC.
Expt J BAS	40 177 76 7.8+0 1.2+1			. TRANSLATION OF IZV 40,2229(1976)
$^{116}\text{Cd}(d,2n)^{116}\text{In}$	$\sigma(E)$			
5702 LIN Expt J IZV	40 2229 76 7.8+0 1.2+1			Zarubin+ CURV. ACT. ANALYSIS.
Expt J BAS	40 177 76 7.8+0 1.2+1			. TRANSLATION OF IZV 40,2229(1976)
$^{116}\text{Cd}(d,n)^{117}\text{gIn}$	$\sigma(E)$			
5703 LIN Expt J IZV	40 2229 76 7.8+0 1.2+1			Zarubin+ CURV. ACT. ANALYSIS.
Expt J BAS	40 177 76 7.8+0 1.2+1			. TRANSLATION OF IZV 40,2229(1976)
$^{116}\text{Cd}(d,n)^{117}\text{gIn}$	$\sigma(E)$			
5704 LIN Expt J IZV	40 2229 76 7.8+0 1.2+1			Zarubin+ CURV. ACT. ANALYSIS.
Expt J BAS	40 177 76 7.8+0 1.2+1			. TRANSLATION OF IZV 40,2229(1976)

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{110}\text{Cd}(d,n)^{117\text{m/g}}\text{In}$ ratio $\sigma(E)$				
5705 LIN Expt J 12V	40 2229	76	7.8+0 1.2+1	Zarubin+ CURV. FRM EXC. FUNC.
Expt J BAS	40 177	76	7.8+0 1.2+1	. TRANSLATION OF 12V 40,2229(1976)
$\text{In}(d,x)^{113}\text{Sn}$ including metastable? thick target yield				
5706 FEI Expt J AE	39 135	75	7.0+0 2.2+1	Dmitriev+ CURV. AREA ANALYSIS.
Expt J SJA	39 734	75	7.0+0 2.2+1	. TRANSLATION OF AE 39, 135(1975)
Expt 4 EXFORA0004	.003 478	7.0+0 2.2+1		. 6 DATA POINTS.
$\text{Sn}(d,\text{absorption})$ $\sigma(E)$				
5707 IJI Revv J FCY	6 827	75	1.3+1 2.5+1	Nemets+ TBL.
Revv J SJPN	6 325	76	1.3+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).
$\text{Sn}(d,x)^3\text{H}$ thick target yield				
5708 BRK Expt J PR	120 1354	60	2.4+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
Expt J PR	107 1311	57	2.4+1	. SOME EXPERIMENTAL DETAILS.
Expt 4 EXFORB0080	.016 078	2.4+1		. (15.68+-1.60)MB.
5709 KFK Comp B PH-DAT	15 2 079	2.4+1		Muenzel+ TBL. FROM EXFOR.
$\text{Sn}(d,x)^3\text{H}$ product yield				
5710 BRK Expt J PR	120 1354	60	2.4+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
Expt J PR	107 1311	57	2.4+1	. SOME EXPERIMENTAL DETAILS.
Expt 4 EXFORB0080	.016 078	2.4+1		. (6.35E-5+-10PERCENT)/INCIDENT D.
5711 KFK Comp B PH-DAT	15 2 079	2.4+1		Muenzel+ TBL. FROM EXFOR.
$^{110}\text{Sn}(d,x)$ direct-interaction $\sigma(E)$				
5712 BON Exth J NP/A	311 141	N78	2.6+1	Pampus+ TBL. INT. E/A. SUM BREAKUP+INL.
$^{110}\text{Sn}(d,x)$ direct-interaction $\sigma(E)$ factor				
5713 BON Exth J NP/A	311 141	N78	2.6+1	Pampus+ TBL. INT. E/A. DIRECT/REACTION
$^{110}\text{Sn}(d,\text{absorption})$ $\sigma(E)$				
5714 BON Exth J NP/A	311 141	N78	2.6+1	Pampus+ TBL. INT. E/A.
$^{110}\text{Sn}(d,\text{absorption})$ $\sigma(E)$ factor				
5715 BON Exth J NP/A	311 141	N78	2.6+1	Pampus+ TBL. INT. E/A. BREAKUP/REACTION
Exth J NP/A	311 141	N78	2.6+1	Pampus+ TBL. INT. E/A. DIRECT/REACTION
$^{110}\text{Sn}(d,x)^1\text{H}$ $\sigma(E)$				
5716 BON Exth J NP/A	311 141	N78	2.6+1	Pampus+ TBL. INT. E/A.
$^{110}\text{Sn}(d,x)^1\text{H}$ partial $\sigma(E)$				
5717 BON Exth J NP/A	311 141	N78	2.6+1	Pampus+ TBL. INT. E/A. BREAKUP PS.
$^{110}\text{Sn}(d,x)^1\text{H}$ partial $\sigma(E)$ factor				
5718 BON Exth J NP/A	311 141	N78	2.6+1	Pampus+ TBL. INT. E/A. BREAKUP/REACTION
$^{110}\text{Sn}(d,\text{inelastic})^{110}\text{Sn}$ $\sigma(E)$				
5719 BON Exth J NP/A	311 141	N78	2.6+1	Pampus+ TBL. INT. E/A.
$\text{Sb}(d,x)^{121\text{m/g}}\text{Te}$ ratio $\sigma(E)$				
5720 FEI Expt J AE	42 148	277	1.0+1 2.2+1	Dmitriev+ EST. FRM DIFFER. TTY.
Expt J SJA	42 168	77	1.0+1 2.2+1	.TRANSLATION OF AE 42(2), 148(1977)
$^{121}\text{Sb}(d,2n)^{121}\text{Te}$ partial relative $\sigma(E)$				
5721 ROS Expt J NP/A	329 157	079	1.4+1	Hagemann+ TBL. 36 GS. ALSO A2,A4,ALPHA
$^{121}\text{Sb}(d,2n)^{121\text{g}}\text{Te}$ thick target yield=abundance				
5722 FEI Expt J AE	42 148	277	7.1+0 2.2+1	Dmitriev+ TBL. CURV. C1/A-H
Expt J SJA	42 168	77	7.1+0 2.2+1	.TRANSLATION OF AE 42(2), 148(1977)
Expt 4 EXFORA0017	.003 379	7.1+0 2.2+1		. 6 DATA POINTS.
$^{121}\text{Sb}(d,2n)^{121\text{m}}\text{Te}$ thick target yield=abundance				
5723 FEI Expt J AE	42 148	277	7.1+0 2.2+1	Dmitriev+ TBL. CURV. C1/A-H
Expt J SJA	42 168	77	7.1+0 2.2+1	.TRANSLATION OF AE 42(2), 148(1977)
Expt 4 EXFORA0017	.003 379	7.1+0 2.2+1		. 6 DATA POINTS.
$^{123}\text{Sb}(d,2n)^{123\text{g}}\text{Te}$ thick target yield=abundance				
5724 FEI Expt J AE	42 148	277	7.1+0 2.2+1	Dmitriev+ TBL. CURV. C1/A-H
Expt J SJA	42 168	77	7.1+0 2.2+1	.TRANSLATION OF AE 42(2), 148(1977)
Expt 4 EXFORA0017	.003 379	7.1+0 2.2+1		. 6 DATA POINTS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		¹²² Te(d,n) ¹²³ I				thick target yield
5725	AML Revw J	IRE 26	2281	479	6.0+0	9.0+0 Chaudri. TBL. CFD EXP. TO CALC.
5726	UVJ Comp R	UJF-4199-B	277	6.4+0	9.0+0	Bem+ TBL. 95.4%TE122.
		¹²² Te(d,n) ¹²³ I				thick target yield x factor
5727	UVJ Comp R	UJF-4199-B	277	6.4+0	9.0+0	Bem+ TBL. 95.4%TE122.
		¹²² Te(d,x)I ₁₂₂ capture distribution				thick target yield x factor
5728	UVJ Comp R	UJF-4199-B	277	6.4+0	9.0+0	Bem+ TBL. 95.4%TE122. 5 CONTAMINANT I
		¹³⁰ Te(d,p) ¹³¹ Te				σ(E)
5729	KTO Exth J	BCR 52	170	174	4.3+0	1.4+1 Okamura+ TBL. CURV. NEW CALC. METH.
		¹³⁰ Te(d,p) ^{131m} Te				σ(E)
5730	KTO Exth J	BCR 52	170	174	4.3+0	1.4+1 Okamura+ TBL. CURV. NEW CALC. METH.
		¹²⁷ I(d,x) ¹¹⁹ I				cumulative? σ(E)
5731	JUL Expt J	ARI 25	535	74	8.5+1	9.0+1 Heinrich+ CURV. STACKED FOILS.
		¹²⁷ I(d,x) ¹²⁰ I				cumulative? σ(E)
5732	JUL Expt J	ARI 25	535	74	8.0+1	9.0+1 Heinrich+ CURV. STACKED FOILS.
		¹²⁷ I(d,x) ¹²¹ I				σ(E)
5733	JUL Comp J	NIM 146	301	077	6.5+1	9.5+1 Schull. CURV. ARI 25, 535(1974)
	Expt J	ARI 25	535	74	6.5+1	9.5+1 Heinrich+ CURV. STACKED FOILS.
		¹²⁷ I(d,x) ¹²¹ I				thick target yield
5734	JUL Expt J	ARI 25	535	74	7.8+1	Weinrich+ 0.69MC1/MUAH. FRM STCKD FOILS
		¹²⁷ I(d,x) ¹²³ I				cumulative? thick target yield
5735	JUL Revw C	78HARMEL	667	78	NDG	Stocklin+CURV.FUNC. OF A.JUL-CONF-20.1
		¹²⁷ I(d,Sn+p) ¹²³ I				σ(E)
5736	JUL Comp J	NIM 146	301	077	5.2+1	9.5+1 Schull. CURV. ARI 25, 535(1974)
		¹²⁷ I(d,x) ¹²⁴ I				σ(E)
5737	JUL Comp J	NIM 146	301	077	4.1+1	9.5+1 Schull. CURV. ARI 25, 535(1974)
	Expt J	ARI 25	535	74	4.1+1	9.5+1 Heinrich+ CURV. STACKED FOILS.
		¹²⁷ I(d,x) ¹²⁶ I				σ(E)
5738	JUL Comp J	NIM 146	301	077	1.4+1	9.5+1 Schull. CURV. ARI 25, 535(1974)
	Expt J	ARI 25	535	74	1.4+1	9.5+1 Heinrich+ CURV. STACKED FOILS.
		¹²⁷ I(d,In) ¹¹⁸ Xe				cumulative σ(E)
5739	JUL Comp J	NIM 146	301	077	9.0+1	9.5+1 Schull. CURV. ARI 25, 535(1974)
	Expt J	ARI 25	535	74	9.0+1	9.5+1 Heinrich+ CURV. STACKED FOILS.
		¹²⁷ I(d,Sn) ¹²⁰ Xe				cumulative σ(E)
5740	JUL Comp J	NIM 146	301	077	8.0+1	9.5+1 Schull. CURV. ARI 25, 535(1974)
	Expt J	ARI 25	535	74	5.0+0	9.0+1 Heinrich+ CURV. X=2,4,6-9. STACKED FOIL
		¹²⁷ I(d,Sn) ¹²¹ Xe				σ(E)
5741	JUL Comp J	NIM 146	301	077	7.5+1	9.5+1 Schull. CURV. ARI 25, 535(1974)
	Expt J	ARI 25	535	74	5.0+0	9.0+1 Heinrich+ CURV. X=2,4,6-9. STACKED FOIL
		¹²⁷ I(d,Sn) ¹²¹ Xe				thick target yield
5742	JUL Expt J	ARI 25	535	74	7.8+1	Weinrich+ 0.40MC1/MUAH. FRM STCKD FOILS
		¹²⁷ I(d,Sn) ¹²¹ Xe				product yield
5743	JUL Expt J	ARI 25	535	74	7.8+1	Weinrich+ TBL. X=2,4,6,8. 14MEV THICK.
		¹²⁷ I(d,Sn) ¹²¹ Xe				average σ(E)
5744	JUL Expt J	ARI 25	535	74	6.4+1	7.8+1 Weinrich+TBL.X=2,4,6-9.FRM STCKD FOILS.
		¹²⁷ I(d,7n) ¹²² Xe				σ(E)
5745	JUL Comp J	NIM 146	301	077	5.5+1	9.5+1 Schull. CURV. ARI 25, 535(1974)
	Expt J	ARI 25	535	74	5.0+0	9.0+1 Heinrich+ CURV. X=2,4,6-9. STACKED FOIL
		¹²⁷ I(d,7n) ¹²² Xe				product yield
5746	JUL Expt J	ARI 25	535	74	7.8+1	Weinrich+ TBL. X=2,4,6,8. 14MEV THICK.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{127}\text{I}(d,7n)^{122}\text{Xe}$ average $\sigma(E)$							
5747	JUL	Expt J ARI	25	535	74	6.4+1	7.8+1 Weinrich+TBL.X=2,4,6-9.FRM STCKD FOILS.
$^{127}\text{I}(d,6n)^{123}\text{Xe}$ $\sigma(E)$							
5748	JUL	Revw C 78HARWEL	667	78	5.8+1	8.9+1	Stocklin+ CURV. FROM ARI 25, 535.
		Comp J NIM	146	301	077	4.5+1	9.5+1 Schult. CURV. ARI 25, 535(1974)
		Expt J ARI	25	535	74	4.5+1	9.0+1 Weinrich+ CURV. X=2,4,6-9. STACKED FOIL
$^{127}\text{I}(d,6n)^{123}\text{Xe}$ thick target yield							
5749	AML	Revw J IRE	26	2281	479	7.8+1	Chaudri. TBL. CFD EXP. TO CALC.
5750	JUL	Revw J JRC	30	53	76	8.3+1	Weinreich+ TBL. PARENT 1123.
$^{127}\text{I}(d,6n)^{123}\text{Xe}$ product yield							
5751	JUL	Comp J NIM	146	301	077	6.8+1	Schult. THICK=14MEV. 8MILLICI/MICROA-H.
5752	JUL	Revw R JUEL-1551		N78	7.8+1		Kupfernagel+ NDG. LABELLED FATTY ACIDS.
5753	JUL	Expt J ARI	25	535	74	7.8+1	Weinrich+ TBL. X=2,4,6,8. 14MEV THICK.
$^{127}\text{I}(d,6n)^{123}\text{Xe}$ average $\sigma(E)$							
5754	JUL	Expt J ARI	25	535	74	6.4+1	7.8+1 Weinrich+TBL.X=2,4,6-9.FRM STCKD FOILS.
$^{127}\text{I}(d,4n)^{125}\text{Xe}$ $\sigma(E)$							
5755	JUL	Comp J NIM	146	301	077	2.5+1	9.5+1 Schult. CURV. ARI 25, 535(1974)
		Expt J ARI	25	535	74	5.0+0	9.0+1 Weinrich+ CURV. X=2,4,6-9. STACKED FOIL
$^{127}\text{I}(d,4n)^{125}\text{Xe}$ product yield							
5756	JUL	Expt J ARI	25	535	74	7.8+1	Weinrich+ TBL. X=2,4,6,8. 14MEV THICK.
$^{127}\text{I}(d,4n)^{125}\text{Xe}$ average $\sigma(E)$							
5757	JUL	Expt J ARI	25	535	74	6.4+1	7.8+1 Weinrich+TBL.X=2,4,6-9.FRM STCKD FOILS.
$^{127}\text{I}(d,2n)^{127}\text{Xe}$ thick target yield							
5758	IKO	Expt J ARI	30	63	79	2.6+1	Schimmel+ ^{127}Xe PROD. 60MC1/MUAHR
$^{127}\text{I}(d,2n)^{127}\text{Xe}$ $\sigma(E)$							
5759	JUL	Comp J NIM	146	301	077	1.0+1	9.5+1 Schult. CURV. ARI 25, 535(1974)
		Expt J ARI	25	535	74	5.0+0	9.0+1 Weinrich+ CURV. X=2,4,6-9. STACKED FOIL
$^{127}\text{I}(d,2n)^{127}\text{Xe}$ product yield							
5760	JUL	Expt J ARI	25	535	74	7.8+1	Weinrich+ TBL. X=2,4,6,8. 14MEV THICK.
$^{127}\text{I}(d,2n)^{127}\text{Xe}$ average $\sigma(E)$							
5761	JUL	Expt J ARI	25	535	74	6.4+1	7.8+1 Weinrich+TBL.X=2,4,6-9.FRM STCKD FOILS.
$^{127}\text{I}(d,xn+p)$ isotopic distribution average $\sigma(E)$							
5762	JUL	Expt J ARI	25	535	74	6.4+1	7.8+1 Weinrich+TBL.X=2,4,5,7.FRM STCKD FOILS.
$^{127}\text{I}(d,xn+p)$ isotopic distribution product yield							
5763	JUL	Expt J ARI	25	535	74	7.8+1	Weinrich+ TBL. X=2,4,5. 14MEV THICK.
$^{133}\text{Cs}(d,2n)^{133}\text{Ba}$ thick target yield							
5764	FEI	Expt J AE	35	61	73	9.1+0	2.2+1 Dmitriev+ CURV. CSCL AND CSNO3.
		Expt J SJA	35	681	174	9.1+0	2.2+1 .TRANSLATION OF AE 35, 61(1973).
		Expt 4 EXFORA0002.005	478	9.1+0	2.2+1		. 6 DATA POINTS.
$^{133}\text{Cs}(d,x)^{133}\text{Ba}$ excluding metastable thick target yield							
5765	UK	Expt J ARI	28	323	377	1.6+1	Neirinky. NEGLIGIBLE.
$^{133}\text{Cs}(d,x)^{133}\text{Ba}$ thick target yield*factor							
5766	UK	Expt J ARI	28	323	377	1.6+1	Neirinky. (1.1+-0.1)MC1/MUA-HOUR.
$^{133}\text{Cs}(d,2n)^{133}\text{Ba}$ thick target yield							
5767	FEI	Expt J AE	35	61	73	9.1+0	2.2+1 Dmitriev+ CURV. CSCL AND CSNO3.
		Expt J SJA	35	681	174	9.1+0	2.2+1 .TRANSLATION OF AE 35, 61(1973).
		Expt 4 EXFORA0002.004	478	9.1+0	2.2+1		. 6 DATA POINTS.
$^{133}\text{Cs}(d,2n)^{133}\text{Ba}/^{98}\text{Ba}$ ratio $\sigma(E)$							
5768	FEI	Expt J AE	35	61	73	9.1+0	2.2+1 Dmitriev+ CURV. BY DIFFER. TTY DATA
		Expt J SJA	35	681	174	9.1+0	2.2+1 .TRANSLATION OF AE 35, 61(1973).
$^{138}\text{Ba}(d,\gamma)^{140}\text{La}$ $\sigma(E)$							
5769	GOE	Expt J ZP/A	291	377	79	8.0+0	2.6+1 Kantus+ CURV. TBL. CFD CALC.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		¹³⁸ Ba(d,y) ¹⁴⁰ La compound-nucleus σ(E)			
5770	GOE Expt J ZP/A	291 377 79 5.0+0 1.6+1	Kantus+	CURV. TBL. FROM GDR.	
		¹³⁸ La(d,y) ¹⁴¹ Ce σ(E)			
5771	GOE Expt J ZP/A	291 377 79 2.3+1	Kantus+	TBL. REV. OF MAX SIG. CFD. CALC	
		¹⁴² Nd(d,2n) ¹⁴² Pm relative I _y			
5772	ROS Expt J NP/A	2/4 61 076 1.4+1	Funke+	TBL. EG=.0264 TO .7568.	
		¹⁴³ Nd(d,2n) ¹⁴³ Pm partial relative σ(E)			
5773	ROS Expt J NP/A	333 33 180 1.4+1	Prade+	TBL. 25 GS. ALSO A2,A4.	
		¹⁴⁸ Nd(d,2n) ¹⁴⁸ Pm σ(E)			
5774	MUN Expt J PR/C	16 160 777 5.5+0 5.4+1	Aumann+	CURV. Expt 4 EXFORB0086.003 379 6.5+0 5.2+1 . 30 DATA POINTS.	
		¹⁴⁸ Nd(d,2n) ¹⁴⁸ Pm σ(E)			
5775	MUN Expt J PR/C	16 160 777 5.5+0 5.4+1	Aumann+	CURV. Expt 4 EXFORB0086.003 379 6.5+0 5.2+1 . 30 DATA POINTS.	
		¹⁴⁸ Nd(d,2n) ¹⁴⁸ Pm ratio σ(E)			
5776	MUN Expt J PR/C	16 160 777 8.0+0 1.8+1	Aumann+	CURV. EXP. AND CALC. Expt 4 EXFORB0086.003 379 6.5+0 5.2+1 . 30 DATA POINTS.	
		¹⁴⁴ Sm(d,2n) ¹⁴⁴ Eu relative I _y			
5777	ROS Expt J NP/A	274 61 076 1.4+1	Funke+	TBL. EG=.0076 TO .4507.	
		¹⁵⁰ Sm(d,xn)isotopic distribution σ(E)			
5778	INU Exth J PR/C	17 1001 378 5.4+1 7.7+1	Fleissner+	TBL. GDHM. CFD L16 EXP+CALC	
	Exth J PR/C	17 1001 378 6.6+1	Fleissner+	CURV. GDHM. CFD L16 EXP+CALC	
		¹⁵⁸ Tb(d,3n) ¹⁵⁸ Dy partial relative σ(E)			
5779	CBR Exth J NP/A	279 251 377 1.8+1 2.4+1	Dracoulis+	CURV. G.S. BAND. TWO MODELS.	
		¹⁶⁵ Ho(d,3n) ¹⁶⁴ Er partial relative σ(E)			
5780	CBR Exth J NP/A	279 251 377 1.8+1 2.4+1	Dracoulis+	CURV. G.S. BAND. TWO MODELS.	
		¹⁶⁹ Ta(d,3n) ¹⁶⁸ Yb partial relative σ(E)			
5781	CBR Exth J NP/A	279 251 377 1.8+1 2.4+1	Dracoulis+	CURV. G.S. BAND. TWO MODELS.	
		¹⁷⁸ Hf(d,2n) ¹⁷⁸ Ta relative I _y			
5782	ROS Expt J NP/A	315 317 379 1.4+1	Dubbers+	TBL. 41 GS. ALSO A2.	
		Ta(d,absorption) σ(E)			
5783	IJI Revv J FCY	6 827 75 2.2+1 2.5+1	Nemisz+	TBL. Revv J SJPN 6 325 76 2.2+1 2.5+1 . TRANSLATION OF FCY 6,(4),827(1975).	
		¹⁸¹ Ta(d,x) direct-interaction σ(E)			
5784	BON Exth J NP/A	311 141 N78 2.6+1	Pampus+	TBL. INT. E/A. SUM BREAKUP+INL.	
		¹⁸¹ Ta(d,x) direct-interaction σ(E)=factor			
5785	BON Exth J NP/A	311 141 N78 2.6+1	Pampus+	TBL. INT. E/A. DIRECT/REACTION	
		¹⁸¹ Ta(d,absorption) σ(E)			
5786	BON Exth J NP/A	311 141 N78 2.6+1	Pampus+	TBL. INT. E/A.	
		¹⁸¹ Ta(d,absorption) σ(E)=factor			
5787	BON Exth J NP/A	311 141 N78 2.6+1	Pampus+	TBL. INT. E/A. BREAKUP/REACTION	
	Exth J NP/A	311 141 N78 2.6+1	Pampus+	TBL. INT. E/A. DIRECT/REACTION	
		¹⁸¹ Ta(d,x) ¹⁸¹ H σ(E)			
5788	BON Exth J NP/A	311 141 N78 2.6+1	Pampus+	TBL. INT. E/A.	
		¹⁸¹ Ta(d,x) ¹⁸¹ H partial σ(E)			
5789	BON Exth J NP/A	311 141 N78 2.6+1	Pampus+	TBL. INT. E/A. BREAKUP PS.	
		¹⁸¹ Ta(d,x) ¹⁸¹ H partial σ(E)=factor			
5790	BON Exth J NP/A	311 141 N78 2.6+1	Pampus+	TBL. INT. E/A. BREAKUP/REACTION	
		¹⁸¹ Ta(d,6n+σ) ¹⁷³ Hf σ(E)			
5791	BNL Theo C 77BNL	491 77 6.0+1 1.0+2	Divadeenam,	CURV. GDH+PREEQUILIBRIUM.	

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{181}\text{Ta}(d,6n\alpha)^{173}\text{Hf}$ $\sigma(E)$			
5792	JUL Expt J NP/A	228	180	74 6.3+1 8.0+1	Bisplinghoff+ TBL. CURV.
		$^{181}\text{Ta}(d,4n\alpha)^{175}\text{Hf}$ $\sigma(E)$			
5793	JUL Expt J NP/A	228	180	74 4.6+1 6.1+1	Bisplinghoff+ TBL. CURV.
		$^{181}\text{Ta}(d,2p)^{181}\text{Hf}$ $\sigma(E)$			
5794	JUL Expt J NP/A	228	180	74 3.8+1 7.9+1	Bisplinghoff+ TBL. CURV.
		$^{181}\text{Ta}(d,4n+p)^{178}\text{Ta}$ $\sigma(E)$			
5795	BNL Theo C 77BNL	491	77 4.0+1 1.0+2	Divadeenam. CURV. GDH+PREEQUILIBRIUM.	
5796	JUL Expt J NP/A	228	180	74 4.2+1 8.0+1	Bisplinghoff+ TBL. CURV.
		$^{181}\text{Ta}(d,\text{inelastic})^{181}\text{Ta}$ $\sigma(E)$			
5797	BON Exth J NP/A	311	141	N78 2.6+1	Pampus+ TBL. INT. E/A.
		$^{181}\text{Ta}(d,p)^{182}\text{Ta}$ $\sigma(E)$			
5798	JUL Expt J NP/A	228	180	74 1.2+1 7.9+1	Bisplinghoff+ TBL. CURV.
		$^{181}\text{Ta}(d,8n)^{175}\text{W}$ $\sigma(E)$			
5799	BNL Theo C 77BNL	491	77 6.0+1 1.0+2	Divadeenam. CURV. GDH+PREEQUILIBRIUM.	
5800	JUL Expt J NP/A	228	180	74 6.5+1 8.0+1	Bisplinghoff+ TBL. CURV.
		$^{181}\text{Ta}(d,7n)^{176}\text{W}$ $\sigma(E)$			
5801	BNL Theo C 77BNL	491	77 4.0+1 1.0+2	Divadeenam. CURV. GDH+PREEQUILIBRIUM.	
5802	JUL Expt J NP/A	228	180	74 5.5+1 8.0+1	Bisplinghoff+ TBL. CURV.
		$^{181}\text{Ta}(d,6n)^{177}\text{W}$ $\sigma(E)$			
5803	BNL Theo C 77BNL	491	77 4.0+1 1.0+2	Divadeenam. CURV. GDH+PREEQUILIBRIUM.	
5804	JUL Expt J NP/A	228	180	74 4.4+1 8.0+1	Bisplinghoff+ TBL. CURV.
		$^{181}\text{Ta}(d,5n)^{178}\text{W}$ $\sigma(E)$			
5805	BNL Theo C 77BNL	491	77 2.5+1 1.0+2	Divadeenam. CURV. GDH+PREEQUILIBRIUM.	
5806	JUL Expt J NP/A	228	180	74 3.8+1 7.9+1	Bisplinghoff+ TBL. CURV.
		$^{190}\text{Os}(d,2n)^{190m/9}\text{Ir}$ ratio $\sigma(E)$			
5807	BUC Rev J APH	2	133	77 1.2+1 1.4+1	Poenaru. CURV. FUNC. OF ANG. MOMENTUM.
		$^{192}\text{Os}(d,p)^{193}\text{Os}$ partial $\sigma(E)$ =factor			
5808	FSU Expt J ZP/A	285	405	78 1.2+1	Benson+ TBL. ALSO ANG. DIS.
		$^{192}\text{Os}(d,3n)^{191}\text{Ir}$ relative I_γ			
5809	IBJ Expt J NP/A	313	191	179 1.9+1 2.8+1	Lukasik+ CURV. 6 GAMMAS REL TO 445.5G
	Expt J NP/A	313	191	179 2.3+1	Lukasik+ TBL. 72 GAMMAS. ALSO A2,A4.
		$^{191}\text{Ir}(d,2n)^{191}\text{Pt}$ relative I_γ			
5810	ROS Expt J NP/A	293	314	077 1.4+1	Kennitz+ TBL. 24 GAMMAS. ALSO LEG COEF.
		$^{198}\text{Pt}(d,2n)^{198m/9}\text{Au}$ ratio $\sigma(E)$			
5811	BUC Rev J APH	2	133	77 1.0+1 1.4+1	Poenaru. CURV. FUNC. OF ANG. MOMENTUM.
		$^{197}\text{Au}(d,\text{fission})$ binary $\sigma(E)$			
5812	KFK Comp B PH-DAT	15	1	079 2.0+3	Muenzel+ TBL. FROM EXFOR.
5813	STR Exth J PR/C	8	1500	73 2.0+3	Rahimi+ (157+-20)MB. TRACK DETECTOR.
	Exth 4 EXFORB0008.010	076	2.0+3		. 1 ENTRY
		$^{197}\text{Au}(d,\text{fission})$ ternary/binary ratio $\sigma(E)$			
5814	KFK Comp B PH-DAT	15	1	079 2.0+3	Muenzel+ TBL. FROM EXFOR.
5815	STR Exth J PR/C	8	1500	73 2.0+3	Rahimi+ (1.96+-0.3) PER CENT
	Exth 4 EXFORB0008.076	2.0+3			. ENTRY REPEATED IN TWO SUBACC.
		$^{197}\text{Au}(d,\text{fission})$ ternary $\sigma(E)$			
5816	KFK Comp B PH-DAT	15	1	079 2.0+3	Muenzel+ TBL. FROM EXFOR.
5817	STR Exth J PR/C	8	1500	73 2.0+3	Rahimi+ (3.0+-1.)MB. TRACK DETECTOR.
	Exth 4 EXFORB0008.011	076	2.0+3		. 1 ENTRY
		$^{197}\text{Au}(d,\text{absorption})$ $\sigma(E)$			
5818	IJI Rev J FCY	6	827	75 2.2+1 2.5+1	Nemets+ TBL.
	Rev J SJPN	6	325	76 2.2+1 2.5+1	. TRANSLATION OF FCY 6.(4).827(1975).

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
¹⁹⁷ Au(d,x) ³ H thick target yield					
5819	BRK Expt J PR	120 1354	60	2.4+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107 1311	57	2.4+1	. SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.017	078	2.4+1		. (15.41+-10PERCENT)MB.
5820	KFK Comp B PH-DAT	15 2 079	2.4+1		Muenzel+ TBL. FROM EXFOR.
¹⁹⁷ Au(d,x) ³ H product yield					
5821	KFK Expt J NP/A	333 173 180	1.2+1	5.1+1	Merkel+ TBL. T PER D. STOPPED ALL T.
5822	BRK Expt J PR	120 1354	60	2.4+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107 1311	57	2.4+1	. SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.017	078	2.4+1		. (15.04E-5+-10PERCENT)T/INCIDENT D.
5823	KFK Comp B PH-DAT	15 2 079	2.4+1		Muenzel+ TBL. FROM EXFOR.
¹⁹⁷ Au(d,x) ³ H average σ(E)					
5824	KFK Expt J NP/A	333 173 180	9.8+0	5.1+1	Merkel+ TBL. 5 ENERGY GROUPS.
¹⁹⁷ Au(d,x) ³ H σ(E)					
5825	KFK Expt J NP/A	333 173 180	1.2+1	5.0+1	Merkel+ CURV. THEORY CFD MEAN SIGMA.
¹⁹⁷ Au(d,γ) ¹⁹⁹ Hg σ(E)					
5826	GOE Expt J ZP/A	291 377 79	5.0+0	1.6+1	Kantus+ CURV. TBL.
¹⁹⁷ Au(d,γ) ¹⁹⁹ Hg summation σ(E)					
5827	GOE Expt J ZP/A	291 377 79	5.0+0	1.5+1	Kantus+ CURV. TBL. SEMI-EXPT. CFD. CALC
¹⁹⁷ Au(d,γ) ¹⁹⁹ Hg compound-nucleus summation σ(E)					
5828	GOE Expt J ZP/A	291 377 79	5.0+0	1.3+1	Kantus+ CURV. TBL. FROM GDR.
^{Hg(d,x)²⁰⁰Tl} thick target yield					
5829	FEI Expt J AE	41 431 N76	1.0+1	2.3+1	Dmitriev+ TBL. CURV.
	Expt J SJA	41 1091 77	1.0+1	2.3+1	.TRANSLATION OF AE 41(6), 431(1976)
	Expt 4 EXFORA0008.003	478	1.0+1	2.2+1	. 7 POINTS.
^{Hg(d,x)²⁰¹Tl} thick target yield					
5830	FEI Expt J AE	41 431 N76	1.0+1	2.3+1	Dmitriev+ TBL. CURV.
	Expt J SJA	41 1091 77	1.0+1	2.3+1	.TRANSLATION OF AE 41(6), 431(1976)
	Expt 4 EXFORA0008.005	478	1.0+1	2.2+1	. 7 POINTS.
^{Hg(d,x)²⁰²Tl} thick target yield					
5831	FEI Expt J AE	41 431 N76	1.0+1	2.3+1	Dmitriev+ TBL. CURV.
	Expt J SJA	41 1091 77	1.0+1	2.3+1	.TRANSLATION OF AE 41(6), 431(1976)
	Expt 4 EXFORA0008.007	478	1.0+1	2.2+1	. 7 POINTS.
^{Hg(d,x)²⁰⁴Tl} thick target yield					
5832	FEI Expt J AE	41 431 N76	1.0+1	2.3+1	Dmitriev+ TBL. CURV. CALC.
	Expt J SJA	41 1091 77	1.0+1	2.3+1	.TRANSLATION OF AE 41(6), 431(1976)
	Expt 4 EXFORA0008.009	478	1.0+1	2.2+1	. 7 POINTS.
²⁰² Hg(d,3n) ²⁰¹ Tl relative I _γ					
5833	CAN Expt J NP/A	275 166 177	1.8+1	2.5+1	Siocombe+ TBL. FOR 24GS. CURV. FOR ALL.
²⁰⁴ Hg(d,3n) ²⁰³ Tl relative I _γ					
5834	CAN Expt J NP/A	275 166 177	1.8+1	2.5+1	Siocombe+ TBL. FOR 24GS. CURV. FOR ALL.
²⁰⁴ Hg(d,2n) ²⁰⁴ Tl thick target yield+abundance					
5835	FEI Expt J AE	41 431 N76	1.0+1	2.2+1	Dmitriev+ TBL. CURV. CALC.
	Expt J SJA	41 1091 77	1.0+1	2.2+1	.TRANSLATION OF AE 41, 431
	Expt 4 EXFORA0008.008	478	1.0+1	2.2+1	. 5 DATA POINTS.
^{Tl(d,x)²⁰¹Tl} cumulative thick target yield					
5838	TAM Expt J MED	5 532 U78	3.3+1		Blue+ TBL. COMPARED TO OTHER PRODUCTION
²⁰³ Tl(d,5n) ²⁰⁰ Pb σ(E)					
5837	TAM Expt J MED	5 532 078	3.3+1	4.8+1	Blue+ TBL. CURV. STACKED FOILS.
²⁰³ Tl(d,4n) ²⁰¹ Pb σ(E)					
5838	TAM Expt J MED	5 532 078	2.3+1	4.8+1	Blue+ TBL. CURV. STACKED FOILS.
²⁰³ Tl(d,3n) ²⁰² Pb σ(E)					
5839	TAM Expt J MED	5 532 078	1.8+1	4.8+1	Blue+ TBL. CURV. STACKED FOILS.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
$^{203}\text{Tl}(d,2n)^{203}\text{Pb}$ thick target yield*abundance						
5010	AML Rev J IRE	26 2281 479	1.6+1		Chaudri. TRI.	CFD EXP. TO CALC.
$^{205}\text{Tl}(d,6n)^{201}\text{Pb}$ $\sigma(E)$						
5841	TAM Expt J MED	5 532 078	4.0+1	4.8+1	Blue+ TBL.	CURV. STACKED FOILS.
$^{205}\text{Tl}(d,5n)^{202}\text{Pb}$ $\sigma(E)$						
5842	TAM Expt J MED	5 532 078	3.2+1	4.8+1	Blue+ TBL.	CURV. STACKED FOILS.
$^{205}\text{Tl}(d,4n)^{203}\text{Pb}$ $\sigma(E)$						
5843	TAM Expt J MED	5 532 078	2.6+1	4.8+1	Blue+ TBL.	CURV. STACKED FOILS.
$^{205}\text{Tl}(d,3n)^{204}\text{Pb}$ $\sigma(E)$						
5844	TAM Expt J MED	5 532 078	1.9+1	3.6+1	Blue+ TBL.	CURV. STACKED FOILS.
$\text{Pb}(d,\text{fission})$ binary $\sigma(E)$						
5845	KFK Comp B PH-DAT	15 1 079	2.0+3		Muenzel+ TBL.	FROM EXFOR.
5846	STR Exth J PR/C	8 1500 73	2.0+3		Rahimi+ (182+40)MB.	TRACK DETECTOR.
	Exth 4 EXFORB0008	.008 076	2.0+3		. 1 DATA POINT.	
$\text{Pb}(d,\text{fission})$ ternary/binary ratio $\sigma(E)$						
5847	KFK Comp B PH-DAT	15 1 079	2.0+3		Muenzel+ TBL.	FROM EXFOR.
5848	STR Exth J PR/C	8 1500 73	2.0+3		Rahimi+ (1.97+-0.25) PER CENT	
	Exth 4 EXFORB0008	.076	2.0+3		. ENTRY REPEATED IN TWO SUBACC.	
$\text{Pb}(d,\text{fission})$ ternary $\sigma(E)$						
5849	KFK Comp B PH-DAT	15 1 079	2.0+3		Muenzel+ TBL.	FROM EXFOR.
5850	STR Exth J PR/C	8 1500 73	2.0+3		Rahimi+ (3.6+-1.)MB.	TRACK DETECTOR.
	Exth 4 EXFORB0008	.009 076	2.0+3		. 1 ENTRY	
$\text{Pb}(d,\text{absorption})$ $\sigma(E)$						
5851	IJI Rev J FCY	6 827 75	2.2+1	2.5+1	Nemets+ TBL.	
	Rev J SJPN	6 325 76	2.2+1	2.5+1	. TRANSLATION OF FCY 6.(4).827(1975).	
$\text{Pb}(d,x)^3\text{H}$ thick target yield						
5852	BRK Expt J PR	120 1354 60	2.4+1		Gonzalez-Vidal+ TBL.	FROM STACKED FOILS
	Expt J PR	107 1311 57	2.4+1		. SOME EXPERIMENTAL DETAILS.	
	Expt 4 EXFORB0080	.018 078	2.4+1		. (22.05+-10PERCENT)MB.	
5853	KFK Comp B PH-DAT	15 2 079	2.4+1		Muenzel+ TBL.	FROM EXFOR.
$\text{Pb}(d,x)^3\text{H}$ product yield						
5854	BRK Expt J PR	120 1354 60	2.4+1		Gonzalez-Vidal+ TBL.	FROM STACKED FOILS
	Expt J PR	107 1311 57	2.4+1		. SOME EXPERIMENTAL DETAILS.	
	Expt 4 EXFORB0080	.018 078	2.4+1		. (7.10E-5+-10PERCENT)/INCIDENT D.	
5855	KFK Comp B PH-DAT	15 2 079	2.4+1		Muenzel+ TBL.	FROM EXFOR.
$^{206}\text{Pb}(d,2n)^{206}\text{Bi}$ thick target yield*abundance						
5856	AML Rev J IRE	26 2281 479	1.6+1		Chaudri. TBL.	CFD EXP. TO CALC.
$^{206}\text{Pb}(d,x)$ partial $\sigma(E)$						
5857	MRY Expt C 77TOKYO	723 977	7.0+1		Wu+ NON-EQUILIBRIUM APP. = 300A**1/3 MB	
$^{206}\text{Pb}(d,\text{absorption})$ $\sigma(E)$						
5858	MRY Expt J PR/C	19 370 279	7.0+1		Wu+ TBL. PRE-EQUILIBRIUM MODEL.	
	Expt C 77TOKYO	723 977	7.0+1		Wu+ 2.11IB. 80 PERCENT DUE TO PREEQUIL.	
$^{206}\text{Pb}(d,\text{absorption})$ partial $\sigma(E)$						
5859	MRY Expt J PR/C	19 370 279	7.0+1		Wu+ TBL. CALCULATED PRE-EQUIL. COMP.	
$^{206}\text{Pb}(d,x)^1\text{H}$ $\sigma(E)$						
5860	MRY Expt J PR/C	19 370 279	7.0+1		Wu+ TBL. ENERGY/ANGLE INTEGRATED.	
$^{206}\text{Pb}(d,x)^1\text{H}$ partial $\sigma(E)$						
5861	MRY Expt J PR/C	19 370 279	7.0+1		Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).	
	Expt J PR/C	19 370 279	7.0+1		Wu+ TBL. CALCULATED PRE-EQUIL. COMP.	
	Expt J PR/C	19 370 279	7.0+1		Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.	
$^{206}\text{Pb}(d,x)^1\text{H}$ compound-nucleus $\sigma(E)$						
5862	MRY Expt J PR/C	19 370 279	7.0+1		Wu+ TBL. EVAPORATION=4P1*SIG(140 OR 150	

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{208}\text{Pb}(d,n+x)^1\text{H}$	$\sigma(E)$			
5863 MRY Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. ESTIMATED DEUTERON BREAKUP
$^{208}\text{Pb}(d,x)^2\text{H}$	emission $\sigma(E)$			
5864 MRY Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. ENERGY/ANGLE INTEGRATED.
$^{208}\text{Pb}(d,x)^2\text{H}$	partial emission $\sigma(E)$			
5866 MRY Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
$^{208}\text{Pb}(d,x)^2\text{H}$	compound-nucleus emission $\sigma(E)$			
5866 MRY Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. EVAPORATION=4PI*SIG(140 OR 150
$^{208}\text{Pb}(d,x)^3\text{H}$	$\sigma(E)$			
5867 MRY Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. ENERGY/ANGLE INTEGRATED.
$^{208}\text{Pb}(d,x)^3\text{H}$	partial $\sigma(E)$			
5868 MRY Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
$^{208}\text{Pb}(d,x)^3\text{H}$	compound-nucleus $\sigma(E)$			
5869 MRY Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. EVAPORATION=4PI*SIG(140 OR 150
$^{208}\text{Pb}(d,x)^3\text{He}$	$\sigma(E)$			
5870 MRY Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. ENERGY/ANGLE INTEGRATED.
$^{208}\text{Pb}(d,x)^3\text{He}$	partial $\sigma(E)$			
5871 MRY Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
$^{208}\text{Pb}(d,x)^3\text{He}$	compound-nucleus $\sigma(E)$			
5872 MRY Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. EVAPORATION=4PI*SIG(140 OR 150
$^{208}\text{Pb}(d,x)^4\text{He}$	$\sigma(E)$			
5873 MRY Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. ENERGY/ANGLE INTEGRATED.
$^{208}\text{Pb}(d,x)^4\text{He}$	partial $\sigma(E)$			
5874 MRY Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
$^{208}\text{Pb}(d,x)^4\text{He}$	compound-nucleus $\sigma(E)$			
5875 MRY Expt J PR/C 19	370 279 7.0+1			Wu+ TBL. EVAPORATION=4PI*SIG(140 OR 150
$^{208}\text{Pb}(d,n+p)^{209}\text{Pb}$	$\sigma(E)$			
5876 JUL Revu J PL/C 25	293 76 6.0+0 1.2+1			Baur+ CURV. PURE COULOMB CFD N-A INT.
Theo J PL/C 25	293 76 5.0+0 1.3+1			Baur+ CURV
$^{208}\text{Pb}(d,3n)^{207}\text{Bi}$	relative I_γ			
5877 UST Expt J PS 18	172 78 2.5+1			Lonnroth. NDG. MEAS. GS AND CES.
$^{209}\text{Bi}(d,fission)$	binary $\sigma(E)$			
5878 KFK Comp B PH-DAT 15	1 079 2.0+3			Muenzel+ TBL. FROM EXFOR.
5879 STR Exth J PR/C 8	1500 73 2.0+3			Rahimi+ (323+-60)MB. TRACK DETECTOR.
Exth 4 EXFORB0008.006	076 2.0+3			. 1 ENTRY
$^{209}\text{Bi}(d,fission)$	ternary/binary ratio $\sigma(E)$			
5880 KFK Comp B PH-DAT 15	1 079 2.0+3			Muenzel+ TBL. FROM EXFOR.
5881 STR Exth J PR/C 8	1500 73 2.0+3			Rahimi+ (1.83+-0.24) PER CENT
Exth 4 EXFORB0008.076	2.0+3			. ENTRY REPEATED IN TWO SUBACC.
$^{209}\text{Bi}(d,fission)$	ternary $\sigma(E)$			
5882 KFK Comp B PH-DAT 15	1 079 2.0+3			Muenzel+ TBL. FROM EXFOR.
5883 STR Exth J PR/C 8	1500 73 2.0+3			Rahimi+ (6.0+-2.0)MB. TRACK DETECTOR.
Exth 4 EXFORB0008.007	2.0+3			. 1 ENTRY
$^{209}\text{Bi}(d,fission)$	$\sigma(E)$ fission fragments			
5884 KFK Expt J NP/A 145	337 70 5.2+1			Gindler+ 0.02MB. INTAD.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
209	B(d,fission)	$\sigma(E)$ fission fragments			
5884	KFK Expt 4	EXFORB0030.003	77	5.2+1	. 1 DATA POINT.
5885	KFK Comp B	PH-DAT 15	1	079 5.2+1	Muenzel+ TBL. FROM EXFOR.
209	B(d,absorption)	$\sigma(E)$			
5886	[J] Revv J	FCY 6	827	75 1.3+1 2.2+1	Nemets+ TBL.
	Revv J	SJPN 6	325	76 1.3+1 2.2+1	. TRANSLATION OF FCY 6,(4),827(1975).
209	B(d, γ) ^{211}Po	$\sigma(E)$			
5887	UEN Expt C	77TOKYO	738	977 7.5+0 1.2+1	Zemlo+ CURV. A-COUNTING FROM ISOMER.
220	Ra(d,fission)mass distribution	fission yield			
5888	PAR Theo J	JPRL 40	318	779 1.9+1	Da-Silveira. CURV. CATASTROPHY CFD EXPT
232	Th(d,x)	partial $\sigma(E)$			
5889	MRY Expt C	77TOKYO	723	977 7.0+1	Wu+ NON-EQUILIBRIUM APP. = 300A**1/3 MB
232	Th(d,fission)	binary $\sigma(E)$			
5890	KFK Exth B	PH-DAT 15	1	079 2.0+3	Muenzel+ TBL. FROM EXFOR.
5891	STR Exth J	PR/C 8	1500	73 2.0+3	Rahimi+ (1.421+-0.260)B. TRACK DETECTOR
	Expt 4	EXFORB0008.004	076	2.0+3	. 1 DATA POINT.
232	Th(d,fission)	ternary/binary ratio $\sigma(E)$			
5892	KFK Exth B	PH-DAT 15	1	079 2.0+3	Muenzel+ TBL. FROM EXFOR.
5893	STR Exth J	PR/C 8	1500	73 2.0+3	Rahimi+ (0.70+-0.13) PER CENT
	Exth 4	EXFORB0008.005	076	2.0+3	. 1 POINT REPEATED IN TWO SUBENTRIES.
232	Th(d,fission)	ternary $\sigma(E)$			
5894	KFK Exth B	PH-DAT 15	1	079 2.0+3	Muenzel+ TBL. FROM EXFOR.
5895	STR Exth J	PR/C 8	1500	73 2.0+3	Rahimi+ (10.0+-0.3)MB. TRACK DETECTOR.
	Exth 4	EXFORB0008.005	076	2.0+3	. 1 DATA POINT.
232	Th(d,absorption)	$\sigma(E)$			
5896	[J] Revv J	FCY 6	827	75 2.2+1	Nemets+ TBL. FROM PL 3.48(1962).
	Revv J	SJPN 6	325	76 2.2+1	. TRANSLATION OF FCY 6,(4),827(1975).
5897	MRY Expt J	PR/C 19	370	279 7.0+1	Wu+ TBL. PRE-EQUILIBRIUM MODEL.
	Expt C	77TOKYO	723	977 7.0+1	Wu+ 2.013B. 80 PERCENT DUE TO PREEQUIL.
232	Th(d,absorption)	partial $\sigma(E)$			
5898	MRY Expt J	PR/C 19	370	279 7.0+1	Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
232	Th(d,x) ^1H	$\sigma(E)$			
5899	MRY Expt J	PR/C 19	370	279 7.0+1	Wu+ TBL. ENERGY/ANGLE INTEGRATED.
232	Th(d,x) ^1H	partial $\sigma(E)$			
5900	MRY Expt J	PR/C 19	370	279 7.0+1	Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
	Expt J	PR/C 19	370	279 7.0+1	Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
	Expt J	PR/C 19	370	279 7.0+1	Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
232	Th(d,x) ^1H	compound-nucleus $\sigma(E)$			
5901	MRY Expt J	PR/C 19	370	279 7.0+1	Wu+ TBL. EVAPORATION=4PI*SIG(140 OR 150
232	Th(d,n+x) ^1H	$\sigma(E)$			
5902	MRY Expt J	PR/C 19	370	279 7.0+1	Wu+ TBL. ESTIMATED DEUTERON BREAKUP
232	Th(d,x) ^2H	emission $\sigma(E)$			
5903	MRY Expt J	PR/C 19	370	279 7.0+1	Wu+ TBL. ENERGY/ANGLE INTEGRATED.
232	Th(d,x) ^2H	partial emission $\sigma(E)$			
5904	MRY Expt J	PR/C 19	370	279 7.0+1	Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
	Expt J	PR/C 19	370	279 7.0+1	Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
	Expt J	PR/C 19	370	279 7.0+1	Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
232	Th(d,x) ^2H	compound-nucleus emission $\sigma(E)$			
5905	MRY Expt J	PR/C 19	370	279 7.0+1	Wu+ TBL. EVAPORATION=4PI*SIG(140 OR 150
232	Th(d,x) ^3H	$\sigma(E)$			
5906	MRY Expt J	PR/C 19	370	279 7.0+1	Wu+ TBL. ENERGY/ANGLE INTEGRATED.
232	Th(d,x) ^3H	partial $\sigma(E)$			
5907	MRY Expt J	PR/C 19	370	279 7.0+1	Wu+ TBL. CALCULATED PRE-EQUIL. COMP.

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author. Comments
$^{232}\text{Th}(d,x)^3\text{H}$ partial $\sigma(E)$				
5907 MRY Expt J PR/C	19 370 279 7.0+1			Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
Expt J PR/C	19 370 279 7.0+1			Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
$^{232}\text{Th}(d,x)^3\text{H}$ compound nucleus $\sigma(E)$				
5908 MRY Expt J PR/C	19 370 279 7.0+1			Wu+ TBL. EVAPORATION= $4\pi \cdot \text{SIG}(140)$ OR 150
$^{232}\text{Th}(d,x)^3\text{H}$ thick target yield				
5909 BRK Expt J PR	120 1354 60 2.4+1			Gonzalez-Vidal+ TBL. FROM STACKED FOILS
Expt J PR	107 1311 57 2.4+1			. SOME EXPERIMENTAL DETAILS.
Expt 4 EXFORB0080.019	D78 2.4+1			. (36.9+-10PERCENT)MB.
5910 KFK Comp B PH-DAT	15 2 079 2.4+1			Muenzel+ TBL. FROM EXFOR.
$^{232}\text{Th}(d,x)^3\text{H}$ product yield				
5911 BRK Expt J PR	120 1354 60 2.4+1			Gonzalez-Vidal+ TBL. FROM STACKED FOILS
Expt J PR	107 1311 57 2.4+1			. SOME EXPERIMENTAL DETAILS.
Expt 4 EXFORB0080.019	D78 2.4+1			. (11.4E-5+-10PERCENT)/INCIDENT D.
5912 KFK Comp B PH-DAT	15 2 079 2.4+1			Muenzel+ TBL. FROM EXFOR.
$^{232}\text{Th}(d,x)^3\text{He}$ $\sigma(E)$				
5913 MRY Expt J PR/C	19 370 279 7.0+1			Wu+ TBL. ENERGY/ANGLE INTEGRATED.
$^{232}\text{Th}(d,x)^3\text{He}$ partial $\sigma(E)$				
5914 MRY Expt J PR/C	19 370 279 7.0+1			Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
Expt J PR/C	19 370 279 7.0+1			Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
Expt J PR/C	19 370 279 7.0+1			Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
$^{232}\text{Th}(d,x)^3\text{He}$ compound-nucleus $\sigma(E)$				
5915 MRY Expt J PR/C	19 370 279 7.0+1			Wu+ TBL. EVAPORATION= $4\pi \cdot \text{SIG}(140)$ OR 150
$^{232}\text{Th}(d,x)^4\text{He}$ $\sigma(E)$				
5916 MRY Expt J PR/C	19 370 279 7.0+1			Wu+ TBL. ENERGY/ANGLE INTEGRATED.
$^{232}\text{Th}(d,x)^4\text{He}$ partial $\sigma(E)$				
5917 MRY Expt J PR/C	19 370 279 7.0+1			Wu+ TBL. CALCULATED PRE-EQUIL. COMP.
Expt J PR/C	19 370 279 7.0+1			Wu+ TBL. NON-EQUIL=TOT-(DIS+EVAP.).
Expt J PR/C	19 370 279 8.0+1			Wu+ TBL. DISCRETE STATES FROM 0-10 MEV.
$^{232}\text{Th}(d,x)^4\text{He}$ compound-nucleus $\sigma(E)$				
5918 MRY Expt J PR/C	19 370 279 7.0+1			Wu+ TBL. EVAPORATION= $4\pi \cdot \text{SIG}(140)$ OR 150
$^{232}\text{Th}(d,4n)^{230}\text{Pa}$ $\sigma(E)$				
5919 BON Expt J PL/B	68 36 577 1.9+1 2.6+1			Rao+ CURV. FOIL STACK/GAMMA COUNTING
$^{232}\text{Th}(d,2n)^{232}\text{Pa}$ $\sigma(E)$				
5920 BON Expt J PL/B	68 36 577 9.0+0 2.6+1			Rao+ CURV. FOIL STACK/GAMMA COUNTING
$^{232}\text{Th}(d,fission)$ isotopic distribution cumulative fission yield				
5921 CCP Revv R YK-18	3 75 9.3+0 1.4+1			Lbov+ TBL. A=92-156. Z = 35-63.
Revv R INDC(CCP)-70	2 176 NDG			.TRANSLATION OF ABSTRACT OF YK-18,3(75)
$U(d,fission)$ binary $\sigma(E)$				
5922 KFK Comp B PH-DAT	15 1 079 2.0+3			Muenzel+ TBL. FROM EXFOR.
5923 STR Exth J PR/C	8 1500 73 2.0+3			Rahimi+ (1.65+-0.34)B. TRACK DETECTOR
Expt 4 EXFORB0008.002	076 2.0+3			. 1 DATA POINT.
$U(d,fission)$ ternary/binary ratio $\sigma(E)$				
5924 KFK Comp B PH-DAT	15 1 079 2.0+3			Muenzel+ TBL. FROM EXFOR.
5925 STR Exth J PR/C	8 1500 73 2.0+3			Rahimi+ (0.78+-0.1) PER CENT
Exth 4 EXFORB0008.	076 2.0+3			. 1 POINT REPEATED IN 2 SUBENTRIES.
$U(d,fission)$ ternary $\sigma(E)$				
5926 KFK Comp B PH-DAT	15 1 079 2.0+3			Muenzel+ TBL. FROM EXFOR.
5927 STR Exth J PR/C	8 1500 73 2.0+3			Rahimi+ (13+-4)MB. TRACK DETECTOR.
Expt 4 EXFORB0003.003	076 2.0+3			. 1 DATA POINT.
$^{233}\text{U}(d,fission)$ $\sigma(E)$				
5928 KFK Expt J NP/A	145 337 70 5.2+1			Gindter+ 2.1MB. INTAD.
Expt 4 EXFORB0030.005	77 5.2+1			. 1 DATA POINT.
5929 KFK Comp B PH-DAT	15 1 079 5.2+1			Muenzel+ TBL. FROM EXFOR.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
	²³³ U(d,p,fission)	$\sigma(E) \times \text{factor}$			
5930	STB Expt J PR/C	18 1706 078	1.1+1	1.7+1	Goldstone+ CURV. FROM P-FISS. COIN.
	²³³ U(d,p,fission)n	primary v			
5931	BRC Expt J NIM	160 471 79	1.3+1		Palin+ CURV. AS FUNCTION OF FF MASS
	²³³ U(d,fission)mass distribution	cumulative fission yield			
5932	CCP Revw R YK-	18 3 75 9.0+0	2.3+1		Lbov+ TBL. A=89-159.
	Revw R INDC(CCP)-70	2 176 NDG			.TRANSLATION OF ABSTRACT OF YK-18,3(75)
	²³³ U(d,p,fission)mass distribution	primary fission yield			
5933	BRC Expt J NIM	160 471 79	1.3+1		Palin+ CURV. PRE-NEUT.EMISS.T. A=79-159
	²³³ U(d,p,fission)mass distribution	primary fission yield fission fragments			
5934	BRC Expt J NIM	160 471 579	1.4+1		Palin+ CURV. FROM ENERGY-VELOCITY CORR.
	²³³ U(d,p,fission)mass distribution	cumulative fission yield			
5935	BRC Expt P NEANDC(E)-1825	477 6.0+0	9.0+0		Clerjacks+ CURV. PREL. A=78-160. P. 11
	Expt P NEANDC(E)-172	776 NDG			Clerjacks+ NDG. PREL. PROG. REPT. P. 9.
	²³³ U(d,fission)isotopic distribution	cumulative fission yield			
5936	CCP Revw R YK-	18 3 75 9.0+0	2.3+1		Lbov+ TBL. A=89-159. Z = 38-64.
	Revw R INDC(CCP)-70	2 176 NDG			.TRANSLATION OF ABSTRACT OF YK-18,3(75)
	²³⁴ U(d,fission)	$\sigma(E)$			
5937	KFK Expt J NP/A	145 337 70	5.2+1		Gindler+ 2.5MB. INTAD.
	Expt 4 EXFORB0030.007	77 5.2+1			. 1 DATA POINT.
5938	KFK Comp B PH-DAT	15 1 079	5.2+1		Muenzel+ TBL. FROM EXFOR.
	²³⁵ U(d,fission)	$\sigma(E)$			
5939	KFK Expt J NP/A	145 337 70	5.2+1		Gindler+ 2.3MB. INTAD.
	Expt 4 EXFORB0030.009	77 5.2+1			. 1 DATA POINT
5940	KFK Comp B PH-DAT	15 1 079	5.2+1		Muenzel+ TBL. FROM EXFOR.
	²³⁵ U(d,fission)	$\sigma(E) \times \text{factor}$			
5941	LVP Expt P A-LVP-78	979	1.1+1		Butler+ GAMMA(G)/GAMMA(F) LT 2.5
	²³⁵ U(d,p,fission)	product yield			
5942	BRC Expt P NEANDC(E)-1824	77 NDG			Michaudon. NDG. SEE INDC(FR)-14, 68
	²³⁵ U(d,p,fission)	$\sigma(E) \times \text{factor}$			
5943	STB Expt J PR/C	18 1706 078	1.1+1	1.7+1	Goldstone+ CURV. FROM P-FISS. COIN.
	²³⁵ U(d,p) ²³⁸ U	partial $\sigma(E) \times \text{factor}$			
5944	LVP Expt P A-LVP-78	979	1.1+1		Butler+ GAMMA(G)/GAMMA(F) LT 2.5
	²³⁵ U(d,p,fission)charge distribution	fission yield			
5945	GRE Expt P ISN-79-01	63 79	1.4+1		Bocquet+ NDG. PREL. STUDY.
	²³⁵ U(d,p,fission)mass distribution	cumulative delayed fission yield			
5946	BNL Expt A BAP	23 595 478	NDG		Fontela+ NDG. T1/2=125NS. CFD PR TH FY.
	²³⁵ U(d,fission)isotopic distribution	cumulative fission yield			
5947	CCP Revw R YK-	18 3 75 9.3+0	1.4+1		Lbov+ TBL. KR85M, KR87, AND KR88
	Revw R INDC(CCP)-70	2 176 NDG			.TRANSLATION OF ABSTRACT OF YK-18,3(75)
	²³⁶ U(d,p,fission)	$\sigma(E) \times \text{factor}$			
5948	STB Expt A DA/B	36 5657 76	+0		Goldstone. NDG.
	²³⁸ U(d,fission)	$\sigma(E)$			
5949	CCP Revw R YK-	18 3 75 5.0+0	1.4+1		Lbov+ TBL.
	Revw R INDC(CCP)-70	2 176 NDG			.TRANSLATION OF ABSTRACT OF YK-18,3(75)
5950	KFK Expt J NP/A	145 337 70	5.2+1		Gindler+ 2.6MB. INTAD.
	Expt 4 EXFORB0030.011	77 5.2+1			. 1 DATA POINT.
5951	KFK Comp B PH-DAT	15 1 079	5.2+1		Muenzel+ TBL. FROM EXFOR.
	²³⁸ U(d,p,fission)	$\sigma(E) \times \text{factor}$			
5952	BUC Expt J RRP	22 545 77	1.2+1		Georgescu+ CURV. FISS. PROB.
	²³⁸ U(d,fission)n	average $\sigma(E)$			
5953	MCG Expt A BAP	23 595 478	5.0+1		Clara+ NDG. FROM RB+CS SIGS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{238}\text{U}(d,x)^{3\text{H}}$ thick target yield						
5954	BRK Expt J PR	120 1354	60	2.4+1	Gonzalez-Vidal+ TBL.	FROM STACKED FOILS
	Expt J PR	107 1311	57	2.4+1		SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.020	078	2.4+1			(30.9+-10PERCENT)MB.
5955	KFK Comp B PH-DAT	15 2 079	2.4+1		Muenzel+ TBL.	FROM EXFOR.
$^{238}\text{U}(d,x)^{3\text{H}}$ product yield						
5956	BRK Expt J PR	120 1354	60	2.4+1	Gonzalez-Vidal+ TBL.	FROM STACKED FOILS
	Expt J PR	107 1311	57	2.4+1		SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.020	078	2.4+1			(9.45E-5+-10PERCENT)/INCIDENT D.
5957	KFK Comp B PH-DAT	15 2 079	2.4+1		Muenzel+ TBL.	FROM EXFOR.
$^{238}\text{U}(d,2n)^{238}\text{Np}$ $\sigma(E)$						
5958	FSU Expt J INC	14 1 78	1.2+1	1.6+1	Kandil+ TBL.	CURV. DEPLETED U. CFD OTHER
$^{238}\text{U}(d,x)^{239}\text{Np}$ cumulative $\sigma(E)$						
5959	FSU Expt J INC	14 1 78	1.2+1	1.6+1	Kandil+ TBL.	CURV. DEPLETED U. CFD OTHER
$^{238}\text{U}(d,y)^{240}\text{Np}$ $\sigma(E)$						
5960	GOE Expt J ZP/A	291 377 79	2.4+1		Kantus+ TBL.	REV. OF MAX SIG. CFD. CALC
$^{238}\text{U}(d,fission)$ isotopic distribution independent $\sigma(E)$						
5961	MCG Expt A BAP	23 595 478	5.0+1		Clara+ NDG.	RB+CS ISOTOPES. CFD. OTH.
$^{238}\text{U}(d,fission)$ isotopic distribution independent fission yield						
5962	MCG Expt A BAP	23 595 478	5.0+1		Clara+ NDG.	RB+CS ISOTOPES. CFD. OTH.
$^{238}\text{U}(d,fission)$ isotopic distribution cumulative fission yield						
5963	CCP Revw R YK- 18	3 75	5.0+0	1.0+2	Lbov+ TBL.	A=72-159. Z=30-64.
	Revw R INDC(CCP)-70 2	176	NDG			TRANSLATION OF ABSTRACT OF YK-18.3(75)
5964	BOC Expt J JIN	38 975 76	1.4+1	1.7+1	Kandil+ TBL.	CURV. Z=40-60. A=95-149.
$^{237}\text{Np}(d,2n)^{237}\text{Pu}$ product yield						
5965	BUC Revw J APH	2 133 77	9.0+0	1.4+1	Poenaru+ NDG.	PR/C 3.1595 + NP/A 175.433
$^{239}\text{Pu}(d,p+fission)$ delayed $\sigma(E)$ x factor						
5966	HEI Expt J ZP/A	287 171 78	1.1+1		Goerlach+ CURV.	ISOM. FISS PROB VS EXC E
$^{239}\text{Pu}(d,p+fission)$ prompt $\sigma(E)$ x factor						
5967	HEI Expt J ZP/A	287 171 78	1.1+1		Goerlach+ CURV.	FISS PROB VS EXC E
$^{239}\text{Pu}(d,p+fission)$ $\sigma(E)$ x factor						
5968	STB Expt J PR/C	18 1706 078	1.1+1	1.7+1	Goldstone+ CURV.	FROM P-FISS. COIN.
$^{239}\text{Pu}(d,2n)^{239}\text{Am}$ $\sigma(E)$ x factor						
5969	BUC Revw J APH	2 133 77	3.0+0	9.5+0	Poenaru+ TBL.	SIGMA(I)/SIGMA(F). E=E*-B(2N
$^{239}\text{Pu}(d,fission)$ mass distribution fission yield						
5970	PAR Theo J JPRL	40 318 779	9.2+0	2.3+1	Da-Silveira.	CURV. CATASTROPHY CFD EXPT
$^{239}\text{Pu}(d,fission)$ mass distribution cumulative fission yield						
5971	CCP Revw R YK- 18	3 75	9.2+0	2.3+1	Lbov+ CURV.	A=70-165.
	Revw R INDC(CCP)-70 2	176	NDG			TRANSLATION OF ABSTRACT OF YK-18.3(75)
$^{240}\text{Pu}(d,p+fission)$ $\sigma(E)$ x factor						
5972	STB Expt A DA/B	36 5657 76	+0		Goldstone.	NDG.
$^{240}\text{Pu}(d,p)^{241}\text{Pu}$ product yield						
5973	BUC Revw J APH	2 133 77	1.3+1		Poenaru.	NDG. FRM NP/A 139, 481(1969)
$^{242}\text{Pu}(d,n+p)^{242}\text{Pu}$ product yield						
5974	BUC Revw J APH	2 133 77	NDG		Poenaru.	NDG. FRM E. LUKKONEN.
$^{242}\text{Pu}(d,2n)^{242\text{m}}/^{242}\text{Am}$ ratio $\sigma(E)$						
5975	BUC Revw J APH	2 133 77	1.0+1	1.4+1	Poenaru.	CURV. FUNC. OF ANG. MOMENTUM.
$^{243}\text{Pu}(d,p+fission)$ $\sigma(E)$ x factor						
5976	LAS Expt J PRL	40 1010 278	4.5+0	6.4+0	Brill+ CURV.	FISS. PROB. EXC. E IN CN SYS
$^{245}\text{Pu}(d,p+fission)$ $\sigma(E)$ x factor						
5977	LAS Expt J PRL	40 1010 278	4.5+0	6.4+0	Brill+ CURV.	FISS. PROB. EXC. E IN CN SYS

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
			²⁴⁹ Cm(d,p+fission) $\sigma(E)$ =factor			
5978	LAS	Expt P	ERDA-NDC-3 95	576	NDG	Brill+ NDG. ANALYSIS IN PROGRESS.
			²⁴⁹ Cm(d,p+fission) $\sigma(E)$ =factor			
5979	LAS	Expt P	ERDA-NDC-3 95	576	NDG	Brill+ NDG. ANALYSIS IN PROGRESS.
			²⁴⁹ Cm(d,p+fission) $\sigma(E)$ =factor			
5980	LAS	Expt J	PRL 40	1010	278 4.8+0 7.1+0	Brill+CURV.FISS. PROB. EXC. E IN CN SYS
			²⁵⁰ Cf(d,p+fission) $\sigma(E)$ =factor			
5981	LAS	Expt J	PRL 40	1010	278 5.5+0 7.1+0	Brill+CURV.FISS. PROB. EXC. E IN CN SYS
			²⁵⁴ Es(d,p+fission) $\sigma(E)$ =factor			
5982	LAS	Expt J	PR/C 21	761	280 TR	-5 Brill+ NDG. FISS. PROBABILITY.
			systematics(d,absorption) $\sigma(E)$			
5983	IJI	Rev J	FCY 6	827	75 2.5+1	Nemets+ CURV. DEPENDENCE ON A*(2/3).
		Rev J	FCY 6	827	75 1.4+1	Nemets+ CURV. DEPENDENCE ON (N-Z)/A.
		Rev J	FCY 6	827	75 1.1+0 2.5+1	Nemets+ TBL. Z=4 TO 90.
		Rev J	SJPN 6	325	76 1.1+0 2.5+1	. TRANSLATION OF FCY 6.(4),827(1975).
			systematics(d,total) $\sigma(E)$			
5984	IJI	Rev J	FCY 6	827	75 1.4+1 2.5+1	Nemets+ CURV. DEPENDENCE ON A FOR N1.
		Rev J	FCY 6	827	75 1.1+1 1.4+1	Nemets+ CURV. DEPENDENCE ON N FOR Z>=26
		Rev J	FCY 6	827	75 1.4+1 2.5+1	Nemets+ CURV. DEPENDENCE ON Z FOR N>=28
		Rev J	SJPN 6	325	76 1.1+1 2.5+1	. TRANSLATION OF FCY 6.(4),827(1975).
			systematics(d,2n) $\sigma(E)$			
5985	BUC	Rev J	APH 2	133	77 8.0+0 1.4+1	Poenaru+ TBL. HVY EL. FISS. ISO. PRD.
			systematics(d,2n) ratio $\sigma(E)$			
5986	BUC	Rev J	APH 2	133	77 8.0+0 1.4+1	Poenaru+ TBL. RAT M/G FISS. PRD.
			systematics(d,3n) $\sigma(E)$			
5987	BUC	Rev J	APH 2	133	77 1.5+1	Poenaru+ TBL. HVY EL. FISS. ISO. PRD.
			systematics(d,n+p) $\sigma(E)$			
5988	BUC	Rev J	APH 2	133	77 1.3+1 2.0+1	Poenaru+ TBL. HVY EL. FISS. ISO. PRD.
			systematics(d,p) $\sigma(E)$			
5989	BUC	Rev J	APH 2	133	77 9.0+0 1.3+1	Poenaru+ TBL. HVY EL. FISS. ISO. PRD.
			systematics(d,p) ratio $\sigma(E)$			
5990	BUC	Rev J	APH 2	133	77 9.0+0 1.3+1	Poenaru+ TBL. RAT M/G FISS. PRD.
			systematics(d,l) $\sigma(E)$			
5991	BUC	Rev J	APH 2	133	77 9.0+0 1.3+1	Poenaru+ TBL. HVY EL. FISS. ISO. PRD.
			systematics(d,l) ratio $\sigma(E)$			
5992	BUC	Rev J	APH 2	133	77 9.0+0 1.3+1	Poenaru+ TBL. RAT M/G FISS. PRD.
			systematics(d,x) ¹¹ C $\sigma(E)$			
5993	TNL	Expt P	ORO-1667-17 84	79	NDG	Nelson+ NDG. PLANNED INVESTIGATION.
		Expt P	A-TNL-78 84	79	NDG	. SAME AS ORO-1667-17.
			systematics(d,x)isotopic distribution			thick target yield
5994	USA	Rev J	IRE 26	1729	279 +1	Tilbury+ TBL. RADIOISOTOPE PROD AT SKI.
			¹ H(l,x)n $\sigma(E;\theta)$			
5995	BNL	Rev C	63HOUSTO 3	63	4.0+0 1.4+1	Goldberg. CURV. 0-DEGR.
			¹ H(l,n) ³ He $\sigma(E;\theta)_a$			
5996	LAS	Expt W	PREPRINT 279	7.5+0	1.2+1	Drosg. TBL.
		Expt 4	EXFORD0013.003 378	7.5+0	1.2+1	. 25 DATA POINTS. 2 ENERGIES.
5997	LAS	Eval J	NSE 67	190	878 1.5+1 1.6+1	Drosg. TBL. EXPT AND RECOMMENDED.
		Expt 4	EXFORD0005.004 379	1.5+1	1.6+1	. 2 POINTS AT 0 DEG. EXPER.
			¹ H(l,n) ³ He $\sigma(E;\theta)_{3H_2}$			
5998	BNL	Rev C	63HOUSTO 3	63	3.7+0 1.2+1	Goldberg. CURV. FROM DEUCHARS ET AL.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^2\text{H}(t,x)n$ thick target yield						
5999	LAS	Expt J NIM	145 127	77	NDG	Armstrong+ 10**13N/SEC PLANNED.
6000	ORL	Expt J NIM	145 9	77	2.5-2 3.0-1	Kim. CURV. D-T BEAM DRIVEN ON Tl.Cr.Cu
$^2\text{H}(t,x)n$ $\sigma(E)$						
6001	LAS	Expt J NIM	145 127	77	0.0+0 6.0-1	Armstrong+ CURV.
$^2\text{H}(t,n)^4\text{He}$ $\sigma(E)$						
6002	LRL	Eval W TBP UCRL-50400	79	1.0-3	2.0+1	Howerton. NDG. ENDL.
6003	UI	Theo R COO-2218-17	75	1.0-3	9.5+1	Miley+TBL. CURV. SEMI-EMP. ALSO REACTIVITY
6004	LAS	Expt J PR	75 1154 449	1.5-2	1.3-1	Bretschert+ TBL. FROM TTY.
		Expt 4 EXFORC0006.004	578	1.5-2	1.3-1	. 24 DATA POINTS.
6005	LAS	Expt P DOE-NDC-15	121 479	5.0-2	1.2-1	Jarmie+ NDG. UNDER CONSTRUCTION.
6006	LAS	Expt J PR	87 612 852	8.0-2	4.0-1	Argo+ TBL. LONG-COUNTER. ASSMD ISOTROPY
		Expt J PR	87 612 852	3.8-1	1.2+0	Argo+ TBL. INTAD.
		Expt 4 EXFORC0001.005	578	3.8-1	1.2+0	. 29 DATA POINTS.
6007	LAS	Expt J PR	98 70 55	1.5+0		Hemmendinger+ INTAD. SIMPSONS RULE.
		Expt 4 EXFORC0022.003	79	1.5+0		. (280+-8)MB.
$^2\text{H}(t,n)^4\text{He}$ thick target yield						
6008	LAS	Expt J PR	75 1154 449	1.5-2	1.3-1	Bretschert+ TBL. INTAD.
		Expt 4 EXFORC0006.003	578	1.5-2	1.3-1	. 26 DATA POINTS.
6009	NBS	Expt P ERDA-NDC-9	175 477	1.9-1		Fleming+ NDG.
$^2\text{H}(t,n)^4\text{He}$ $\sigma(E;\theta)_0$						
6010	LAS	Expt J PR	87 612 852	8.0-2	4.0-1	Argo+ TBL. LONG-COUNTER. ASSMD ISOTROPY
		Expt 4 EXFORC0001.003	578	3.8-1	1.2+0	. 20 DATA POINTS. 4 ENERGIES. 5 ANGLES.
		Expt 4 EXFORC0001.004	578	8.0-2	4.0-1	. 25 POINTS AT 0 DEG. DED. BY COMPILER.
6011	LAS	Eval J NSE	67 190 878	1.0+1	1.5+1	Drosg. TBL. EXPT AND RECOM. VALUES.
		Expt J NIM	105 573 72	1.0+1	1.5+1	. EXPERIMENTAL DETAILS.
		Expt 4 EXFOR00007.005	379	1.5+1		. 33 DATA POINTS. EXPERIMENTAL.
		Expt 4 EXFOR00007.004	379	1.0+1		. 20 DATA POINTS.
$^2\text{H}(t,n)^4\text{He}$ $\sigma(E;\theta)_0$						
6012	DUB	Expt J YF	3 1060 666	1.2-1	1.6+0	Kobzev+ TBL. GAS TRGT. SSD.
		Expt J SNP	3 774 066	1.2-1	1.6+0	. TRANSLATION OF YF 3, 1060(1966).
		Expt 4 EXFORC0016.002	778	1.2-1	1.6+0	. 78 DATA POINTS. 90-DEGREES.
6013	LAS	Expt J PR	98 70 55	1.5+0		Hemmendinger+ TBL. PROP. COUNT.
		Expt 4 EXFORC0022.002	79	1.5+0		. 14 PTS.
6014	LAS	Expt J PR	111 1129 858	1.5+0	1.9+0	Allen+ TBL. GAS TARGET.
		Expt 4 EXFORC0003.004	578	1.5+0	1.9+0	. 4 DATA POINTS. 2 ENERGIES. 2 ANGLES.
6015	LAS	Expt J PR/C	16 15 777	2.0+1		Jarmie+ TBL. ASSOC. PARTICLE METHOD.
		Expt J PR/C	7 882 373	2.0+1		. SUPERSEDED BY PR/C 16, 15.
		Expt J PR/C	4 52 71	2.0+1		. PREVIOUS WORK.
		Expt 4 EXFOR00009.004	379	2.0+1		. 12 DATA POINTS.
		Expt 4 EXFOR00009.004	578	2.0+1		. SUPERCEDED BY 00009.004.
$^2\text{H}(t,n)^4\text{He}$ $\sigma(E;\theta)_0$ =factor						
6016	LAS	Expt J PR/C	7 882 373	1.3+1		Mc-Daniels+ TBL. RATIO D(T,A)/D(T,D,N).
		Expt 4 EXFORC0009.005	578	1.3+1		. 12 DATA POINTS.
$^2\text{H}(t,n)^4\text{He}$ relative $\sigma(E;\theta)_0$						
6017	LAS	Expt J PR	75 1154 449	7.5-2		Bretschert+ CURV. ICE TARGET.
		Expt 4 EXFORC0006.003	578	7.5-2		. 12 DATA POINTS.
6018	HAR	Expt J PPSA	204 500 51	1.2-1	2.0-1	Allen+ CURV. HEAVY WATER VAPOR. ASSOP.
		Expt 4 EXFORC0031.002	479	1.2-1	2.0-1	. 23 DATA POINTS. 2 ENERGIES.
$^3\text{H}(t,x)n$ $\sigma(E)$ =factor						
6019	CCP	Expt J AE	42 59 177	3.4-2	1.6-1	Serov+ TBL. S-FACTOR. ALSO ANG. DIST.
		Expt J SJA	42 66 77	3.4-2	1.6-1	. TRANSLATION OF AE 42, 59(1977)
$^3\text{H}(t,\text{elastic})^3\text{H}$ $\sigma(E)$						
6020	LAS	Eval P DOE-NDC-15	127 479	2.0-2	2.0+0	Hale+ NDG. R-MATRIX ANALYSIS.
		Eval W TO NNDC	79	0.0+0	2.0+0	Hale. NDG. R-MATRIX.
$^3\text{H}(t,\text{elastic})^3\text{H}$ $\sigma(E;\theta)$						
6021	LAS	Expt J PR	111 1129 858	1.8+0	1.9+0	Allen+ TBL. GAS TARGET.
		Expt 4 EXFORC0003.003	578	1.8+0	1.9+0	. 2 DATA POINTS. AT 30 DEGREES.
$^3\text{H}(t,2n)^4\text{He}$ $\sigma(E)$						
6022	LAS	Revw A BAP	24 883 979	NDG		Jarmie. NDG. DISCREP+NEW EXPTS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
${}^3\text{H}(t,2n){}^4\text{He}$ $\sigma(E)$						
6022	LAS	Expt P DOE-NDC-15 121	479	5.0-2	1.2-1	Jarmie+ NDG. UNDER CONSTRUCTION.
		Expt P DOE-NDC-12 114	478	5.0-2	1.2-1	Jarmie+ NDG. NEW APPARATUS IN CONSTR.
6023	HFA	Eval J JAP 50 5569	979	0.0+0	1.0+0	Peres. GAMOW-FORMULA-PADE EXPANSION.
6024	LAS	Eval W TO NNDC	79	1.0-2	3.5+0	Hale. TAPE. ENDF-LIKE FRMT. 54 POINT
		Eval R LA-UR-79-2896	79	2.0-2	2.0+0	. PREPRINT OF KNOXVILLE PAPER.
6025	CCP	Expt J AE 42 59	177	3.1-2	1.6-1	Serov+ CURV. INTAD. ALSO 0-DEG. SIGMA
		Expt W TO CAJAD	77	3.1-2	1.6-1	Serov+ TBL.
		Expt J SJA 42 66	77	3.1-2	1.9-1	. TRANSLATION OF AE 42, 59(1977)
		Expt 4 EXFORA0007.002	478	3.1-2	1.6-1	. 9 DATA POINTS.
6026	UI	Theo C 75WASH 2 716	375	1.4-1	1.0+2	Miley+ CURV. SEMI-EMPIRICAL FORMULA.
		Theo R COO-2218-17	75	1.0-3	9.5+1	Miley+TBL.CURV.SEMI-EMP.ALSO REACTIVITY
${}^3\text{H}(t,2n){}^4\text{He}$ $\sigma(E) \times \text{factor}$						
6027	CCP	Expt J AE 42 59	177	6.1-2	1.9-1	Serov+ TBL. S-FACTOR. INTAD.
		Expt J SJA 42 66	777	6.1-2	1.9-1	.TRANSLATION OF AE 42(1), 59(77)
${}^3\text{H}(t,2n){}^4\text{He}$ $\sigma(E; \theta)$						
6028	CCP	Expt J AE 42 59	177	3.1-2	1.6-1	Serov+ CURV. SIG(0 DEG.)
		Expt W SEROV+	77	3.1-2	1.6-1	Serov+ TBL.
		Expt J SJA 42 66	77	3.1-2	1.6-1	. TRANSLATION OF AE 42, 59(1977)
		Expt 4 EXFORA0007.002	478	3.1-2	1.6-1	. 9 DATA POINTS. SIG(0DEG). MISC. DATA
${}^3\text{H}(t,2n){}^4\text{He}$ relative $\sigma(E; \theta)_0$						
6029	LAS	Eval R LA- 5828-MS	175	1.0-1	2.5-1	Stewart+ TBL. PHASE-SPACE CALCULATION.
		Eval 4 EXFORD0014.003	379	1.0-1	2.5-1	. 2 DATA POINTS. 0-DEGREE.
${}^3\text{H}(t,2n){}^4\text{He}$ relative $\sigma(E; \theta)_0$						
6030	LAS	Eval R LA- 5828-MS	175	1.0-1	2.5-1	Stewart+ TBL. PHASE-SPACE CALCULATION.
		Eval 4 EXFORD0014.003	379	1.0-1	2.5-1	. 2 DATA POINTS. 0-DEGREE.
${}^3\text{H}(t,2n){}^4\text{He}$ $\sigma(E; \theta)_0 = 4\pi / \sigma(E)$						
6031	LAS	Eval R LA- 5828-MS	175	1.0-1	2.5-1	Stewart+ TBL. PHASE-SPACE CALCULATION.
		Eval 4 EXFORD0014.003	379	1.0-1	2.5-1	. 2 DATA POINTS. 0-DEGREE.
${}^3\text{H}(t,2n){}^4\text{He}$ $\sigma(E; \theta)_0 = 4\pi / \sigma(E)$						
6032	LAS	Eval R LA- 5828-MS	175	1.0-1	2.5-1	Stewart+ TBL. PHASE-SPACE CALCULATION.
		Eval 4 EXFORD0014.003	379	1.0-1	2.5-1	. 2 DATA POINTS. 0-DEGREE.
${}^3\text{He}(t, \text{total}) \sigma(E)$						
6033	UI	Theo R COO-2218-17	75	1.0-3	9.5+1	Miley+TBL.CURV.SEMI-EMP.ALSO REACTIVITY
${}^4\text{He}(t, \text{scattering}){}^4\text{He}$ $\sigma(E)$						
6034	LAS	Eval W TO NNDC	79	0.0+0	1.4+1	Hale. NDG. R-MATRIX.
${}^4\text{He}(t, \text{elastic}){}^4\text{He}$ $\sigma(E; \theta)_1$						
6035	LAS	Expt J PR 111 1129 858	1.7+0			Allen+ GAS TARGET.
		Expt 4 EXFORC0003.002	578	1.7+0		. (875+-3PER-CENT)MB/SR AT 30 DEGREES.
${}^4\text{He}(t, n){}^6\text{Li}$ $\sigma(E)$						
6036	LAS	Eval W TO NNDC	79	0.0+0	1.4+1	Hale. NDG. R-MATRIX.
${}^6\text{Li}(t,2n){}^7\text{Be}$ $\sigma(E)$						
6037	LRL	Eval W TBP UCRL-50400	79	4.3+0	2.0+1	Howerton. NDG. ENDL.
${}^7\text{Li}(t,2n\alpha){}^4\text{He}$ $\sigma(E)$						
6038	CCP	Expt J YF 30 1276	79	5.0+0	6.0+0	Abramovich+ CURV. INCLUDES N+BE-9.
${}^7\text{Li}(t, \alpha){}^9\text{Be}$ $\sigma(E)$						
6039	CCP	Expt J YF 30 1276	79	5.0+0	6.0+0	Abramovich+ CURV.
${}^7\text{Li}(t, p){}^9\text{Li}$ $\sigma(E)$						
6040	CCP	Expt J YF 30 1276	79	5.0+0	6.0+0	Abramovich+ CURV. NEAR-THRESH. ANOMALY.
${}^7\text{Li}(t, p){}^9\text{Li}$ partial $\sigma(E)$						
6041	CCP	Expt J YF 30 1276	79	5.0+0	6.0+0	Abramovich+ CURV. L=0.1.
${}^7\text{Li}(t,3n){}^7\text{Be}$ $\sigma(E)$						
6042	LRL	Eval W TBP UCRL-50400	79	1.4+1	2.0+1	Howerton. NDG. ENDL.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^9\text{Be}(t,^6\text{He})^6\text{Li}$ partial $\sigma(E)$ factor					
6043	BER Expt J AP	95 326	76	2.4+1	Van-Oortzen+ SIGMA=4PI*(0.92)MB. T=0
$^9\text{Be}(t,n)^{11}\text{B}$ prompt $\sigma(E;0)$ Legendre coefficient expansion					
6044	DUB Expt J APPB	8 309	77	1.1+0 1.7+0	Malushinska+ FROM ANGULAR DISTRIBUTIONS
	Expt R JINR-15-9986	76	1.1+0 1.7+0		. SAME INFORMATION.
	Expt 4 EXFORA0014.002	379	1.1+0 1.7+0		. 6 COEF. 4 ENERGIES. G.S.+ 4 STATES.
$^9\text{Be}(t,n)^{11}\text{B}$ partial prompt $\sigma(E;0)$					
6045	DUB Expt J APPB	8 309	77	1.1+0 1.7+0	Malushinska+ CURV.
	Expt R JINR-15-9986	76	1.1+0 1.7+0		. SAME INFORMATION.
	Expt 4 EXFORA0014.	379	1.1+0 1.7+0		. 6 SUBWORKS. 4ES. 10ANGS. 6 LVLS.
$^9\text{Be}(t,n)^{11}\text{B}$ partial prompt $\sigma(E)$					
6046	DUB Expt J APPB	8 309	77	1.1+0 1.7+0	Malushinska+ CURV. INTAD.
	Expt R JINR-15-9986	76	1.1+0 1.7+0		. SAME INFORMATION.
	Expt 4 EXFORA0014.	379	1.1+0 1.7+0		. 6 SUBWORKS. 4ES. 6 LVLS.
$^{10}\text{Be}(t,x)^8\text{Li}$ relative thick target yield					
6047	PEN Expt J PR/C	17 1525	578	1.2+1	Alburger+TBL.REL.TO BE12=1/20MSEC BOMB
$^{10}\text{Be}(t,x)^8\text{Li}$ relative thick target yield					
6048	PEN Expt J PR/C	17 1525	578	1.2+1	Alburger+TBL.REL.TO BE12=1/20MSEC BOMB
$^{10}\text{Be}(t,p)^{12}\text{Be}$ partial relative average $\sigma(E)$					
6049	PEN Expt J PR/C	18 2727	D78	1.7+1	Alburger+ TBL. 5 LVLS. AVE. OF 4 ANGLES
$^{10}\text{Be}(t,p)^{12}\text{Be}$ relative thick target yield					
6050	PEN Expt J PR/C	17 1525	578	1.2+1	Alburger+TBL.REL.TO BE12=1/20MSEC BOMB
$^{10}\text{Be}(t,n)^{12}\text{B}$ relative thick target yield					
6051	PEN Expt J PR/C	17 1525	578	1.2+1	Alburger+TBL.REL.TO BE12=1/20MSEC BOMB
$^{12}\text{C}(t,y)^{13}\text{N}$ partial $\sigma(E)$					
6052	STR Expt J NP/A	275 1 177	1.0+0 3.4+0		Schaeffer+ CURV. GO. INT. ANG. DIST.
$^{14}\text{N}(t,p)^{16}\text{N}$ partial $\sigma(E)$ factor					
6053	PEN Expt J PR/C	19 5 179	1.5+1		Fortune+ CURV. FCT=1/(2J+1). VS. DIRECT
$^{14}\text{N}(t,p)^{16}\text{N}$ partial direct-interaction $\sigma(E)$ factor					
6054	PEN Expt J PR/C	19 5 179	1.5+1		Fortune+ CURV. FCT=1/(2J+1). VS. TOTAL.
$^{14}\text{N}(t,y)^{17}\text{O}$ partial $\sigma(E)$					
6055	STR Expt J PR/C	21 791	380 8.0-1	3.3+0	Linch+ CURV. GO,G1. 90-DEG. ALSO A2, A4
$^{15}\text{N}(t,p)^{17}\text{N}$ partial $\sigma(E)$ factor					
6056	PEN Expt J PL/B	76 192	578 1.5+1		Moore+ TBL. SIG(J<)/SIG(J>) 9 LEV.
	Expt J PL/B	76 192	578 1.5+1		Moore+TBL.SUMSIG(N17)/SIG(O18 LEV)9 LEV
$^{16}\text{O}(t,p)^{18}\text{O}$ partial $\sigma(E)$ factor					
6057	PEN Expt J PL/B	76 192	578 1.5+1		Moore+ TBL. SIG(J<)/SIG(J>) 9 LEV.
	Expt J PL/B	76 192	578 1.5+1		Moore+TBL.SUMSIG(N17)/SIG(O18 LEV)9 LEV
$^{16}\text{O}(t,n)^{18}\text{F}$ $\sigma(E)$					
6058	STR Expt J RPA	12 81	177 1.6+0	3.7+0	Revel+ CURV. SIG(2MEV)=200MB. ACT.
$^{16}\text{O}(t,n)^{18}\text{F}$ partial $\sigma(E)$					
6059	DUB Expt J APPB	7 365	76	1.1+0 1.7+0	Malyshinska+ TBL. CUR. INTAD. NO GRP
$^{26}\text{Mg}(t,p)^{28}\text{Mg}$ thick target yield					
6060	JUL Revv J JRC	30 53	76	3.5+0 4.0+0	Weinreich+ TBL.
	Expt J ARI	27 431	76	3.5+0 2.0+1	Probst+ TBL. REV. OF PREV. WORK.
$^{26}\text{Mg}(t,p)^{28}\text{Mg}$ $\sigma(E)$					
6061	JUL Comp J NIM	146 301	077	NDG	Schult. NDG.
$^{27}\text{Al}(t,2p)^{28}\text{Mg}$ thick target yield					
6062	JUL Expt J ARI	27 431	76	2.6+1	Probst+ TBL. REV. OF PREV. WORK.
$^{48}\text{Ca}(t,d)^{49}\text{Ca}$ partial thick target yield factor					
6063	MAN Exth J NP/A	286 243	877	2.5+0 3.5+0	Hyland+ CURV. G.S. TBL. PER INC. T.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
⁴⁸ Ca(t,d) ⁴⁸ Ca	partial $\sigma(E)$				
6064 MAN Expt J NP/A	286 243 877 2.5+0 3.5+0	Hyland+	TBL.	G.S. VAR. O.M. PAR. SETS.	
⁹¹ Zr(t, α) ⁹⁰ Y	$\sigma(E)$ x factor				
6065 LAS Expt P ERDA-NDC-9	108 477 1.1+1 1.8+1	Brill+	CURV. EXC. E GIVEN. (N,P) SIM.		
⁹² Mo(t, α) ⁹¹ Nb	$\sigma(E)$ x factor				
6066 LAS Expt P ERDA-NDC-9	108 477 7.0+0 2.1+1	Brill+	CURV. EXC. E GIVEN. (N,P) SIM.		
²²⁶ Ra(t,p+fission)	partial $\sigma(E)$ x factor				
6067 LAS Expt J PR/C	13 2413 676 2.3+1	Weber+	CURV. FISS. PROB. VS. EXCIT. E.		
²²⁶ Ra(t,p+fission) mass distribution	$\sigma(E)$				
6068 LAS Expt J PR/C	13 2413 676 2.3+1	Weber+	CURV. AT 0-DEG. A= 60-160.		
²²⁶ Ra(t,p+fission) mass distribution	partial $\sigma(E)$ x factor				
6069 LAS Expt J PR/C	13 2413 676 2.3+1	Weber+	CURV. ANISTROPY VS. E*.		
²³⁰ Th(t,p) ²³² Th	relative $\sigma(E)$				
6070 NTA Theo J NP/A	263 315 76 NDG	Ragnarsson+	TBL. REL. TO G.S. SIGMA		
²³² U(t,p) ²³⁴ U	relative $\sigma(E)$				
6071 NTA Theo J NP/A	263 315 76 NDG	Ragnarsson+	TBL. REL. TO G.S. SIGMA		
²³⁸ U(t,p+fission)	$\sigma(E)$ x factor				
6072 LAS Theo J PRL	38 1457 577 5.0+0 6.5+0	Gavron+	CURV. FISS. PROB. STAT. MODELS.		
Expt P ERDA-NDC-9	112 477 4.8+0 6.4+0	Brill+	CURV. MICROSCOPIC STATISTICAL.		
²³⁸ U(t,p+fission)	partial $\sigma(E)$ x factor				
6073 CCP Expt J YF	25 739 477 1.3+1	Andreev+	CURV. PF AS FUNCTION OF E*		
Expt J SNP	25 393 477 1.3+1		TRANSLATION OF YF 25,739 (1977)		
²⁴⁰ Pu(t,p) ²⁴² Pu	relative $\sigma(E)$				
6074 NTA Theo J NP/A	263 315 76 NDG	Ragnarsson+	TBL. REL. TO G.S. SIGMA		
²⁴² Pu(t,p) ²⁴⁴ Pu	relative $\sigma(E)$				
6075 NTA Theo J NP/A	263 315 76 NDG	Ragnarsson+	TBL. REL. TO G.S. SIGMA		
²⁴⁵ Cm(t,p+fission)	$\sigma(E)$ x factor				
6076 LAS Expt P ERDA-NDC-3	95 576 NDG	Brill+	NDG. ANALYSIS IN PROGRESS.		
²⁴⁶ Cm(t,p+fission)	$\sigma(E)$ x factor				
6077 LAS Expt P ERDA-NDC-3	95 576 NDG	Brill+	NDG. ANALYSIS IN PROGRESS.		
²⁴⁸ Cm(t,p) ²⁴⁸ Cm	relative $\sigma(E)$				
6078 NTA Theo J NP/A	263 315 76 NDG	Ragnarsson+	TBL. REL. TO G.S. SIGMA		
²⁴⁸ Cm(t,p+fission)	$\sigma(E)$ x factor				
6079 LAS Expt J PRL	40 1010 278 3.5+0 6.1+0	Brill+	CURV. FISS. PROB. EXC. E IN CN SYS		
²⁵⁰ Cf(t,p+fission)	$\sigma(E)$ x factor				
6080 LAS Expt P ERDA-NDC-3	95 576 NDG	Brill+	NDG. ANALYSIS IN PROGRESS.		
²⁵² Cf(t,p+fission)	$\sigma(E)$ x factor				
6081 LAS Expt J PRL	40 1010 278 4.5+0 7.1+0	Brill+	CURV. FISS. PROB. EXC. E IN CN SYS		
²⁵⁴ Cf(t,p) ²⁵⁶ Cf	product yield				
6082 LAS Expt J PR/C	21 972 380 1.6+1	Hoffman+	NDG. T1/2 = 12.3-11.2 MIN		
²⁵⁴ Es(t,p+fission)	$\sigma(E)$ x factor				
6083 LAS Expt J PR/C	21 761 280 TR	+1 Brill+	NDG. FISS. PROBABILITY.		
²⁵⁴ Es(t,p) ²⁵⁶ Es	$\sigma(E)$				
6084 LAS Expt S CERN-76-13	558 676 1.6+1	Hoffman+	NDG.		
²⁵⁴ Es(t,n) ²⁵⁸ Fm	$\sigma(E)$				
6085 LAS Expt S CERN-76-13	558 776 1.6+1	Hoffman+	0.06 OF (T,P).		
²⁵⁴ Es(t,x) isotopic distribution	relative $\sigma(E)$				
6086 LAS Expt S CERN-76-13	563 676 1.6+1	Lougheed+	TBL. REL. PROD. RATES.		

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{257}\text{Fm}(t, ^3\text{He})^{257}\text{Es}$			$\sigma(E)$
6087	LAS Expt S	CERN-76-13 558 676	1.6+1		Hoffman+ NDG. SMALL CROSS SECTION.
		$^{257}\text{Fm}(t, p)^{259}\text{Fm}$			partial $\sigma(E)$
6088	LAS Expt S	CERN-76-13 558 676	1.6+1		Hoffman+ 10MILLIB. EST. FOR 1.55SEC ACTI
		$^{257}\text{Fm}(t, p)^{259}\text{Fm}$			$\sigma(E)$
6089	LAS Expt J	PR/C 21 966 380	1.6+1		Hulet+ ESTIMATED 10MB FROM 10-DEG. DATA
		$^{257}\text{Fm}(t, x)$			mass distribution raw $\sigma(E)$
6090	LAS Expt S	CERN-76-13 559 676	1.6+1		Hoffman+CURV. A=86-160.0-14SEC AFTERBOMB
		systematics(t, y)			$\sigma(E)$
6091	MOS Revv R	PHOTONUCLE 1 78	NDG		Varlamov+ NDG. TBL. 1 PAPERS CITED.
		$^2\text{H}(^3\text{He}, p)^4\text{He}$			$\sigma(E)$
6092	UI Theo R	C00-2218-17 75	1.0-3 9.5+1		Miley+TBL. CURV. SEMI-EMP. ALSO REACTIVITY
		$^2\text{H}(^3\text{He}, p)^4\text{He}$			$\sigma(E)$ x factor
6093	BIR Expt J	NP/A 325 45 879	2.7+1 3.3+1		Okumusoglu+ TBL. FCT=1/4PI. ALSO A1-8.
		$^3\text{H}(^3\text{He}, x)$			$\sigma(E)$
6094	UI Theo C	75WASH 2 716 375	7.5-1 1.0+2		Miley+ CURV. X=P+N,D, OR P. SEMI-EMP. FO
		$^3\text{H}(^3\text{He}, \text{total})$			$\sigma(E)$
6095	UI Theo R	C00-2218-17 75	1.0-3 9.5+1		Miley+TBL. CURV. SEMI-EMP. ALSO REACTIVITY
		$^3\text{H}(^3\text{He}, d)^4\text{He}$			$\sigma(E)$
6096	MNA Theo C	75MRYLND 185 75	4.5-1 1.1+0		Mc-Kee+ CURV. CFD CALC. TO EXP.
		$^3\text{He}(^3\text{He}, \text{absorption})$			partial $\sigma(E)$
6097	MIN Expt W	ANNUAL REPT 7 77	1.8+1		Poppe+ 152MB. INT. E/ANG. FRM A,T,HE3
	Expt W	ANNUAL REPT 7 77	1.8+1		Poppe+ 318MB. INT. OVER E/ANG. FRM P,D
		$^3\text{He}(^3\text{He}, \text{total})$			$\sigma(E)$
6098	LAS Expt P	DOE-NDC-15 125 479	1.8+1 2.4+1		Brown+ NDG. FROM CP YIELDS.
		$^3\text{He}(^3\text{He}, x)^1\text{H}$			$\sigma(E)$
6099	LAS Expt P	DOE-NDC-15 125 479	1.8+1 2.4+1		Brown+ NDG. MEASURED MOST CP YIELDS.
6100	MIN Expt W	ANNUAL REPT 7 77	1.8+1		Poppe+ 308MB. INT. OVER E/ANG.
		$^3\text{He}(^3\text{He}, \alpha+p)^1\text{H}$			$\sigma(E)$
6101	MNA Theo J	NP/A 260 344 76	3.9-1 1.1+0		McKee+ CURV NEUTRON TUNNELING MODEL
		$^3\text{He}(^3\text{He}, x)^2\text{H}$			$\sigma(E)$
6102	LAS Expt P	DOE-NDC-15 125 479	1.8+1 2.4+1		Brown+ NDG. MEASURED MOST CP YIELDS.
6103	MIN Expt W	ANNUAL REPT 7 77	1.8+1		Poppe+ 42MB. INT. OVER E/ANG.
		$^3\text{He}(^3\text{He}, x)^3\text{H}$			$\sigma(E)$
6104	LAS Expt P	DOE-NDC-15 125 479	1.8+1 2.4+1		Brown+ NDG. MEASURED MOST CP YIELDS.
		$^3\text{He}(^3\text{He}, 3p)^3\text{H}$			$\sigma(E)$
6105	MIN Expt W	ANNUAL REPT 7 77	1.8+1		Poppe+ 0.6MB. INT. OVER E/ANG.
		$^3\text{He}(^3\text{He}, x)^3\text{He}$			$\sigma(E)$
6106	LAS Expt P	DOE-NDC-15 125 479	1.8+1 2.4+1		Brown+ NDG. MEASURED MOST CP YIELDS.
		$^3\text{He}(^3\text{He}, x)^4\text{He}$			$\sigma(E)$
6107	LAS Expt P	DOE-NDC-15 125 479	1.8+1 2.4+1		Brown+ NDG. MEASURED MOST CP YIELDS.
		$^3\text{He}(^3\text{He}, 2p)^4\text{He}$			$\sigma(E)$
6108	MST Revv J	ARN 28 115	D78 6.0-2		Rolf+ 0.06NB. PR/C 9, 805
6109	LAS Expt P	DOE-NDC-15 125 479	1.8+1 2.4+1		Brown+ NDG. FROM CP YIELDS.
		$^3\text{He}(^3\text{He}, 2p)^4\text{He}$			thick target yield
6110	MST Revv J	ARN 28 115	D78 2.8-2 5.6-2		Rolf+NO EVID. OF NARROW RES. PR/C 9, 805
		$^4\text{He}(^3\text{He}, \text{total})$			$\sigma(E)$
6111	MIN Theo W	ANNUAL REPT 13 77	1.8+1 7.9+1		Keepe+ CURV. PHASE-SHIFT + RES. GRP.

REFERENCES(cont.)

No.	Lab	Work	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
		Type				
			${}^4\text{He}({}^3\text{He}, \text{scattering}){}^4\text{He}$	$\sigma(E)$		
6112	LAS	Eval W TO NNDC		79	0.0+0 1.1+1	Hale. NDG. R-MAIRIX.
			$\text{Li}({}^3\text{He}, x){}^7\text{Be}$	$\sigma(E)$		
6113	BRK	Expt J ANS 30	623 N78	1.7+0 5.9+0	Pyle+ FROM NATURAL LIF AND ENRICHED LIF	
			${}^6\text{Li}({}^3\text{He}, p+\alpha){}^4\text{He}$	$\sigma(E)$		
6114	ANL	Expt P ANL-79-40	73	79	5.0-1 2.0+0	Holland+ NDG. UNDER INVESTIGATION.
6115	TNL	Expt J NSE 60	477 76	3.0+0 6.0+0	Gould+ CURV. ESTIMATED FROM PROTON CONT	
		Expt C 75WASH 2	697 375	3.0+0 1.0+1	Gould. CURV. THREE-BODY BREAKUP.	
			${}^6\text{Li}({}^3\text{He}, p+\alpha){}^4\text{He}$	partial $\sigma(E)$		
6116	ANL	Expt P ANL-79-40	73	79	5.0-1 2.0+0	Holland+ NDG. UNDER INVESTIGATION.
			${}^6\text{Li}({}^3\text{He}, d){}^7\text{Be}$	$\sigma(E)$		
6117	LRL	Eval W TBP UCRL-50400	79	2.0-1 2.0+1	Howerton. NDG. ENDL.	
6118	BRK	Expt J ANS 30	623 N78	1.7+0 5.9+0	Pyle+ FROM L16-F MEASUREMENT	
			${}^6\text{Li}({}^3\text{He}, p){}^8\text{Be}$	$\sigma(E)$		
6119	ANL	Expt P ANL-78-66	74	478	-1 +0 Elwyn+ CURV. INTAD.	
			${}^6\text{Li}({}^3\text{He}, p){}^8\text{Be}$	partial $\sigma(E)$		
6120	ANL	Expt P DOE-ND-15	16	479	4.0-1 2.0+0	Holland+ NDG. PO. LAST YEARS WORK.
6121	TNL	Expt J NSE 60	477 76	3.0+0 6.0+0	Gould+ CURV. GROUND STATE. INTAD.	
		Expt C 75WASH 2	697 375	3.0+0 1.0+1	Gould. CURV. G.S.+2.9-MEV STATES. INTAD	
			${}^7\text{Li}({}^3\text{He}, t){}^7\text{Be}$	$\sigma(E)$		
6122	LRL	Eval W TBP UCRL-50400	79	1.2+0 2.0+1	Howerton. NDG. ENDL.	
6123	BRK	Expt J ANS 30	623 N78	1.7+0 5.9+0	Pyle+ FROM L17-F MEASUREMENT	
			${}^7\text{Li}({}^3\text{He}, d){}^8\text{Be}$	partial relative $\sigma(E)$		
6124	CBR	Eval J AUJ 30	113	477	1.6+0 2.2+0	Barker. CURV. R-MAT. 2- CONT. TO NORM. SIG.
			${}^8\text{P}({}^3\text{He}, x){}^7\text{Be}$	$\sigma(E)$		
6125	LAS	Expt W TO PYLE+	78	+0	Barr. NDG. IN ANS 30, 623(1978).	
6126	BRK	Expt J ANS 30	623 N78	1.7+0 5.9+0	Pyle+ TBL. NATURAL LIF. GE(LI) DETECT.	
		Expt J ANS 30	623 N78	1.7+0 5.9+0	Pyle+ TBL. L16-F. GE(LI) DETECTOR.	
		Expt J ANS 30	623 N78	1.7+0 5.9+0	Pyle+ TBL. L17-F. GE(LI) DETECTOR.	
			${}^9\text{Be}({}^3\text{He}, \alpha){}^8\text{Be}$	partial $\sigma(E)$		
6127	KTO	Expt J BCR 52	146	174	1.8+0 3.0+0	Sakamoto+ CURV. A(0) GROUP. INTAD.
6128	STR	Expt J JPR 39	805	78	2.0+0 1.0+1	Blives+ CURV. G.S. INTAD(20-130DEG CM)
			${}^9\text{Be}({}^3\text{He}, 2n){}^{10}\text{C}$	$\sigma(E)$		
6129	KFK	Comp B PH-DAT 15	1	079	1.0+1 4.1+1	Muenzel+ TBL. FROM EXFOR.
6130	CLU	Expt J NP/A 235	11	74	1.0+1 4.1+1	Moss+ CURV. DETECTED DELAYED GAMMAS
		Expt 4 EXFORB0005.002	076	1.0+1 4.1+1	. 9 DATA POINTS.	
			${}^9\text{Be}({}^3\text{He}, n){}^{11}\text{C}$	$\sigma(E) \times \text{factor}$		
6131	HAM	Expt P NEANDC(E)-1925	478	6.0+0 4.1+1	Kofahl+ CURV. RED. EXC. FUNCTION	
			${}^{10}\text{B}({}^3\text{He}, d){}^{11}\text{C}$	$\sigma(E)$		
6132	ZUR	Expt J NIM 136	559	76	1.2+0 4.6+0	Gass+ TBL. CURV. DEDUCED FROM ITY.
			${}^{10}\text{B}({}^3\text{He}, d){}^{11}\text{C}$	thick target yield		
6133	ZUR	Expt P NEANDC(OR)146	676	1.2+0 4.6+0	Gass+ TBL. P. 15 FROM PART. OXID. B POW	
		Expt J NIM 136	559	76	1.2+0 4.6+0	Gass. NDG. DETECTED ANNIHILATION GAM
			${}^{12}\text{C}({}^3\text{He}, \text{absorption})$	partial $\sigma(E)$		
6134	CCP	Theo J YF 29	50	179	2.9+1	Belyak. NDG. REFLECTION=.30 OF TOTAL.
		Theo J SNP 29	24	179	2.9+1	. TRANSLATION OF YF 29(1), 50(1979).
			${}^{12}\text{C}({}^3\text{He}, x){}^{12}\text{H}$	$\sigma(E)$		
6135	OSA	Expt J NP/A 311	173	N78	7.0+1 9.0+1	Matsuoka+ TBL. EST. FROM PEAK OF CONTIN
			${}^{12}\text{C}({}^3\text{He}, \alpha){}^7\text{Be}({}^4\text{He})$	compound-nucleus $\sigma(E)$		
6136	BRK	Expt J PR/C 13	2116	76	3.0+1	Pape+ VIA B-0-15. APP 39MB.
			${}^{12}\text{C}({}^3\text{He}, \alpha){}^7\text{Be}({}^4\text{He})$	direct-interaction $\sigma(E)$		
6137	BRK	Expt J PR/C 13	2116	76	3.0+1	Pape+ DIRECT. APP. 20MB.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
		$^{12}\text{C}(^3\text{He}, x)^7\text{Be}$			$\sigma(E)$	
6138	BRK Expt J PR/C	13 2116 76	0.0+0	3.1+1	Pape+	CURV. CATCHER FOILS.
		$^{12}\text{C}(^3\text{He}, ^7\text{Be})^8\text{Be}$			direct-interaction	$\sigma(E)$
6139	ONK Expt J PR/C	13 2116 76	3.0+1		Pape+	DIRECT ALPHA PICKUP. APP IMB.
		$^{12}\text{C}(^3\text{He}, ^7\text{Be})^8\text{Be}$			compound-nucleus	$\sigma(E)$
6140	BRK Expt J PR/C	13 2116 76	3.0+1		Pape+	VIA 8-0-15..LT IMB.
		$^{12}\text{C}(^3\text{He}, n+^3\text{He})^{11}\text{C}$			$\sigma(E)$	abundance
6141	BRK Expt J PR	101 329 56	3.7+1	4.8+2	Crandall+	TBL. STACKED FOILS.
	Expt 4 EXFORB0101.008	N79 3.7+1	4.8+2			11 DATA POINTS.
		$^{12}\text{C}(^3\text{He}, \alpha)^{11}\text{C}$			thick target yield	
6142	AML Revw J IRE	26 2281 479	1.5+1	1.8+1	Chaudri.	TBL. CFD EXP. TO CALC.
		$^{12}\text{C}(^3\text{He}, \text{elastic})^{12}\text{C}$			$\sigma(E)$	
6143	TP1 Theo J IZV	41 2148 77	1.0+1	2.0+1	Malusevich+	TBL. SIMPLE MODEL.
	Theo J BAS	41 135 78	1.0+1	2.0+1		TRANSLATION OF IZV 41(10), 2148(19877)
		$^{12}\text{C}(^3\text{He}, p+d)^{12}\text{C}$			partial	$\sigma(E)$
6144	OSA Expt P A-RCNP-77	139 78 7.0+1	9.0+1		Matsuoka+	TBL. BREAKUP CONT.
		$^{12}\text{C}(^3\text{He}, d)^{13}\text{N}$			$\sigma(E)$	
6145	OSA Exth P A-RCNP-77	139 378 7.0+1	9.0+1		Matsuoka+	TBL. FROM ANG. DIST. + OM
		$^{13}\text{C}(^3\text{He}, p)^{13}\text{N}$			partial	$\sigma(E)$
6146	NBI Expt J NP/A	293 10 077 2.0+1			Pedersen+TBL.	INTAD(7.5-107.5DEG.) 17 LEV
	Exth C 77TOKYO	173 977 2.0+1			Pederson+	9.83 ST 8.5*G.S. INTAD(8-108D
		$^{13}\text{C}(^3\text{He}, p)^{13}\text{N}$			partial relative	$\sigma(E)$
6147	NBI Expt J NP/A	293 10 077 2.0+1			Pedersen+TBL.	INTAD(7.5-107.5DEG.) 17 LEV
	Exth C 77TOKYO	173 977 2.0+1			Pederson+	5 MODEL STATES. TBL.
		$^{13}\text{C}(^3\text{He}, p)^{13}\text{N}$			partial	$\sigma(E)$ at resonance
6148	OXF Expt J NP/A	306 125 878 4.6+0			Chew+	G0=5.4+-1.8MB. SEVERAL GRPS SEEN
		$^{13}\text{C}(^3\text{He}, \gamma)^{16}\text{O}$			partial	$\sigma(E)$ factor
6149	STF Expt J PR/C	19 1705 579 3.0+0	8.5+0		Ventura+	CURV. GO AT 90DEG. ALSO A1, A2.
		$^{14}\text{N}(^3\text{He}, \alpha)^{13}\text{N}$			thick target yield	
6150	AML Revw J IRE	26 2281 479 3.0+1			Chaudri.	TBL. CFD EXP. TO CALC.
		$^{14}\text{N}(^3\text{He}, \alpha)^{13}\text{N}$			partial	$\sigma(E)$
6151	DEB Expt J NIM	147 287 N77 3.5-1	6.4-1		Somogyi+	TBL. NDG. USE OF PLASTIC TRACK DET
		$^{14}\text{N}(^3\text{He}, d)^{16}\text{O}$			thick target yield	
6152	AML Revw J IRE	26 2281 479 1.7+1			Chaudri.	TBL. CFD EXP. TO CALC.
		$^{14}\text{N}(^3\text{He}, p)^{16}\text{O}$			partial	$\sigma(E)$
6153	PEN Expt J NP/A	305 63 778 1.5+1			Blaniuk+	TBL. CURV. 9 T=0 STATES. CFD TH
		$^{16}\text{O}(^3\text{He}, \text{total})$			$\sigma(E)$	
6154	MIN Theo T M.T. LEMERE	77 1.5+1			Lemere.	RESON. GRP. TREAT. TBL. CFD EXP
		$^{16}\text{O}(^3\text{He}, 2\alpha)^{11}\text{C}$			thick target yield	
6155	UVJ Comp R UJF-4199-B	277 2.0+1			Bem+	NDG. CONTAMINANT IN FIB PROD.
		$^{16}\text{O}(^3\text{He}, n+p+\alpha)^{13}\text{N}$			thick target yield	
6156	UVJ Comp R UJF-4199-B	277 NDG			Bem+	NDG. CONT. IN FIB PROD. LT .01C11
		$^{16}\text{O}(^3\text{He}, x)^{18}\text{F}$			cumulative	$\sigma(E)$
6157	HAM Expt J ARI	28 781 77 1.4+1	4.0+1		Fitschen+	TBL. CURV. H20. STCK FOILS. ACTIV
		$^{16}\text{O}(^3\text{He}, x)^{18}\text{F}$			cumulative thick target yield	factor
6158	HAM Expt J ARI	28 781 77 5.0+0	4.0+1		Fitschen+	CURV. SAT TTY CALC. FRM SIG
		$^{16}\text{O}(^3\text{He}, x)^{18}\text{F}$			cumulative?	thick target yield
6159	UVJ Comp R UJF-4199-B	277 4.0+0	3.0+1		Bem+	TBL.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{16}\text{O}(^3\text{He},x)^{18}\text{F}$			cumulative product yield
6160	HEI Expt A JLCR	16 214	79	2.8+1	Helus+ NDG. GAS TARGET.
		$^{16}\text{O}(^3\text{He},p)^{18}\text{F}$			thick target yield
6161	ZUR Expt J NIM	136 559	76	1.5+0 4.6+0	Gass. NDG. DETECTED ANNIHILATION GAMMAS
6162	UJV Comp R UJF-4199-B		277	2.0+0 3.0+1	Bem+ TBL. 8 REFERENCES.
6163	AML Revu J IRE	26 2281	479	9.5+0 2.2+1	Chaudri. TBL. CFD EXP. TO CALC.
6164	JUL Revu C 7BHARHEL	667	78	4.0+1	Stocklin+ TBL. SATURATION YLD.
		$^{16}\text{O}(^3\text{He},p)^{18}\text{F}$			product yield
6165	JUL Revu R JUEL-1551		N78	3.6+1	Kupfernagel+ NDG. LABELLED FATTY ACIDS.
		$^{16}\text{O}(^3\text{He},p)^{18}\text{F}$			$\sigma(E)$
6166	JUL Comp J NIM	146 301	077	NDG	Schult. NDG.
6167	ZUR Expt J NIM	136 559	76	1.5+0 4.6+0	Gass+ TBL. CURV. DEDUCED FROM TTY.
		$^{16}\text{O}(^3\text{He},2n)^{17}\text{Ne}$			product yield
6168	BRK Revu J ARN	27 333	77	NDG	Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
		$^{18}\text{O}(^3\text{He},n)^{18}\text{Ne}$			thick target yield
6169	UJV Comp R UJF-4199-B		277	4.0+0 3.0+1	Bem+ TBL. 6 REFERENCES.
6170	AML Revu J IRE	26 2281	479	3.0+1 3.5+1	Chaudri. TBL. CFD EXP. TO CALC.
		$^{17}\text{O}(^3\text{He},d)^{18}\text{F}$			thick target yield
6171	UJV Comp R UJF-4199-B		277	NDG	Bem+ NDG. ANALYT. CHEM. 34,329(1962)
		$^{18}\text{O}(^3\text{He},t)^{18}\text{F}$			thick target yield
6172	UJV Comp R UJF-4199-B		277	NDG	Bem+ NDG. 2 REFERENCES.
		$^{20}\text{O}(^3\text{He},x)^{18}\text{F}$			cumulative product yield
6173	HEI Expt A JLCR	16 214	79	2.8+1	Helus+ NDG. H2O, AL2O3, TA205.
		$^{18}\text{F}(^3\text{He},^7\text{Be})^{15}\text{N}$			$\sigma(E)$
6174	BRK Expt J ANS	30 623	N78	TR 5.9+0	Pyle+ NO PRODUCTION OF BE7. MGF2 TARGET
		$^{18}\text{F}(^3\text{He},\alpha)^{18}\text{F}$			thick target yield
6175	ZUR Expt P NEANDC(OR)146	676	2.0+0 3.6+0	Gass+ TBL. P. 15 FROM CAF2	
	Expt J NIM	136 559	76	2.0+0 3.6+0	Gass. NDG. DETECTED ANNIHILATION GAMMAS
6176	UJV Comp R UJF-4199-B		277	4.0+0 9.0+0	Bem+ TBL. 5 REFERENCES.
6177	AML Revu J IRE	26 2281	479	3.0+1	Chaudri. TBL. CFD EXP. TO CALC.
		$^{18}\text{F}(^3\text{He},\alpha)^{18}\text{F}$			$\sigma(E)$
6178	ZUR Expt J NIM	136 559	76	2.0+0 3.6+0	Gass+ TBL. CURV. DEDUCED FROM TTY.
6179	BRK Expt J ANS	30 623	N78	6.0+0	Pyle+ SOME F18 ACTIVITY OBSERVED.
		$\text{Ne}(^3\text{He},x)^{18}\text{F}$			cumulative thick target yield
6180	BNL Expt J ARI	29 175	378	TR 5.6+1	Lambrecht+ CURV. SATURATION ACTIVITY.
		$^{20}\text{Ne}(^3\text{He},x)^{18}\text{F}$			cumulative? thick target yield
6181	UJV Comp R UJF-4199-B		277	6.0+0 4.0+1	Bem+ TBL.
		$^{20}\text{Ne}(^3\text{He},x)^{18}\text{F}$			cumulative product yield
6182	HEI Expt A JLCR	16 214	79	2.8+1	Helus+ NDG. GAS TARGET.
		$^{20}\text{Ne}(^3\text{He},p+\alpha)^{18}\text{F}$			thick target yield
6183	UJV Comp R UJF-4199-B		277	6.0+0 4.0+1	Bem+ NDG. 2 REFERENCES.
		$^{20}\text{Ne}(^3\text{He},n+\alpha)^{18}\text{Ne}$			thick target yield
6184	UJV Comp R UJF-4199-B		277	6.0+0 4.0+1	Bem+ NDG. 4 REFERENCES.
		$^{20}\text{Ne}(^3\text{He},x)^{21}\text{Na}$			cumulative product yield
6185	HEI Expt A JLCR	16 107	79	TR +1	Helus+ NDG.
		$^{20}\text{Ne}(^3\text{He},p)^{22}\text{Na}$			thick target yield
6186	UJV Comp R UJF-4199-B		277	2.5+1	Bem+ NDG. CONTAMINANT IN F18 PRODUCTION
		$^{20}\text{Ne}(^3\text{He},2n)^{21}\text{Mg}$			$\sigma(E)$
6187	BRK Revu J ARN	27 333	77	NDG	Cerny+APP. 700MICROB. CERN-76-13,225(76)
	Revu S CERN-76-13	225	676	NDG	Cerny. APP. 700 MICROB.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{22}\text{Ne}(^3\text{He},p)^{24}\text{Na}$ thick target yield			
6188	UJV Comp R	UJF-4199-B	277	1.5+1	Bem+ SOME ACTIVITY EVIDENT. CONT. IN F18
		$^{23}\text{Na}(^3\text{He},2\alpha)^{18}\text{F}$ thick target yield			
6189	UJV Comp R	ILF-4100 D	277	4.0+0 2.8+1	Bem+ NDG. 3 REFERENCES.
		$\text{Mg}(^3\text{He},\text{total})$ $\sigma(E)$			
6190	IJI Revv J	FCY 6	827	75 2.9+1	Nemets+ TBL. FROM PL/B 26,213(1968).
	Revv J	SJPN 6	325	76 2.9+1	. TRANSLATION OF FCY 6,(4),827(1975).
		$\text{Mg}(^3\text{He},x)^{24}\text{Si}$ product yield			
6191	PTN Expt S	CERN-76-13	254	676 5.7+1	Robertson+ NDG. PRELIM. SEARCH.
		$^{24}\text{Mg}(^3\text{He},x)^{24}\text{H}$ $\sigma(E)$			
6192	OSA Expt J	NP/A 311	173	N78 9.0+1	Matsuoka+ TBL. EST. FROM PEAK OF CONTIN
		$^{24}\text{Mg}(^3\text{He},p+2\alpha)^{18}\text{F}$ thick target yield			
6193	UJV Comp R	UJF-4199-B	277	1.3+1 2.8+1	Bem+NDG. BUTTERWORTHS, LONDON,34(1970)
		$^{24}\text{Mg}(^3\text{He},p+d)^{24}\text{Mg}$ partial $\sigma(E)_d$			
6194	OSA Expt P	A-RCNP-77	139	78 7.0+1 9.0+1	Matsuoka+ TBL. BREAKUP CONT.
		$^{24}\text{Mg}(^3\text{He},d)^{25}\text{Al}$ $\sigma(E)$			
6195	OSA Exth P	A-RCNP-77	139	378 7.0+1 9.0+1	Matsuoka+ TBL. FROM ANG. DIST. + OM
		$^{24}\text{Mg}(^3\text{He},3n)^{24}\text{Si}$ partial product yield			
6196	MSU Expt P	ANL-79-40	80	79 NDG	Bowles+ NDG. T=2 LEVEL.
		$^{24}\text{Mg}(^3\text{He},2n)^{25}\text{Si}$ product yield			
6197	BRK Revv J	ARN 27	333	77 NDG	Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
		$^{24}\text{Mg}(^3\text{He},2n)^{25}\text{Si}$ $\sigma(E)$			
6198	CLU Expt J	NP/A 235	11	74 2.1+1 4.3+1	Moss+ CURV. DETECTED DELAYED PROTONS.
	Expt 4	EXFORB0005.004	076	2.5+1 4.3+1	. 7 DATA POINTS.
6199	KFK Comp B	PH-DAT 15	1	079 2.5+1 4.3+1	Muenzel+ TBL. FROM EXFOR
		$^{24}\text{Mg}(^3\text{He},x)$ isotopic distribution relative $\sigma(E)$			
6200	NRL Expt J	PR/C 14	1655	76 8.0+1	Singh+ TBL. ALSO PREEQ. 20 PROD(Z=8-13)
		$^{25}\text{Mg}(^3\text{He},\alpha)^{24}\text{Mg}$ partial $\sigma(E)$			
6201	MIL Expt J	NC 35	33	976 9.0+0 1.3+1	Notarrigo+ CURV. A(0)-A(5)GRPS. INTAD.
		$^{26}\text{Mg}(^3\text{He},x)$ isotopic distribution relative $\sigma(E)$			
6202	NRL Expt J	PR/C 14	1655	76 8.0+1	Singh+ TBL. ALSO PREEQ. 19 PROD(Z=8-14)
	Expt J	PR/C 14	1655	76 8.0+1	Singh+ NOT OBS. PREEQ. 8 PROD(Z=9-14).
		$^{27}\text{Al}(^3\text{He},\text{total})$ $\sigma(E)$			
6203	IJI Revv J	FCY 6	827	75 2.9+1	Nemets+ TBL. FROM PL/B 26,213(1968).
	Revv J	SJPN 6	325	76 2.9+1	. TRANSLATION OF FCY 6,(4),827(1975).
		$^{27}\text{Al}(^3\text{He},x)^{27}\text{H}$ $\sigma(E)$			
6204	OSA Expt J	NP/A 311	173	N78 7.0+1 9.0+1	Matsuoka+ TBL. EST. FROM PEAK OF CONTIN
		$^{27}\text{Al}(^3\text{He},3\alpha)^{18}\text{F}$ thick target yield			
6205	UJV Comp R	UJF-4199-B	277	1.3+1 2.9+1	Bem+NDG. BUTTERWORTHS, LONDON,34(1970)
		$^{27}\text{Al}(^3\text{He},p+d)^{27}\text{Al}$ partial $\sigma(E)_d$			
6206	OSA Expt P	A-RCNP-77	139	78 7.0+1 9.0+1	Matsuoka+ TBL. BREAKUP CONT.
		$^{27}\text{Al}(^3\text{He},d)^{28}\text{Si}$ $\sigma(E)$			
6207	OSA Exth P	A-RCNP-77	139	378 7.0+1 9.0+1	Matsuoka+ TBL. FROM ANG. DIST. + OM
		$^{27}\text{Al}(^3\text{He},2n)^{28}\text{P}$ $\sigma(E)$			
6208	CLU Expt J	NP/A 235	11	74 1.4+1 4.1+1	Moss+ CURV. DETECTED DELAYED GAMMAS
	Expt 4	EXFORB0005.003	076	1.4+1 4.1+1	. 8 DATA POINTS.
6209	KFK Comp B	PH-DAT 15	1	079 2.0+4	Muenzel+ TBL. FROM EXFOR.
		$^{27}\text{Al}(^3\text{He},x)$ isotopic distribution relative $\sigma(E)$			
6210	NRL Expt J	PR/C 14	1655	76 8.0+1	Singh+ TRI. ALSO PREEQ. 14 PROD(Z=9-14)
	Expt J	PR/C 14	1655	76 8.0+1	Singh+ NOT OBS. ALSO PREEQ. 11 PROD(Z=8-13)

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
	$^{20}\text{Si}({}^3\text{He},2n){}^{20}\text{S}$ product yield				
6211	BRK Revv J ARN	27 333 77	NDG		Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
	$\text{S}({}^3\text{He},x){}^{34}\text{Cl}$ thick target yield				
6212	FEI Expt J ARI	27 159 76	6.0+0 3.0+1		Zatolokin+ CURV. T1/P=32.2MIN.
	$^{32}\text{S}({}^3\text{He},p){}^{34}\text{Cl}$ o(E)				
6213	JUL Revv W PREPRINT		678 4.5+0 2.4+1		Qaim+ CURV. 1976 DATA
	$^{32}\text{S}({}^3\text{He},p){}^{34}\text{Cl}$ thick target yield				
6214	JUL Revv W PREPRINT		678 2.5+1		Qaim+CURV.1976 DATA.0.086MC1/MICROA*MIN
	$^{32}\text{S}({}^3\text{He},2n){}^{33}\text{Ar}$ product yield				
6215	BRK Revv J ARN	27 333 77	NDG		Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
	$^{32}\text{S}({}^3\text{He},n){}^{34}\text{Ar}$ product yield				
6216	KTY Expt P U/KTY-77	151 77	NDG		Benenson+ NDG. TBD. STUDIED RESONANCES.
	$\text{Cl}({}^3\text{He},x){}^{34}\text{Cl}$ thick target yield				
6217	FEI Expt J ARI	27 159 76	9.0+0 3.0+1		Zatolokin+ CURV.
	$\text{Cl}({}^3\text{He},x){}^{36}\text{Cl}$ thick target yield				
6218	FEI Expt J ARI	27 159 76	1.1+1 3.0+1		Zatolokin+ CURV.
	$^{38}\text{Ar}({}^3\text{He},2n){}^{37}\text{Ca}$ product yield				
6219	BRK Revv J ARN	27 333 77	NDG		Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
	$^{40}\text{Ca}({}^3\text{He},\text{absorption})$ o(E)				
6220	LAS Revv S BNL-51115	513 779	1.1+1 1.0+2		De-Vries+ CURV. CFD D.HE3. A PROJ.
	$^{40}\text{Ca}({}^3\text{He},2n){}^{41}\text{Ti}$ o(E)				
6221	BRK Revv J ARN	27 333 77	NDG		Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
	Revv S CERN-76-13 225 676 NDG				
	$^{40}\text{Ca}({}^3\text{He},3n){}^{40}\text{Ti}$ partial relative o(E)				
6222	MUN Expt J NC	34 321 76	1.0+1 2.2+1		Fortuna+ CURV. 5 GAMMA GROUPS.
	$\text{Ti}({}^3\text{He},x){}^{40}\text{Cr}$ o(E)				
6223	JUL Expt P JUEL-SPEZ-1560	678 1.0+1 1.4+2			Probst+ CURV.
	Expt P NEANDC(E)-1925 478 1.0+1 1.4+1 Probst+ CURV. P 47.				
	$\text{Ti}({}^3\text{He},x){}^{40}\text{Cr}$ o(E)*factor				
6224	JUL Expt P JUEL-SPEZ-1560	678 1.0+1 1.4+2			Probst+ CURV. CR51/CR48
	$\text{Ti}({}^3\text{He},x){}^{40}\text{Cr}$ cumulative thick target yield				
6225	JUL Expt P NEANDC(E)-1925	478 1.0+1 1.4+1			Probst+CURV. CUM YLD IN MUC1/MUAH P 47
	$\text{Ti}({}^3\text{He},x){}^{40}\text{Cr}$ thick target yield				
6226	JUL Expt A JLCR	16 131 79	3.6+1		Weinrich+ 35MUC1/MUAH. CV-28 CYCLO.
	$\text{Ti}({}^3\text{He},x){}^{51}\text{Cr}$ o(E)*factor				
6227	JUL Expt P JUEL-SPEZ-1560	678 1.0+1 1.4+2			Probst+ CURV. CR51/CR48
	$^{46}\text{Ti}({}^3\text{He},x){}^{43}\text{Sc}$ o(E)				
6228	MSU Exth S CERN-76-13	258 676 2.3+1 2.8+1			Edmiston+ CURV. ALICE.
	$^{46}\text{Ti}({}^3\text{He},x){}^{44}\text{Sc}$ o(E)				
6229	MSU Exth S CERN-76-13	258 676 1.5+1 2.8+1			Edmiston+ CURV. ALICE.
	$^{46}\text{Ti}({}^3\text{He},\alpha){}^{45}\text{Ti}$ o(E)				
6230	MSU Exth S CERN-76-13	258 676 1.5+1 2.2+1			Edmiston+ CURV. ALICE.
	$^{46}\text{Ti}({}^3\text{He},x){}^{46}\text{V}$ o(E)				
6231	MSU Exth S CERN-76-13	258 676 2.0+1 2.8+1			Edmiston+ CURV. ALICE.
	$^{46}\text{Ti}({}^3\text{He},x){}^{47}\text{V}$ o(E)				
6232	MSU Exth S CERN-76-13	258 676 1.5+1 2.8+1			Edmiston+ CURV. ALICE.
	$^{46}\text{Ti}({}^3\text{He},2n){}^{47}\text{Cr}$ o(E)				
6233	MSU Exth S CERN-76-13	258 676 1.5+1 2.8+1			Edmiston+ CURV. ALICE.

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
$^{46}\text{Ti}(^3\text{He},n)^{48}\text{Cr}$	$\sigma(E)$				
6234 MSU Exth S	CERN-76-13	258	676	1.5+1 1.7+1	Edmission+ CURV. ALICE.
$^{51}\text{V}(^3\text{He},x)^{52}\text{H}$	$\sigma(E)$				
6235 OSA Expt J NP/A	311	173	N78	7.0+1 9.0+1	Matsuoka+ TBL. EST. FROM PEAK OF CONTIN
$^{51}\text{V}(^3\text{He},p+d)^{51}\text{V}$	partial $\sigma(E)_d$				
6236 OSA Expt P A-RCNP-77	139	78	7.0+1 9.0+1	Matsuoka+ TBL. BREAKUP CONT.	
$^{51}\text{V}(^3\text{He},d)^{52}\text{Cr}$	$\sigma(E)$				
6237 OSA Exth P A-RCNP-77	139	378	7.0+1 9.0+1	Matsuoka+ TBL. FROM ANG. DIST. + OM	
$^{51}\text{V}(^3\text{He},2n)^{52}\text{Mn}$	partial $\sigma(E)$				
6238 JUL Revw J NIM	146	161	077	6.0+0 2.6+1	Schult. CURV. 6 G'S. IN-BEAM. NC/A 33, 460
$^{50}\text{Cr}(^3\text{He},n+p)^{51}\text{Mn}$	partial $\sigma(E)$				
6239 PAD Expt J NP/A	299	479	578	8.0+0 2.6+1	Fortuna+ CURV. 10 GS. MUNICH VOGT.
$^{50}\text{Cr}(^3\text{He},2n)^{51}\text{Fe}$	$\sigma(E)$				
6240 AAU Expt J NP/A	288	429	077	1.2+1 1.5+1	Hornshoj+ CURV.
Expt S CERN-76-13	120	677	1.2+1 1.5+1	Hornshoj+ 20MICROB TO 1.5MILLIB.	
$^{50}\text{Cr}(^3\text{He},2n)^{51}\text{Fe}$	relative $\sigma(E)$				
6241 AAU Expt S CERN-76-13	120	677	1.2+1 1.5+1	Hornshoj+ CURV.	
$^{50}\text{Cr}(^3\text{He},n)^{52}\text{Fe}$	relative 1_γ				
6242 TOK Expt J JPJ	43	1119	077	8.0+0	Iritani+ TBL. IN-BEAM. 2 ANG. COIN. 11
$^{52}\text{Cr}(^3\text{He},3n)^{52}\text{Fe}$	thick target yield+abundance				
6243 AML Revw J IRE	26	2281	479	4.6+1	Chaudri. TBL. CFD EXP. TO CALC.
$^{55}\text{Mn}(^3\text{He},x)^{51}\text{Cr}$	$\sigma(E)$				
6244 TOK Expt J ARI	30	625	79	8.0+0 4.0+1	Watanabe+ CURV. DIRECT GAMMAS.
$^{55}\text{Mn}(^3\text{He},x)^{52}\text{Mn}$	$\sigma(E)$				
6245 TOK Expt J ARI	30	625	79	8.0+0 4.0+1	Watanabe+ CURV. DIRECT GAMMAS.
$^{55}\text{Mn}(^3\text{He},x)^{54}\text{Mn}$	$\sigma(E)$				
6246 TOK Expt J ARI	30	625	79	8.0+0 4.0+1	Watanabe+ CURV. DIRECT GAMMAS.
$^{55}\text{Mn}(^3\text{He},x)^{56}\text{Mn}$	$\sigma(E)$				
6247 TOK Expt J ARI	30	625	79	8.0+0 4.0+1	Watanabe+ CURV. DIRECT GAMMAS.
$^{55}\text{Mn}(^3\text{He},3n)^{55}\text{Co}$	$\sigma(E)$				
6248 TOK Expt J ARI	30	625	79	8.0+0 4.0+1	Watanabe+ CURV. DIRECT GAMMAS.
$^{55}\text{Mn}(^3\text{He},3n)^{55}\text{Co}$	thick target yield				
6249 TOK Expt J ARI	30	625	79	1.5+1 4.0+1	Watanabe+ CURV. DIRECT GAMMAS.
Expt A JLCR	16	216	79	3.7+1 4.0+1	Watanabe+ TBL. 2 THICKNESSES.
$^{55}\text{Mn}(^3\text{He},2n)^{56}\text{Co}$	$\sigma(E)$				
6250 TOK Expt J ARI	30	625	79	8.0+0 4.0+1	Watanabe+ CURV. DIRECT GAMMAS.
$^{55}\text{Mn}(^3\text{He},2n)^{56}\text{Co}$	thick target yield				
6251 TOK Expt J ARI	30	625	79	9.0+0 4.0+1	Watanabe+ CURV. DIRECT GAMMAS.
$^{55}\text{Mn}(^3\text{He},2n)^{56}\text{Co}$	relative thick target yield				
6252 TOK Expt A JLCR	16	216	79	3.7+1 4.0+1	Watanabe+ TBL. 2 THICKNESSES.
$^{55}\text{Mn}(^3\text{He},n)^{57}\text{Co}$	thick target yield				
6253 TOK Expt J ARI	30	625	79	2.1+1 4.0+1	Watanabe+ CURV. DIRECT GAMMAS.
$\text{Fe}(^3\text{He},\text{total})$	$\sigma(E)$				
6254 IJI Revw J FCY	6	827	75	2.8+1	Nemels+ TBL. FROM PL/B 26.213(1968).
Revw J SJPN	6	325	76	2.8+1	TRANSLATION OF FCY 6.(4).827(1975).
$\text{Fe}(^3\text{He},x)^{55}\text{Co}$	thick target yield				
6255 NLP Expt J ARI	28	561	577	2.5+1	Neirinckx. 21MICROCURIE.
Expt A JLCR	23	176	77	2.5+1	Neirinckx. TBL. N156,57,C055-58.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Fe(³ He,x) ⁵⁶ Co thick target yield					
6256	NLP Expl A JLCR	23 176 77	2.5+1		Neirinckx. TBL. N156.57.C055-58.
Fe(³ He,x) ⁵⁷ Co thick target yield					
6257	NLP Expl A JLCR	23 176 77	2.5+1		Neirinckx. TBL. N156.57.C055-58.
Fe(³ He,x) ⁵⁸ Co thick target yield					
6258	NLP Expl A JLCR	23 176 77	2.5+1		Neirinckx. TBL. N156.57.C055-58.
Fe(³ He,x) ⁵⁶ Ni thick target yield					
6259	NLP Expl A JLCR	23 176 77	2.5+1		Neirinckx. TBL. N156.57.C055-58.
Fe(³ He,x) ⁵⁷ Ni thick target yield					
6260	NLP Expl J ARI	28 561 577	2.5+1		Neirinckx. 32MICROCURIE.
	Expl A JLCR	23 176 77	2.5+1		Neirinckx. TBL. N156.57.C055-58.
⁵⁴ Fe(³ He,2n) ⁵⁵ Ni σ(E)					
6261	AAU Expl J NP/A	288 429 077	1.2+1	1.5+1	Hornshoj+ CURV.
	Expl S CERN-76-13	120 577 1.3+1	1.5+1		Hornshoj+ 20MICROB TO 1.5MILLIB.
⁵⁴ Fe(³ He,2n) ⁵⁵ Ni relative σ(E)					
6262	AAU Expl S CERN-76-13	120 577 1.3+1	1.5+1		Hornshoj+ CURV.
⁵⁶ Fe(³ He,x) isotopic distribution relative σ(E)					
6263	NRL Expl J PR/C	14 1655 76	8.0+1		Singh+ TBL. ALSO PREEQ. 22 PROD(Z=22-27
	Expl J PR/C	14 1655 76	8.0+1		Singh+NOT OBS. ALSO PREEQ. 12 PROD(Z=21-8
⁵⁸ Co(³ He,n) ⁶¹ Cu thick target yield					
6264	TOK Expl A JLCR	23 185 77	1.8+1	4.0+1	Murakami+ CURV.
⁵⁸ Co(³ He,n) ⁶¹ Cu σ(E)					
6265	TOK Expl A JLCR	23 185 77	1.8+1	4.0+1	Murakami+ CURV.
⁵⁸ Co(³ He,n) isotopic distribution σ(E)					
6266	TOK Expl A JLCR	23 185 77	1.8+1	4.0+1	Murakami+ TBL. MAXIMUM SIGMAS. C056.7.9
Ni(³ He,total) σ(E)					
6267	IJI Revv J FCY	6 827 75	2.9+1		Nemets+ TBL. FROM PL/B 26.213(1968).
	Revv J SJPN	6 325 76	2.9+1		. TRANSLATION OF FCY 6.(4).827(1975).
⁵⁶ Ni(³ He,total) σ(E)					
6268	IJI Revv J FCY	6 827 75	2.9+1		Nemets+ CURV. DEPENDENCE ON A.
	Revv J SJPN	6 325 76	2.9+1		. TRANSLATION OF FCY 6.(4).827(1975).
⁵⁸ Ni(³ He,absorption) σ(E)					
6269	OXF Theo J APPB	8 887 077	3.8+1	5.1+1	Kobos+ TBL. 2 ES. CFD DWBA AND CRC.
⁵⁸ Ni(³ He,3p) ⁵⁸ Co σ(E)					
6270	JYV Expl P A-JYV-78	54 78 1.9+1	2.7+1		Jaaskelainen+ CURV. FROM GS. CFD GROG1.
⁵⁸ Ni(³ He,α) ⁵⁷ Ni partial σ(E)					
6271	OXF Theo J APPB	8 887 077	3.8+1	5.1+1	Kobos+ TBL. 2 ES. CFD DWBA AND CRC.
⁵⁸ Ni(³ He,α) ⁵⁷ Ni σ(E)=factor					
6272	BRK Exth J PR/C	18 205 778	2.0+1	2.1+2	Olaer+ CURV. RATIO DWBA/EXP.
⁵⁸ Ni(³ He,n+2p) ⁵⁸ Ni σ(E)					
6273	JYV Expl P A-JYV-78	54 78 1.5+1	2.7+1		Jaaskelainen+ CURV. FROM GS. CFD GROG1.
⁵⁸ Ni(³ He,2p) ⁵⁸ Ni σ(E)					
6274	JYV Expl P A-JYV-78	54 78 1.5+1	2.7+1		Jaaskelainen+ CURV. FROM GS. CFD GROG1.
⁵⁸ Ni(³ He,2p) ⁵⁸ Ni partial relative σ(E)					
6275	JYV Expl P A-JYV-78	56 78 1.5+1	2.4+1		Jaaskelainen+ CURV. 13 GS.
⁵⁰ Ni(³ He,n+p) ⁵⁹ Cu σ(E)					
6276	JYV Expl P A-JYV-78	54 78 1.5+1	2.7+1		Jaaskelainen+ CURV. FROM GS. CFD GROG1.
⁵⁸ Ni(³ He,p) ⁶⁰ Cu partial σ(E)					
6277	PUP Expl A BAP	23 539 478	8.0+0	1.5+1	Lee+ NDG. HIGH-E CONT. CFD. STAT. THEORY

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁵⁸ Ni(³ He,x) isotopic distribution relative σ(E)				
6278 NRL Expt J PR/C	14	1655	76 8.0+1	Singh+ TBL. ALSO PREEQ. 30 PROD(Z=21-29
Expt J PR/C	14	1655	76 8.0+1	Singh+NOT OBS. ALSO PREEQ. 8 PROD(Z=22-30
⁶⁰ Ni(³ He,p) ⁶² Cu partial σ(E)				
6279 PUP Expt A BAP	23	539	478 8.0+0 1.5+1	Lee+ NDG. HIGH-E CONT. CFD. STAT. THEORY
⁶¹ Ni(³ He,total) σ(E)				
6280 IJI Rev J FCY	6	827	75 2.9+1	Nemets+ CURV. DEPENDENCE ON A.
Rev J SJPN	6	325	76 2.9+1	. TRANSLATION OF FCY 6.(4),827(75).
⁶² Ni(³ He,p) ⁶⁴ Cu partial σ(E)				
6281 PUP Expt A BAP	23	539	478 8.0+0 1.5+1	Lee+ NDG. HIGH-E CONT. CFD. STAT. THEORY
⁶² Ni(³ He,n) ⁶⁴ Zn partial σ(E)				
6282 CCP Expt J IZV	43	2192	79 4.1+1	Bochkarev+ TBL. EN .GE. 1.5 MEV.
⁶² Ni(³ He,n) ⁶⁴ Zn σ(E)				
6283 CCP Expt J IZV	43	2192	79 4.1+1	Bochkarev+ TBL.
⁶³ Ni(³ He,total) σ(E)				
6284 IJI Rev J FCY	6	827	75 2.9+1	Nemets+ CURV. DEPENDENCE ON A.
Rev J SJPN	6	325	76 2.9+1	. TRANSLATION OF FCY 6.(4),827(75).
⁶⁴ Ni(³ He,p) ⁶⁶ Cu partial σ(E)				
6285 PUP Expt A BAP	23	539	478 8.0+0 1.5+1	Lee+ NDG. HIGH-E CONT. CFD. STAT. THEORY
⁶⁴ Ni(³ He,total) σ(E)				
6286 IJI Rev J FCY	6	827	75 2.9+1	Nemets+ TBL. FROM PL/B 26,213(1968).
Rev J SJPN	6	325	76 2.9+1	. TRANSLATION OF FCY 6.(4),827(1975).
⁶⁴ Ni(³ He,x) ⁷ Be σ(E)				
6287 KFK Comp B PH-DAT	15	2	079 3.9+1 6.9+1	Muenzel+ TBL. FROM EXFOR.
6288 ANL Expt J NP/A	152	419	70 4.0+1 7.0+1	Golcheri+ IMB AND 0.5MB.
Expt T GOLCHERT.			69 3.9+1 6.9+1	Golcheri. TBL. CURV. ACTIVATION.
Expt 4 EXFORB0039.025			77 3.9+1 6.9+1	. 20 ENTRIES.
⁶⁴ Ni(³ He,x) ⁶² Cu σ(E)				
6289 KFK Comp B PH-DAT	15	2	079 8.7+0 2.4+1	Muenzel+ TBL. FROM EXFOR.
6290 LAS Expt J PR	130	1512	63 8.7+0 2.4+1	Bryant+ TBL. CURV. STACKED FOILS.
Expt 4 EXFORB0079.012			078 8.7+0 2.4+1	. 9 ENTRIES.
⁶⁴ Ni(³ He,x) ⁶² Zn σ(E)				
6291 IKO Expt P A-1K0-77		63	77 7.0+1	Brinkman+ NDG. MONITOR. IN RRL 28. 9.
⁶⁴ Ni(³ He,x) ⁶⁵ Ga σ(E)				
6292 KFK Comp B PH-DAT	15	2	079 8.4+0 2.4+1	Muenzel+ TBL. FROM EXFOR.
6293 LAS Expt J PR	130	1512	63 8.7+0 2.4+1	Bryant+ TBL. CURV. STACKED FOILS.
Expt 4 EXFORB0079.002			078 8.4+0 2.4+1	. 11 ENTRIES.
⁶³ Cu(³ He,x) ³ H σ(E)				
6294 ANL Expt J NP/A	152	419	70 6.0+0 7.0+1	Golcheri+ NDG. SMALL FRACTION OF 2N+P
⁶³ Cu(³ He,3n+3α) ⁵¹ Mn σ(E)				
6295 ANL Expt J NP/A	152	419	70 5.5+1 6.9+1	Golcheri+ CURV.
Expt T GOLCHERT.			69 5.5+1 6.9+1	Golcheri. TBL. CURV. ACTIVATION.
Expt 4 EXFORB0039.024			77 5.5+1 6.9+1	. 11 ENTRIES.
6296 KFK Comp B PH-DAT	15	2	079 5.5+1 6.9+1	Muenzel+ TBL. FROM EXFOR.
⁶³ Cu(³ He,2n+3α) ⁵² Mn including metastable σ(E)				
6297 ANL Expt J NP/A	152	419	70 5.0+1 6.9+1	Golcheri+ CURV.
Expt T GOLCHERT.			69 5.0+1 6.9+1	Golcheri. TBL. CURV. ACTIVATION.
Expt 4 EXFORB0039.023			77 5.0+1 6.9+1	. 14 ENTRIES.
6298 KFK Comp B PH-DAT	15	2	079 5.0+1 6.9+1	Muenzel+ TBL. FROM EXFOR.
⁶³ Cu(³ He,3α) ⁵⁴ Mn σ(E)				
6299 ANL Expt J NP/A	152	419	70 3.9+1 6.9+1	Golcheri+ CURV.
Expt T GOLCHERT.			69 3.9+1 6.9+1	Golcheri. TBL. CURV. ACTIVATION.
Expt 4 EXFORB0039.022			77 3.9+1 6.9+1	. 20 ENTRIES.
6300 KFK Comp B PH-DAT	15	2	079 3.9+1 6.9+1	Muenzel+ TBL. FROM EXFOR.

REFERENCES(cont.)

No.	Lab	Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author.	Comments
$^{63}\text{Cu}(^3\text{He},2n+2\alpha)^{58}\text{Co}$ $\sigma(E)$							
6301	ANL	Expt J	NP/A 152	419	70	3.9+1	6.9+1 Golcherl+ CURV.
		Expt T	GOLCHERT.		69	3.9+1	6.9+1 Golcherl. TBL. CURV. ACTIVATION.
		Expt 4	EXFORB0039.020		77	3.9+1	6.9+1 . 20 ENTRIES.
6302	KFK	Comp B	PH-DAT 15	2	079	3.9+1	6.9+1 Muenzel+ TBL. FROM EXFOR.
$^{63}\text{Cu}(^3\text{He},n+2\alpha)^{57}\text{Co}$ $\sigma(E)$							
6303	ANL	Expt J	NP/A 152	419	70	1.2+1	6.9+1 Golcherl+ CURV.
		Expt T	GOLCHERT.		69	1.2+1	6.9+1 Golcherl. TBL. CURV. ACTIVATION.
		Expt 4	EXFORB0039.019		77	1.2+1	6.9+1 . 42 ENTRIES.
6304	KFK	Comp B	PH-DAT 15	2	079	1.2+1	6.9+1 Muenzel+ TBL. FROM EXFOR.
$^{63}\text{Cu}(^3\text{He},2\alpha)^{58}\text{Co}$ including metastable $\sigma(E)$							
6305	ANL	Expt J	NP/A 152	419	70	8.0+0	6.9+1 Golcherl+ CURV.
		Expt T	GOLCHERT.		69	8.0+0	6.9+1 Golcherl. TBL. CURV. ACTIVATION.
		Expt 4	EXFORB0039.024		77	8.0+0	6.9+1 . 60 DATA POINTS.
6306	KFK	Comp B	PH-DAT 15	2	079	8.0+0	6.9+1 Muenzel+ TBL. FROM EXFOR.
6307	LAS	Expt J	PR 130	1512	63	1.6+1	2.4+1 Bryant+ TBL. CURV. STACKED FOILS.
		Expt 4	EXFORB0079.014		078	1.6+1	2.4+1 . 5 DATA POINTS.
$^{63}\text{Cu}(^3\text{He},5n+\alpha)^{57}\text{Cu}$ $\sigma(E)$							
6308	ANL	Expt J	NP/A 152	419	70	5.4+1	6.9+1 Golcherl+ CURV.
		Expt T	GOLCHERT.		69	5.4+1	6.9+1 Golcherl. TBL. CURV. ACTIVATION.
		Expt 4	EXFORB0039.014		77	5.4+1	6.9+1 . 12 ENTRIES.
6309	KFK	Comp B	PH-DAT 15	2	079	5.4+1	6.9+1 Muenzel+ TBL. FROM EXFOR.
$^{63}\text{Cu}(^3\text{He},2n+\alpha)^{60}\text{Cu}$ $\sigma(E)$							
6310	ANL	Expt J	NP/A 152	419	70	2.1+1	3.4+1 Golcherl+ CURV.
		Expt T	GOLCHERT.		69	2.1+1	3.4+1 Golcherl. TBL. CURV. ACTIVATION.
		Expt 4	EXFORB0039.013		77	2.1+1	3.4+1 . 7 ENTRIES.
6311	KFK	Comp B	PH-DAT 15	2	079	2.1+1	3.4+1 Muenzel+ TBL. FROM EXFOR.
$^{63}\text{Cu}(^3\text{He},n+\alpha)^{61}\text{Cu}$ $\sigma(E)$							
6312	KFK	Comp B	PH-DAT 15	2	079	6.7+0	3.4+1 Muenzel+ TBL. FROM EXFOR.
6313	LAS	Expt J	PR 130	1512	63	6.7+0	2.4+1 Bryant+ TBL. CURV. STACKED FOILS.
		Expt 4	EXFORB0079.011		078	6.7+0	2.4+1 . 22 ENTRIES.
6314	ANL	Expt J	NP/A 152	419	70	1.9+1	3.4+1 Golcherl+ CURV. DEDUCED.
		Expt J	NP/A 152	419	70	2.6+1	3.4+1 Golcherl+ CURV.
		Expt T	GOLCHERT.		69	1.9+1	3.4+1 Golcherl. TBL. CURV. ACTIVATION.
		Expt 4	EXFORB0039.012		77	1.9+1	3.4+1 . 24 ENTRIES.
		Expt 4	EXFORB0039.026		77	2.6+1	3.4+1 . 4 ENTRIES.
$^{63}\text{Cu}(^3\text{He},\alpha)^{62}\text{Cu}$ $\sigma(E)$							
6315	ANL	Expt J	NP/A 152	419	70	8.1+0	3.2+1 Golcherl+ CURV.
		Expt T	GOLCHERT.		69	8.1+0	3.2+1 Golcherl. TBL. CURV. ACTIVATION.
		Expt 4	EXFORB0039.010		77	8.1+0	3.2+1 . 8 ENTRIES.
6316	KFK	Comp B	PH-DAT 15	2	079	8.1+0	3.2+1 Muenzel+ TBL. FROM EXFOR.
$^{63}\text{Cu}(^3\text{He},2p)^{64}\text{Cu}$ $\sigma(E)$							
6317	KFK	Comp B	PH-DAT 15	2	079	6.7+0	3.4+1 Muenzel+ TBL. FROM EXFOR.
6318	LAS	Expt J	PR 130	1512	63	6.7+0	2.4+1 Bryant+ TBL. CURV. STACKED FOILS.
		Expt 4	EXFORB0079.013		078	6.7+0	2.4+1 . 25 ENTRIES.
6319	ANL	Expt J	NP/A 152	419	70	2.1+1	3.4+1 Golcherl+ CURV.
		Expt T	GOLCHERT.		69	2.1+1	3.4+1 Golcherl. TBL. CURV. ACTIVATION.
		Expt 4	EXFORB0039.009		77	2.1+1	3.4+1 . 15 ENTRIES.
$^{63}\text{Cu}(^3\text{He},3n+p)^{62}\text{Zn}$ $\sigma(E)$							
6320	ANL	Expt J	NP/A 152	419	70	2.3+1	3.4+1 Golcherl+ CURV.
		Expt T	GOLCHERT.		69	2.3+1	3.4+1 Golcherl. TBL. CURV. ACTIVATION.
		Expt 4	EXFORB0039.007		77	2.3+1	3.4+1 . 44 ENTRIES.
6321	KFK	Comp B	PH-DAT 15	2	079	2.3+1	3.4+1 Muenzel+ TBL. FROM EXFOR.
6322	FUL	Expt J	ARI 30	786	79	3.8+1	De-Jong+ EXTRAPOLATION OF GOLCHERT+ DAT
$^{63}\text{Cu}(^3\text{He},3n+p)^{62}\text{Zn}$ cumulative $\sigma(E)$							
6323	KFK	Comp B	PH-DAT 15	2	079	1.6+1	2.3+1 Muenzel+ TBL. FROM EXFOR.
6324	LAS	Expt J	PR 130	1512	63	1.6+1	2.3+1 Bryant+ TBL. CURV. STACKED FOILS.
		Expt 4	EXFORB0079.007		078	1.6+1	2.3+1 . 4 ENTRIES.
$^{63}\text{Cu}(^3\text{He},x)^{63}\text{Zn}$ cumulative $\sigma(E)$							
6325	HAM	Expt P	NEANDC(E)-1925	478	1.1+1	4.4+1	Georgi+ CURV. ACT. MEAS. P. 52

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{63}\text{Cu}(^3\text{He}, 2n+p)^{63}\text{Zn}$ cumulative $\sigma(E)$						
6326	KFK Comp B PH-DAT	15 2 079 9.3+0	3.3+1	Muenzel+	TBL.	FROM EXFOR.
6327	LAS Expt J PR	130 1512 63 9.3+0	2.3+1	Bryant+	TBL.	CURV. STACKED FOILS. Expt 4 EXFORB0079.008 078 9.3+0 2.3+1 . 9 ENTRIES.
6328	ANL Expt J NP/A	152 419 70 1.9+1	3.3+1	Golcherl+	TBL.	CURV. ACTIVATION. Expt 1 GULLHEH1. 69 1.9+1 3.3+1 Golcherl. TBL. CURV. ACTIVATION. Expt 4 EXFORB0039.006 77 1.9+1 3.3+1 . 24 ENTRIES.
$^{63}\text{Cu}(^3\text{He}, p)^{63}\text{Zn}$ $\sigma(E)$						
6329	KFK Comp B PH-DAT	15 2 079 7.0+0	2.5+1	Muenzel+	TBL.	FROM EXFOR.
6330	LAS Expt J PR	130 1512 63 7.0+0	2.5+1	Bryant+	TBL.	CURV. STACKED FOILS. Expt 4 EXFORB0079.009 078 7.0+0 2.5+1 . 12 ENTRIES.
$^{63}\text{Cu}(^3\text{He}, 2n)^{64}\text{Ga}$ $\sigma(E)$						
6331	HAM Expt P NEANDC(E)-1925	478 1.1+1 4.4+1	Georgi+	CURV. ACT. MEAS.	P. 52	
$^{63}\text{Cu}(^3\text{He}, n)^{63}\text{Ga}$ $\sigma(E)$						
6332	KFK Comp B PH-DAT	15 2 079 8.7+0	2.4+1	Muenzel+	TBL.	FROM EXFOR.
6333	LAS Expt J PR	130 1512 63 8.7+0	2.4+1	Bryant+	TBL.	CURV. STACKED FOILS. Expt 4 EXFORB0079.003 078 8.7+0 2.4+1 . 11 ENTRIES.
6334	HAM Expt P NEANDC(E)-1925	478 1.1+1 4.4+1	Georgi+	CURV. ACT. MEAS.	P. 52	
$^{63}\text{Cu}(^3\text{He}, x)^3\text{H}$ $\sigma(E)$						
6335	ANL Expt J NP/A	152 419 70 6.0+0	7.0+1	Golcherl+	NDG.	SMALL FRACTION OF 2N+P
$^{63}\text{Cu}(^3\text{He}, p+2\alpha)^{59}\text{Fe}$ $\sigma(E)$						
6336	ANL Expt J NP/A	152 419 70 3.9+1	6.9+1	Golcherl+	CURV.	
	Expt T GOLCHERT.	69 3.9+1 6.9+1	Golcherl.	TBL.	CURV. ACTIVATION.	
	Expt 4 EXFORB0039.021	77 3.9+1 6.9+1			20 DATA POINTS.	
6337	KFK Comp B PH-DAT	15 2 079 3.9+1	6.9+1	Muenzel+	TBL.	FROM EXFOR.
$^{63}\text{Cu}(^3\text{He}, x)^{58}\text{Co}$ $\sigma(E)$						
6338	ANL Expt J NP/A	152 419 70 6.0+0	7.0+1	Golcherl+	NOT OBSERVED.	
$^{63}\text{Cu}(^3\text{He}, 2\alpha)^{60}\text{Co}$ including metastable $\sigma(E)$						
6339	ANL Expt J NP/A	152 419 70 8.1+0	6.9+1	Golcherl+	CURV.	
	Expt T GOLCHERT.	69 8.1+0 6.9+1	Golcherl.	TBL.	CURV. ACTIVATION.	
	Expt 4 EXFORB0039.017	77 8.1+0 6.9+1			58 ENTRIES.	
6340	KFK Comp B PH-DAT	15 2 079 8.1+0	6.9+1	Muenzel+	TBL.	FROM EXFOR.
$^{63}\text{Cu}(^3\text{He}, x)^{61}\text{Co}$ $\sigma(E)$						
6341	ANL Expt J NP/A	152 419 70 6.0+0	7.0+1	Golcherl+	NDG.	SOME DATA-LARGE SCATTER.
$^{63}\text{Cu}(^3\text{He}, p+\alpha)^{63}\text{Ni}$ $\sigma(E)$						
6342	ANL Expt J NP/A	152 419 70 2.1+1	6.9+1	Golcherl+	CURV.	
	Expt T GOLCHERT.	69 2.1+1 6.9+1	Golcherl.	TBL.	CURV. ACTIVATION.	
	Expt 4 EXFORB0039.016	77 2.1+1 6.9+1			20 ENTRIES.	
6343	KFK Comp B PH-DAT	15 2 079 2.1+1	6.9+1	Muenzel+	TBL.	FROM EXFOR.
$^{63}\text{Cu}(^3\text{He}, p+\alpha)^{63}\text{Ni}$ $\sigma(E)$						
6344	KFK Comp B PH-DAT	15 2 079 1.2+1	2.4+1	Muenzel+	TBL.	FROM EXFOR.
6345	LAS Expt J PR	130 1512 63 1.2+1	2.4+1	Bryant+	TBL.	CURV. STACKED FOILS. Expt 4 EXFORB0079.015 078 1.2+1 2.4+1 . 10 ENTRIES.
$^{63}\text{Cu}(^3\text{He}, 3p)^{65}\text{Ni}$ $\sigma(E)$						
6346	ANL Expt J NP/A	152 419 70 2.4+1	3.4+1	Golcherl+	CURV.	
	Expt T GOLCHERT.	69 2.4+1 3.4+1	Golcherl.	TBL.	CURV. ACTIVATION.	
	Expt 4 EXFORB0039.015	77 2.4+1 3.4+1			20 ENTRIES.	
6347	KFK Comp B PH-DAT	15 2 079 2.4+1	3.4+1	Muenzel+	TBL.	FROM EXFOR.
$^{63}\text{Cu}(^3\text{He}, 3n+\alpha)^{61}\text{Cu}$ $\sigma(E)$						
6348	ANL Expt J NP/A	152 419 70 2.5+1	3.2+1	Golcherl+	CURV.	
	Expt T GOLCHERT.	69 2.5+1 3.2+1	Golcherl.	TBL.	CURV. ACTIVATION.	
	Expt 4 EXFORB0039.011	77 2.5+1 3.2+1			4 ENTRIES.	
6349	KFK Comp B PH-DAT	15 2 079 2.5+1	3.2+1	Muenzel+	TBL.	FROM EXFOR.
$^{63}\text{Cu}(^3\text{He}, \alpha)^{64}\text{Cu}$ $\sigma(E)$						
6350	ANL Expt J NP/A	152 419 70 1.9+1	3.2+1	Golcherl+	CURV.	DEDUCED.
	Expt T GOLCHERT.	69 1.9+1 3.2+1	Golcherl.	TBL.	CURV. ACTIVATION.	
	Expt 4 EXFORB0039.008	77 1.9+1 3.2+1			8 ENTRIES.	
6351	KFK Comp B PH-DAT	15 2 079 1.9+1	3.2+1	Muenzel+	TBL.	FROM EXFOR.

REFERENCES(cont)

No.	Lab	Work	Reference	Emin	Emax	Author, Comments
Type				(MeV)	(MeV)	
$^{65}\text{Cu}(^3\text{He},2p)^{66}\text{Cu}$ $\sigma(E)$						
6352	ANL	Expt J NP/A	152 419 70	6.0+0	7.0+1	Golchert+ NOT OBSERVED.
$^{65}\text{Cu}(^3\text{He},2n+p)^{65}\text{Zn}$ $\sigma(E)$						
6353	ANL	Expt J NP/A	152 419 70	1.2+1	6.9+1	Golchert+ CURV. DEDUCED.
		Expt T GOLCHERT.	69	1.2+1	6.9+1	Golchert. TBL. CURV. ACTIVATION.
		Expt 4 EXFORB0039.005	77	1.2+1	6.9+1	. 100 ENTRIES.
6354	KFK	Comp B PH-DAT	15 2 079	1.2+1	6.9+1	Muenzel+ TBL. FROM EXFOR.
6355	LAS	Expt J PR	130 1512 63	1.3+1	2.4+1	Bryant+ TBL. CURV. STACKED FOILS.
		Expt 4 EXFORB0079.010	D78	1.3+1	2.4+1	. 6 ENTRIES.
$^{65}\text{Cu}(^3\text{He},4n)^{64}\text{Ga}$ $\sigma(E)$						
6356	HAM	Expt P NEANDC(E)-1925	478	1.1+1	4.4+1	Georgi+ CURV. ACT. MEAS. P. 52
$^{65}\text{Cu}(^3\text{He},3n)^{65}\text{Ga}$ $\sigma(E)$						
6357	ANL	Expt J NP/A	152 419 70	8.1+0	3.3+1	Golchert+ CURV.
		Expt T GOLCHERT.	69	8.1+0	3.3+1	Golchert. TBL. CURV. ACTIVATION.
		Expt 4 EXFORB0039.004	77	8.1+0	3.3+1	. 18 ENTRIES.
6358	KFK	Comp B PH-DAT	15 2 079	8.1+0	3.3+1	Muenzel+ TBL. FROM EXFOR.
6359	HAM	Expt P NEANDC(E)-1925	478	1.1+1	4.4+1	Georgi+ CURV. ACT. MEAS. P. 52
6360	LAS	Expt J PR	130 1512 63	1.6+1	2.4+1	Bryant+ TBL. CURV. STACKED FOILS.
		Expt 4 EXFORB0079.004	D78	1.6+1	2.4+1	. 6 ENTRIES.
$^{65}\text{Cu}(^3\text{He},2n)^{66}\text{Ga}$ $\sigma(E)$						
6361	LAS	Expt J PR	130 1512 63	6.7+0	2.4+1	Bryant+ TBL. CURV. STACKED FOILS.
		Expt 4 EXFORB0079.005	D78	6.7+0	2.4+1	. 19 ENTRIES.
6362	ANL	Expt J NP/A	152 419 70	8.1+0	3.4+1	Golchert+ CURV.
		Expt T GOLCHERT.	69	8.1+0	3.4+1	Golchert. TBL. CURV. ACTIVATION.
		Expt 4 EXFORB0039.003	77	8.1+0	3.4+1	. 52 ENTRIES.
6363	KFK	Comp B PH-DAT	15 2 079	8.1+0	3.4+1	Muenzel+ TBL. FROM EXFOR.
6364	HAM	Expt P NEANDC(E)-1925	478	1.1+1	4.4+1	Georgi+ CURV. ACT. MEAS. P. 52
6365	FUL	Expt J AR1	30 786 79	3.8+1		De-Jong+ EXTRAPOLATION OF GOLCHERT+ DAT
$^{65}\text{Cu}(^3\text{He},n)^{67}\text{Ga}$ $\sigma(E)$						
6366	ANL	Expt J NP/A	152 419 70	8.1+0	6.9+1	Golchert+ CURV.
		Expt T GOLCHERT.	69	8.1+0	6.9+1	Golchert. TBL. CURV. ACTIVATION.
		Expt 4 EXFORB0039.002	77	8.1+0	6.9+1	. 80 ENTRIES.
6367	KFK	Comp B PH-DAT	15 2 079	8.1+0	6.9+1	Muenzel+ TBL. FROM EXFOR.
6368	LAS	Expt J PR	130 1512 63	8.4+0	2.4+1	Bryant+ TBL. CURV. STACKED FOILS.
		Expt 4 EXFORB0079.006	D78	8.4+0	2.4+1	. 13 ENTRIES.
6369	HAM	Expt P NEANDC(E)-1925	478	1.1+1	4.4+1	Georgi+ CURV. ACT. MEAS. P. 52
$^{64}\text{Zn}(^3\text{He},2n)^{65}\text{Ge}$ product yield						
6370	BRK	Rev J ARN	27 333 77	NDG		Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
$^{64}\text{Zn}(^3\text{He},x)$ isotopic distribution relative $\sigma(E)$						
6371	NRL	Expt J PR/C	14 1655 76	8.0+1		Singh+ TBL. ALSO PREEO. 29 PROD(Z=22-31
		Expt J PR/C	14 1655 76	8.0+1		Singh+NOT OBS. ALSO PREEO. 20PROD(Z=21-27
$\text{Ge}(^3\text{He},x)^{71}\text{As}$ $\sigma(E)$						
6372	LIE	Expt A JLCR	16 126 79	+1 3.7+1		Guillaume+ NDG. CONTAMINANT IN SE73 PRO
$\text{Ge}(^3\text{He},x)^{72}\text{As}$ $\sigma(E)$						
6373	LIE	Expt A JLCR	16 126 79	+1 3.7+1		Guillaume+ NDG. CONTAMINANT IN SE73 PRO
$\text{Ge}(^3\text{He},x)^{76}\text{As}$ $\sigma(E)$						
6374	LIE	Expt A JLCR	16 126 79	+1 3.7+1		Guillaume+ NDG. CONTAMINANT IN SE73 PRO
$\text{Ge}(^3\text{He},x)^{72}\text{Se}$ $\sigma(E)$						
6375	JCL	Expt J AR1	30 595 79	2.0+0	4.0+1	Nozaki+ CURV.
$\text{Ge}(^3\text{He},x)^{72}\text{Se}$ thick target yield						
6376	JCL	Expt J AR1	30 595 79	5.0+0	4.0+1	Nozaki+ TBL. SATURATION ACTIVITY.
		Expt A JLCR	16 210 79	2.0+1	4.0+1	Nozaki+ TBL. SATURATION ACTIVITY.
$\text{Ge}(^3\text{He},x)^{73}\text{Se}$ $\sigma(E)$						
6377	JCL	Expt J AR1	30 595 79	1.0+1	4.0+1	Nozaki+ CURV.
		Expt P A-JCL-77	134 077	1.1+1	4.0+1	Nozaki+ CURV. STACKED FOILS.
6378	LIE	Expt A JLCR	16 126 79	+1 3.7+1		Guillaume+ NDG.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author.	Comments
$\text{Ge}(^3\text{He}, x)^{73}\text{Se}$ thick target yield						
6379	JCL Expt J ARI	30	595	79 5.0+0 4.0+1	Nozaki+	TBL. SATURATION ACTIVITY.
	Expt A JCLC	16	219	79 2.0+1 4.0+1	Nozaki+	TBL. SATURATION ACTIVITY.
6380	BNL Expt J ARI	29	411	778 2.0+1 3.5+1	Guillaume+	CURV. FROM STACKED FOILS.
$\text{Ge}(^3\text{He}, x)^{75}\text{Se}$ thick target yield						
6381	JCL Expt J ARI	30	595	79 5.0+0 4.0+1	Nozaki+	TBL. SATURATION ACTIVITY.
$\text{Ge}(^3\text{He}, x)^{75}\text{Se}$ $\sigma(E)$						
6382	LIE Expt A JCLC	16	126	79 +1 3.7+1	Guillaume+	NDG. CONTAMINANT IN SE73 PRO
$^{72}\text{Ge}(^3\text{He}, x)^{71}\text{As}$ $\sigma(E)$						
6383	LIE Expt A JCLC	16	126	79 +1 3.7+1	Guillaume+	NDG. CONTAMINANT IN SE73 PRO
$^{72}\text{Ge}(^3\text{He}, x)^{72}\text{As}$ $\sigma(E)$						
6384	LIE Expt A JCLC	16	126	79 +1 3.7+1	Guillaume+	NDG. CONTAMINANT IN SE73 PRO
$^{72}\text{Ge}(^3\text{He}, 2n)^{73}\text{Se}$ $\sigma(E)$						
6385	LIE Expt A JCLC	16	126	79 +1 3.7+1	Guillaume+	NDG. 96.4 PERCENT.
6386	BNL Expt J ARI	29	411	778 1.6+1 3.6+1	Guillaume+	TBL. CURV. STACKED FOILS
6387	JUL Revw W PREPRINT		678	1.6+1 3.6+1	Qaim+	CURV.
$^{72}\text{Ge}(^3\text{He}, 2n)^{73}\text{Se}$ thick target yield						
6388	BNL Expt J ARI	29	411	778 1.7+1 3.7+1	Guillaume+	CURV. FROM STACKED FOILS.
6389	JUL Revw W PREPRINT		678	3.7+1	Qaim+	0.93MC1/MICROAH
$^{72}\text{Ge}(^3\text{He}, 2n)^{73}\text{Se}$ thick target yield $\times$ abundance?						
6390	LIE Expt A JCLC	23	286	77 2.9+1	Guillame+	250MUC1/MUAH.
$^{72}\text{Ge}(^3\text{He}, \gamma)^{75}\text{Se}$ $\sigma(E)$						
6391	LIE Expt A JCLC	16	126	79 +1 3.7+1	Guillaume+	NDG. CONTAMINANT IN SE73 PRO
$^{73}\text{Ge}(^3\text{He}, 3n)^{73}\text{Se}$ $\sigma(E)$						
6392	BNL Expt J ARI	29	411	778 3.2+1 3.6+1	Guillaume+	TBL. CURV. STACKED FOILS
6393	JUL Revw W PREPRINT		678	3.3+1 3.6+1	Qaim+	CURV.
$^{73}\text{Ge}(^3\text{He}, x)^{73}\text{Se}$ thick target yield						
6394	LIE Expt A JCLC	16	126	79 3.7+1	Guillaume+	GEO2. 403MUC1/MUAH.
	Expt A JCLC	16	126	79 3.7+1	Guillaume+	72GE(96.4PRCNT). 933MUC1/MUAH
$^{75}\text{As}(^3\text{He}, 4n)^{74}\text{Br}$ $\sigma(E)$						
6395	JUL Expt P NEANDC(E)-202	679	2.0+1	1.0+2	Alfassi+	NDG. P. 42.
	Expt P INDC(GER)-2142	679	2.0+1	1.0+2	. SAME AS NEANDC(E)-202, 42.	
$^{75}\text{As}(^3\text{He}, 3n)^{75}\text{Br}$ $\sigma(E)$						
6396	JUL Expt P NEANDC(E)-202	679	2.0+1	1.0+2	Alfassi+	NDG. P. 42.
	Expt P INDC(GER)-2142	679	2.0+1	1.0+2	. SAME AS NEANDC(E)-202, 42.	
$\text{Se}(^3\text{He}, x)^{76}\text{Kr}$ thick target yield						
6397	FUL Expt J ARI	30	786	79 3.8+1	De-Jong+	TBL. NA2SE03 TARGET.
$\text{Se}(^3\text{He}, x)^{77}\text{Kr}$ thick target yield						
6398	FUL Expt J ARI	30	786	79 3.8+1	De-Jong+	TBL. NA2SE03 TARGET.
$\text{Br}(^3\text{He}, x)^{79}\text{Kr}$ thick target yield						
6399	JCL Expt J ARI	30	345	79 1.8+1 3.8+1	Homma+	CURV. FROM SIG(E).
$\text{Br}(^3\text{He}, x)^{81}\text{Rb}$ $\sigma(E)$						
6400	JCL Expt J ARI	30	345	79 2.6+1 4.0+1	Homma+	CURV. FROM SIG(E).
$\text{Br}(^3\text{He}, x)^{81}\text{Rb}$ thick target yield						
6401	JCL Expt J ARI	30	345	79 1.1+1 3.8+1	Homma+	CURV. STACKED FOILS(PBR).
$^{78}\text{Br}(^3\text{He}, x)^{79}\text{Kr}$ $\sigma(E)$						
6402	JCL Expt J ARI	30	345	79 1.1+1 3.8+1	Homma+	CURV. STACKED FOILS(PBR).
$^{81}\text{Br}(^3\text{He}, 3n)^{81}\text{Rb}$ thick target yield $\times$ abundance						
6403	AML Revw J IRE	26	2281	479 2.2+1	Chaudri.	TBL. CFD EXP. TO CALC.
$^{81}\text{Br}(^3\text{He}, 2n)^{82}\text{Rb}$ thick target yield $\times$ abundance						
6404	AML Revw J IRE	26	2281	479 2.2+1	Chaudri.	TBL. CFD EXP. TO CALC.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		$^{81}\text{Br}(^3\text{He}, 2n)^{82}\text{Rb}$			$\sigma(E)$	
6405	JCL Expt J ARI	30	345	79 1.1+1	3.8+1 Homma+	CURV. STACKED FOILS(PBR).
		$^{81}\text{Br}(^3\text{He}, 2n)^{82}\text{Rb}$			thick target yield	
6406	JCL Expt J ARI	30	345	79 1.1+1	3.8+1 Homma+	CURV. FROM SIG(E).
		$^{89}\text{Y}(^3\text{He}, 2n+\alpha)^{86}\text{Y}$			$\sigma(E)$	
6407	KFK Expt R KFK-2298	63	476	1.5+1	4.0+1 Flach+	CURV. T1/2=48. M
		$^{89}\text{Y}(^3\text{He}, 2n+\alpha)^{86}\text{Y}$			$\sigma(E)$	
6408	KFK Expt P NEANDC(E)-172	776	2.6+1	4.0+1	Flach+	CURV. P. 33.
		$^{89}\text{Y}(^3\text{He}, n+\alpha)^{87}\text{Y}$			$\sigma(E)$	
6409	KFK Expt R KFK-2298	63	476	1.5+1	4.0+1 Flach+	CURV. T1/2=13. H
		$^{89}\text{Y}(^3\text{He}, n+\alpha)^{87}\text{Y}$			$\sigma(E)$	
6410	KFK Expt P NEANDC(E)-172	776	1.3+1	4.0+1	Flach+	CURV. P. 33.
		$^{89}\text{Y}(^3\text{He}, \alpha)^{88}\text{Y}$			$\sigma(E)$	
6411	KFK Expt P NEANDC(E)-172	776		+0 4.0+1	Flach+	NDG. P. 33.
		$^{89}\text{Y}(^3\text{He}, 2p)^{90}\text{Y}$			$\sigma(E)$	
6412	KFK Expt P NEANDC(E)-172	776	1.5+1	4.0+1	Flach+	CURV. P. 33.
	Expt R KFK-2298	63	476	1.5+1	4.0+1 Flach+	CURV. T1/2=31.9 H
		$^{89}\text{Y}(^3\text{He}, 3n+p)^{88}\text{Zr}$			$\sigma(E)$	
6413	KFK Expt P NEANDC(E)-172	776		+0 4.0+1	Flach+	NDG. P. 33.
		$^{89}\text{Y}(^3\text{He}, x)^{89}\text{Zr}$			relative I_γ	
6414	UJV Expt J NP/A 280	115	477	2.0+1	2.8+1 Spalek+	TBL.
		$^{89}\text{Y}(^3\text{He}, 2n+p)^{89}\text{Zr}$			$\sigma(E)$	
6415	KFK Expt P NEANDC(E)-172	776		+0 4.0+1	Flach+	NDG. P. 33.
		$^{89}\text{Y}(^3\text{He}, 4n)^{89}\text{Nb}$			$\sigma(E)$	
6416	KFK Expt P NEANDC(E)-172	776	3.5+1	4.0+1	Flach+	CURV. P. 33.
		$^{89}\text{Y}(^3\text{He}, 3n)^{89}\text{Nb}$			relative I_γ	
6417	UJV Expt J NP/A 280	115	477	2.0+1	2.8+1 Spalek+	TBL.
		$^{89}\text{Y}(^3\text{He}, 3n)^{89}\text{Nb}$			$\sigma(E)$	
6418	KFK Expt P NEANDC(E)-172	776	2.0+1	4.0+1	Flach+	CURV. P. 33.
		$^{89}\text{Y}(^3\text{He}, 2n)^{90}\text{Nb}$			relative I_γ	
6419	UJV Expt J NP/A 280	115	477	2.0+1	2.8+1 Spalek+	TBL.
		$^{89}\text{Y}(^3\text{He}, 2n)^{90}\text{Nb}$			including metastable $\sigma(E)$	
6420	KFK Expt R KFK-2298	63	476	1.5+1	4.0+1 Flach+	CURV.
		$^{89}\text{Y}(^3\text{He}, 2n)^{90}\text{Nb}$			$\sigma(E)$	
6421	KFK Expt P NEANDC(E)-172	776	1.3+1	4.0+1	Flach+	CURV. P. 33.
		$^{90}\text{Zr}(^3\text{He}, x)^{82}\text{H}$			$\sigma(E)$	
6422	OSA Expt J NP/A 311	173	N78	7.0+1	9.0+1 Matsuoka+	TBL. EST. FROM PEAK OF CONTIN
		$^{90}\text{Zr}(^3\text{He}, p+d)^{90}\text{Zr}$			partial $\sigma(E)_d$	
6423	OSA Expt P A-RCNP-77	139	78	7.0+1	9.0+1 Matsuoka+	TBL. BREAKUP CONT.
		$^{90}\text{Zr}(^3\text{He}, t)^{90}\text{Nb}$			partial $\sigma(E)$	
6424	TOK Expt P A-INS-78	44	79	2.1+1	6.0+1 Hayakawa+	CURV. SUMMED. 5 STATES.
		$^{90}\text{Zr}(^3\text{He}, t)^{90}\text{Nb}$			partial relative $\sigma(E)$	
6425	TOK Expt P A-INS-78	44	79	2.0+1	6.0+1 Hayakawa+	CURV. SUMMED. CALCULATED.
		$^{90}\text{Zr}(^3\text{He}, d)^{91}\text{Nb}$			$\sigma(E)$	
6426	OSA Expt P A-RCNP-77	139	378	7.0+1	9.0+1 Matsuoka+	TBL. FROM ANG. DIST. + OM
		$^{90}\text{Zr}(^3\text{He}, x)^{89}\text{Mo}$			partial product yield	
6427	CLU Expt A BAP	24	649	479 3.0+1	4.5+1 De-Boer+	NDG. GAMMA-RAY EXCITATION FUNC

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
$^{90}\text{Zr}(^3\text{He},3\text{n})^{90}\text{Mo}$	partial product yield			
6428 CLU Expt A BAP	24 649 479	3.0+1	4.5+1	De-Boer+ NDG. GAMMA-RAY EXCITATION FUNC
$^{91}\text{Zr}(^3\text{He},\text{t})^{91}\text{Nb}$	$\sigma(\text{E})$ factor			
6429 LAS Expt P ERDA-NDC-9	108 477	7.0+0	2.1+1	Brill+ CURV. EXC. E GIVEN. (N,P) SIM.
$^{93}\text{Nb}(^3\text{He},2\text{n}+\alpha)^{90}\text{Nb}$	$\sigma(\text{E})$			
6430 KFK Expt P NEANDC(E)-172	776	+0	4.0+1	Flach+ NDG. P. 33.
$^{93}\text{Nb}(^3\text{He},2\text{n}+\text{p})^{93}\text{Mo}$	$\sigma(\text{E})$			
6431 KFK Expt P NEANDC(E)-172	776	+0	4.0+1	Flach+ NDG. P. 33.
$^{93}\text{Nb}(^3\text{He},4\text{n})^{92}\text{Tc}$	$\sigma(\text{E})$			
6432 KFK Expt P NEANDC(E)-172	776	+0	4.0+1	Flach+ NDG. P. 33.
6433 HAM Expt P NEANDC(E)-1925	478	1.1+1	4.4+1	Georgi+ CURV. ACT. MEAS. P. 52
$^{93}\text{Nb}(^3\text{He},3\text{n})^{93}\text{Tc}$	$\sigma(\text{E})$			
6434 KFK Expt P NEANDC(E)-172	776	+0	4.0+1	Flach+ NDG. P. 33.
6435 HAM Expt P NEANDC(E)-1925	478	1.1+1	4.4+1	Georgi+ CURV. ACT. MEAS. P. 52
$^{93}\text{Nb}(^3\text{He},2\text{n})^{94}\text{Tc}$	$\sigma(\text{E})$			
6436 KFK Expt P NEANDC(E)-172	776	+0	4.0+1	Flach+ NDG. P. 33.
6437 HAM Expt P NEANDC(E)-1925	478	1.1+1	4.4+1	Georgi+ CURV. ACT. MEAS. P. 52
$^{93}\text{Nb}(^3\text{He},\text{n})^{95}\text{Tc}$	$\sigma(\text{E})$			
6438 HAM Expt P NEANDC(E)-1925	478	1.1+1	4.4+1	Georgi+ CURV. ACT. MEAS. P. 52
$\text{Mo}(^3\text{He},\text{x})^{97}\text{Ru}$	product yield			
6439 JUL Revw W PREPRINT	678	1.8+1	3.0+1	Qaim+ CURV.
$^{104}\text{Pd}(^3\text{He},3\text{n})^{104}\text{Cd}$	partial $\sigma(\text{E})$			
6440 JCL Expt C 77TOKYO	335 977	2.6+1	4.6+1	Hashizume+ NDG.
$\text{Ag}(^3\text{He},\text{total})$	$\sigma(\text{E})$			
6441 IJI Revw J FCY	6 827	75	2.9+1	Nemets+ TBL. FROM PL/B 26,213(1968).
Revw J SJPN	6 325	76	2.9+1	. TRANSLATION OF FCY 6,(4),827(1975).
$^{106}\text{Cd}(^3\text{He},\text{x})^{105}\text{In}$	raw $\sigma(\text{E})$			
6442 KAZ Expt J ZEP	22 120	75	3.2+1	5.9+1 Burminskii+ CURV. 64%CD106. DELAYED G'S
Expt J JEL	22 54	75	3.2+1	5.9+1 .TRANSLATION OF ZEP 22,120(1975)
$^{106}\text{Cd}(^3\text{He},\text{x})^{106}\text{In}$	partial raw $\sigma(\text{E})$			
6443 KAZ Expt J ZEP	22 120	75	2.1+1	5.9+1 Burminskii+ CURV. 64%CD106. DELAYED G'S
Expt J JEL	22 54	75	2.1+1	5.9+1 .TRANSLATION OF ZEP 22,120(1975)
$^{106}\text{Cd}(^3\text{He},\text{x})^{107}\text{In}$	raw $\sigma(\text{E})$			
6444 KAZ Expt J ZEP	22 120	75	2.1+1	5.9+1 Burminskii+ CURV. 64%CD106. DELAYED G'S
Expt J JEL	22 54	75	2.1+1	5.9+1 .TRANSLATION OF ZEP 22,120(1975)
$^{106}\text{Cd}(^3\text{He},\text{x})^{107}\text{Sn}$	raw $\sigma(\text{E})$			
6445 KAZ Expt J ZEP	22 120	75	2.1+1	4.5+1 Burminskii+ CURV. 64%CD106. DELAYED G'S
Expt J JEL	22 54	75	2.1+1	4.5+1 .TRANSLATION OF ZEP 22,120(1975)
$^{106}\text{Cd}(^3\text{He},3\text{n})^{106}\text{Sn}$	raw $\sigma(\text{E})$			
6446 KAZ Expt J ZEP	22 120	75	2.1+1	5.9+1 Burminskii+ CURV. 64%CD106. DELAYED G'S
Expt J JEL	22 54	75	2.1+1	5.9+1 .TRANSLATION OF ZEP 22,120(1975)
$^{106}\text{Cd}(^3\text{He},2\text{n})^{107}\text{Sn}$	raw $\sigma(\text{E})$			
6447 KAZ Expt J ZEP	22 120	75	2.1+1	4.7+1 Burminskii+ CURV. 84%CD106. DELAYED G'S
Expt J JEL	22 54	75	2.1+1	4.7+1 .TRANSLATION OF ZEP 22,120(1975)
$^{117}\text{Sn}(^3\text{He},3\text{n})^{117}\text{Te}$	partial product yield			
6448 ROS Expt J NP/A	329 157 079			NDG. Hagemann+ NDG.
$^{118}\text{Sn}(^3\text{He},\text{x})^{2\text{H}}$	$\sigma(\text{E})$			
6449 OSA Expt J NP/A	311 173 N78	7.0+1	9.0+1	Matsuoka+ TBL. EST. FROM PEAK OF CONTIN
$^{118}\text{Sn}(^3\text{He},\text{p}+\text{d})^{118}\text{Sn}$	partial $\sigma(\text{E})$			
6450 OSA Expt P A-RCNP-77	139 78	7.0+1	9.0+1	Matsuoka+ TBL. BREAKUP CONT.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{118}\text{Sn}(^3\text{He},d)^{119}\text{Sb}$ $\sigma(E)$			
6451	OSA Exth P	A-RCNP-77	139	378 7.0+1	9.0+1 Matsuoka+ TBL. FROM ANG. DIST. + OM
		$\text{Sb}(^3\text{He},x)^{121}\text{I}$ thick target yield			
6452	UJV Comp R	UJF-4199-B	277	1.2+1	2.6+1 Bem+ TBL.
		$\text{Sb}(^3\text{He},x)^{123}\text{I}$ thick target yield			
6453	UJV Comp R	UJF-4199-B	277	1.3+1	3.2+1 Bem+ TBL.
		$\text{Sb}(^3\text{He},x)^{124}\text{I}$ thick target yield			
6454	UJV Comp R	UJF-4199-B	277	1.5+1	3.1+1 Bem+ TBL.
		$^{121}\text{Sb}(^3\text{He},n)^{123}\text{I}$ thick target yield=abundance			
6455	AML Revv J	IRE 26	2281	479 2.3+1	Chaudri. TBL. CFD EXP. TO CALC.
		$^{123}\text{Sb}(^3\text{He},3n)^{123}\text{I}$ thick target yield			
6456	JUL Revv J	JRC 30	53	76 4.0+1	Weinreich+ TBL.
		$\text{Te}(^3\text{He},x)n-4$ $\sigma(E)$			
6457	CLU Expl A	BAP 24	818	979 4.4+1	1.7+2 De-Boer+ UPPER LIM. = 1 MICROB.
		$\text{Te}(^3\text{He},x)^{125}\text{Xe}$ $\sigma(E)$			
6458	TOK Expl J	ARI 28	738	877 8.0+0	4.0+1 Homma+ CURV. ACTIVATION.
		$\text{Te}(^3\text{He},x)^{125}\text{Xe}$ thick target yield			
6459	TOK Expl J	ARI 28	738	877 8.0+0	4.0+1 Homma+ CURV. FROM SIG(E)
		$^{122}\text{Te}(^3\text{He},x)^{123}\text{I}$ cumulative thick target yield*factor			
6460	UJV Comp R	UJF-4199-B	277	1.4+1	1.8+1 Bem+ TBL. 73.3% TE122
		$^{123}\text{Te}(^3\text{He},x)^{123}\text{I}$ cumulative thick target yield*factor			
6461	UJV Comp R	UJF-4199-B	277	1.7+1	2.1+1 Bem+ TBL. 73.3% TE122
		$^{123}\text{Te}(^3\text{He},3n)^{123}\text{Xe}$ thick target yield			
6462	AML Revv J	IRE 26	2281	479 3.0+1	3.5+1 Chaudri. TBL. CFD EXP. TO CALC.
		$^{124}\text{Te}(^3\text{He},4n)^{123}\text{Xe}$ thick target yield			
6463	AML Revv J	IRE 26	2281	479 3.8+1	5.2+1 Chaudri. TBL. CFD EXP. TO CALC.
		$^{125}\text{Te}(^3\text{He},3n)^{125}\text{Xe}$ partial relative $\sigma(E)$			
6464	JYV Expl J	NP/A 332	183	079 2.0+1	2.7+1 Helppi+ CURV. 7 GS. FROM POSITIVE PAR.
	Expl R	JU-RR-5/79	79	2.0+1	2.7+1 Helppi+ CURV. 7 GAMMAS. ALSO A2.A4.
		$^{125}\text{Te}(^3\text{He},xn+p)$ isotopic distribution partial relative $\sigma(E)$			
6465	JYV Expl J	NP/A 332	183	079 2.0+1	2.7+1 Helppi+ NDG. IODINE ISOTOPES.
		$^{128}\text{Te}(^3\text{He},x)^{126}\text{I}$ $\sigma(E)$			
6466	JYV Expl P	A-JYV-78	73	78 2.0+1	2.7+1 Haltula+ NDG. LARGE.
		$^{128}\text{Te}(^3\text{He},x)^{127}\text{I}$ $\sigma(E)$			
6467	JYV Expl P	A-JYV-78	73	78 2.0+1	2.7+1 Haltula+ NDG. LARGE.
		$^{128}\text{Te}(^3\text{He},3n)^{126}\text{Xe}$ $\sigma(E)$			
6468	JYV Expl P	A-JYV-78	73	78 2.0+1	2.7+1 Haltula+ NDG. LARGE.
		$^{128}\text{Te}(^3\text{He},2n)^{127}\text{Xe}$ $\sigma(E)$			
6469	JYV Expl P	A-JYV-78	73	78 2.0+1	2.7+1 Haltula+ NDG. LARGE.
		$^{130}\text{Te}(^3\text{He},x)^{130}\text{I}$ $\sigma(E)$			
6470	JYV Expl P	A-JYV-78	73	78 2.0+1	2.7+1 Haltula+ NDG. LARGE.
		$^{127}\text{I}(^3\text{He},3n)^{127}\text{Cs}$ thick target yield			
6471	AML Revv J	IRE 26	2281	479 2.2+1	Chaudri. TBL. CFD EXP. TO CALC.
		$^{133}\text{Cs}(^3\text{He},3n)^{133}\text{La}$ product yield			
6472	TOK Expl J	JPJ 43	1109	077	NDG Chiba+NDG.NUCL.STRUCT. STUDY AT 33 MEV
		$^{138}\text{Ba}(^3\text{He},4n)^{137}\text{Ce}$ relative I_γ			
6473	IKO Expl J	JP/A 281	287	77 3.8+1	Ludziejewski+ TBL. 8 GAMMAS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{140}\text{Ce}(^3\text{He},4n)^{139}\text{Nd}$			relative I_γ
6474	IKO Expt J ZP/A	281	287	77 3.8+1	Ludziejewski+ TBL. 6 GAMMAS.
		$^{141}\text{Pr}(^3\text{He},3n)^{141}\text{Pm}$			partial relative $\sigma(E)$
6475	JYV Expt R JU-RR-10-1979	879	2.7+1		Kortelahti+ TBL. 42GS. ALSO A2,A4,ALPHA
	Expt R JU-RR-10-1979	879	1.9+1	2.7+1	Kortelahti+ NDG. CE(11). 125 NEG.
		$^{148}\text{Nd}(^3\text{He},3n)^{148}\text{Sm}$			partial $\sigma(E)$
6476	JYV Expt J NP/A	321	71 579	1.9+1 2.7+1	Hammaren+ TBL. IN-BEAM G SPECTROSCOPY.
		$^{149}\text{Nd}(^3\text{He},4n)^{147}\text{Sm}$			partial relative $\sigma(E)$
6477	JYV Expt J NP/A	321	71 579	1.9+1 2.7+1	Hammaren+ CURV. 3 GAMMAS.
		$^{149}\text{Nd}(^3\text{He},3n)^{148}\text{Sm}$			partial $\sigma(E)$
6478	JYV Expt J NP/A	321	71 579	2.2+1 2.7+1	Hammaren+ TBL. IN-BEAM G SPECTROSCOPY.
		$^{149}\text{Nd}(^3\text{He},3n)^{148}\text{Sm}$			partial relative $\sigma(E)$
6479	JYV Expt J NP/A	321	71 579	1.9+1 2.7+1	Hammaren+ CURV. 18 GAMMAS.
	Expt J NP/A	321	71 579	2.7+1	Hammaren+ TBL. 27 GAMMAS. ALSO A2,A4,CE
		$^{150}\text{Nd}(^3\text{He},4n)^{149}\text{Sm}$			partial $\sigma(E)$
6480	JYV Expt J NP/A	321	71 579	2.2+1 2.7+1	Hammaren+ TBL. IN-BEAM G SPECTROSCOPY.
		$^{150}\text{Nd}(^3\text{He},4n)^{149}\text{Sm}$			partial relative $\sigma(E)$
6481	JYV Expt J NP/A	321	71 579	2.2+1 2.7+1	Hammaren+ CURV. 22 GAMMAS.
	Expt J NP/A	321	71 579	2.7+1	Hammaren+ TBL. 53 GAMMAS. ALSO A2,A4,CE
		$^{150}\text{Nd}(^3\text{He},3n)^{150}\text{Sm}$			partial $\sigma(E)$
6482	JYV Expt J NP/A	321	71 579	2.2+1 2.7+1	Hammaren+ TBL. IN-BEAM G SPECTROSCOPY.
		$^{150}\text{Sm}(^3\text{He},\alpha)^{148}\text{Sm}$			$\sigma(E)$
6483	JYV Expt P A-JYV-77	63	77 1.9+1	2.7+1	Hammaren+ CURV. FROM GAMMAS.
		$^{150}\text{Sm}(^3\text{He},2p)^{151}\text{Sm}$			$\sigma(E)$
6484	JYV Expt P A-JYV-77	63	77 2.2+1	2.7+1	Hammaren+ CURV. FROM GAMMAS.
		$^{150}\text{Sm}(^3\text{He},2p)^{151}\text{Sm}$			partial relative $\sigma(E)$
6485	JYV Expt P A-JYV-77	63	77 2.2+1	2.7+1	Hammaren+ CURV. 5 GAMMAS.
		$^{150}\text{Sm}(^3\text{He},4n)^{149}\text{Gd}$			$\sigma(E)$
6486	JYV Expt P A-JYV-77	63	77 1.9+1	2.7+1	Hammaren+ CURV. FROM GAMMAS.
		$^{150}\text{Sm}(^3\text{He},3n)^{150}\text{Gd}$			$\sigma(E)$
6487	JYV Expt P A-JYV-77	63	77 1.9+1	2.7+1	Hammaren+ CURV. CALCULATED.
		$^{150}\text{Sm}(^3\text{He},2n)^{151}\text{Gd}$			$\sigma(E)$
6488	JYV Expt P A-JYV-77	63	77 1.9+1	2.7+1	Hammaren+ CURV. FROM GAMMAS.
		$^{151}\text{Eu}(^3\text{He},3n)^{151}\text{Tb}$			I_γ
6489	ROS Expt J NP/A	311	11 N78	2.4+1 3.2+1	Kennitz+ NDG.
	Expt J NP/A	311	11 N78	2.4+1 3.2+1	Kennitz+ TBL. 16 GS. ALSO A2,A4.
		$^{159}\text{Tb}(^3\text{He},x)^{22}\text{H}$			$\sigma(E)$
6490	OSA Expt J NP/A	311	173 N78	7.0+1 9.0+1	Matsuoka+ TBL. EST. FROM PEAK OF CONTIN
		$^{159}\text{Tb}(^3\text{He},p+d)^{159}\text{Tb}$			partial $\sigma(E)_d$
6491	OSA Expt P A-RCNP-77	139	78 7.0+1	9.0+1	Matsuoka+ TBL. BREAKUP CONT.
		$^{159}\text{Tb}(^3\text{He},d)^{160}\text{Dy}$			$\sigma(E)$
6492	OSA Expt P A-RCNP-77	139	378 7.0+1	9.0+1	Matsuoka+ TBL. FROM ANG. DIST. + OM
		$^{164}\text{Dy}(^3\text{He},3n)^{164}\text{Er}$			partial relative $\sigma(E)$
6493	OSA Expt J JPJ	46	6 179	2.5+1	Kishimoto+ CURV. REL. POP. OF G.S. BAND
		$^{164}\text{Dy}(^3\text{He},xn)$			isotopic distribution relative $\sigma(E)$
6494	OSA Expt P A-RCNP-78	83	79 6.5+1		Sakai+ CURV. X=5-8. SUM = 1.
		$^{164}\text{Dy}(^3\text{He},xn+p)$			isotopic distribution relative $\sigma(E)$
6495	OSA Expt P A-RCNP-78	83	79 6.5+1		Sakai+ CURV. X=1,3-6. SUM = 1.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author. Comments
		¹⁶⁵ Ho(³ He,3n+p) ¹⁶⁴ Er relative I _γ			
6496	GRE Expt J NP/A 289	77 077 4.4+1			Foin+ TBL. THETA=125 DEG.
		¹⁶⁵ Ho(³ He,xn)isotopic distribution relative I _γ			
6497	GRE Expt J NP/A 289	77 077 4.0+1 5.7+1			Foin+ NDG.
	Expt J NP/A 289	77 077 4.4+1			Foin+ TBL. X=4-6. THETA=125 DEG.
		¹⁶⁵ Ho(³ He,xn+p)isotopic distribution relative σ(E)			
6498	OSA Expt P A-RCNP-78	83 79 1.0+2			Sakai+ CURV. X=1,3,5-7,9.
		¹⁶⁹ Tm(³ He,5n) ¹⁶⁷ Lu relative I _γ			
6499	GRE Expt J NP/A 287	77 877 4.5+1			Barneoud+ TBL. MEASURED GAMMAS.
		¹⁶⁹ Tm(³ He,x)isotopic distribution relative I _γ			
6500	GRE Expt J NP/A 287	77 877 4.2+1 5.7+1			Barneoud+ NDG. MEASURED GAMMAS.
		¹⁷⁴ Yb(³ He,3n) ¹⁷⁴ Hf partial relative σ(E)			
6501	OSA Expt J JPJ 46	6 179 2.5+1			Kishimoto+ CURV. REL. POP. OF G.S. BAND
		¹⁷⁶ Yb(³ He,xn)isotopic distribution relative σ(E)			
6502	OSA Expt P A-RCNP-78	83 79 8.0+1 1.0+2			Sakai+ CURV. X=5-11. SUM = 1.
	Exth C 77TOKYO	731 977 8.0+1			Sakai+ NDG. X=5-9.
		¹⁷⁶ Yb(³ He,xn)isotopic distribution partial σ(E)=factor			
6503	OSA Expt P A-RCNP-76	181 76 4.0+1 1.2+2			Ejiri+ NDG. (K=6,J=6)/(K=0,J=6) IN HF
		¹⁷⁵ Lu(³ He,xn+p)isotopic distribution relative σ(E)			
6504	OSA Expt P A-RCNP-78	83 79 8.0+1			Sakai+ CURV. X=1-7. SUM = 1.
	Exth C 77TOKYO	731 977 8.0+1			Sakai+ NDG. X=1-7.
		¹⁷⁵ Lu(³ He,xn+p)isotopic distribution partial σ(E)=factor			
6505	OSA Expt P A-RCNP-76	181 76 4.0+1 1.2+2			Ejiri+ NDG. (K=6,J=6)/(K=0,J=6) IN HF
		¹⁸¹ Ta(³ He,x) ² H σ(E)			
6506	OSA Expt J NP/A 311	173 N78 9.0+1			Matsuoka+ TBL. EST. FROM PEAK OF CONTIN
		¹⁸¹ Ta(³ He,p+d) ¹⁸¹ Ta partial σ(E) _d			
6507	OSA Expt P A-RCNP-77	139 78 9.0+1			Matsuoka+ TBL. BREAKUP CONT.
		¹⁸¹ Ta(³ He,d) ¹⁸² H σ(E)			
6508	OSA Exth P A-RCNP-77	139 378 7.0+1 9.0+1			Matsuoka+ TBL. FROM ANG. DIST. + OM
		¹⁸¹ Ta(³ He,7n) ¹⁷⁷ Re σ(E)			
6509	IKO Expt J NP/A 228	175 74 6.1+1 7.4+1			Hermes+ TBL. CURV.
	Expt J NP/A 168	129 71 NDG			. EXPERIMENTAL METHOD.
	Expt 4 EXFORB0033.012	77 6.1+1 7.4+1			. 5 DATA POINTS.
6510	KFK Comp B PH-DAT 15	2 D79 6.1+1 7.4+1			Muenzel+ TBL. FROM EXFOR.
		¹⁸¹ Ta(³ He,6n) ¹⁷⁸ Re σ(E)			
6511	IKO Expt J NP/A 228	175 74 5.0+1 7.4+1			Hermes+ TBL. CURV.
	Expt J NP/A 168	129 71 NDG			. EXPERIMENTAL METHOD.
	Expt 4 EXFORB0033.011	77 5.0+1 7.4+1			. 11 DATA POINTS.
6512	KFK Comp B PH-DAT 15	2 D79 5.0+1 7.4+1			Muenzel+ TBL. FROM EXFOR.
		¹⁸¹ Ta(³ He,5n) ¹⁷⁸ Re σ(E)			
6513	IKO Expt J NP/A 228	175 74 3.9+1 7.4+1			Hermes+ TBL. CURV.
	Expt J NP/A 168	129 71 NDG			. EXPERIMENTAL METHOD.
	Expt 4 EXFORB0033.010	77 3.9+1 7.4+1			. 9 DATA POINTS.
6514	KFK Comp B PH-DAT 15	2 D79 3.9+1 7.4+1			Muenzel+ TBL. FROM EXFOR.
		¹⁸¹ Ta(³ He,4n) ¹⁸⁰ Re σ(E)			
6515	IKO Expt J NP/A 228	175 74 3.0+1 6.3+1			Hermes+ TBL. CURV.
	Expt J NP/A 168	129 71 NDG			. EXPERIMENTAL METHOD.
	Expt 4 EXFORB0033.009	77 3.0+1 6.3+1			. 7 DATA POINTS.
6516	KFK Comp B PH-DAT 15	2 D79 3.0+1 6.3+1			Muenzel+ TBL. FROM EXFOR.
		¹⁸¹ Ta(³ He,3n) ¹⁸¹ Re σ(E)			
6517	IKO Expt J NP/A 228	175 74 1.8+1 5.4+1			Hermes+ TBL. CURV.
	Expt J NP/A 168	129 71 NDG			. EXPERIMENTAL METHOD.
	Expt 4 EXFORB0033.008	77 1.8+1 5.4+1			. 6 DATA POINTS.
6518	KFK Comp B PH-DAT 15	2 D79 1.8+1 5.4+1			Muenzel+ TBL. FROM EXFOR.

REFERENCES (cont.)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		$^{181}\text{Ta}(^3\text{He}, 3n)^{181}\text{Re}$			$\sigma(E)$	
6519	HEI Expt J NP/A 228	175	74	2.6+1	Hermes+	TBL. CURV.
	Expt J NP/A 168	129	71	NDG		. EXPERIMENTAL METHOD.
	Expt 4 EXFORB0033.008	77	2.6+1			. 1 DATA POINT.
		$^{182}\text{W}(^4\text{He}, 3n)^{182}\text{Os}$			partial $\sigma(E)$ x factor	
6520	OSA Exth C 77TOKYO	728	977	2.4+1 2.6+1	Ejiri+	CURV. P3(8)/P8(0) RATIO
		$^{197}\text{Au}(^3\text{He}, x)^{197}\text{Au}$			$\sigma(E)$	
6521	OSA Expt J NP/A 311	173	N78	9.0+1	Matsuoka+	TBL. EST. FROM PEAK OF CONTIN
		$^{197}\text{Au}(^3\text{He}, 4n+2p)^{197}\text{Au}$			$\sigma(E)$	
6522	JUL Theo P JUEL-SPEZ-1519	678	2.0+1	1.3+2	Alderstein+	CURV. HYBRID-MODEL. CFD. EXP.
	Expt P JUEL-1976	26	76	2.5+1 1.3+2	Alderstein+	CURV. STCKD-FOIL. GAMMA SPE
		$^{197}\text{Au}(^3\text{He}, 2n+2p)^{197}\text{Au}$			$\sigma(E)$	
6523	JUL Expt P JUEL-1976	26	76	2.0+1 1.3+2	Alderstein+	CURV. STCKD-FOIL. GAMMA SPE
		$^{197}\text{Au}(^3\text{He}, p+d)^{197}\text{Au}$			partial $\sigma(E)_d$	
6524	OSA Expt P A-RCNP-77	139	78	9.0+1	Matsuoka+	TBL. BREAKUP CONT.
		$^{197}\text{Au}(^3\text{He}, 2p)^{198}\text{Au}$			$\sigma(E)$	
6525	JUL Theo P JUEL-SPEZ-1519	678	2.0+1	1.3+2	Alderstein+	CURV. HYBRID-MODEL. CFD. EXP.
	Expt P JUEL-1976	26	76	2.0+1 1.3+2	Alderstein+	CURV. STCKD-FOIL. GAMMA SPE
		$^{197}\text{Au}(^3\text{He}, 6n+p)^{193}\text{Hg}$			$\sigma(E)$	
6526	JUL Expt P JUEL-1976	26	76	2.5+1 1.3+2	Alderstein+	CURV. STCKD-FOIL. GAMMA SPE
		$^{197}\text{Au}(^3\text{He}, 4n+p)^{195}\text{Hg}$			$\sigma(E)$	
6527	JUL Theo P JUEL-SPEZ-1519	678	2.0+1	1.3+2	Alderstein+	CURV. HYBRID-MODEL. CFD. EXP.
		$^{197}\text{Au}(^3\text{He}, 4n+p)^{195}\text{Hg}$			$\sigma(E)$	
6528	JUL Expt P JUEL-1976	26	76	2.0+1 1.3+2	Alderstein+	CURV. STCKD-FOIL. GAMMA SPE
		$^{197}\text{Au}(^3\text{He}, 2n+p)^{197}\text{Hg}$			$\sigma(E)$	
6529	JUL Theo P JUEL-SPEZ-1519	678	2.0+1	1.3+2	Alderstein+	CURV. HYBRID-MODEL. CFD. EXP.
		$^{197}\text{Au}(^3\text{He}, 2n+p)^{197}\text{Hg}$			$\sigma(E)$	
6530	JUL Expt P JUEL-1976	26	76	1.8+1 1.3+2	Alderstein+	CURV. STCKD-FOIL. GAMMA SPE
		$^{197}\text{Au}(^3\text{He}, d)^{198}\text{Hg}$			$\sigma(E)$	
6531	OSA Exth P A-RCNP-77	139	378	7.0+1 9.0+1	Matsuoka+	TBL. FROM ANG. DIST. + OM
		$^{197}\text{Au}(^3\text{He}, 10n)^{180}\text{Tl}$			$\sigma(E)$	
6532	JUL Expt P JUEL-1976	26	76	1.0+2 1.3+2	Alderstein+	CURV. STCKD-FOIL. GAMMA SPE
		$^{197}\text{Au}(^3\text{He}, 9n)^{191}\text{Tl}$			$\sigma(E)$	
6533	JUL Expt P JUEL-1976	26	76	9.0+1 1.3+2	Alderstein+	CURV. STCKD-FOIL. GAMMA SPE
		$^{197}\text{Au}(^3\text{He}, 8n)^{192}\text{Tl}$			$\sigma(E)$	
6534	JUL Expt P JUEL-1976	26	76	7.0+1 1.3+2	Alderstein+	CURV. STCKD-FOIL. GAMMA SPE
		$^{197}\text{Au}(^3\text{He}, 7n)^{193}\text{Tl}$			including metastable $\sigma(E)$	
6535	IKO Expt J NP/A 228	175	74	6.5+1 7.5+1	Hermes+	TBL. CURV.
	Expt J NP/A 168	129	71	NDG		. EXPERIMENTAL METHOD.
	Expt 4 EXFORB0033.007	77	6.5+1 7.5+1			. 4 DATA POINTS.
6536	KFK Comp B PH-DAT 15	1	079	6.5+1 7.5+1	Muenzel+	TBL. FROM EXFOR.
		$^{197}\text{Au}(^3\text{He}, 7n)^{193}\text{Tl}$			$\sigma(E)$	
6537	JUL Expt P JUEL-1976	26	76	5.5+1 1.3+2	Alderstein+	CURV. STCKD-FOIL. GAMMA SPE
		$^{197}\text{Au}(^3\text{He}, 6n)^{194}\text{Tl}$			$\sigma(E)$	
6538	JUL Theo P JUEL-SPEZ-1519	678	2.0+1	1.3+2	Alderstein+	CURV. HYBRID-MODEL. CFD. EXP.
	Expt P JUEL-1976	26	76	4.2+1 1.3+2	Alderstein+	CURV. STCKD-FOIL. GAMMA SPE
		$^{197}\text{Au}(^3\text{He}, 6n)^{194}\text{Tl}$			$\sigma(E)$	
6539	IKO Expt J NP/A 228	175	74	5.0+1 7.5+1	Hermes+	TBL. CURV.
	Expt J NP/A 168	129	71	NDG		. EXPERIMENTAL METHOD.
	Expt 4 EXFORB0033.006	77	5.0+1 7.5+1			. 8 DATA POINTS.
6540	KFK Comp B PH-DAT 15	1	079	5.0+1 7.5+1	Muenzel+	TBL. FROM EXFOR.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{197}\text{Au}(^3\text{He},5n)^{195}\text{Tl}$ including metastable $\sigma(E)$						
6541	IKO Expt J NP/A 228	175	74	3.7+1	7.5+1	Hermes+ TBL. CURV.
	Expt J NP/A 168	129	71	NDG		. EXPERIMENTAL METHOD.
	Expt 4 EXFORB0033.005	77	3.7+1	7.5+1		. 11 DATA POINTS.
6542	KFK Comp B PH-DAT 15	1	079	3.7+1	7.5+1	Muenzel+ TBL. FROM EXFOR.
$^{197}\text{Au}(^3\text{He},5n)^{195}\text{Tl}$ $\sigma(E)$						
6543	JUL Expt P JUEL-1976	26	76	3.2+1	1.0+2	Alderstein+ CURV. STCKD-FOIL. GAMMA SPE
$^{197}\text{Au}(^3\text{He},4n)^{196}\text{Tl}$ $\sigma(E)$						
6544	JUL Theo P JUEL-SPEZ-1519	678	2.0+1	1.3+2	Alderstein+CURV.	HYBRID-MODEL.CFD. EXP.
	Expt P JUEL-1976	26	76	1.8+1	1.3+2	Alderstein+ CURV. STCKD-FOIL. GAMMA SPE
$^{197}\text{Au}(^3\text{He},4n)^{196}\text{Tl}$ $\sigma(E)$						
6545	IKO Expt J NP/A 228	175	74	2.5+1	5.0+1	Hermes+ TBL. CURV.
	Expt J NP/A 168	129	71	NDG		. EXPERIMENTAL METHOD.
	Expt 4 EXFORB0033.004	77	2.5+1	5.0+1		. 6 DATA POINTS.
6546	KFK Comp B PH-DAT 15	1	079	2.5+1	7.2+1	Muenzel+ TBL. FROM EXFOR.
$^{197}\text{Au}(^3\text{He},4n)^{196}\text{Tl}$ $\sigma(E)$						
6547	IKO Expt J NP/A 228	175	74	2.5+1	5.0+1	Hermes+ TBL. CURV.
	Expt J NP/A 168	129	71	NDG		. EXPERIMENTAL METHOD.
	Expt 4 EXFORB0033.004	77	2.5+1	5.0+1		. 6 DATA POINTS.
6548	KFK Comp B PH-DAT 15	1	079	2.5+1	7.2+1	Muenzel+ TBL. FROM EXFOR.
$^{197}\text{Au}(^3\text{He},4n)^{196}\text{Tl}$ summation $\sigma(E)$						
6549	IKO Expt J NP/A 228	175	74	2.5+1	7.2+1	Hermes+ TBL. CURV.
	Expt 4 EXFORB0033.004	77	2.5+1	7.2+1		. 12 DATA POINTS.
6550	KFK Comp B PH-DAT 15	1	079	2.5+1	7.2+1	Muenzel+ TBL. FROM EXFOR.
$^{197}\text{Au}(^3\text{He},3n)^{197}\text{Tl}$ $\sigma(E)$						
6551	JUL Expt P JUEL-1976	26	76	1.6+1	6.0+1	Alderstein+ CURV. STCKD-FOIL. GAMMA SPE
6552	IKO Expt J NP/A 228	175	74	2.2+1	5.2+1	Hermes+ TBL. CURV.
	Expt J NP/A 168	129	71	NDG		. EXPERIMENTAL METHOD.
	Expt 4 EXFORB0033.003	77	2.2+1	5.2+1		. 9 DATA POINTS.
6553	KFK Comp B PH-DAT 15	1	079	2.2+1	5.2+1	Muenzel+ TBL. FROM EXFOR.
$^{197}\text{Au}(^3\text{He},3n)^{197}\text{Tl}$ relative I_γ						
6554	UJV Expt J NP/A 280	125	477	2.4+1	2.8+1	Spalek+ TBL.
$^{197}\text{Au}(^3\text{He},2n)^{198}\text{Tl}$ $\sigma(E)$						
6555	JUL Expt P JUEL-1976	26	76	1.5+1	5.5+1	Alderstein+ CURV. STCKD-FOIL. GAMMA SPE
$^{197}\text{Au}(^3\text{He},2n)^{198}\text{Tl}$ $\sigma(E)$						
6556	HEI Expt J NP/A 228	175	74	1.4+1	2.6+1	Hermes+ TBL. CURV.
	Expt T JASPER		74	1.4+1	2.6+1	. MORE DETAILS. ADDITIONAL DATA.
	Expt J NP/A 168	129	71	NDG		. EXPERIMENTAL METHOD.
	Expt 4 EXFORB0033.002	77	1.4+1	2.6+1		. 7 DATA POINTS.
6557	KFK Comp B PH-DAT 15	1	079	1.4+1	3.1+1	Muenzel+ TBL. FROM EXFOR.
6558	IKO Expt J NP/A 228	175	74	2.2+1	3.1+1	Hermes+ TBL. CURV.
	Expt T JASPER		74	2.2+1	3.1+1	. MORE DETAILS. ADDITIONAL DATA.
	Expt J NP/A 168	129	71	NDG		. EXPERIMENTAL METHOD.
	Expt 4 EXFORB0033.002	77	2.2+1	3.1+1		. 6 DATA POINTS.
$^{197}\text{Au}(^3\text{He},2n)^{198}\text{Tl}$ $\sigma(E)$						
6559	HEI Expt J NP/A 228	175	74	1.4+1	2.6+1	Hermes+ TBL. CURV.
	Expt T JASPER		74	1.4+1	2.6+1	. MORE DETAILS. ADDITIONAL DATA.
	Expt J NP/A 168	129	71	NDG		. EXPERIMENTAL METHOD.
	Expt 4 EXFORB0033.002	77	1.4+1	2.6+1		. 7 DATA POINTS.
6560	KFK Comp B PH-DAT 15	1	079	1.4+1	3.1+1	Muenzel+ TBL. FROM EXFOR.
6561	IKO Expt J NP/A 228	175	74	2.2+1	3.1+1	Hermes+ TBL. CURV.
	Expt T JASPER		74	2.2+1	3.1+1	. MORE DETAILS. ADDITIONAL DATA.
	Expt J NP/A 168	129	71	NDG		. EXPERIMENTAL METHOD.
	Expt 4 EXFORB0033.002	77	2.2+1	3.1+1		. 6 DATA POINTS.
$^{197}\text{Au}(^3\text{He},2n)^{198}\text{Tl}$ summation $\sigma(E)$						
6562	HEI Expt J NP/A 228	175	74	1.4+1	2.6+1	Hermes+ TBL. CURV.
	Expt T JASPER		74	1.4+1	2.6+1	. MORE DETAILS.
	Expt 4 EXFORB0033.002	77	1.4+1	2.6+1		. 7 DATA POINTS.
6563	KFK Comp B PH-DAT 15	1	079	1.4+1	4.2+1	Muenzel+ TBL. FROM EXFOR.
6564	IKO Expt J NP/A 228	175	74	2.2+1	4.2+1	Hermes+ TBL. CURV.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
197Au(³ He,2n) ^{198m+g} Tl	summation $\sigma(E)$			
6564 IKO Expt T JASPER	74 2.2+1	4.2+1		MORE DETAILS.
Expt 4 EXFORB0033.002	77 2.2+1	4.2+1		6 DATA POINTS.
Pb(³ He,x) ²⁰⁷ Po	product yield			
6565 TEH Expt P INDC(SEC)-50	176 NDG			Parsa+ NDG. P. 231
²⁰⁶ Pb(³ He,x)	partial $\sigma(E)$			
6566 PAR Expt J JPR	37 5 176 8.5+1	2.1+2		Andre+ CURV. SUM OF XN,XN+P, AND FISS.
Expt J JPR	37 5 176 8.5+1	2.1+2		Andre+ CURV. EVAP. RES. FRM XN + XN+P
²⁰⁶ Pb(³ He,fission)	$\sigma(E)$			
6567 PAR Expt J JPR	37 5 176 1.0+2	2.1+2		Andre+ CURV. FROM ANG. DIS. OF FF.
²⁰⁶ Pb(³ He,x)isotopic distribution	$\sigma(E)$			
6568 PAR Expt J JPR	37 5 176 8.5+1	1.7+2		Andre+ TBL. ACTIV. P0199-206,B1203,5,6
²⁰⁶ Pb(³ He,xn)isotopic distribution	$\sigma(E)$			
6569 PAR Expt J JPR	37 5 176 8.5+1	2.1+2		Andre+ TBL. CURV. HE-JET. X=11-14.
²⁰⁸ Pb(³ He,d) ²⁰⁹ Bi	partial $\sigma(E)$ x factor			
6570 BRK Exth J PR/C	18 180 778 5.1+1			Pieper+ TBL. RATIO FROM TWO POTENTIALS
²⁰⁹ Bi(³ He,x) ²¹⁰ H	$\sigma(E)$			
6571 OSA Expt J NP/A 311	173 N78 7.0+1	9.0+1		Matsuoka+ TBL. EST. FROM PEAK OF CONTIN
²⁰⁹ Bi(³ He,p+d) ²⁰⁹ Bi	partial $\sigma(E)$			
6572 OSA Expt P A-RCNP-77	139 78 7.0+1	9.0+1		Matsuoka+ TBL. BREAKUP CONT.
²⁰⁹ Bi(³ He,d) ²¹⁰ Po	$\sigma(E)$			
6573 OSA Exth P A-RCNP-77	139 378 7.0+1	9.0+1		Matsuoka+ TBL. FROM ANG. DIST. + OM
²⁰⁹ Bi(³ He,3n) ²⁰⁸ At	partial product yield			
6574 JYV Expt P A-JYV-77	81 77 1.9+1	2.2+1		Rahkonen. NDG. GAMMAS.
²²⁶ Ra(³ He,d+fission)	$\sigma(E)$ x factor			
6575 TUE Revv J ZP/A 278	15 76 7.0+0	1.4+1		Gonnenwein+ CURV OF FISSION PROBABILITY
²²⁶ Ra(³ He,d+fission)mass distribution	fission yield			
6576 PAR Theo J JPRL	40 318 779 2.4+1			Da-Silveira. CURV. CATASTROPHY CFD EXPT
²²⁶ Ra(³ He,d+fission)mass distribution	$\sigma(E)$			
6577 GER Revv C 75MRYLND	565 75 NDG			Mesel. CURV. ALSO PEAK TO VALLEY RATIOS
²²⁹ Th(³ He,d+fission)	$\sigma(E)$ x factor			
6578 LAS Expt J NSE	72 222 N79 TR			+1 Brill+ NDG. FISS PROB. DRVD. (N,F) SIGM
²³⁰ Th(³ He,d+fission)	$\sigma(E)$ x factor			
6579 LAS Expt J NSE	72 222 N79 TR			+1 Brill+ NDG. FISS PROB. DRVD. (N,F) SIGM
Expt P ERDA-NDC-3	95 576 TR			1.2+1 Brill+ CURV. G(F)/G(N).
²³⁰ Th(³ He,t+fission)	$\sigma(E)$ x factor			
6580 LAS Expt J NSE	72 222 N79 TR			+1 Brill+ NDG. FISS PROB. DRVD. (N,F) SIGM
Expt P ERDA-NDC-3	95 576 TR			1.2+1 Brill+ CURV. G(F)/G(N).
²³² Th(³ He,d+fission)	$\sigma(E)$ x factor			
6581 LAS Expt J PR/C	13 2374 676 TR			1.2+1 Gavron+ CURV. FISSION PROBABILITIES.
Expt J NSE	72 222 N79 TR			+1 Brill+ NDG. FISS PROB. DRVD. (N,F) SIGM
Expt P ERDA-NDC-3	95 576 TR			1.2+1 Brill+ CURV. G(F)/G(N).
Expt J PRL	34 827 375 TR			1.2+1 Gavron+ CURV. G(F)/G(N)
²³² Th(³ He,t+fission)	$\sigma(E)$ x factor			
6582 LAS Expt J PR/C	13 2374 676 TR			1.2+1 Gavron+ CURV. FISSION PROBABILITIES.
Expt J NSE	72 222 N79 TR			+1 Brill+ NDG. FISS PROB. DRVD. (N,F) SIGM
Expt P ERDA-NDC-3	95 576 TR			1.2+1 Brill+ CURV. G(F)/G(N).
Expt J PRL	34 827 375 TR			1.2+1 Gavron+ CURV. G(F)/G(N)
²³² Th(³ He,fission) ¹⁴⁸ Po	$\sigma(E)$ x factor			
6583 MUN Exth J PR/C	16 254 777 2.6+1	4.1+1		Aumann+ TBL. DEDUCED NEUTRON EMIS. RATI

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{232}\text{Th}(^3\text{He}, \text{fission})^{148}\text{m}/^{94}\text{Pm}$ ratio $\sigma(E)$					
6584	MUN Exth J	PR/C 16	254	777 2.6+1	4.1+1 Aumann+ TBL. EXPERIMENTAL.
$^{231}\text{Pa}(^3\text{He}, \text{d}+\text{fission})$ $\sigma(E)$ factor					
6585	LAS Expt J	PR/C 13	2374	676 TR	1.2+1 Gavron+ CURV. FISSION PROBABILITIES.
	Expt J	NSE 72	222	N79 TR	+1 Brill+ NDG. FISSION PROB. DRVD. (N,F) SIGM
	Expt P	ERDA-NDC-3	95	576 TR	1.2+1 Brill+ CURV. G(F)/G(N).
$^{231}\text{Pa}(^3\text{He}, \text{t}+\text{fission})$ $\sigma(E)$ factor					
6586	LAS Expt J	PR/C 13	2374	676 TR	1.2+1 Gavron+ CURV. FISSION PROBABILITIES.
	Expt J	NSE 72	222	N79 TR	+1 Brill+ NDG. FISSION PROB. DRVD. (N,F) SIGM
	Expt P	ERDA-NDC-3	95	576 TR	1.2+1 Brill+ CURV. G(F)/G(N).
	Expt J	PRL 34	827	375 TR	1.2+1 Gavron+ CURV. G(F)/G(N)
$^{233}\text{U}(^3\text{He}, \text{d}+\text{fission})$ $\sigma(E)$ factor					
6587	LAS Expt J	PR/C 13	2374	676 TR	1.2+1 Gavron+ CURV. FISSION PROBABILITIES.
	Expt J	NSE 72	222	N79 TR	+1 Brill+ NDG. FISSION PROB. DRVD. (N,F) SIGM
	Expt P	ERDA-NDC-3	95	576 TR	1.2+1 Brill+ CURV. G(F)/G(N).
$^{233}\text{U}(^3\text{He}, \text{t}+\text{fission})$ $\sigma(E)$ factor					
6588	LAS Expt J	PR/C 13	2374	676 TR	1.2+1 Gavron+ CURV. FISSION PROBABILITIES.
	Expt J	NSE 72	222	N79 TR	+1 Brill+ NDG. FISSION PROB. DRVD. (N,F) SIGM
	Expt P	ERDA-NDC-3	95	576 TR	1.2+1 Brill+ CURV. G(F)/G(N).
$^{234}\text{U}(^3\text{He}, \text{d}+\text{fission})$ $\sigma(E)$ factor					
6589	LAS Expt J	NSE 72	222	N79 TR	+1 Brill+ NDG. FISSION PROB. DRVD. (N,F) SIGM
	Expt P	ERDA-NDC-3	95	576 TR	1.2+1 Brill+ CURV. G(F)/G(N).
$^{234}\text{U}(^3\text{He}, \text{t}+\text{fission})$ $\sigma(E)$ factor					
6590	LAS Expt J	NSE 72	222	N79 TR	+1 Brill+ NDG. FISSION PROB. DRVD. (N,F) SIGM
	Expt P	ERDA-NDC-3	95	576 TR	1.2+1 Brill+ CURV. G(F)/G(N).
$^{234}\text{U}(^3\text{He}, 3\text{n})^{234}\text{Pu}$ $\sigma(E)$					
6591	BRK Expt P	LBL-B151	39	678 2.2+1	2.9+1 Somerville+ CURV. SF RECOILS.
$^{234}\text{U}(^3\text{He}, 2\text{n})^{235}\text{Pu}$ $\sigma(E)$					
6592	BRK Expt P	LBL-B151	39	678 2.2+1	2.9+1 Somerville+ CURV. T1/2=10-27NS. SF REC.
$^{235}\text{U}(^3\text{He}, \text{d}+\text{fission})$ $\sigma(E)$ factor					
6593	LAS Expt J	PR/C 13	2374	676 TR	1.2+1 Gavron+ CURV. FISSION PROBABILITIES.
	Expt J	NSE 72	222	N79 TR	+1 Brill+ NDG. FISSION PROB. DRVD. (N,F) SIGM
	Expt P	ERDA-NDC-3	95	576 TR	1.2+1 Brill+ CURV. G(F)/G(N).
	Expt J	PRL 34	827	375 TR	1.2+1 Gavron+ CURV. G(F)/G(N)
6594	STB Expt A	DA/B 36	5657	76 +0	Goldstone. NDG.
$^{235}\text{U}(^3\text{He}, \text{t}+\text{fission})$ $\sigma(E)$ factor					
6595	LAS Expt J	PR/C 13	2374	676 TR	1.2+1 Gavron+ CURV. FISSION PROBABILITIES.
	Expt J	NSE 72	222	N79 TR	+1 Brill+ NDG. FISSION PROB. DRVD. (N,F) SIGM
	Expt P	ERDA-NDC-3	95	576 TR	1.2+1 Brill+ CURV. G(F)/G(N).
$^{236}\text{U}(^3\text{He}, \text{d}+\text{fission})$ $\sigma(E)$ factor					
6596	LAS Expt J	PR/C 13	2374	676 TR	1.2+1 Gavron+ CURV. FISSION PROBABILITIES.
	Expt J	NSE 72	222	N79 TR	+1 Brill+ NDG. FISSION PROB. DRVD. (N,F) SIGM
	Expt P	ERDA-NDC-3	95	576 TR	1.2+1 Brill+ CURV. G(F)/G(N).
	Expt J	PRL 34	827	375 TR	1.2+1 Gavron+ CURV. G(F)/G(N)
$^{236}\text{U}(^3\text{He}, \text{t}+\text{fission})$ $\sigma(E)$ factor					
6597	LAS Expt J	PR/C 13	2374	676 TR	1.2+1 Gavron+ CURV. FISSION PROBABILITIES.
	Expt J	NSE 72	222	N79 TR	+1 Brill+ NDG. FISSION PROB. DRVD. (N,F) SIGM
	Expt P	ERDA-NDC-3	95	576 TR	1.2+1 Brill+ CURV. G(F)/G(N).
$^{238}\text{U}(^3\text{He}, \text{fission})$ $\sigma(E)$					
6598	BIR Expt J	NIM 147	279	77 2.5+1	3.0+1 Mubarakmand+ CURV. GLASS SS TRACK DET.
$^{238}\text{U}(^3\text{He}, \text{d}+\text{fission})$ $\sigma(E)$ factor					
6599	LAS Expt J	PR/C 13	2374	676 TR	1.2+1 Gavron+ CURV. FISSION PROBABILITIES.
	Expt J	NSE 72	222	N79 TR	+1 Brill+ NDG. FISSION PROB. DRVD. (N,F) SIGM
	Expt P	ERDA-NDC-3	95	576 TR	1.2+1 Brill+ CURV. G(F)/G(N).
$^{238}\text{U}(^3\text{He}, \text{t}+\text{fission})$ compound-nucleus $\sigma(E)$					
6600	HAR Revw S	IAEA-186-3	201	N75 5.0-1	8.0+0 Lynn. CURV. E ARE EQUIVALENT NEUTRON E.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{238}\text{U}(^3\text{He}, \text{fission})$ $\sigma(\text{E}) \times \text{factor}$					
6601	LAS Expt J PR/C	13 2374 676 TR			1.2+1 Gavron+ CURV. FISSION PROBABILITIES.
	Expt J NSE	72 222 N79 TR			+1 Brill+ NDG. FISSION PROB. DRVD. (N,F) SIGM
	Expt P ERDA-NDC-3	95 576 TR			1.2+1 Brill+ CURV. G(F)/G(N).
$^{238}\text{U}(^3\text{He}, \text{fission})^{103}\text{Ru}$ cumulative? thick target yield					
6602	JAE Expt J ARI	27 713 076 3.8+1			Hata+ 30.5-G TRGT. 1.7E-3CI/80A-H.
$^{238}\text{U}(^3\text{He}, \text{x})^{238}\text{Np}$ thick target yield $\times \text{factor}$					
6603	JAE Expt J ARI	27 713 076 3.8+1			Hata+ 30.5-G TRGT. 6.5CI/80A-H.
$^{238}\text{U}(^3\text{He}, 2\text{n+p})^{238}\text{Np}$ relative $\sigma(\text{E})$					
6604	BIR Expt J NP	84 411 66 2.0+1 2.9+1			Qaim. CURV. RADIOCHEM. REL. TO NP240-G.
$^{238}\text{U}(^3\text{He}, \text{x})^{238}\text{Np}$ thick target yield $\times \text{factor}$					
6605	JAE Expt J ARI	27 713 076 3.8+1			Hata+ 30.5-G TRGT. 3.5CI/80A-H.
$^{238}\text{U}(^3\text{He}, \text{n+p})^{238}\text{Np}$ relative $\sigma(\text{E})$					
6606	BIR Expt J NP	84 411 66 1.5+1 2.9+1			Qaim. CURV. RADIOCHEM. REL. TO NP240-G.
$^{238}\text{U}(^3\text{He}, \text{p})^{240}\text{Np}$ relative $\sigma(\text{E})$					
6607	BIR Expt J NP	84 411 66 1.5+1 2.9+1			Qaim. CURV. RADIOCHEM. TO NP238+NP239
$^{238}\text{U}(^3\text{He}, \text{p})^{240}\text{Np}$ ratio $\sigma(\text{E})$					
6608	BIR Expt J NP	84 411 66 1.5+1 2.9+1			Qaim. CURV. RADIOCHEM.
$^{238}\text{U}(^3\text{He}, 5\text{n})^{238}\text{Pu}$ cumulative? thick target yield $\times \text{factor}$					
6609	JAE Expt J ARI	27 713 076 3.8+1			Hata+ 30.5-G TRGT. 0.02CI/80A-H.
$^{238}\text{U}(^3\text{He}, 4\text{n})^{237}\text{Pu}$ cumulative? thick target yield $\times \text{factor}$					
6610	JAE Expt J ARI	27 713 076 3.8+1			Hata+ 30.5-G TRGT. 1.7CI/100A-H.
$^{238}\text{U}(^3\text{He}, 3\text{n})^{238}\text{Pu}$ thick target yield $\times \text{factor}$					
6611	JAE Expt J ARI	27 713 076 3.8+1			Hata+ 30.5-G TRGT. 0.02CI/80A-H.
$^{238}\text{U}(^3\text{He}, \text{fission})$ mass distribution cumulative fission yield					
6612	CCP Revv R YK-18	3 75 3.1+1			Lbov+ TBL. A=24-212.
	Revv R INDC(CCP)-70	2 176 NDG			.TRANSLATION OF ABSTRACT OF YK-18,3(75)
$^{238}\text{U}(^3\text{He}, \text{fission})$ isotopic distribution cumulative fission yield					
6613	CCP Revv R YK-18	3 75 2.5+1			3.1+1 Lbov+ TBL. A=24-212. Z=11-82.
	Revv R INDC(CCP)-70	2 176 NDG			.TRANSLATION OF ABSTRACT OF YK-18,3(75)
$^{237}\text{Np}(^3\text{He}, \text{d+fission})$ $\sigma(\text{E}) \times \text{factor}$					
6614	LAS Expt J PR/C	13 2374 676 TR			1.2+1 Gavron+ CURV. FISSION PROBABILITIES.
	Expt P ERDA-NDC-3	95 576 TR			1.2+1 Brill+ CURV. G(F)/G(N).
	Expt J PRL	34 827 375 TR			1.2+1 Gavron+ CURV. G(F)/G(N)
$^{237}\text{Np}(^3\text{He}, \text{t+fission})$ $\sigma(\text{E}) \times \text{factor}$					
6615	LAS Expt J PR/C	13 2374 676 TR			1.2+1 Gavron+ CURV. FISSION PROBABILITIES.
	Expt J NSE	72 222 N79 TR			+1 Brill+ NDG. FISSION PROB. DRVD. (N,F) SIGM
	Expt P ERDA-NDC-3	95 576 TR			1.2+1 Brill+ CURV. G(F)/G(N).
	Expt J PRL	34 827 375 TR			1.2+1 Gavron+ CURV. G(F)/G(N)
$^{239}\text{Pu}(^3\text{He}, \text{d+fission})$ $\sigma(\text{E}) \times \text{factor}$					
6616	LAS Expt J PR/C	13 2374 676 TR			1.2+1 Gavron+ CURV. FISSION PROBABILITIES.
	Expt J NSE	72 222 N79 TR			+1 Brill+ NDG. FISSION PROB. DRVD. (N,F) SIGM
	Expt P ERDA-NDC-3	95 576 TR			1.2+1 Brill+ CURV. G(F)/G(N).
$^{239}\text{Pu}(^3\text{He}, \text{t+fission})$ $\sigma(\text{E}) \times \text{factor}$					
6617	LAS Expt J PR/C	13 2374 676 TR			1.2+1 Gavron+ CURV. FISSION PROBABILITIES.
	Expt J NSE	72 222 N79 TR			+1 Brill+ NDG. FISSION PROB. DRVD. (N,F) SIGM
	Expt P ERDA-NDC-3	95 576 TR			1.2+1 Brill+ CURV. G(F)/G(N).
	Expt J PRL	34 827 375 TR			1.2+1 Gavron+ CURV. G(F)/G(N)
$^{240}\text{Pu}(^3\text{He}, \text{d+fission})$ $\sigma(\text{E}) \times \text{factor}$					
6618	LAS Expt J PR/C	13 2374 676 TR			1.2+1 Gavron+ CURV. FISSION PROBABILITIES.
	Expt J NSE	72 222 N79 TR			+1 Brill+ NDG. FISSION PROB. DRVD. (N,F) SIGM
	Expt P ERDA-NDC-3	95 576 TR			1.2+1 Brill+ CURV. G(F)/G(N).
	Expt J PRL	34 827 375 TR			1.2+1 Gavron+ CURV. G(F)/G(N)

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		Type					
			$^{240}\text{Pu}(^3\text{He}, t + \text{fission})$	$\sigma(E) \times \text{factor}$			
6619	LAS	Expt J	PR/C 13	2374	676 TR	1.2+1 Gavron+	CURV. FISSION PROBABILITIES.
		Expt J	NSE 72	222	N79 TR	+1 Britt+	NDG. FISSION PROB. DRVD. (N,F) SIGM
		Expt P	ERDA-NDC-3	95	576 TR	1.2+1 Britt+	CURV. G(F)/G(N).
		Expt J	PRL 34	827	375 TR	1.2+1 Gavron+	CURV. G(F)/G(N)
			$^{241}\text{Pu}(^3\text{He}, t + \text{fission})$	mass distribution		partial raw $\sigma(E)$	
6620	ANL	Expt J	PR/C 20	1819	N79 3.4+1	Back+	CURV. M=120-158. E = 5-13 MEV
			$^{242}\text{Pu}(^3\text{He}, d + \text{fission})$	$\sigma(E) \times \text{factor}$			
6621	LAS	Expt J	PR/C 13	2374	676 TR	1.2+1 Gavron+	CURV. FISSION PROBABILITIES.
		Expt J	NSE 72	222	N79 TR	+1 Britt+	NDG. FISSION PROB. DRVD. (N,F) SIGM
		Expt P	ERDA-NDC-3	95	576 TR	1.2+1 Britt+	CURV. G(F)/G(N).
			$^{242}\text{Pu}(^3\text{He}, t + \text{fission})$	$\sigma(E) \times \text{factor}$			
6622	LAS	Expt J	PR/C 13	2374	676 TR	1.2+1 Gavron+	CURV. FISSION PROBABILITIES.
		Expt J	NSE 72	222	N79 TR	+1 Britt+	NDG. FISSION PROB. DRVD. (N,F) SIGM
		Expt P	ERDA-NDC-3	95	576 TR	1.2+1 Britt+	CURV. G(F)/G(N).
			$^{244}\text{Pu}(^3\text{He}, d + \text{fission})$	$\sigma(E) \times \text{factor}$			
6623	LAS	Expt J	PR/C 15	2238	677 4.0+0	1.0+1 Gavron+	CURV. FISSION PROBABILITIES.
		Expt J	NSE 72	222	N79 TR	+1 Britt+	NDG. FISSION PROB. DRVD. (N,F) SIGM
			$^{244}\text{Pu}(^3\text{He}, t + \text{fission})$	$\sigma(E) \times \text{factor}$			
6624	LAS	Expt J	NSE 72	222	N79 TR	+1 Britt+	NDG. FISSION PROB. DRVD. (N,F) SIGM
			$^{241}\text{Am}(^3\text{He}, d + \text{fission})$	$\sigma(E) \times \text{factor}$			
6625	LAS	Expt J	PR/C 13	2374	676 TR	1.2+1 Gavron+	CURV. FISSION PROBABILITIES.
		Expt J	NSE 72	222	N79 TR	+1 Britt+	NDG. FISSION PROB. DRVD. (N,F) SIGM
		Expt P	ERDA-NDC-3	95	576 TR	1.2+1 Britt+	CURV. G(F)/G(N).
		Expt J	PRL 34	827	375 TR	1.2+1 Gavron+	CURV. G(F)/G(N)
			$^{241}\text{Am}(^3\text{He}, t + \text{fission})$	$\sigma(E) \times \text{factor}$			
6626	LAS	Expt J	PR/C 13	2374	676 TR	1.2+1 Gavron+	CURV. FISSION PROBABILITIES.
		Expt J	NSE 72	222	N79 TR	+1 Britt+	NDG. FISSION PROB. DRVD. (N,F) SIGM
		Expt P	ERDA-NDC-3	95	576 TR	1.2+1 Britt+	CURV. G(F)/G(N).
		Expt J	PRL 34	827	375 TR	1.2+1 Gavron+	CURV. G(F)/G(N)
			$^{243}\text{Am}(^3\text{He}, d + \text{fission})$	$\sigma(E) \times \text{factor}$			
6627	LAS	Expt J	PR/C 13	2374	676 TR	1.2+1 Gavron+	CURV. FISSION PROBABILITIES.
		Expt J	NSE 72	222	N79 TR	+1 Britt+	NDG. FISSION PROB. DRVD. (N,F) SIGM
		Expt P	ERDA-NDC-3	95	576 TR	1.2+1 Britt+	CURV. G(F)/G(N).
			$^{243}\text{Am}(^3\text{He}, t + \text{fission})$	$\sigma(E) \times \text{factor}$			
6628	LAS	Expt J	PR/C 13	2374	676 TR	1.2+1 Gavron+	CURV. FISSION PROBABILITIES.
		Expt J	NSE 72	222	N79 TR	+1 Britt+	NDG. FISSION PROB. DRVD. (N,F) SIGM
			$^{244}\text{Cm}(^3\text{He}, t + \text{fission})$	$\sigma(E) \times \text{factor}$			
6629	LAS	Expt J	PR/C 15	2238	677 3.6+0	9.7+0 Gavron+	CURV. FISSION PROBABILITIES.
			$^{248}\text{Cm}(^3\text{He}, d + \text{fission})$	$\sigma(E) \times \text{factor}$			
6630	LAS	Expt J	PR/C 15	2238	677 4.0+0	1.0+1 Gavron+	CURV. FISSION PROBABILITIES.
		Expt J	NSE 72	222	N79 TR	+1 Britt+	NDG. FISSION PROB. DRVD. (N,F) SIGM
			$^{245}\text{Cm}(^3\text{He}, t + \text{fission})$	$\sigma(E) \times \text{factor}$			
6631	LAS	Expt J	NSE 72	222	N79 TR	+1 Britt+	NDG. FISSION PROB. DRVD. (N,F) SIGM
		Expt J	PR/C 15	2238	677 7.7+0	1.3+1 Gavron+	CURV. FISSION PROBABILITIES.
			$^{246}\text{Cm}(^3\text{He}, d + \text{fission})$	$\sigma(E) \times \text{factor}$			
6632	LAS	Expt J	PR/C 15	2238	677 4.0+0	1.0+1 Gavron+	CURV. FISSION PROBABILITIES.
		Expt J	NSE 72	222	N79 TR	+1 Britt+	NDG. FISSION PROB. DRVD. (N,F) SIGM
			$^{246}\text{Cm}(^3\text{He}, t + \text{fission})$	$\sigma(E) \times \text{factor}$			
6633	LAS	Expt J	PR/C 15	2238	677 7.0+0	1.2+1 Gavron+	CURV. FISSION PROBABILITIES.
		Expt J	NSE 72	222	N79 TR	+1 Britt+	NDG. FISSION PROB. DRVD. (N,F) SIGM
			$^{248}\text{Cm}(^3\text{He}, d + \text{fission})$	$\sigma(E) \times \text{factor}$			
6634	LAS	Expt J	PR/C 15	2238	677 4.0+0	1.0+1 Gavron+	CURV. FISSION PROBABILITIES.
			$^{248}\text{Cm}(^3\text{He}, t + \text{fission})$	$\sigma(E) \times \text{factor}$			
6635	LAS	Expt J	PR/C 15	2238	677 6.2+0	1.1+1 Gavron+	CURV. FISSION PROBABILITIES.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{248}\text{Cm}(^3\text{He}, t + \text{fission})$	$\sigma(E) \times \text{factor}$		
6635	LAS Expl J NSE	72	222	N79 TR	+1 Britt+ NDG. FISSION PROB. DRVD. (N,F) SIGM
		$^{249}\text{Cf}(^3\text{He}, d + \text{fission})$	$\sigma(E) \times \text{factor}$		
6636	LAS Expl J PR/C	15	2238	677 4.0+0 1.0+1	Gavron+ CURV. FISSION PROBABILITIES.
	Expl J NSE	72	222	N79 TR	+1 Britt+ NDG. FISSION PROB. DRVD. (N,F) SIGM
		$^{249}\text{Cf}(^3\text{He}, t + \text{fission})$	$\sigma(E) \times \text{factor}$		
6637	LAS Expl J PR/C	15	2238	677 7.5+0 1.4+1	Gavron+ CURV. FISSION PROBABILITIES.
	Expl J NSE	72	222	N79 TR	+1 Britt+ NDG. FISSION PROB. DRVD. (N,F) SIGM
		$^{250}\text{Cf}(^3\text{He}, d + \text{fission})$	$\sigma(E) \times \text{factor}$		
6638	LAS Expl J PR/C	15	2238	677 4.0+0 1.0+1	Gavron+ CURV. FISSION PROBABILITIES.
		$^{250}\text{Cf}(^3\text{He}, t + \text{fission})$	$\sigma(E) \times \text{factor}$		
6639	LAS Expl J PR/C	15	2238	677 8.0+0 1.2+1	Gavron+ CURV. FISSION PROBABILITIES.
		$^{251}\text{Cf}(^3\text{He}, t + \text{fission})$	$\sigma(E) \times \text{factor}$		
6640	LAS Expl J NSE	72	222	N79 TR	+1 Britt+ NDG. FISSION PROB. DRVD. (N,F) SIGM
		$^{254}\text{Es}(^3\text{He}, d + \text{fission})$	relative $\sigma(E) \times \text{factor}$		
6641	LAS Expl J PR/C	21	761	280 TR	+1 Britt+ CURV. REL. FISSION PROB.
		systematics($^3\text{He}, \text{absorption}$)	$\sigma(E)$		
6642	IJI Rev J FCY	6	827	75 2.9+1	Nemets+ CURV. DEPENDENCE ON A**(2/3).
	Rev J SJPN	6	325	76 2.9+1	. TRANSLATION OF FCY 6,(4),827(1975).
		systematics($^3\text{He}, \text{total}$)	$\sigma(E)$		
6643	IJI Rev J FCY	6	827	75 2.9+1	Nemets+ CURV. DEPENDENCE ON A FOR NI.
	Rev J FCY	6	827	75 2.9+1 2.9+1	Nemets+ TBL. Z=12-47. FROM PL/B 26,213
	Rev J SJPN	6	325	76 2.9+1 2.9+1	. TRANSLATION OF FCY 6,(4),827(1975).
		systematics($^3\text{He}, 2n$)	$\sigma(E)$		
6644	KFK Rev J RCA	25	53	78 NDG	Misaellides+ SYSTEMATICS OF MAXIMUM SIGM
6645	KFK Comp B PH-DAT	15	2	D79 +0	+1 Muenzel+ TBL. FROM EXFOR.
		systematics($^3\text{He}, 3n$)	$\sigma(E)$		
6646	KFK Comp B PH-DAT	15	2	D79 +0	+1 Muenzel+ TBL. FROM EXFOR.
		systematics($^3\text{He}, 2n+p$)	$\sigma(E)$		
6647	BUC Rev J APH	2	133	77 2.6+1 3.0+1	Poenaru+ TBL. HVY EL. FISSION. ISO. PRD.
		systematics($^3\text{He}, p$)	$\sigma(E)$		
6648	BUC Rev J APH	2	133	77 3.0+1	Poenaru+ TBL. HVY EL. FISSION. ISO. PRD.
		systematics($^3\text{He}, d + \text{fission}$)	$\sigma(E) \times \text{factor}$		
6649	LAS Expl J PR/C	15	2238	677 4.0+0 1.0+1	Gavron+ CURV. FISSION PROB. 7 ACTINIDES.
	Expl J NSE	72	222	N79 TR	+1 Britt+ NDG. FISSION PROB. DRVD. (N,F) SIGM
	Expl P ERDA-NDC-3	95	576	TR 1.2+1	Britt+ CURV. 24 ACTINIDES. G(F)/G(N).
	Expl J PRL	34	827	375 1.1+1 1.8+1	Gavron+ CURV. G(F)/G(N), Z=91-97.
		systematics($^3\text{He}, t + \text{fission}$)	$\sigma(E) \times \text{factor}$		
6650	LAS Expl J PR/C	15	2238	677 4.0+0 1.0+1	Gavron+ CURV. FISSION PROB. 7 ACTINIDES.
	Expl J NSE	72	222	N79 TR	+1 Britt+ NDG. FISSION PROB. DRVD. (N,F) SIGM
	Expl J PRL	34	827	375 1.1+1 1.8+1	Gavron+ CURV. G(F)/G(N), Z=91-97.
		systematics($^3\text{He}, x$) isotopic distribution	thick target yield		
6651	USA Rev J IRE	26	1729	279 +1	Tilbury+ TBL. RADIOISOTOPE PROD AT SKI.
		systematics($^3\text{He}, x$) isotopic distribution	relative $\sigma(E)$		
6652	NRL Expl J PR/C	14	1655	76 8.0+1	Singh+ MULTINUCLEON REMOVAL. ALSO PREEQ
		systematics($^3\text{He}, xn$) isotopic distribution	partial $\sigma(E)$		
6653	MSU Expl A DA/B	39	2299	N78 NDG	Saha+ ENRICHED HG TRGT. PB PROD. HIGH J.
		$^2\text{H}(\alpha, x)n$	thick target yield		
6654	HAR Expl P AERE-PR/NP2328	76	+0	7.2+0	West+ NDG. PROP. STUDY.
		$^2\text{H}(\alpha, n+p)^4\text{He}$	$\sigma(E)$		
6655	HAM Expl J NP/A	325	72	879 2.0+1 2.8+1	Graubmann+ TBL. INTAD. INTED. A-SPECTRA

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^2\text{H}(\alpha, \gamma)^6\text{Li}$ $\sigma(E)$					
6656	ANL Expt P	ANL-79-40	78	79 8.8+0 2.6+1	Bowles+ NDG. 20NB BELOW EX=4MEV.
6657	MSU Expt P	ANL-78-66	80	478 2.3+1 3.3+1	Bowles+ TBL. DETECTED RECOILS.
	Expt P	ANL-78-66	80	378 3.3+0 9.8+0	Bowles+ TBL. FROM 0-DEG. SIGMA.
$^2\text{H}(\alpha, \gamma)^6\text{Li}$ partial $\sigma(E)$					
6658	MSU Expt P	ANL-78-66	80	478 +1	Bowles+ NDG. T9D. 0+, T=1 AT 3.56MEV
$^3\text{H}(\alpha, n)^6\text{Li}$ product yield					
6659	GEL Revu C	77NBS	3	77 1.2+1	Knitter. NDG. PRIV. COMM. FRM JARMIE(LAS)
6660	LAS Expt W	TO KNITTER	77	1.2+1	Jarmie. NDG. 77NBS. 3(1977)
$^3\text{H}(\alpha, n)^6\text{Li}$ $\sigma(E)$					
6661	UPP Expt W	INTERLAB SEM.	579	1.2+1 1.6+1	Anderson+ NDG. SESSION VII(PARIS).
	Expt P	KDK-32	34	479 +0 1.8+1	Andersson+ NDG. TO STUDY INV. REACTION.
	Expt P	INDC(SWD)-1234	479	+0 1.8+1	. SAME AS KDK-32.
	Expt P	NEANDC(OR)1152	479	+0 1.8+1	. SAME AS KDK-32.
$^3\text{H}(\alpha, \gamma)^7\text{Li}$ product yield					
6662	UBC Expt A	DA/B 38	249	777 3.6-1 1.0+0	Ottewell. NDG.
$^4\text{He}(\alpha, x)\gamma$ relative $\sigma(E)$					
6663	HRV Theo J	AJ 212	595	377 2.8+2 4.4+4	Epstein. CURV. STELLAR MIX. A/P = 0.07
$^4\text{He}(\alpha, x)^2\text{H}$ relative $\sigma(E)$					
6664	HRV Theo J	AJ 212	595	377 2.8+2 4.4+4	Epstein. CURV. STELLAR MIX. A/P = 0.07
$^4\text{He}(\alpha, x)^3\text{He}$ relative $\sigma(E)$					
6665	HRV Theo J	AJ 212	595	377 2.8+2 4.4+4	Epstein. CURV. STELLAR MIX. A/P = 0.07
$^3\text{He}(\alpha, \gamma)^7\text{Be}$ $\sigma(E)$					
6666	MST Expt A	PC 35	15	79 2.7-1 3.9+0	Krawinkel+NDG. ALSO ANG. DIST., REACT. RAT
$^4\text{He}(\alpha, x)$ compound-nucleus $\sigma(E)$					
6667	MAN Theo J	JP/G 5	281	279 1.0+1 7.8+1	Sandhya+ CURV. TDHF CALC. FUSION.
$^4\text{He}(\alpha, \text{absorption})$ $\sigma(E)$					
6668	MIN Exth J	PR/C 16	18	777 2.8+1	Koepke+ TBL. CURV. DEDUCED AND CALCULAT
6669	BRK Expt J	PL/B 63	1	76 3.7+1 4.3+1	Slododrian+ CURV. INFERRED FROM ELASTIC
6670	MSU Theo J	PL/B 67	389	477 3.8+1 4.4+1	King+ CURV.
$^4\text{He}(\alpha, \text{total})$ $\sigma(E)$					
6671	MAN Theo J	JP/G 5	281	279 1.0+1 7.8+1	Sandhya+ CURV. TDHF CALC.
6672	LUQ Theo J	PL/B 78	539	078 3.6+1 4.4+1	Slododrian. CURV. CFD VARIOUS SOLUTIONS
$^4\text{He}(\alpha, 2p)^6\text{He}$ $\sigma(E)$					
6673	MRY Expt A	DA/B 40	745	879 6.0+1 1.6+2	Glagola. NDG. DELTA E - E TECH.
$^4\text{He}(\alpha, x)^6\text{Li}$ $\sigma(E)$					
6674	MRY Expt A	DA/B 40	745	879 6.0+1 1.6+2	Glagola. NDG. DELTA E - E TECH.
$^4\text{He}(\alpha, x)^8\text{Li}$ partial $\sigma(E)$					
6675	MRY Expt J	PRL 41	1698	078 6.2+1 1.8+2	Glagola+ CURV. INTAD. DE-E TEL.
$^4\text{He}(\alpha, np)^6\text{Li}$ partial $\sigma(E)$					
6676	MRY Expt J	PRL 41	1698	078 6.2+1 1.8+2	Glagola+ CURV. INTAD. DE-E TEL. KIN. ASSU
$^4\text{He}(\alpha, d)^6\text{Li}$ partial $\sigma(E)$					
6677	MSU Expt J	PR/C 16	1712	N77 4.7+1 5.0+1	King+ CURV. G.S. INTAD.
6678	MRY Expt J	PRL 41	1698	078 6.2+1 1.8+2	Glagola+ CURV. INTAD. DE-E TEL. KIN. ASSU
$^4\text{He}(\alpha, p)^7\text{Li}$ $\sigma(E)$					
6679	BRK Expt J	PL/B 63	1	76 3.7+1 4.3+1	Slododrian+ CURV. G.S.+0.477-STATE
6680	MSU Expt J	PR/C 16	1712	N77 3.9+1 5.0+1	King+ TRL. SUM OF G.S. AND .478-LVL.
	Thro J	PL/B 67	389	477 3.8+1 4.4+1	King+ CURV.
	Expt J	PRL 35	988	075 TR 5.0+1	King+ CURV. INTAD. DE-E TELESCOPE.
6681	LUQ Theo J	PL/B 78	539	078 4.0+1 4.3+1	Slododrian. CURV. CFD EXP.
6682	MRY Expt J	PRL 41	1698	078 6.2+1 1.8+2	Glagola+ CURV. INTAD. DE-E TEL.
	Expt J	PRL 35	988	075 6.0+1 1.4+2	King+ CURV. INTAD. DE-E TELESCOPE.

REFERENCES(cont)

No.	Lab	Work	Reference	Emin	Emax	Author.	Comments
Type				(MeV)	(MeV)		
${}^4\text{He}(\alpha, p){}^7\text{Li}$ partial $\sigma(E)$							
6683	BRK	Expt J PL/B	63	1	76	3.7+1	4.3+1 Slobodrian+ CURV. P0.
6684	MSU	Expt J PR/C	16	1712	N77	3.9+1	5.0+1 King+CURV.TBL.G.S. AND .478-LVL. INTAD.
6685	GSF	Eval J AJ/S	40	487	779	4.0+1	1.5+2 Ramaty+ CURV. 0.478-MEV LVL.
		Eval R NASA-TM-79654		79	4.0+1	1.5+2	. SAME AS AJ/S 40. 487(1979).
${}^4\text{He}(\alpha, n){}^7\text{Be}$ $\sigma(E)$							
6686	GSF	Eval J AJ/S	40	487	779	3.6+1	2.0+2 Ramaty+ CURV.
		Eval R NASA-TM-79654		79	3.6+1	2.0+2	. SAME AS AJ/S 40. 487(1979).
6687	BRK	Expt J PL/B	63	1	76	3.7+1	4.3+1 Slobodrian+ CURV. FROM EL AND 7-LI+P.
6688	LUQ	Theo J PL/B	78	539	078	3.8+1	4.3+1 Slobodrian. CURV. CFD EXP.
6689	MSU	Expt J PR/C	16	1712	N77	3.9+1	4.7+1 King+CURV.TBL. SUM OF G.S. AND .429-LVL
		Theo J PL/B	67	389	477	3.9+1	4.3+1 King+ CURV.
		Expt J PRL	35	988	075	TR	1.4+2 King+ CURV. INTAD.
6690	MRY	Expt J PRL	41	1698	078	6.2+1	1.8+2 Giagola+ CURV. INTAD. DE-E TEL.
${}^4\text{He}(\alpha, n){}^7\text{Be}$ partial $\sigma(E)$							
6691	MSU	Expt J PR/C	16	1712	N77	3.9+1	4.7+1 King+ CURV. G.S. AND .429-LVL. INTAD.
${}^4\text{He}(\alpha, \gamma){}^8\text{Be}$ partial relative $\sigma(E)$							
6692	YAL	Expt A BAP	22	541	477	1.6+1	1.7+1 Long+ NDG. THETA=125DEG. E IN BE8 SYS
${}^4\text{He}(\alpha, \gamma){}^8\text{Be}$ partial raw $\sigma(E)$							
6693	HEI	Expt J PL/B	71	71	N77	3.3+1	3.5+1 Paul+ CURV. 2+ STATE. HIGH-ENERGY GAMMA
		Expt C 7710KYO		783	977	3.1+1	3.5+1 Paul+ CURV. 2+ STATE. POSSIBLE CVC VIOL
${}^4\text{He}(\alpha, \gamma){}^8\text{Be}$ partial $\sigma(E)$							
6694	PTN	Expt J PR/C	18	1447	978	3.2+1	3.6+1 Bowles+ NDG. ALSO A2,A4. CFD FIT.
${}^4\text{He}(\alpha, x)$ mass distribution $\sigma(E)$							
6695	MRY	Expt J PRL	41	1698	078	6.2+1	1.8+2 Giagola+ CURV. A = 6. CFD. OTHERS.
${}^4\text{He}(\alpha, x)$ mass distribution $\sigma(E)$ x factor							
6696	MRY	Expt J PRL	41	1698	078	6.2+1	1.8+2 Giagola+ CURV. RATIO A=7/A=6.
${}^{60}\text{Fe}(\alpha, x){}^6\text{Li}$ relative $\sigma(E)$							
6697	HRV	Theo J AJ	212	595	377	2.8+2	4.4+4 Epstein. CURV. STELLAR MIX. A/P = 0.07
${}^{60}\text{Fe}(\alpha, x){}^7\text{Li}$ relative $\sigma(E)$							
6698	HRV	Theo J AJ	212	595	377	2.8+2	4.4+4 Epstein. CURV. STELLAR MIX. A/P = 0.07
$\text{Li}(\alpha, x)n$ thick target yield							
6699	ORL	Expt J NSE	71	18	779	3.5+0	9.0+0 Bair+ TBL. CURV. FRM ISOTOPES.
6700	GEL	Theo J AKE	30	59	77	4.4+0	7.0+0 Liskien+ TBL. FROM SIG+STOP. POWERS.N/A
6701	HAR	Expt P UKNDC-P-88	62	678	7.5+0		West+ NDG. VDG.
$\text{Li}(\alpha, x)n$ thick target yield							
6702	ORL	Expt J NSE	71	18	779	6.0+0	9.0+0 Bair+ TBL. CURV. N/10E6 A.
$\text{Li}(\alpha, \text{elastic}){}^6\text{Li}$ $\sigma(E)$							
6703	ANL	Expt P ANL-79-40	71	79		-1	2.0+0 Elwyn+ NDG. TO BE MEASURED.
$\text{Li}(\alpha, \gamma){}^{10}\text{B}$ partial raw thick target yield							
6704	AML	Expt J NP/A	318	21	479	1.1+0	1.3+0 Spear+ CURV. 718-KEV G ALSO RESON. STR.
$\text{Li}(\alpha, x)n$ thick target yield							
6705	ORL	Expt J NSE	71	18	779	3.5+0	9.0+0 Bair+ TBL. CURV. N/10E6 A.
$\text{Li}(\alpha, \text{inelastic}){}^7\text{Li}$ partial raw thick target yield x abundance							
6706	SUN	Expt J JRC	50	307	79	5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
$\text{Li}(\alpha, \text{inelastic}){}^7\text{Li}$ partial $\sigma(E)$							
6707	LAS	Eval C 75WASH	1	302	375	2.8+0	6.3+0 Hale. CURV. A(1). R-MATRIX FIT TO DATA.
${}^9\text{Be}(\alpha, \text{total})$ $\sigma(E)$							
6708	IJI	Revw J FCY	6	827	75	4.0+1	Nemets+ TBL. FROM PR 131.1251(1963).
		Revw J SJPN	6	325	76	4.0+1	. TRANSLATION OF FCY 6.(4).827(1975).
${}^9\text{Be}(\alpha, x)n$ thick target yield x factor							
6709	GEL	Theo J AKE	30	59	77	1.5+0	7.0+0 Liskien+ TBL. FROM SIG+STOP. POWERS.N/A
6710	ORL	Expt J NSE	71	18	779	3.0+0	9.0+0 Bair+ TBL. CURV. NO CORR. FOR DET. EFF.

REFERENCES(cont)

No.	Lab	Work Type	Reference	Emin (MeV)	Emax (MeV)	Author	Comments
⁹ Be(α,x)n σ(E)							
6711	OTC	Eval	R NRCC-15303	576	1.5+0	7.9+0	Geiger+ SUM OF PARTIALS AND BREAKUP
		Eval	J NIM 131	315	75	1.0+0	7.9+0 Geiger+ CURV. SUM NO-N3 AND BREAKUP.
		Eval	4 EXFORD0001.011	078	1.5+0	7.9+0	. 129 PTS.
⁹ Be(α,x) ⁷ Be thick target yield							
6712	FEI	Expt	J AE 31	157	871	4.3+1	Dmitriev+ SUM OF 2N+A AND HE6.
		Expt	J SJA 31	876	71	4.3+1	. TRANSLATION OF AE 31, 157(1971)
		Expt	4 EXFORA0012.008	478	4.3+1		. 1 DATA POINTS
⁹ Be(α,n+α) ⁸ Be σ(E;E') _n							
6713	OTC	Eval	R NRCC-15303	576	4.3+0	7.4+0	Geiger+ TBL. INTAD. ZP 259, 275(1973)
		Eval	J NIM 131	315	75	4.9+0	7.4+0 Geiger+ CURV. INTAD. BREAKUP NEUTRONS.
		Eval	4 EXFORD0001.002	078	4.3+0	7.4+0	. 143 PTS. 9 INC. ES. 31 SEC. ES.
⁹ Be(α,n+α) ⁸ Be σ(E)							
6714	OTC	Eval	R NRCC-15303	576	4.4+0	7.9+0	Geiger+ TBL. INTEG. OF DSIG/DE.
		Eval	4 EXFORD0001.010	078	4.4+0	7.9+0	. 71 PTS.
⁹ Be(α,2n) ¹¹ C σ(E)×factor							
6715	HAM	Expt	P NEANDC(E)-1925	478	2.0+1	3.2+1	Kofahl+ CURV. RED. EXC. FUNCTION
⁹ Be(α,n) ¹² C σ(E)							
6716	BNL	Revw	C 63HOUSTO	3	63	NDG	Goldberg. NDG.
6717	IPS	Expt	R NFL-6	79	4.4-1	8.0-1	Ramstroem+ CURV.
⁹ Be(α,n) ¹² C partial σ(E;θ)							
6718	OTC	Eval	R NRCC-15303	576	1.4+0	8.0+0	Geiger+ TBL. 4 REFERENCES.
		Eval	4 EXFORD0001.003	078	1.4+0	8.0+0	. 176 PTS. 0-DEG DA. 67 ES. 4 LEVELS.
		Eval	4 EXFORD0001.008	078	1.5+0	8.0+0	. 306 PTS. 0-DEG DA. 129 ES. 4 LEVELS.
⁹ Be(α,n) ¹² C partial σ(E;θ) Legendre coefficient expansionσ(E;0°)							
6719	OTC	Eval	R NRCC-15303	576	6.1-1	9.9+0	Geiger+ TBL. 13 REFERENCES.
		Eval	J NIM 131	315	75	1.0+0	7.9+0 Geiger+ NDG. NO-N3 GRP. LEG. COEFF.
		Eval	4 EXFORD0001.	078	6.1-1	9.9+0	. 930 PTS. GND + 3 EXCITED STATES.
⁹ Be(α,n) ¹² C partial σ(E)							
6720	OTC	Eval	R NRCC-15303	576	1.5+0	7.9+0	Geiger+ TBL. INTAD. GND+3 EXCITED STATE
		Eval	J NIM 131	315	075	TR	7.8+0 Geiger+ CURV. EX=0.0,4.44,9.64,7.65 MEV
		Eval	4 EXFORD0001.009	078	1.5+0	7.9+0	. 306 PTS. 129 ES. 4 LEVELS.
⁸ B(α,x)n thick target yield							
6721	GEL	Theo	J AKE 30	59	77	3.0-1	5.2+0 Liskien+ TBL. FROM SIG+STOP. POWERS.N/A
6722	ORL	Expt	J NSE 71	18	779	3.5+0	7.5+0 Bair+ TBL. CURV. NO CORR. FOR DET. EFF.
6723	HAR	Expt	P UKNDC-P-88	62	678	7.5+0	West+ NDG. VDDG.
		Expt	P UKNDC-P-86	17	877	2.0+0	7.5+0 West+ NDG.
		Expt	P AERE-PR/NP	24	577	2.0+0	7.5+0 West+ NDG. P. 24
¹⁰ B(α,x)n thick target yield×factor							
6724	ORL	Expt	J NSE 71	18	779	3.5+0	7.5+0 Bair+ TBL. CURV. NO CORR. FOR DET. EFF.
¹⁰ B(α,scattering) ¹⁰ B σ(E)							
6725	FLA	Expt	A DA/B 38	5454	578	4.0+0	9.0+0 Griggs. NDG. RESONANCES OBSERVED.
		Expt	A BAP 21	514	76	4.0+0	9.0+0 Griggs+ NDG. OBSERVED STRONG RESONANCES
¹⁰ B(α,inelastic) ¹⁰ B partial raw thick target yield×abundance							
6726	SUN	Expt	J JRC 50	307	79	5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
¹⁰ B(α,p) ¹³ C partial raw thick target yield×abundance							
6727	SUN	Expt	J JRC 50	307	79	5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
¹¹ B(α,x)n thick target yield							
6728	ORL	Expt	J NSE 71	18	779	3.5+0	7.5+0 Bair+ TBL. CURV. NO CORR. FOR DET. EFF.
¹¹ B(α,p) ¹⁴ C σ(E)							
6729	CAL	Expt	J NP/A 261	365	76	1.4+0	2.9+0 Dayras+ CURV INTEGRATED ANGULAR DIST
		Revw	C 75WASH 2	659	375	1.4+0	3.0+0 Tombrello. CURV.
¹¹ B(α,p) ¹⁴ C partial σ(E)							
6730	TAI	Expt	J NSE 66	188	578	4.4+0	6.7+0 Hou+ TBL. CURV. INTAD. 4 SSD.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
¹¹ B(α,n) ¹⁴ N partial raw thick target yield=abundance					
6731	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
¹¹ B(α,γ) ¹⁵ N partial σ(E)					
6732	STR Expt J NP/A	306	77	878 6.0+0 1.2+1	Degre+ TBL. CURV. GO. ALSO LEG. POLYN. C(α,total) σ(E)
6733	IJI Revv J FCY	6	827	75 1.6+1 4.0+1	Nemets+ TBL.
	Revv J SJPN	6	325	76 1.6+1 4.0+1	. TRANSLATION OF FCY 6.(4).827(1975).
C(α,x)γ thick target yield					
6734	CCP Expt R YK- 21	73	76	4.6+1	Malusevich+ CURV. TBL. THETA = 0 DEG.
	Expt R INDC(CCP)-103	577	4.6+1		.TRANSLATION OF T. OF C.(YK 21,73(1976)
C(α,x)γ σ(E)					
6735	WAU Expt P A-WAU-78	1	778	TR 2.7+1	Bodansky+ NDG.
C(α,x)n thick target yield					
6736	ORL Expt J PR/C	7	1356	373 1.0+0 5.4+0	Bair+ CALC. TTY MUST BE REDUCED 15%.
6737	GEL Theo J AKC	30	59	77 1.1+0 7.0+0	Liskien+ TBL. FROM SIG+STOP. POWERS.N/A
6738	ORL Expt W IN NSE	51	83	73 2.0+0 1.0+1	Macklin. REANALYZED DATA.
	Expt J NSE	31	343	68 2.0+0 1.0+1	Macklin. CURV. CORRECTED IN PC TO BAIR
6739	HAR Expt P AERE-PR/NP-26	379	3.0+0 1.0+1	West+ CURV. POLYETHYLENE MOD. P. 42.	
	Expt C 78HARNEL	612	78 3.1+0 8.0+0	West+ CURV. 9 LONG 3HE-AR-METHANE COUN	
6740	ORL Expt J NSE	51	83	73 5.4+0 9.0+0	Bair. CURV. GRAPHITE SPHERE.
	Expt J NSE	51	83	73 2.0+0 5.4+0	Bair. CURV. CALC. FRM PR/C 7, 1356.
¹¹ C(α,p) ¹⁴ N σ(E)					
6741	CAL Exth J PR/C	13	524	76 NDG	Ingalls+ INV. EQUATION.
¹² C(α,absorption) σ(E)					
6742	IJI Revv J FCY	6	827	75 NDG	Nemets+ CURV.
	Revv J SJPN	6	325	76 NDG	. TRANSLATION OF FCY 6.(4).827(1975).
6743	LAS Revv S BNL-51115	513	779	2.7+1 2.9+2	De-Vries+ CURV. CFD EXPT AND MODEL
¹² C(α,total) σ(E)					
6744	LAS Theo J PRL	43	1373	N79 5.0+0 5.0+2	De-Vries+ CURV. SEMI-CLASSICAL CFD EXPT
¹² C(α,x)γ raw thick target yield					
6745	SUN Expt J JRC	50	307	79 5.0+0	Giles+ NO PROMPT GS. GRAPHITE TARGET.
¹² C(α,x)n thick target yield					
6746	HAR Expt P NEANDC(E)-2028	479	3.6+0 1.0+1	West+ CURV. POLY MODERATOR. P. 57.	
	Expt P INDC(UK)-31	57	479 3.6+0 1.0+1	. SAME AS NEANDC(E)-202, VOL. 8	
	Expt P UKNDC-P-94	57	479 3.6+0 1.0+1	. SAME AS NEANDC(E)-202, VOL. 8.	
¹² C(α,d+2α) ⁶ Li σ(E)					
6747	KFK Expt J NC/A	49	235	79 4.3+1 5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL
¹² C(α,α+ ⁶ Li) ⁶ Li σ(E)					
6748	KFK Expt J NC/A	49	235	79 5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL
¹² C(α,p+2α) ⁷ Li σ(E)					
6749	KFK Expt J NC/A	49	235	79 4.3+1 5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL
¹² C(α,x) ⁷ Be σ(E)					
6750	LPI Theo J YF	31	119	80 9.2+2	Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
¹² C(α, ⁸ Be) ⁸ Be partial σ(E)					
6751	STR Expt J PR/C	13	967	76 1.7+1 3.3+1	Brochard+ G.S.-G.S. DDCD FROM ANG. DIST
	Expt C 75MRYLND	524	75 2.7+1 3.3+1	Brochard+CURV.L=0.2,4,6,8. CFD EXP./H-F	
¹² C(α,p+ ⁶ Li) ⁹ Be σ(E)					
6752	KFK Expt J NC/A	49	235	79 5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL
¹² C(α, ³ He+α) ⁹ Be σ(E)					
6753	KFK Expt J NC/A	49	235	79 4.3+1 5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL
¹² C(α,2p+α) ¹⁰ Be σ(E)					
6754	KFK Expt J NC/A	49	235	79 4.3+1 5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		$^{12}C(\alpha, x)^{10}B$	cumulative $\sigma(E)$ factor			
6755	PAR Exth J	PR/C 15 2159 677	1.0+2	1.6+2	Fontes. TBL.	B11/B10 RATIO. STCKD FOILS
	Expt 4	EXFORB0092.003 579	1.0+2	1.6+2	. 1 DATA POINTS.	RATIO 118/108.
		$^{12}C(\alpha, x)^{10}B$	cumulative $\sigma(E)$			
6756	PAR Exth J	PR/C 15 2159 677	1.0+2	1.6+2	Fontes. TBL.	CURV. STACKED FOILS.
	Expt 4	EXFORB0092.003 579	1.0+2	1.6+2	. 1 DATA POINTS.	
		$^{12}C(\alpha, d+a)^{10}B$	$\sigma(E)$			
6757	KFK Expt J	NC/A 49 235 79	4.3+1	5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
		$^{12}C(\alpha, x)^{11}B$	cumulative $\sigma(E)$ factor			
6758	PAR Exth J	PR/C 15 2159 677	1.0+2	1.6+2	Fontes. TBL.	B11/B10 RATIO. STCKD FOILS
	Expt 4	EXFORB0092.003 579	1.0+2	1.6+2	. 1 DATA POINTS.	RATIO 118/108.
		$^{12}C(\alpha, x)^{11}B$	cumulative $\sigma(E)$			
6759	PAR Exth J	PR/C 15 2159 677	1.0+2	1.6+2	Fontes. TBL.	CURV. STACKED FOILS.
	Expt 4	EXFORB0092.003 579	1.0+2	1.6+2	. 1 DATA POINTS.	
		$^{12}C(\alpha, x)^{11}B$	partial $\sigma(E)$			
6760	GSF Eval J	AJ/S 40 487 779	2.4+1	8.0+1	Ramaty+ CURV.	4.444-MEV LVL.
	Eval R	NASA-TM-79654 79	2.4+1	8.0+1	. SAME AS AJ/S 40, 487(1979).	
		$^{12}C(\alpha, p+a)^{11}B$	$\sigma(E)$			
6761	KFK Expt J	NC/A 49 235 79	3.3+1	5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
		$^{12}C(\alpha, x)^{11}C$	$\sigma(E)$			
6762	LPI Theo J	YF 31 119 80	9.2+2		Dmitriev+ TBL.	DYNAMICAL MODEL. CFD EXP
		$^{12}C(\alpha, n+a)^{11}C$	$\sigma(E)$ abundance			
6763	BRK Expt J	PR 101 329 56	3.5+2		Crandall+ TBL.	STACKED FOILS.
	Expt 4	EXFORB0101.004 N79	3.5+2		. (57.0+-0.6)MB.	
		$^{12}C(\alpha, d+t)^{11}C$	$\sigma(E)$			
6764	KFK Expt J	NC/A 49 235 79	5.1+1		Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
		$^{12}C(\alpha, inelastic)^{12}C$	partial $\sigma(E)$,			
6765	GSF Eval J	AJ/S 40 487 779	8.0+0	1.2+2	Ramaty+ CURV.	4.439-MEV LVL.
	Eval R	NASA-TM-79654 79	8.0+0	1.2+2	. SAME AS AJ/S 40, 487(1979).	
		$^{12}C(\alpha, elastic)^{12}C$	$\sigma(E)$			
6766	TPI Theo J	IZV 41 2148 77	8.8+0	1.7+1	Malusevich+ TBL.	SIMPLE MODEL.
	Theo J	BAS 41 135 77	8.8+0	1.7+1	. TRANSLATION OF IZV 41(10), 2148(19877).	
		$^{12}C(\alpha, p)^{15}N$	partial $\sigma(E)$ factor			
6767	KLN Expt J	JP/A 290 81 79	1.8+1	1.9+1	Moebius+ CURV.	P0. INTAD. FCT = 1/4PI.
		$^{12}C(\alpha, p)^{15}N$	partial relative $\sigma(E)$			
6768	KLN Expt J	JP/A 290 81 79	1.8+1	1.9+1	Moebius+ CURV.	P0. INTAD. 16 POINTS.
		$^{12}C(\alpha, p)^{15}N$	partial $\sigma(E)$			
6769	KUR Expt J	YF 24 873 N76	5.0+1		Burtebaev+ TBL.	INTAD. 9 GROUPS.
	Expt J	SNP 24 457 77	5.0+1		. TRANSLATION OF YF 24(5), 873(1976).	
		$^{12}C(\alpha, n)^{15}O$	$\sigma(E)$			
6770	KLN Exth J	JP/A 283 97 77	TR	2.6+1	Gruhle+CURV.	CFD EXP TO HAUSER-FESHBACH
		$^{12}C(\alpha, \gamma)^{16}O$	$\sigma(E)$ factor			
6771	MST Revv J	ARN 28 115 078	1.3-1	4.7+0	Rolfs+ CURV.	S-FACTOR. NP/A 233,495+MOD
6772	CAL Theo J	NP/A 271 210 76	4.0-1	4.1+0	Humblet+ CURV.	S-FACTOR.
6773	LAS Expt J	NP/A 305 293 778	4.0-1		Becchetti+S=0.09-0.46MEV+B INCL (L17,T)	
		$^{12}C(\alpha, \gamma)^{16}O$	$\sigma(E)$			
6774	WAU Exth A	DA/B 39 2374 N78	NDG		Ebisawa. NDG.	NEAR+ABOVE GDR. TESTED DSD
6775	MST Revv J	ARN 28 115 078	TR	3.0+0	Rolfs+ CURV.	CFD 016 LVL SCHEME+3A PROC
		$^{12}C(\alpha, \gamma)^{16}O$	$\sigma(E)$ at resonance			
6776	MST Revv J	ARN 28 115 078	1.4+0		Rolfs+ 0.3NB.	NP/A 233, 495.
		$^{12}C(\alpha, \gamma)^{16}O$	partial $\sigma(E)$ factor			
6777	MST Revv J	ARN 28 115 078	3.0-1		Rolfs+E1 S-FCT.	APP.= 0.1MEV-B.VAR. MOD

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
	$^{12}\text{C}(\alpha, \gamma)^{16}\text{O}$	relative $\sigma(E)$			
6778	CBR Expl J	NP/A 273	397	N76 6.5+0 8.5+0	Ophel+ TBL. NO CORR. FOR ANG. DIST.
	$^{12}\text{C}(\alpha, \gamma)^{16}\text{O}$	partial relative $\sigma(E)$			
6779	CBR Expl J	NP/A 273	397	N76 6.5+0 8.5+0	Ophel+ TBL. 1- RESONANCE.
	$^{12}\text{C}(\alpha, x)$ mass distribution	$\sigma(E)$			
6780	MRY Expl A	BAP 24	846	979 6.0+1 1.6+2	Glagola+ NDG. A GT 4.
	$^{12}\text{C}(\alpha, x)$ isotopic distribution	$\sigma(E)$			
6781	KFK Expl J	NC/A 49	235	79 3.3+1 5.1+1	Vidal-Quadras+TBL. ISOTOPE PROD. A=6-11
	$^{13}\text{C}(\alpha, xn)$	thick target yield			
6782	ORL Expl J	PR/C 7	1356	373 1.0+0 1.0+0	Bair+ CURV. RES. YLD. N/10E12 A.
	Expl J	PR/C 7	1356	373 1.3+0 1.3+0	Bair+ CURV. RES. YLD. N/10E12 A.
	$^{13}\text{C}(\alpha, n)^{16}\text{O}$	$\sigma(E)$			
6783	AE Exth J	NP/A 272	259	N76 7.0-1 1.0+0	Ramstrom+ CURV. DERIVED S-FACTORS ALSO.
	Expl J	AJ 211	223	76 7.0-1 1.0+0	Ramstrom+ CURV. THICKNESS=(13E-6)G/CM2.
6784	ORL Expl J	PR/C 7	1356	373 1.0+0 5.4+0	Bair+ CURV. NORMALIZED TO 1.057 TTY.
6785	ORL Expl J	NSE 71	18	779 3.0+0 9.0+0	Bair+ CFD 1973 RES. WITH OTHERS.
	$^{13}\text{C}(\alpha, n)^{16}\text{O}$	thick target yield			
6786	AE Exth J	NP/A 272	259	N76 6.0-1 1.2+0	Ramstrom+ CURV. DERIVED FORMULAE.
	Expl J	AJ 211	223	76 6.0-1 1.2+0	Ramstrom+ CURV. THICKNESS=(88E-6)G/CM2.
6787	ORL Expl J	NSE 71	18	779 3.0+0 9.0+0	Bair+ CFD 1973 RES. WITH OTHERS.
	$^{13}\text{C}(\alpha, n)^{16}\text{O}$	$\sigma(E)$ =factor			
6788	AE Exth J	NP/A 272	259	N76 7.0-1 1.0+0	Ramstrom+ CURV. S-FACTORS ALSO.
	Expl J	AJ 211	223	76 7.0-1 1.0+0	Ramstrom+ CURV. S-FACTOR.
	$^{14}\text{C}(\alpha, \gamma)^{18}\text{O}$	$\sigma(E)$			
6789	WAU Exth A	DA/B 39	2374	N78 NDG	Ebisawa. NDG. NEAR+ABOVE GOR. TESTED DSD
	$\text{N}(\alpha, x)\text{n}$	thick target yield			
6790	GEL Theo J	AKE 30	59	77 6.1+0 7.0+0	Liskien+ TBL. FROM SIG+STOP. POWERS. N/A
	$^{14}\text{N}(\alpha, x)\gamma$	$\sigma(E)$			
6791	WAU Expl P	A-HAU-78	1	778 TR	2.7+1 Bodansky+ NDG.
	$^{14}\text{N}(\alpha, ^3\text{He})^{16}\text{Li}$	$\sigma(E)$			
6792	KFK Expl J	NC/A 49	235	79 3.3+1 5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL
	$^{14}\text{N}(\alpha, p+\alpha+^6\text{Li})^7\text{Li}$	$\sigma(E)$			
6793	KFK Expl J	NC/A 49	235	79 5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL
	$^{14}\text{N}(\alpha, ^3\text{He}+2\alpha)^7\text{Li}$	$\sigma(E)$			
6794	KFK Expl J	NC/A 49	235	79 5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL
	$^{14}\text{N}(\alpha, t+2\alpha)^7\text{Be}$	$\sigma(E)$			
6795	KFK Expl J	NC/A 49	235	79 5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL
	$^{14}\text{N}(\alpha, \alpha+^7\text{Li})^7\text{Be}$	$\sigma(E)$			
6796	KFK Expl J	NC/A 49	235	79 4.3+1 5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL
	$^{14}\text{N}(\alpha, p+2\alpha)^9\text{Be}$	$\sigma(E)$			
6797	KFK Expl J	NC/A 49	235	79 3.3+1 5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL
	$^{14}\text{N}(\alpha, d+^7\text{Be})^9\text{Be}$	$\sigma(E)$			
6798	KFK Expl J	NC/A 49	235	79 5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL
	$^{14}\text{N}(\alpha, p+^7\text{Be})^{10}\text{Be}$	$\sigma(E)$			
6799	KFK Expl J	NC/A 49	235	79 4.3+1 5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL
	$^{14}\text{N}(\alpha, p+^3\text{He}+\alpha)^{10}\text{Be}$	$\sigma(E)$			
6800	KFK Expl J	NC/A 49	235	79 5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL
	$^{14}\text{N}(\alpha, p+t+\alpha)^{10}\text{B}$	$\sigma(E)$			
6801	KFK Expl J	NC/A 49	235	79 5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
						$^{14}\text{N}(\alpha, p+^7\text{Li})^{10}\text{B}$ $\sigma(\text{E})$
6802	KFK Expl J NC/A	49	235	79 4.3+1 5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
						$^{14}\text{N}(\alpha, 2d+\alpha)^{10}\text{B}$ $\sigma(\text{E})$
6803	KFK Expl J NC/A	49	235	79 5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
						$^{14}\text{N}(\alpha, d+^6\text{Li})^{10}\text{B}$ $\sigma(\text{E})$
6804	KFK Expl J NC/A	49	235	79 5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
						$^{14}\text{N}(\alpha, 2\alpha)^{10}\text{B}$ $\sigma(\text{E})$
6805	KFK Expl J NC/A	49	235	79 3.3+1 5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
						$^{14}\text{N}(\alpha, p+d+\alpha)^{11}\text{B}$ $\sigma(\text{E})$
6806	KFK Expl J NC/A	49	235	79 4.3+1 5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
						$^{14}\text{N}(\alpha, p+^6\text{Li})^{11}\text{B}$ $\sigma(\text{E})$
6807	KFK Expl J NC/A	49	235	79 3.3+1 5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
						$^{14}\text{N}(\alpha, ^3\text{He}+\alpha)^{11}\text{B}$ $\sigma(\text{E})$
6808	KFK Expl J NC/A	49	235	79 3.3+1 5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
						$^{14}\text{N}(\alpha, p+^6\text{He})^{11}\text{C}$ $\sigma(\text{E})$
6809	KFK Expl J NC/A	49	235	79 4.3+1 5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
						$^{14}\text{N}(\alpha, t+\alpha)^{11}\text{C}$ $\sigma(\text{E})$
6810	KFK Expl J NC/A	49	235	79 3.3+1 5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
						$^{14}\text{N}(\alpha, \text{inelastic})^{14}\text{N}$ partial $\sigma(\text{E})$
6811	GSF Eval J AJ/S	40	487	779 3.0+0 1.1+2	Ramaty+ CURV.	2.313-MEV GAMMA.
	Eval R NASA-TM-79654		79	3.0+0 1.1+2	SAME AS AJ/S 40, 487(1979).	
						$^{14}\text{N}(\alpha, \text{elastic})^{14}\text{N}$ product yield
6812	KQU Expl A PC	35	6	79 5.6+0 5.6+0	Mak+ NDG.	.2 KEV STEPS. 20KEV INTERVAL.
						$^{14}\text{N}(\alpha, p)^{17}\text{O}$ partial raw thick target yield
6813	SUN Expl J JRC	50	307	79 5.0+0	Giles+ TBL.	SURVEY OF PROMPT GS.
						$^{14}\text{N}(\alpha, \gamma)^{18}\text{F}$ product yield
6814	TOR Expl J NP/A	327	172	979 2.3+0 2.5+0	Kieser+ NDG.	DELTA E=20KEV FOR E=2.3MEV
6815	KQU Expl A PC	35	6	79 5.6+0 5.6+0	Mak+ NDG.	.2 KEV STEPS. 20KEV INTERVAL.
						$^{14}\text{N}(\alpha, \gamma)^{18}\text{F}$ raw thick target yield
6816	MCM Expl J NP/A	288	317	977 1.5+0 1.5+0	Berka+ CURV.	16 KEV THICK. THETA=55.
						$^{14}\text{N}(\alpha, \gamma)^{18}\text{F}$ relative I_γ
6817	MCM Expl J NP/A	288	317	977 1.5+0 1.5+0	Berka+ CURV.	1.081+3.062 G'S. THETA=55
						$^{14}\text{N}(\alpha, \gamma)^{18}\text{F}$ thick target yield
6818	UJV Comp R UJF-4199-B		277	8.0+0 4.5+1	Bem+ NDG.	BUTTERWORTHS, LONDON, 34(1970)
						$^{14}\text{N}(\alpha, \gamma)^{18}\text{F}$ partial relative $\sigma(\text{E})$
6819	TOR Expl J NP/A	327	172	979 2.5+0 2.5+0	Kieser+ CURV.	FROM THICK TARGET YLD.
						$^{14}\text{N}(\alpha, x)$ isotopic distribution $\sigma(\text{E})$
6820	KFK Expl J NC/A	49	235	79 3.3+1 5.1+1	Vidal-Quadras+TBL.	ISOTOPE PROD. A=6-11
						$^{15}\text{N}(\alpha, \text{inelastic})^{15}\text{N}$ partial $\sigma(\text{E})$
6821	SUL Expl J IZV	41	186	77 2.4+1	Feofilov+TBL.	INTAD(20-169 DEG). 13 LVL
	Expl J IZV	41	186	77 1.6+1 2.3+1	Feofilov+ NDG.	
	Expl J BAS	41	153	77 1.6+1 2.4+1	TRANSLATION OF IZV 41(1), 186(1977)	
						$^{15}\text{N}(\alpha, \text{inelastic})^{15}\text{N}$ partial raw $\sigma(\text{E})$
6822	OXF Expl J JP/G	4	411	378 7.9+0 8.4+0	Symons+ CURV.	3.5<EG<5. EG>5. DED. GAMM
						$^{15}\text{N}(\alpha, \text{elastic})^{15}\text{N}$ $\sigma(\text{E})$
6823	SUL Expl J IZV	41	186	77 2.4+1	Feofilov+ 184MB.	INTAD(20-170)
	Expl J IZV	41	186	77 1.6+1 2.3+1	Feofilov+ NDG.	
	Expl J BAS	41	153	77 1.6+1 2.4+1	TRANSLATION OF IZV 41(1), 186(1977)	
						$^{15}\text{N}(\alpha, p)^{18}\text{O}$ partial raw $\sigma(\text{E})$
6824	OXF Expl J JP/G	4	411	378 7.9+0 8.4+0	Symons+ CURV.	3.5<EG<5. EG>5. DED. GAMM

REFERENCES(cont)

No.	Lab	Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
$^{15}\text{N}(\alpha, \gamma)^{18}\text{F}$ partial raw $\sigma(E)$							
6825	MRC	Expt J	NP/A 284	97 777	2.8+0 4.1+0	Dixon+CURV.	3.0 LT E LT 5.5.NA1.55 DEG.
		Expt J	NP/A 284	97 777	2.8+0 4.1+0	Dixon+CURV.	5.5 LT E LT 7.5.NA1.55 DEG.
6826	OXF	Expt J	JP/G 4	411 378	5.3+0 8.4+0	Symons+ CURV.	3.5<EG<5. EG>5. DED. GAMM
$^{15}\text{N}(\alpha, \gamma)^{18}\text{F}$ partial relative $\sigma(E)$							
6827	OXF	Expt J	JP/G 4	411 378	5.2+0 8.4+0	Symons+ CURV.	4.61- AND 6.53-MEV RES.
		Expt J	JP/G 4	411 378	4.6+0	Symons+CURV.	4.612 RES. CFD EXP. TO THE
$^{15}\text{N}(\alpha, \gamma)^{18}\text{F}$ relative $\sigma(E)$							
6828	OXF	Expt J	JP/G 4	411 378	7.2+0 7.6+0	Symons+ CURV.	CFD 016+810 AND 016+A
$O(\alpha, x)n$ $\sigma(E)$							
6829	ORL	Expt J	NSE 71	18 779	3.0+0 8.0+0	Bair+ CURV.	FROM 1973 TTY DATA.
$O(\alpha, x)n$ thick target yield							
6830	GEL	Theo J	AKE 30	59 77	1.5+0 7.0+0	Liskien+ TBL.	FROM SIG+STOP. POWERS.N/A
6831	ORL	Expt J	NSE 71	18 779	3.5+0 8.0+0	Bair+ CURV.	FROM SIG + FROM S102 TTY
$^{18}\text{O}(\alpha, \gamma)^{20}\text{Ne}$ product yield							
6832	MOS	Revw R	PHOTONUCLE 1	78 6.3+0	7.2+0	Varlamov+ NDG.	TBL. 0-180DEG DATA.
$^{16}\text{O}(\alpha, \text{total})$ $\sigma(E)$							
6833	MIN	Theo T	M.T. LEMERE	77 1.6+1	1.9+1	Lemere. RESON. GRP. TREAT.	TBL. CFD EXP
$^{16}\text{O}(\alpha, x)\gamma$ partial $\sigma(E)$							
6834	GSF	Eval J	AJ/S 40	487 779	1.5+1 1.0+3	Ramaty+ CURV.	EG=6.1-6.3 MEV.
		Eval R	NASA-TM-79654	79 1.5+1	1.0+3	SAME AS AJ/S 40, 487(1979).	
$^{16}\text{O}(\alpha, x)\gamma$ $\sigma(E)$							
6835	HAU	Expt P	A-HAU-78	1 778	TR 2.7+1	Bodansky+ NDG.	
$^{16}\text{O}(\alpha, ^3\text{He}+2\alpha)^{18}\text{Be}$ $\sigma(E)$							
6836	KFK	Expt J	NC/A 49	235 79	5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
$^{16}\text{O}(\alpha, \alpha+^7\text{Be})^{18}\text{Be}$ $\sigma(E)$							
6837	KFK	Expt J	NC/A 49	235 79	5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
$^{16}\text{O}(\alpha, 2p+2\alpha)^{18}\text{Be}$ $\sigma(E)$							
6838	KFK	Expt J	NC/A 49	235 79	5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
$^{16}\text{O}(\alpha, p+^8\text{Be})^{18}\text{B}$ $\sigma(E)$							
6839	KFK	Expt J	NC/A 49	235 79	5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
$^{16}\text{O}(\alpha, d+2\alpha)^{18}\text{B}$ $\sigma(E)$							
6840	KFK	Expt J	NC/A 49	235 79	5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
$^{16}\text{O}(\alpha, \alpha+^6\text{Li})^{18}\text{B}$ $\sigma(E)$							
6841	KFK	Expt J	NC/A 49	235 79	5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
$^{16}\text{O}(\alpha, p+2\alpha)^{18}\text{B}$ $\sigma(E)$							
6842	KFK	Expt J	NC/A 49	235 79	3.3+1 5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
$^{16}\text{O}(\alpha, d+^7\text{Be})^{18}\text{B}$ $\sigma(E)$							
6843	KFK	Expt J	NC/A 49	235 79	5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
$^{16}\text{O}(\alpha, p+^7\text{Be})^{18}\text{B}$ $\sigma(E)$							
6844	KFK	Expt J	NC/A 49	235 79	5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
$^{16}\text{O}(\alpha, x)^{11}\text{C}$ $\sigma(E)$							
6845	LPI	Theo J	YF 31	119 80	9.2+2	Dmitriev+ TBL.	DYNAMICAL MODEL. CFD EXP
$^{16}\text{O}(\alpha, x)^{12}\text{C}$ partial $\sigma(E)$							
6846	GSF	Eval J	AJ/S 40	487 779	1.6+1 8.0+1	Ramaty+ CURV.	4.438-MEV GAMMA.
		Eval R	NASA-TM-79654	79 1.6+1	8.0+1	SAME AS AJ/S 40, 487(1979).	
$^{16}\text{O}(\alpha, 2p+^6\text{He})^{12}\text{C}$ $\sigma(E)$							
6847	KFK	Expt J	NC/A 49	235 79	5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL
$^{16}\text{O}(\alpha, p+^7\text{Li})^{12}\text{C}$ $\sigma(E)$							
6848	KFK	Expt J	NC/A 49	235 79	3.3+1 5.1+1	Vidal-Quadras+TBL.	EMUL. KIN. ANAL.+CAL

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{16}\text{O}(\alpha, d+^6\text{Li})^{12}\text{C}$ $\sigma(\text{E})$			
6849	KFK Expt J NC/A	49 235	79 4.3+1	5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL
		$^{16}\text{O}(\alpha, p+^6\text{Li})^{13}\text{C}$ $\sigma(\text{E})$			
6850	KFK Expt J NC/A	49 235	79 4.3+1	5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL
		$^{16}\text{O}(\alpha, x)^{13}\text{N}$ $\sigma(\text{E})$			
6851	LPI Theo J YF	31 119	80 9.2+2		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{16}\text{O}(\alpha, p+^6\text{He})^{13}\text{N}$ $\sigma(\text{E})$			
6852	KFK Expt J NC/A	49 235	79 4.3+1	5.1+1	Vidal-Quadras+TBL. EMUL. KIN. ANAL.+CAL
		$^{16}\text{O}(\alpha, x)^{14}\text{N}$ partial $\sigma(\text{E})$			
6853	GSF Eval J AJ/S	40 487 779	2.4+1	8.0+1	Ramaty+ CURV. EG=5.1-5.3 MEV.
		Eval R NASA-TM-79654	79 2.4+1	8.0+1	. SAME AS AJ/S 40, 487(1979).
		$^{16}\text{O}(\alpha, x)^{15}\text{N}$ partial $\sigma(\text{E})$			
6854	GSF Eval J AJ/S	40 487 779	1.2+1	6.0+1	Ramaty+ CURV. EG=6.92, 7.12, 7.30 MEV.
		Eval J AJ/S	40 487 779	2.4+1	8.0+1 Ramaty+ CURV. EG=5.1-5.3 MEV.
		Eval R NASA-TM-79654	79 2.4+1	8.0+1	. SAME AS AJ/S 40, 487(1979).
		$^{16}\text{O}(\alpha, x)^{15}\text{O}$ $\sigma(\text{E})$			
6855	LPI Theo J YF	31 119	80 9.2+2		Dmitriev+ TBL. DYNAMICAL MODEL. CFD EXP
		$^{16}\text{O}(\alpha, \text{scattering})^{16}\text{O}$ partial $\sigma(\text{E})$			
6856	WIS Expt A BAP	22 552 477	1.8+1	2.0+1	Billen. NDG. A(0)-A(5) GROUPS. INTAD.
		$^{16}\text{O}(\alpha, \text{inelastic})^{16}\text{O}$ partial $\sigma(\text{E})$			
6857	GSF Eval J AJ/S	40 487 779	8.0+0	1.0+3	Ramaty+ CURV. 6.129-MEV GAMMA.
		Eval J AJ/S	40 487 779	9.0+0	2.0+2 Ramaty+ CURV. EG=2.74, 6.92, 7.12, 7.30 MEV.
		Eval R NASA-TM-79654	79 8.0+0	1.0+3	. SAME AS AJ/S 40, 487(1979).
		$^{16}\text{O}(\alpha, \text{inelastic})^{16}\text{O}$ partial raw thick target yield			
6858	HAU Expt J NP/A	277 429 277	9.2+0	9.7+0	Mars+ CURV. EG=6.13 MEV. NAI AT 75 DEG.
		$^{16}\text{O}(\alpha, \text{inelastic})^{16}\text{O}$ partial $\sigma(\text{E})$			
6859	WIS Expt J PR/C	20 1648 N79	1.5+1	2.0+1	Billen+ CURV. INTAD. ALSO LEG. COEF.
		$^{16}\text{O}(\alpha, n+p)^{18}\text{F}$ thick target yield			
6860	UJV Comp R UJF-4199-B	277 2.1+1	4.0+1		Bem+ TBL. 4 REFERENCES.
6861	AML Revv J IRE	26 2281 479	4.0+1		Chaudri. TBL. CFD EXP. TO CALC.
		$^{16}\text{O}(\alpha, n+p)^{18}\text{F}$ product yield			
6862	DAV Expt A ANS	33 224 N79	4.2+1		Lagunas-Solar+ TBL. REVIEW OF PROGRAM.
		$^{16}\text{O}(\alpha, d)^{18}\text{F}$ thick target yield			
6863	UJV Comp R UJF-4199-B	277 2.1+1	4.0+1		Bem+ TBL. 4 REFERENCES.
6864	AML Revv J IRE	26 2281 479	3.0+1		Chaudri. TBL. CFD EXP. TO CALC.
6865	IKO Expt J ARI	30 61 79	3.3+1	5.5+1	Bekker+ S102.
		$^{16}\text{O}(\alpha, 2n)^{18}\text{Ne}$ thick target yield			
6866	UJV Comp R UJF-4199-B	277 2.1+1	4.0+1		Bem+ TBL. 4 REFERENCES.
6867	AML Revv J IRE	26 2281 479	4.0+1	6.5+1	Chaudri. TBL. CFD EXP. TO CALC.
		$^{16}\text{O}(\alpha, n)^{19}\text{Ne}$ $\sigma(\text{E})$			
6868	KLN Exth J ZP/A	283 97 77	TR 2.6+1		Grubbe+CURV. CFD EXP TO HAUSER-FESHBACH
		$^{16}\text{O}(\alpha, \gamma)^{20}\text{Ne}$ partial product yield			
6869	MOS Revv R PHOTONUCLE	1 78 6.9+0	9.7+0		Varlamov+ NDG. TBL. 0-75 DEG DATA.
		$^{16}\text{O}(\alpha, \gamma)^{20}\text{Ne}$ partial raw thick target yield			
6870	HAU Expt J NP/A	277 429 277	6.9+0	7.1+0	Mars+ CURV. 2 GAMMAS. NAI AT 2 DEG.
		$^{16}\text{O}(\alpha, \gamma)^{20}\text{Ne}$ $\sigma(\text{E})$			
6871	ANL Expt P ANL-76-96	86 77	NDG		Elwyn+ NDG. PRELIMINARY. NOT OBS.
6872	CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371 N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
6873	HAU Exth A OA/B	39 2374 N78	NDG		Ebisawa. NDG. NEAR+ABOVE GDR. TESTED OSD
		$^{16}\text{O}(\alpha, \gamma)^{20}\text{Ne}$ partial raw $\sigma(\text{E})$			
6874	HAU Expt P A-WAU-78	33 778 6.8+0	7.2+0		Snover+ CURV. G1 AT 55 DEG.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
¹⁶ O(α,γ) ²⁰ Ne partial thick target yield					
6875	WAW Expl A BAP	23	501	478 1.6+0	Snoover+1.42E-10+/-3.9% G/A. TA205 TARGET
¹⁶ O(α,x)isotopic distribution σ(E)					
6876	KFK Expl J NC/A	49	235	79 3.3+1 5.1+1	Vidal-Quadras+TBL. ISOTOPE PROD. A=6-11
¹⁷ O(α,x)n σ(E)					
6877	ORL Expl J PR/C	7	1356	373 1.0+0 1.9+0	Bair+ CURV. 15.7% 170.5% 180. 2 TRGTS.
	Expl J PR/C	7	1356	373 1.0+0 5.4+0	Bair+ CURV. DRIVE-IN TARGET.
	Expl J PR/C	7	1356	373 1.9+0 2.8+0	Bair+ CURV. 15.7% 170.5% 180. 1 TRGT.
¹⁷ O(α,n) ²⁰ Ne σ(E)					
6878	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
6879	ORL Expl P ORNL-5306		105	677 3.0+0 9.0+0	Bair+ NDG.
6880	ORL Expl J NSE	71	18	779 4.6+0 4.8+0	Bair+ NEW MEAS. 1.35X 1962, 1973 DATA.
¹⁷ O(α,γ) ²¹ Ne σ(E)					
6881	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
¹⁸ O(α,x)n σ(E)					
6882	ORL Expl J PR/C	7	1356	373 1.0+0 1.9+0	Bair+ CURV. 15.7% 170.5% 180. 2 TRGTS.
	Expl J PR/C	7	1356	373 1.0+0 1.9+0	Bair+ CURV. 97% 180. 6 KEV AT EA=2.5MEV
	Expl J PR/C	7	1356	373 1.0+0 2.5+0	Bair+ CURV. 97% 180. 13KEV AT EA=2.5MEV
	Expl J PR/C	7	1356	373 1.9+0 2.8+0	Bair+ CURV. 15.7% 170.5% 180. 1 TRGT.
¹⁸ O(α,n) ²¹ Ne partial raw thick target yield x abundance					
6883	SUN Expl J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
	Expl J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
¹⁸ O(α,n) ²¹ Ne σ(E)					
6884	ORL Expl J PR/C	7	1356	373 1.0+0 2.5+0	Bair+ CURV. 97% 180. 13KEV AT EA=2.5MEV
	Expl J PR/C	7	1356	373 1.0+0 1.9+0	Bair+ CURV. 97% 180. 6 KEV AT EA=2.5MEV
6885	ORL Expl J PR	128	299	062 2.4+0 2.8+0	Bair+ CURV. 97% 180. 2 KEV AT EA=2.5MEV
	Expl J PR	128	299	062 2.4+0 5.0+0	Bair+ CURV. 97% 180. 6 KEV AT EA=2.5MEV
6886	ORL Expl P ORNL-5306		105	677 3.0+0 9.0+0	Bair+ NDG.
6887	ORL Expl J NSE	71	18	779 4.6+0 4.8+0	Bair+ NEW MEAS. 1.35X 1962, 1973 DATA.
¹⁸ O(α,n) ²¹ Ne partial σ(E)					
6888	AML Expl J PR/C	16	1264	977 TR	6.5+0 Swilkowski+ CURV. N3,N4 GROUPS. 50% O18
¹⁸ O(α,n) ²¹ Ne I _γ					
6889	CRC Expl A BAP	23	520	478 2.7+0 5.0+0	Mc-Donald+ NDG. 2789-, 2796-KEV LEVELS.
¹⁸ O(α,γ) ²² Ne partial raw σ(E)					
6890	IFS Expl J NP/A	297	489	378 6.0-1 2.3+0	Trautvetter+ CURV. ALSO DED. RES. PROP.
¹⁸ O(α,γ) ²² Ne σ(E) x factor					
6891	IFS Expl J NP/A	297	489	78 0.0+0 2.6+0	Trautvetter+CURV.S-FCT. FRM DED. STRENG
6892	MST Revw J ARN	28	115	078 0.0+0 2.5+0	Rolfs+ CURV. S-FACTOR. NP/A 297, 489.
¹⁸ O(α,γ) ²² Ne σ(E)					
6893	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
¹⁸ O(α,n) ²² Ne σ(E)					
6894	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
¹⁸ O(α,γ) ²³ Ne σ(E)					
6895	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
²⁰ F(α,x)n thick target yield					
6896	ORL Expl J NSE	71	18	779 3.0+0 8.0+0	Bair+ CURV. S102 TRGT. N/10E6 A.
	Expl J NSE	71	18	779 2.5+0 5.2+0	Bair+ CURV. CALC. FRM REVISED SIGMAS.
6897	HAR Theo P NEANDC(E)-2028	479	4.0+0	5.0+0	Hooten+ TBL. 4 CMP. P. 62.
	Theo P UKNDC-P-94	62	479	4.0+0 5.0+0	. SAME AS NEANDC(E)-202. VOL. 8
	Theo P INDC(UK)-31	62	479	4.0+0 5.0+0	. SAME AS NEANDC(E)-202. VOL. 8
	Theo P AERE-PR/NP-26	379	4.0+0	5.0+0	Hooten+ TBL. EXACT+APP. 4 CMPS. P. 47

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{17}\text{F}(\alpha, p)^{20}\text{Ne}$ $\sigma(E)$			
6898	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{17}\text{F}(\alpha, y)^{21}\text{Na}$ $\sigma(E)$			
6899	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{18}\text{F}(\alpha, p)^{21}\text{Ne}$ $\sigma(E)$			
6900	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{18}\text{F}(\alpha, y)^{22}\text{Na}$ $\sigma(E)$			
6901	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{18}\text{F}(\alpha, x)n$ thick target yield			
6902	ORL Expt J NSE	71	18	779 3.5+0	7.5+0 Bair+ TBL. CURV. FROM PBF+ZNF MEAS.
6903	HAR Expt P UKNDC-P-88	62	678	7.5+0	West+ NDG. VDGT.
		$^{18}\text{F}(\alpha, x)^{18}\text{F}$ cumulative? thick target yield			
6904	UJV Comp R UJF-4199-B		277	2.1+1	4.0+1 Bem+ TBL.
		$^{18}\text{F}(\alpha, \text{inelastic})^{18}\text{F}$ partial raw thick target yield+abundance			
6905	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
		$^{18}\text{F}(\alpha, t)^{20}\text{Ne}$ partial $\sigma(E)$			
6906	MOS Expt J NP/A 298		206	478 2.5+1	Lebedev+ TBL. T0-T2 GRPS. INTAD(15-170)
		$^{18}\text{F}(\alpha, p)^{22}\text{Ne}$ partial raw thick target yield+abundance			
6907	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
		$^{18}\text{F}(\alpha, p)^{22}\text{Ne}$ partial relative $\sigma(E)$			
6908	OTC Expt J NP/A 284		189	777 2.3+0	4.7+0 Van-Der-Zwan+ CURV. 1.27 MEV.
		$^{18}\text{F}(\alpha, p)^{22}\text{Ne}$ $\sigma(E)$			
6909	CAL theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{18}\text{F}(\alpha, n)^{22}\text{Na}$ partial raw thick target yield+abundance			
6910	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
		$^{18}\text{F}(\alpha, n)^{22}\text{Na}$ partial $\sigma(E)$			
6911	OTC Expt J NP/A 284		189	777 2.7+0	3.8+0 Van-Der-Zwan+ TBL. INTAD. ND.
		$^{18}\text{F}(\alpha, n)^{22}\text{Na}$ $\sigma(E)$			
6912	TRM Expt P INDC(SEC)-50		176	2.6+0	5.1+0 Balskrishnan+ NDG. 5 KEV STEPS. P. 139
		$^{18}\text{F}(\alpha, y)^{23}\text{Na}$ $\sigma(E)$			
6913	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{20}\text{F}(\alpha, p)^{23}\text{Ne}$ $\sigma(E)$			
6914	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{20}\text{F}(\alpha, n)^{23}\text{Na}$ $\sigma(E)$			
6915	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{20}\text{F}(\alpha, y)^{24}\text{Na}$ $\sigma(E)$			
6916	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{21}\text{F}(\alpha, p)^{24}\text{Ne}$ $\sigma(E)$			
6917	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{21}\text{F}(\alpha, n)^{24}\text{Na}$ $\sigma(E)$			
6918	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab	Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
Ne(a,x)n thick target yield						
6919	GEL	Theo J AKE	30	59	77 1.9+0 5.1+0	Liskien+ TBL. FROM SIG+STOP. POWERS.N/A
Ne(a,x) ¹⁰ F cumulative thick target yield						
6920	BNL	Expt J ARI	29	175	570 1.5+1	Lambrechi+ 1.2+-0.1MC1/MUAMP-HR. 22MEV.
²⁰ Ne(a,totals) σ(E)						
6921	1J1	Revw J FCY	6	827	75 2.0+0 4.5+1	Nemets+ CURV.
		Revw J SJPN	6	325	76 2.0+0 4.5+1	. TRANSLATION OF FCY 6.(4),827(75).
²⁰ Ne(a,x)γ σ(E)						
6922	WAU	Expt P A-WAU-78		1	778 TR	2.7+1 Bodansky+ NDG.
6923	GSF	Eval J AJ/S	40	487	779 8.0+0 1.2+3	Ramaty+ CURV.
		Eval R NASA-TM-79654		79	8.0+0 1.2+3	. SAME AS AJ/S 40, 487(1979).
²⁰ Ne(a, ¹² C) ¹² C partial σ(E)						
6924	WIS	Expt A BAP	24	817	979 1.3+1 2.1+1	Davis. NDG. EVEN J+. INTAD.
²⁰ Ne(a,inelastic) ²⁰ Ne partial σ(E) _y						
6925	WIS	Expt A BAP	23	593	478 5.7+0 1.1+1	Davis+ NDG. LEG. POLY. EXP.
6926	GSF	Eval J AJ/S	40	487	779 8.0+0 1.2+2	Ramaty+ CURV. EG=1.63+ MEV.
		Eval R NASA-TM-79654		79	8.0+0 1.2+2	. SAME AS AJ/S 40, 487(1979).
²⁰ Ne(a,inelastic) ²⁰ Ne partial raw σ(E) _y						
6927	OXF	Expt J NP/A	309	77	078 2.7+0 5.8+0	Fifield+ CURV.
		Expt J NP/A	322	1	679 2.7+0 6.0+0	Fifield+ SEE NP/A 309, 77(1978).
²⁰ Ne(a,p) ²³ Ne σ(E)						
6928	CAL	Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
²⁰ Ne(a,n) ²³ Mg σ(E)						
6929	CAL	Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
6930	KLN	Ext h J ZP/A	283	97	77 TR	3.1+1 Grubbe+CURV. CFD EXP TO HAUSER-FESHBACH
²⁰ Ne(a,γ) ²⁴ Mg partial raw σ(E)						
6931	OXF	Expt J NP/A	309	77	078 3.0+0 6.0+0	Fifield+CURV.DIFF. PUMPED TRGT.THET=125
		Expt J NP/A	309	77	078 5.8+0 5.8+0	Fifield+ CURV. NEAR 14.153 LVL.
		Expt J NP/A	322	1	679 2.7+0 6.0+0	Fifield+ SEE NP/A 309, 77(1978).
		Expt C 770KY0		205	977 NDG	Fifield+ NDG. DEDUCED WIDTHS
		Expt J PL/B	69	45	777 5.8+0 5.8+0	Fifield+ CURV. 3.4-3.7,4.0-4.7,8.7-10.5
²⁰ Ne(a,γ) ²⁴ Mg σ(E)						
6932	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
²¹ Ne(a,p) ²⁴ Ne σ(E)						
6933	CAL	Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
²¹ Ne(a,n) ²⁴ Mg σ(E)						
6934	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
²¹ Ne(a,γ) ²⁵ Mg σ(E)						
6935	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
²² Ne(a,p) ²⁵ Na σ(E)						
6936	CAL	Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
²² Ne(a,n) ²⁵ Mg σ(E)						
6937	CAL	Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
²² Ne(a,γ) ²⁶ Mg σ(E)						
6938	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.

REFERENCES (cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{23}\text{Ne}(\alpha, n)^{26}\text{Mg}$ $\sigma(E)$					
6939	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{23}\text{Ne}(\alpha, \gamma)^{27}\text{Mg}$ $\sigma(E)$					
6940	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{24}\text{Ne}(\alpha, n)^{27}\text{Mg}$ $\sigma(E)$					
6941	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{24}\text{Ne}(\alpha, \gamma)^{28}\text{Mg}$ $\sigma(E)$					
6942	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{21}\text{Na}(\alpha, p)^{24}\text{Mg}$ $\sigma(E)$					
6943	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{21}\text{Na}(\alpha, \gamma)^{25}\text{Al}$ $\sigma(E)$					
6944	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{22}\text{Na}(\alpha, p)^{25}\text{Mg}$ $\sigma(E)$					
6945	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{22}\text{Na}(\alpha, \gamma)^{26}\text{Al}$ $\sigma(E)$					
6946	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{23}\text{Na}(\alpha, n+2\alpha)^{18}\text{F}$ thick target yield					
6947	UJF Comp R UJF-4199-B		277	2.5+1 4.4+1	Bem+ NDG. BUTTERWORTHS, LONDON, 341 (1970)
$^{23}\text{Na}(\alpha, \text{inelastic})^{23}\text{Na}$ partial raw thick target yield					
6948	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
$^{23}\text{Na}(\alpha, p)^{26}\text{Mg}$ partial raw thick target yield					
6949	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
$^{23}\text{Na}(\alpha, p)^{26}\text{Mg}$ $\sigma(E)$					
6950	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR 1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
$^{23}\text{Na}(\alpha, n)^{26}\text{Al}$ partial raw thick target yield					
6951	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
$^{23}\text{Na}(\alpha, n)^{26}\text{Al}$ $\sigma(E)$					
6952	CAL Theo R OAP-422		875	TR 1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
$^{23}\text{Na}(\alpha, \gamma)^{27}\text{Al}$ $\sigma(E)$					
6953	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR 1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
$^{24}\text{Na}(\alpha, p)^{27}\text{Mg}$ $\sigma(E)$					
6954	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{24}\text{Na}(\alpha, n)^{27}\text{Al}$ $\sigma(E)$					
6955	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{24}\text{Na}(\alpha, \gamma)^{28}\text{Al}$ $\sigma(E)$					
6956	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{25}\text{Na}(\alpha, p)^{28}\text{Mg}$ $\sigma(E)$					
6957	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{25}\text{Na}(\alpha, p)^{28}\text{Mg}$ $\sigma(E)$				
6957 CAL Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{25}\text{Na}(\alpha, n)^{28}\text{Al}$ $\sigma(E)$				
6958 CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Thon J. AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{25}\text{Na}(\alpha, \gamma)^{28}\text{Al}$ $\sigma(E)$				
6959 CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{26}\text{Na}(\alpha, p)^{29}\text{Mg}$ $\sigma(E)$				
6960 CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{26}\text{Na}(\alpha, n)^{29}\text{Al}$ $\sigma(E)$				
6961 CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{26}\text{Na}(\alpha, \gamma)^{30}\text{Al}$ $\sigma(E)$				
6962 CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{39}\text{K}(\alpha, x)^{39}\text{K}$ product yield				
6963 USA Expl A JLCR	16 127 79 1.5+1			Tilbury+ (0.58+-0.17)MC1/MUA. CS-15 CYC
$^{39}\text{K}(\alpha, x)^{39}\text{K}$ thick target yield				
6964 USA Expl A JLCR	16 127 79 1.5+1			Tilbury+ APP. 1.6MC1/MUA. CS-15 CYCLO.
$\text{Mg}(\alpha, x)\gamma$ thick target yield				
6965 CCP Expl R YK- 21	73 76 4.6+1			Matusevich+ CURV. TBL. THETA = 0 DEG.
Expl R INDC(CCP)-103	577 4.6+1			. TRANSLATION OF T. OF C. (YK 21,73(1976))
$\text{Mg}(\alpha, x)n$ thick target yield				
6966 GEL Theo J AKE	30 59 77 3.0+0 5.0+0			Liskient+ TBL. FROM SIG+STOP. POWERS.N/A
6967 HAR Expl P NEANDC(E)-2028	479 3.6+0 1.0+1			West+ CURV. POLY MODERATOR. P. 57.
Expl P INDC(UK)-31	57 479 3.6+0 1.0+1			. SAME AS NEANDC(E)-202. VOL. 8
Expl P UKNDC-P-94	57 479 3.6+0 1.0+1			. SAME AS NEANDC(E)-202. VOL. 8.
Expl P AERE-PR/NP-26	379 3.0+0 1.0+1			West+ CURV. POLYETHYLENE MOD. P. 42.
Expl C 78HARWEL	612 78 3.1+0 8.0+0			West+ CURV. 9 LONG 3HE-AR-METHANE COUN
6968 ORL Expl J NSE	71 18 779 4.0+0 9.0+0			Bair+ TBL. CURV. NO EFFICIENCY CORRECTION
$\text{Mg}(\alpha, x)^3\text{H}$ thick target yield				
6969 DRK Expl J PR	120 1354 60 4.8+1			Gonzalez-Vidal+ TBL. FROM STACKED FOILS
Expl J PR	107 1311 57 4.8+1			. SOME EXPERIMENTAL DETAILS.
Expl 4 EXFORB0080.021	078 4.8+1			. (7.66+-10PERCENT)MB.
6970 KFK Comp B PH-DAT	15 2 079 4.8+1			Muenzel+ TBL. FROM EXFOR
$\text{Mg}(\alpha, x)^3\text{H}$ product yield				
6971 KFK Comp B PH-DAT	15 2 079 2.4+1			Muenzel+ TBL. FROM EXFOR.
6972 BRK Expl J PR	120 1354 60 4.8+1			Gonzalez-Vidal+ TBL. FROM STACKED FOILS
Expl J PR	107 1311 57 4.8+1			. SOME EXPERIMENTAL DETAILS.
Expl 4 EXFORB0080.021	078 4.8+1			. (3.35E-5+-10PERCENT)1/INCIDENT A.
$\text{Mg}(\alpha, x)^{28}\text{Mg}$ thick target yield*factor				
6973 FEI Expl J AE	46 185 79 2.7+1 4.4+1			Omlitiev+ CURV. TBL.
$\text{Mg}(\alpha, x)^{28}\text{Mg}$ thick target yield				
6974 JUL Revu J JRC	30 53 76 4.4+1			Weinreich+ TBL.
$^{24}\text{Mg}(\alpha, \text{absorption})$ partial $\sigma(E)$				
6975 UJK Exth J NP/A	277 15 277 2.6+1			Zybert+ CURV. L-TRANS. O.M.
$^{24}\text{Mg}(\alpha, x)\gamma$ $\sigma(E)$				
6976 WAU Expl P A-AU-78	1 778 TR 2.7+1			Bodansky+ NDG.
6977 GSF Eval J AJ/S	40 487 779 8.0+0 2.4+3			Ramaty+ CURV.
Eval R NASA-TM-79654	79 8.0+0 2.4+3			. SAME AS AJ/S 40, 487(1979).
$^{24}\text{Mg}(\alpha, \text{inelastic})^{24}\text{Mg}$ partial $\sigma(E)$				
6978 GSF Eval J AJ/S	40 487 779 8.0+0 4.0+1			Ramaty+ CURV. EG=1.639 MEV.
Eval R NASA-TM-79654	79 8.0+0 4.0+1			. SAME AS AJ/S 40, 487(1979).

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min}	E _{max}	Author.	Comments
		Type		(MeV)	(MeV)		
$^{24}\text{Mg}(\alpha, \text{inelastic})^{24}\text{Mg}$ partial raw $\sigma(E)$							
6979	UTR	Expt J NP/A	301	213 578	3.2+0 3.8+0	Maas+	CURV. AI GROUP
$^{24}\text{Mg}(\alpha, p)^{27}\text{Al}$ partial raw thick target yield $\times$ abundance							
6980	SUN	Expt J JRC	50	307 79	5.0+0	Giles+	TBL. SURVEY OF PROMPT GS.
$^{24}\text{Mg}(\alpha, p)^{27}\text{Al}$ partial raw $\sigma(E)$							
6981	UTR	Expt J NP/A	301	213 578	3.2+0 3.8+0	Maas+	CURV. P1 AND P2. DETECTED GS.
$^{24}\text{Mg}(\alpha, p)^{27}\text{Al}$ $\sigma(E)$							
6982	CAL	Theo R OAP-422		875 TR		1.2+1 Woosley+	CURV. HAUSER-FESHBACH.
$^{24}\text{Mg}(\alpha, n)^{27}\text{Si}$ $\sigma(E)$							
6983	CAL	Theo R OAP-422		875 TR		1.2+1 Woosley+	CURV. HAUSER-FESHBACH.
6984	KLN	Ext h J ZP/A	283	97 77	TR	2.7+1 Grubler+	CURV. CFD EXP TO HAUSER-FESHBACH
6985	BIR	Expt J NP/A	288	242 977	8.4+0	1.3+1 Blyth+	CURV. ACT. SEP. ISOTOPE.
$^{24}\text{Mg}(\alpha, \gamma)^{28}\text{Si}$ partial raw $\sigma(E)$							
6986	UTR	Expt J NP/A	301	213 578	3.2+0 3.8+0	Maas+	CURV. EG .GT. 3.8MEV
		Expt J NP/A	301	213 578	2.9+0 2.9+0	Maas+	CURV. EG .GT. 4MEV. 2866KEV RES.
$^{24}\text{Mg}(\alpha, \gamma)^{28}\text{Si}$ $\sigma(E)$							
6987	CAL	Theo J AND	22	371 N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875 TR		1.2+1 Woosley+	CURV. HAUSER-FESHBACH.
$^{25}\text{Mg}(\alpha, \text{inelastic})^{25}\text{Mg}$ partial raw thick target yield $\times$ abundance							
6988	SUN	Expt J JRC	50	307 79	5.0+0	Giles+	TBL. SURVEY OF PROMPT GS.
$^{25}\text{Mg}(\alpha, p)^{28}\text{Al}$ $\sigma(E)$							
6989	CAL	Theo R OAP-422		875 TR		1.2+1 Woosley+	CURV. HAUSER-FESHBACH.
$^{25}\text{Mg}(\alpha, p)^{28}\text{Al}$ thick target yield							
6990	CLU	Expt A BAP	24	847 979	TR	+1 Roughlon+	NDG. EXTR. REACT. RATES.
$^{25}\text{Mg}(\alpha, n)^{28}\text{Si}$ partial raw thick target yield $\times$ abundance							
6991	SUN	Expt J JRC	50	307 79	5.0+0	Giles+	TBL. SURVEY OF PROMPT GS.
$^{25}\text{Mg}(\alpha, n)^{28}\text{Si}$ $\sigma(E)$							
6992	CAL	Theo J AND	22	371 N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875 TR		1.2+1 Woosley+	CURV. HAUSER-FESHBACH.
6993	KTY	Expt P DOE-NDC-12	97	478	NDG	Flynn+	NDG. TO BE DONE.
6994	LAS	Theo P LA- 7301-PR	5	678 TR		5.5+0 Foster+	NDG. GNASH CODE.
$^{25}\text{Mg}(\alpha, \gamma)^{28}\text{Si}$ $\sigma(E)$							
6995	CAL	Theo J AND	22	371 N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875 TR		1.2+1 Woosley+	CURV. HAUSER-FESHBACH.
$^{26}\text{Mg}(\alpha, x)^{24}\text{Na}$ thick target yield							
6996	FEI	Expt J AE	46	185 78	2.7+1 4.4+1	Dmitriev+	NDG. SIGNIFICANT AMOUNT.
		Expt J SJA	46	216 78	2.7+1 4.4+1		. TRANSLATION OF AE 46(3), 185.
$^{26}\text{Mg}(\alpha, 2p)^{28}\text{Mg}$ $\sigma(E)$							
6997	JUL	Revw C 78HARWEL	667	78	2.0+1 1.6+2	Stocklin+	CURV. FROM ARI 27, 431
		Comp J NIM	146	301 077	2.0+1 1.6+2	Schult.	CURV. ARI 27, 431(1976)
		Expt J ARI	27	431 76	1.5+1 1.5+2	Probst+	CURV. STACKED-FOILS.
		Expt C 75ZUER1	457	75	2.0+1 1.6+2	Weinreich+	CURV.
$^{26}\text{Mg}(\alpha, 2p)^{28}\text{Mg}$ thick target yield							
6998	JUL	Comp J NIM	146	301 077	NDG	Schult.	MAX. YLD.=300CI/A-H
		Revw J JRC	30	53 76	1.1+2	Weinreich+	TBL.
		Expt J ARI	27	431 76	4.0+1 1.1+2	Probst+	TBL. REV. OF PREV. WORK.
		Expt J ARI	27	431 76	1.4+2	Probst+	TBL. FRM STACKED-FOILS.
6999	FCI	Expt J AE	46	185 78	2.7+1 4.4+1	Dmitriev+	TBL. CURV. 18.5 MG/CM2.
		Expt J SJA	46	216 78	2.7+1 4.4+1		. TRANSLATION OF AE 46(3), 185.
$^{26}\text{Mg}(\alpha, p)^{28}\text{Al}$ $\sigma(E)$							
7000	CAL	Theo R OAP-422		875 TR		1.1+1 Woosley+	CURV. HAUSER-FESHBACH.
7001	JUL	Expt J ARI	27	431 76	1.0+1 8.0+1	Probst+	CURV. STACKED-FOILS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{26}\text{Mg}(\alpha, p)^{29}\text{Al}$ thick target yield					
7002	CLU Expt A	BAP 24	847	979	TR +1 Roughen+ NDG. EXTR. REACT. RATES.
$^{26}\text{Mg}(\alpha, n)^{29}\text{Si}$ partial raw thick target yield*abundance					
7003	SUN Expt J	JRC 50	307	79	5.0+0 Giles+ TBL. SURVEY OF PROMPT GS.
$^{26}\text{Mg}(\alpha, n)^{29}\text{Si}$ $\sigma(E)$					
7004	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R	OAP-422	875	TR	1.1+1 Woosley+ CURV. HAUSER-FESHBACH.
7005	KTY Expt P	DOE-NDC-12	97	478	NDG Flynn+ NDG. TO BE DONE.
7006	LAS Theo P	LA- 7301-PR	5	678	TR 5.5+0 Foster+ NDG. GNASH CODE.
7007	ORL Expt J	PR 128	299	062	3.1+0 5.4+0 Bair+ CURV.
$^{26}\text{Mg}(\alpha, \gamma)^{30}\text{Si}$ $\sigma(E)$					
7008	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R	OAP-422	875	TR	1.1+1 Woosley+ CURV. HAUSER-FESHBACH.
$^{27}\text{Mg}(\alpha, n)^{30}\text{Si}$ $\sigma(E)$					
7009	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{27}\text{Mg}(\alpha, \gamma)^{31}\text{Si}$ $\sigma(E)$					
7010	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{28}\text{Mg}(\alpha, \gamma)^{32}\text{Si}$ $\sigma(E)$					
7011	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{28}\text{Al}(\alpha, p)^{29}\text{Si}$ $\sigma(E)$					
7012	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{28}\text{Al}(\alpha, \gamma)^{29}\text{P}$ $\sigma(E)$					
7013	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{28}\text{Al}(\alpha, p)^{29}\text{Si}$ $\sigma(E)$					
7014	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{28}\text{Al}(\alpha, \gamma)^{30}\text{P}$ $\sigma(E)$					
7015	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{27}\text{Al}(\alpha, x)$ partial $\sigma(E)$					
7016	MRY Expt J	PR/C 20	1284	079	8.0+1 1.6+2 Wu+ TBL. SUM OF CP BREAK-UP.
$^{27}\text{Al}(\alpha, x)$ partial $\sigma(E)$ =factor					
7017	MRY Expt J	PR/C 20	1284	079	8.0+1 1.6+2 Wu+ TBL. RATIO TO TOTAL AND GEOMETRIC.
$^{27}\text{Al}(\alpha, \text{total})$ $\sigma(E)$					
7018	IJI Revw J	FCY 6	827	75	2.6+1 Nemets+ TBL.
	Revw J	SJPN 6	325	76	2.6+1 . TRANSLATION OF FCY 6,(4),827(1975).
7019	MRY Expt J	PR/C 20	1284	079	8.0+1 1.6+2 Wu+ TBL. ALSO GEOMETRIC.
$^{27}\text{Al}(\alpha, \text{total})$ partial $\sigma(E)$ =factor					
7020	MRY Expt J	PR/C 20	1284	079	8.0+1 1.6+2 Wu+ TBL. RATIO PARTIAL TO TOTAL.
$^{27}\text{Al}(\alpha, x)\gamma$ thick target yield					
7021	CCP Expt R	YK- 21	73	76	4.6+1 Matusevich+ CURV. TBL. THETA = 0 DEG.
	Expt R	INDC(CCP)-103	577	4.6+1	.TRANSLATION OF T. OF C.(YK 21,73(1976))
$^{27}\text{Al}(\alpha, xn)$ thick target yield					
7022	GEL Theo J	AKE 30	59	77	3.3+0 7.0+0 Liskien+ TBL. FROM SIG+STOP. POWERS.N/A
7023	ORL Expt J	NSE 71	18	779	3.5+0 9.0+0 Bair+ TBL. CURV. NO EFFICIENCY CORRECTION
7024	HAR Expt P	NEANDC(E)-202B	479	3.8+0	1.0+1 West+ CURV. POLY MODERATOR. P. 57.
	Expt P	INDC(UK)-31	57	479	3.8+0 1.0+1 . SAME AS NEANDC(E)-202, VOL. 8
	Expt P	UKNDC-P-94	57	479	3.8+0 1.0+1 . SAME AS NEANDC(E)-202, VOL. 8.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		²⁷ Al(α,x)n thick target yield			
7024	HAR Expt P	AERE-PR/NP-26	379	3.5+0 1.0+1	West+ CURV. POLYETHYLENE MOD. P. 42.
	Expt C	78HARWEL	612 78	4.7+0 8.0+0	West+ CURV. 9 LONG 3HE-AR-METHANE COLUMN
		²⁷ Al(α,x) ¹ H σ(E)			
7025	MRY Expt J	PR/C 20	1284 079	8.0+1 1.6+2	Wu+ TBL. ESTIMATED FROM DA/DE.
		²⁷ Al(α,x) ¹ H σ(E)=factor			
7026	MRY Expt J	PR/C 20	1284 079	8.0+1 1.6+2	Wu+ TBL. RATIO TO TOTAL AND GEOMETRIC.
		²⁷ Al(α,x) ² H σ(E)			
7027	MRY Expt J	PR/C 20	1284 079	8.0+1 1.6+2	Wu+ TBL. ESTIMATED FROM DA/DE.
		²⁷ Al(α,x) ² H σ(E)=factor			
7028	MRY Expt J	PR/C 20	1284 079	8.0+1 1.6+2	Wu+ TBL. RATIO TO TOTAL AND GEOMETRIC.
		²⁷ Al(α,x) ³ H thick target yield			
7029	THD Expt P	NEANDC(E)-1925	478 TR	5.0+1	Merkel+ NDG. P 68.
7030	BRK Expt J	PR 120	1354 60	4.8+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J	PR 107	1311 57	4.8+1	. SOME EXPERIMENTAL DETAILS.
	Expt 4	EXFORB0080.022	D78	4.8+1	. (14.40+-10PERCENT)MB.
7031	KFK Comp B	PH-DAT 15	2 D79	4.8+1	Muenzel+ TBL. FROM EXFOR.
		²⁷ Al(α,x) ³ H product yield			
7032	KFK Expt J	NP/A 333	173 180	2.0+1 4.8+1	Merkel+ TBL. T PER D. STOPPED ALL T.
7033	BRK Expt J	PR 120	1354 60	4.8+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J	PR 107	1311 57	4.8+1	. SOME EXPERIMENTAL DETAILS.
	Expt 4	EXFORB0080.022	D78	4.8+1	. (7.04E-5+-10PERCENT)T/INCIDENT A.
7034	KFK Comp B	PH-DAT 15	2 D79	4.8+1	Muenzel+ TBL. FROM EXFOR.
		²⁷ Al(α,x) ³ H average σ(E)			
7035	KFK Expt J	NP/A 333	173 180	1.1+1 4.8+1	Merkel+ TBL. 5 ENERGY GROUPS.
	Expt P	NEANDC(E)-1925	478	1.2+1 5.0+1	Merkel+ CURV. FRM TTY P 68.
		²⁷ Al(α,x) ³ H σ(E)			
7036	KFK Expt J	NP/A 333	173 180	1.2+1 5.0+1	Merkel+ CURV. THEORY CFD MEAN SIGMA.
7037	MRY Expt J	PR/C 20	1284 079	8.0+1 1.6+2	Wu+ TBL. ESTIMATED FROM DA/DE.
		²⁷ Al(α,x) ³ H σ(E)=factor			
7038	MRY Expt J	PR/C 20	1284 079	8.0+1 1.6+2	Wu+ TBL. RATIO TO TOTAL AND GEOMETRIC.
		²⁷ Al(α,x) ³ He σ(E)			
7039	MRY Expt J	PR/C 20	1284 079	8.0+1 1.6+2	Wu+ TBL. ESTIMATED FROM DA/DE.
		²⁷ Al(α,x) ³ He σ(E)=factor			
7040	MRY Expt J	PR/C 20	1284 079	8.0+1 1.6+2	Wu+ TBL. RATIO TO TOTAL AND GEOMETRIC.
		²⁷ Al(α,x) ⁷ Be σ(E)			
7041	JUL Revv C	78HARWEL	667 78	5.0+1 1.6+2	Stocklin+ CURV. FROM ARI 27, 431
	Expt J	ARI 27	431 76	6.0+1 1.6+2	Probst+ CURV. STACKED FOIL METHOD.
	Expt C	75ZUERI	457 75	4.0+1 1.6+2	Weinreich+ CURV.
		²⁷ Al(α,x) ⁷ Be thick target yield			
7042	JUL Expt J	ARI 27	431 76	3.8+1 1.6+2	Probst+ CURV. CALC. FROM SIG(E).
		²⁷ Al(α,x) ²² Na σ(E)			
7043	JUL Revv C	78HARWEL	667 78	2.0+1 1.6+2	Stocklin+ CURV. FROM ARI 27, 431
	Expt J	ARI 27	431 76	5.1+1 1.5+2	Probst+ TBL. NORMALIZED. (2P 233 170 70)
	Expt J	ARI 27	431 76	3.0+1 1.6+2	Probst+ CURV. STACKED FOIL METHOD.
	Expt C	75ZUERI	457 75	2.0+1 1.6+2	Weinreich+ CURV.
		²⁷ Al(α,x) ²² Na thick target yield			
7044	JUL Expt J	ARI 27	431 76	2.9+1 1.6+2	Probst+ CURV. CALC. FROM SIG(E).
		²⁷ Al(α,n+2α) ²² Na σ(E)			
7045	KFK Comp B	PH-DAT 15	1 079	4.6+1 1.2+2	Muenzel+ TBL. FROM EXFOR.
7046	ROC Exth J	NP/A 131	513 69	4.6+1 1.2+2	Bowmann+ CURV. ACTIV. AT BRK, ORL.
	Exth 4	EXFORB0009.010	076	4.6+1 1.2+2	. 37 DATA POINTS.
		²⁷ Al(α,5n+4p) ²² Na σ(E)			
7047	JUL Revv H	PREPRINT	978	2.0+1 1.6+2	Stocklin+ CURV. ARI 27, 431

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
$^{27}\text{Al}(\alpha, 5n+4p)^{22}\text{Na}$ $\sigma(E)$					
7047 JUL Revv W PREPRINT		678	2.0+1	1.6+2 Oaim+	CURV. ARI 27, 431
$^{27}\text{Al}(\alpha, x)^{24}\text{Na}$ $\sigma(E)$					
7048 JUL Revv C 78HARWEL	667	78	2.0+1	1.6+2 Stocklin+	CURV. FROM ARI 27, 431
Expt J ARI 27	431	76	5.1+1	1.5+2 Probst+	TBL. NORMALIZED. (ZP 233 170,70)
Expt J ARI 27	431	76	3.0+1	1.6+2 Probst+	CURV. STACKED FOIL METHOD.
Expt C 75ZUERI	457	75	2.0+1	1.6+2 Weinreich+	CURV.
$^{27}\text{Al}(\alpha, x)^{24}\text{Na}$ thick target yield					
7049 JUL Expt J ARI 27	431	76	2.0+1	1.6+2 Probst+	CURV. CALC. FROM SIG(E).
7050 FEI Expt J AE 46	185	78	3.8+1	4.4+1 Dmitriev+	NDG. SIGNIFICANT AMOUNT.
Expt J SJA 46	216	78	3.8+1	4.4+1	TRANSLATION OF AE 46(3), 185.
$^{27}\text{Al}(\alpha, n+2p+\alpha)^{24}\text{Na}$ including metastable $\sigma(E)$					
7051 KFK Comp B PH-DAT 15	1	079	4.6+1	1.2+2 Muenzel+	TBL. FROM EXFOR.
7052 ROC Exth J NP/A 131	513	69	4.6+1	1.2+2 Bowmann+	CURV. ACTIV. AT BRK. ORL.
Exth 4 EXFORB0009.011	076	4.6+1	1.2+2	93 DATA POINTS.	
$^{27}\text{Al}(\alpha, 3n+4p)^{24}\text{Na}$ including metastable $\sigma(E)$					
7053 BRK Expt J PR 101	329	56	3.5+2	Crandall+	TBL. STACKED FOILS.
Expt 4 EXFORB0101.007	N79	3.5+2			(24.2+-0.3)MB.
$^{27}\text{Al}(\alpha, x)^{27}\text{Mg}$ $\sigma(E)$					
7054 JUL Expt T O.S.C. BIR 24	77	5.0+1	1.5+2 Oaim.	CURV. STACKED-FOILS.	
Expt P NEANDC(E)-172	776	+1	1.6+2 Weinrich+	NDG. P. 43.	
$^{27}\text{Al}(\alpha, 3p)^{28}\text{Mg}$ $\sigma(E)$					
7055 JUL Revv C 78HARWEL	667	78	3.0+1	1.6+2 Stocklin+	CURV. FROM ARI 27, 431
Comp J NIM 146	301	077	3.0+1	1.6+2 Schult.	CURV. ARI 27, 431(1976)
Expt J ARI 27	431	76	3.0+1	1.5+2 Probst+	CURV. STACKED-FOILS.
Expt C 75ZUERI	457	75	3.0+1	1.6+2 Weinreich+	CURV.
$^{27}\text{Al}(\alpha, 3p)^{28}\text{Mg}$ thick target yield					
7056 FEI Expt J AE 46	185	78	3.8+1	4.4+1 Dmitriev+	TBL. CURV. 18.5 MG/CM2.
Expt J SJA 46	216	78	3.8+1	4.4+1	TRANSLATION OF AE 46(3), 185.
7057 AML Revv J IRE 26	2281	479	4.5+1	1.4+2 Chaudri.	TBL. CFD EXP. TO CALC.
7058 JUL Comp J NIM 146	301	077	1.4+2	Schult.	MAX. YLD.=40C1/A-H
Revv J JRC 30	53	76	4.1+1	1.4+2 Weinreich+	TBL.
Expt J ARI 27	431	76	4.1+1	1.4+2 Probst+	TBL. REV. OF PREV. WORK.
Expt J ARI 27	431	76	1.4+2	Probst+	TBL. FRM STACKED-FOILS.
Expt J ARI 27	431	76	2.9+1	1.6+2 Probst+	CURV. CALC. FROM SIG(E).
$^{27}\text{Al}(\alpha, 3p)^{28}\text{Mg}$ thick target yield=factor					
7059 FEI Expt J AE 46	185	79	3.8+1	4.4+1 Dmitriev+	CURV. TRL.
Expt J SJA 46	216	78	3.8+1	4.4+1	TRANSLATION OF AE 46(3), 185.
$^{27}\text{Al}(\alpha, \text{scattering})^{27}\text{Al}$ partial spectrum average $\sigma(E)$					
7060 MUU Expt W ANNUAL RPT 97	74	2.3+1	2.7+1 Eberhard+	CURV. INTAD(140-180).	
$^{27}\text{Al}(\alpha, \text{inelastic})^{27}\text{Al}$ partial raw thick target yield					
7061 SUN Expt J JRC 50	307	79	5.0+0	Giles+	TBL. SURVEY OF PROMPT GS.
$^{27}\text{Al}(\alpha, x)^{28}\text{Al}$ $\sigma(E)$					
7062 JUL Expt J ARI 27	431	76	3.0+1	5.0+1 Probst+	CURV. STACKED-FOILS.
$^{27}\text{Al}(\alpha, ^3\text{He})^{28}\text{Al}$ $\sigma(E)$					
7063 MRY Expt A BAP 23	954	978	8.0+1	1.6+2 Wu+	NDG. A**1/3 DEPEND. IN BREAKUP
$^{27}\text{Al}(\alpha, 2p)^{29}\text{Al}$ $\sigma(E)$					
7064 JUL Expt J ARI 27	431	76	1.5+1	1.5+2 Probst+	CURV. STACKED-FOILS.
$^{27}\text{Al}(\alpha, t)^{28}\text{Si}$ $\sigma(E)$					
7065 BRK Expt J PR 120	1354	60	TR	4.8+1 Gonzalez-Vidal+	CURV. STCKD FOILS APP SIG
Expt J PR 107	1311	57	TR	4.8+1	EXPERIMENTAL DETAILS+PRELIM. DATA
7066 MRY Expt A BAP 23	954	978	8.0+1	1.6+2 Wu+	NDG. A**1/3 DEPEND. IN BREAKUP
$^{27}\text{Al}(\alpha, t)^{28}\text{Si}$ partial $\sigma(E)$					
7067 MOS Expt J NP/A 298	206	478	2.5+1	Lebedev+	TBL. T0-T1 GRPS. INTAD(15-170)

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
						$^{27}\text{Al}(\alpha, d)^{29}\text{Si}$ $\sigma(E)$
7068	MRY	Expt A	BAP 23	954	978 8.0+1 1.6+2	Wu+ NDG. A**1/3 DEPEND. IN BREAKUP
						$^{27}\text{Al}(\alpha, p)^{30}\text{Si}$ partial raw thick target yield
7069	SUN	Expt J	JRC 50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
						$^{27}\text{Al}(\alpha, p)^{30}\text{Si}$ $\sigma(E)$
7070	CAL	Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422	875	TR 1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
7071	MRY	Expt A	BAP 23	954	978 8.0+1 1.6+2	Wu+ NDG. A**1/3 DEPEND. IN BREAKUP
						$^{27}\text{Al}(\alpha, n)^{30}\text{P}$ $\sigma(E)$
7072	CAL	Theo R	OAP-422	875	TR 1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
7073	KTY	Expt J	PR/C 18	1566	078 3.1+0 6.1+0	Flynn+ CURV. 4PI DETECTOR.
7074	JUL	Expt J	ARI 30	3	79 1.0+1 2.8+1	Sahakundu+ CURV. STACKED FOILS.
		Revu C	78HARNEL	667	78 1.0+1 2.6+1	Stocklin+ CURV. FROM ARI 28,131.
						$^{27}\text{Al}(\alpha, n)^{30}\text{P}$ thick target yield
7075	JUL	Revu C	78HARNEL	667	78 2.8+1	Stocklin+ TBL. SATURATION YLD.
7076	JUL	Expt J	ARI 30	3	79 3.5+1	Sahakundu+ 18.7IMC/MUAMIN. FROM SIGMA.
						$^{27}\text{Al}(\alpha, n)^{30}\text{P}$ partial raw thick target yield
7077	SUN	Expt J	JRC 50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
						$^{27}\text{Al}(\alpha, \gamma)^{31}\text{P}$ $\sigma(E)$
7078	CAL	Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422	875	TR 1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
						$^{27}\text{Al}(\alpha, x)^{\text{mass}}$ distribution $\sigma(E)$
7079	MRY	Expt A	BAP 24	846	979 6.0+1 1.6+2	Glagola+ NDG. A GT 4.
						$^{28}\text{Al}(\alpha, p)^{31}\text{Si}$ $\sigma(E)$
7080	CAL	Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{28}\text{Al}(\alpha, n)^{31}\text{P}$ $\sigma(E)$
7081	CAL	Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{28}\text{Al}(\alpha, \gamma)^{32}\text{P}$ $\sigma(E)$
7082	CAL	Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{29}\text{Al}(\alpha, p)^{32}\text{Si}$ $\sigma(E)$
7083	CAL	Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{29}\text{Al}(\alpha, n)^{32}\text{P}$ $\sigma(E)$
7084	CAL	Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{29}\text{Al}(\alpha, \gamma)^{33}\text{P}$ $\sigma(E)$
7085	CAL	Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{30}\text{Al}(\alpha, n)^{33}\text{P}$ $\sigma(E)$
7086	CAL	Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{30}\text{Al}(\alpha, \gamma)^{34}\text{P}$ $\sigma(E)$
7087	CAL	Theo J	AND 22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J	AND 22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
						$\text{Si}(\alpha, \text{scattering})$ partial spectrum average $\sigma(E)$
7088	MUJ	Expt W	ANNUAL RPT 97	74	2.3+1 2.7+1	Eberhard+ CURV. INTAD(140-180).
						$\text{Si}(\alpha, x)n$ thick target yield
7089	GEL	Theo J	AKE 30	59	77 2.4+0 4.7+0	Liskient+ TBL. FROM SIG+STOP. POWERS.N/A
7090	HAR	Expt P	NEANDC(E)-2028	479	3.8+0 1.0+1	West+ CURV. POLY MODERATOR. P. 57.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Si(a,x)n thick target yield					
7090	HAR Expt P	INDC(UK)-31	57	479	3.8+0 1.0+1 . SAME AS NEANDC(E)-202, VOL. 8
	Expt P	UKNDC-P-94	57	479	3.8+0 1.0+1 . SAME AS NEANDC(E)-202, VOL. 8.
	Expt P	AERE-PR/NP-26	379	3.6+0	1.0+1 West+ CURV. POLYETHYLENE MOD. P. 42.
	Expt C	/BHARWCL 61P	78	3.8+0	8.0+0 West+ CURV. 9 LONG 3HE-AR-METHANE COUN
7091	ORL Expt J	NSE 71	18	779	4.5+0 9.0+0 Bal+ TBL CURV. NO EFFICIENCY CORRECTION
²⁸ Si(a,x)γ σ(E)					
7092	HAU Expt P	A-WAU-78	1	778	TR 2.7+1 Bodansky+ NDG.
7093	GSF Eval J	AJ/S 40	487	779	8.0+0 4.0+3 Ramaty+ CURV.
	Eval R	NASA-TM-79654	79	8.0+0	4.0+3 . SAME AS AJ/S 40, 487(1979).
²⁸ Si(a,inelastic) ²⁸ Si partial raw thick target yield*abundance					
7094	SUN Expt J	JRC 50	307	79	5.0+0 Giles+ TBL. SURVEY OF PROMPT GS.
²⁸ Si(a,inelastic) ²⁸ Si partial σ(E) _γ					
7095	GSF Eval J	AJ/S 40	487	779	8.0+0 1.0+2 Ramaty+ CURV. EG=1.779 MEV.
	Eval R	NASA-TM-79654	79	8.0+0	1.0+2 . SAME AS AJ/S 40, 487(1979).
²⁸ Si(a,p) ³¹ P partial raw thick target yield*abundance					
7096	SUN Expt J	JRC 50	307	79	5.0+0 Giles+ TBL. SURVEY OF PROMPT GS.
²⁸ Si(a,p) ³¹ P σ(E)					
7097	CAL Theo R	OAP-422	875	TR	1.1+1 Woosley+ CURV. HAUSER-FESHBACH.
²⁸ Si(a,n) ³¹ S σ(E)					
7098	CAL Theo R	OAP-422	875	TR	1.1+1 Woosley+ CURV. HAUSER-FESHBACH.
²⁸ Si(a,y) ³² S product yield					
7099	MOS Revw R	PHOTONUCLE 1	78	1.4+0	3.8+0 Varlamov+ NDG. TBL. FROM 55, 90 DEG DAT
²⁸ Si(a,y) ³² S partial σ(E)					
7100	STF Expt J	PR/C 20	5	779	5.0+0 1.6+1 Kuhlmann+ CURV. E1,E2 SIG FRM SIG(THETA
²⁸ Si(a,y) ³² S raw thick target yield					
7101	OTC Expt J	NP/A 281	345	577	1.4+0 3.8+0 Rogers+ CURV.
²⁸ Si(a,y) ³² S σ(E)					
7102	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R	OAP-422	875	TR	2.0+1 Woosley+ CURV. HAUSER-FESHBACH.
²⁸ Si(a,y) ³² S partial average σ(E)					
7103	STF Expt J	PR/C 20	5	779	1.2+1 2.0+1 Kuhlmann+ TBL. AVE. E1,E2. THREE E RANG
²⁸ Si(a,y) ³² S partial product yield					
7104	TNL Theo P	A-TNL-79	136	79	NDG Lafferty+ NDG. CLUSTER MODEL.
²⁸ Si(a,inelastic) ²⁸ Si partial raw thick target yield*abundance					
7105	SUN Expt J	JRC 50	307	79	5.0+0 Giles+ TBL. SURVEY OF PROMPT GS.
²⁸ Si(a,p) ³² P partial raw thick target yield*abundance					
7106	SUN Expt J	JRC 50	307	79	5.0+0 Giles+ TBL. SURVEY OF PROMPT GS.
²⁸ Si(a,p) ³² P σ(E)					
7107	CAL Theo R	OAP-422	875	TR	1.1+1 Woosley+ CURV. HAUSER-FESHBACH.
²⁸ Si(a,n) ³² S σ(E)					
7108	CAL Theo R	OAP-422	875	TR	1.1+1 Woosley+ CURV. HAUSER-FESHBACH.
7109	KTY Expt J	IRE 26	1212	279	3.0+0 6.8+0 Gabbard+ CURV. 4PI DETECTOR. CFD THEORY
	Expt J	PR/C 18	1566	078	2.8+0 6.8+0 Flynn+ CURV. 4PI DETECTOR.
²⁸ Si(a,n) ³² S raw σ(E)					
7110	ALB Expt J	JP/A 285	207	78	2.0+0 4.3+0 Okon+CURV. LONG CONT. CFD. (A,G). DED. RES
²⁸ Si(a,n) ³² S product yield					
7111	TRM Expt P	INDC(SEC)-50	176	1.8+0	2.5+0 Balskrishnan+ NDG. DED SIG(N,A) P. 139
²⁸ Si(a,y) ³³ S raw σ(E)					
7112	ALB Expt J	JP/A 285	207	78	2.0+0 4.3+0 Okon+CURV. GE(L1) CFD. (A,N). DED. RES.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{29}\text{Si}(\alpha, \gamma)^{33}\text{S}$ $\sigma(E)$					
7113	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR	1.7+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{30}\text{Si}(\alpha, n)$ thick target yield					
7114	HAR Expt P	AERE-PR/NP2328 76	+0	7.2+0	West+ NDG. PROP. STUDY.
$^{30}\text{Si}(\alpha, \text{inelastic})^{30}\text{Si}$ partial raw thick target yield*abundance					
7115	SUN Expt J	JRC 50 307 79	5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
$^{30}\text{Si}(\alpha, p)^{33}\text{P}$ $\sigma(E)$					
7116	CAL Theo R OAP-422	875 TR	1.1+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{30}\text{Si}(\alpha, n)^{33}\text{S}$ $\sigma(E)$					
7117	CAL Theo R OAP-422	875 TR	1.1+1		Woosley+ CURV. HAUSER-FESHBACH.
7118	KTY Expt J	PR/C 18 1566 078	4.0+0	6.3+0	Flynn+ CURV. ^4He DETECTOR.
	Expt P DOE-NDG-12	97 478	3.9+0	6.3+0	Flynn+ CURV. ANALYS. TO BE DONE.
	Exth P U/KTY-77	86 77	4.1+0	6.2+0	Flynn+ CURV. SPHERE COUNT. + H-F CALC.
$^{30}\text{Si}(\alpha, n)^{33}\text{S}$ partial $\sigma(E)$					
7119	KTY Exth P	U/KTY-77 86 77	4.1+0	6.2+0	Flynn+CURV.NO +-N1 GRP. HAUSER-FESHBACH
$^{30}\text{Si}(\alpha, \gamma)^{34}\text{S}$ partial $\sigma(E)$					
7120	STF Expt J	PR/C 20 5 779	4.0+0	1.5+1	Kuhlmann+ CURV. E1,E2 SIG FRM SIG(THETA
$^{30}\text{Si}(\alpha, \gamma)^{34}\text{S}$ $\sigma(E)$					
7121	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR	1.4+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{30}\text{Si}(\alpha, \gamma)^{34}\text{S}$ partial average $\sigma(E)$					
7122	STF Expt J	PR/C 20 5 779	1.1+1	1.9+1	Kuhlmann+ TBL. AVE. E1,E2. THREE E RANG
$^{31}\text{Si}(\alpha, n)^{34}\text{S}$ $\sigma(E)$					
7123	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{31}\text{Si}(\alpha, \gamma)^{35}\text{S}$ $\sigma(E)$					
7124	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{32}\text{Si}(\alpha, \gamma)^{36}\text{S}$ $\sigma(E)$					
7125	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{33}\text{Si}(\alpha, n)^{36}\text{S}$ $\sigma(E)$					
7126	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{33}\text{Si}(\alpha, \gamma)^{37}\text{S}$ $\sigma(E)$					
7127	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{34}\text{Si}(\alpha, n)^{37}\text{S}$ $\sigma(E)$					
7128	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{34}\text{Si}(\alpha, \gamma)^{38}\text{S}$ $\sigma(E)$					
7129	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{44}\text{Si}(\alpha, x)n$ thick target yield					
7130	ORL Expt J	NSE 71 18 779	5.0+0	8.0+0	Bair+ CURV. EST. OF ^{29}Si , ^{30}Si CONTAM.
$^{29}\text{P}(\alpha, p)^{32}\text{S}$ $\sigma(E)$					
7131	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{29}\text{P}(\alpha, \gamma)^{33}\text{Cl}$ $\sigma(E)$					
7132	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
	$^{29}\text{P}(\alpha, \gamma)^{33}\text{Cl}$	$\sigma(\text{E})$			
7132	CAL Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{30}\text{P}(\alpha, p)^{33}\text{S}$	$\sigma(\text{E})$			
7133	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	32 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{30}\text{P}(\alpha, \gamma)^{34}\text{Cl}$	$\sigma(\text{E})$			
7134	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{31}\text{P}(\alpha, \text{inelastic})^{31}\text{P}$	partial raw thick target yield			
7135	SUN Expt J JRC	50 307 79 5.0+0			Giles+ TBL. SURVEY OF PROMPT GS.
	$^{31}\text{P}(\alpha, p)^{34}\text{S}$	partial raw thick target yield			
7136	SUN Expt J JRC	50 307 79 5.0+0			Giles+ TBL. SURVEY OF PROMPT GS.
	$^{31}\text{P}(\alpha, p)^{34}\text{S}$	$\sigma(\text{E})$			
7137	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR	1.1+1		Woosley+ CURV. HAUSER-FESHBACH.
	$^{31}\text{P}(\alpha, n)^{34}\text{Cl}$	$\sigma(\text{E})$			
7138	CAL Theo R OAP-422	875 TR	1.1+1		Woosley+ CURV. HAUSER-FESHBACH.
	$^{31}\text{P}(\alpha, n)^{34}\text{Cl}$	thick target yield			
7139	FEI Expt J ARI	27 159 76 1.1+1 4.2+1			Zatolokin+ CURV. T1/2=32.2MIN.
	$^{31}\text{P}(\alpha, \gamma)^{35}\text{Cl}$	$\sigma(\text{E})$			
7140	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 5.6-1 9.0+0			Woosley+ CURV. HAUSER-FESHBACH.
	$^{32}\text{P}(\alpha, \gamma)^{36}\text{Cl}$	$\sigma(\text{E})$			
7141	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{33}\text{P}(\alpha, \gamma)^{37}\text{Cl}$	$\sigma(\text{E})$			
7142	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{34}\text{P}(\alpha, n)^{37}\text{Cl}$	$\sigma(\text{E})$			
7143	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{34}\text{P}(\alpha, \gamma)^{38}\text{Cl}$	$\sigma(\text{E})$			
7144	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{35}\text{P}(\alpha, \gamma)^{39}\text{Cl}$	$\sigma(\text{E})$			
7145	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{36}\text{P}(\alpha, n)^{39}\text{Cl}$	$\sigma(\text{E})$			
7146	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{36}\text{P}(\alpha, \gamma)^{40}\text{Cl}$	$\sigma(\text{E})$			
7147	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{37}\text{P}(\alpha, n)^{40}\text{Cl}$	$\sigma(\text{E})$			
7148	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{37}\text{P}(\alpha, \gamma)^{41}\text{Cl}$	$\sigma(\text{E})$			
7149	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{38}\text{P}(\alpha, n)^{41}\text{Cl}$	$\sigma(\text{E})$			
7150	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
					³⁸ P(α,n) ⁴¹ Cl σ(E)
7150	CAL Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
					³⁸ P(α,γ) ⁴² Cl σ(E)
7151	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
					S(α,scattering) partial spectrum average σ(E)
7152	MUJ Expt W ANNUAL RPT	97 74 2.3+1 2.7+1			Eberhard+ CURV. INTAD(140-180).
					S(α,x)γ raw thick target yield
7153	SUN Expt J JRC	50 307 79 5.0+0			Giles+ NO PROMPT GS. PBS TARGET.
					S(α,x) ³⁴ Cl thick target yield
7154	FEI Expt J ARI	27 159 76 2.0+1 4.2+1			Zatolokin+ CURV. T1/2=32.2MIN.
					³² S(α,p) ³⁵ Cl σ(E)
7155	CAL Theo R OAP-422	875 TR	1.1+1		Woosley+ CURV. HAUSER-FESHBACH.
					³² S(α,n) ³⁵ Ar σ(E)
7156	CAL Theo R OAP-422	875 TR	1.1+1		Woosley+ CURV. HAUSER-FESHBACH.
					³² S(α,γ) ³⁶ Ar product yield
7157	TRM Expt P INDC(SEC)-50	176 4.5+0 4.8+0			Chakrabarty+ NDG. 2 ISLTED RESON P. 137
					³² S(α,γ) ³⁶ Ar σ(E)
7158	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR	1.6+1		Woosley+ CURV. HAUSER-FESHBACH.
					³³ S(α,p) ³⁸ Cl σ(E)
7159	CAL Theo R OAP-422	875 TR	1.1+1		Woosley+ CURV. HAUSER-FESHBACH.
					³³ S(α,n) ³⁸ Ar σ(E)
7160	CAL Theo R OAP-422	875 TR	1.2+1		Woosley+ CURV. HAUSER-FESHBACH.
					³³ S(α,γ) ³⁷ Ar σ(E)
7161	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR	1.2+1		Woosley+ CURV. HAUSER-FESHBACH.
					³⁴ S(α,p) ³⁷ Cl σ(E)
7162	CAL Theo R OAP-422	875 TR	1.1+1		Woosley+ CURV. HAUSER-FESHBACH.
					³⁴ S(α,n) ³⁷ Ar σ(E)
7163	CAL Theo R OAP-422	875 TR	1.2+1		Woosley+ CURV. HAUSER-FESHBACH.
					³⁴ S(α,γ) ³⁸ Ar σ(E)
7164	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR	1.2+1		Woosley+ CURV. HAUSER-FESHBACH.
					³⁵ S(α,n) ³⁸ Ar σ(E)
7165	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
					³⁵ S(α,γ) ³⁹ Ar σ(E)
7166	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
					³⁶ S(α,p) ⁴⁰ Cl σ(E)
7167	CAL Theo R OAP-422	875 TR	1.2+1		Woosley+ CURV. HAUSER-FESHBACH.
					³⁶ S(α,n) ³⁹ Ar σ(E)
7168	CAL Theo R OAP-422	875 TR	1.0+1		Woosley+ CURV. HAUSER-FESHBACH.
					³⁶ S(α,γ) ⁴⁰ Ar σ(E)
7169	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR	1.0+1		Woosley+ CURV. HAUSER-FESHBACH.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{37}\text{S}(\alpha, n)^{40}\text{Ar}$ $\sigma(E)$						
7170	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{37}\text{S}(\alpha, \gamma)^{41}\text{Ar}$ $\sigma(E)$						
7171	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{38}\text{S}(\alpha, n)^{41}\text{Ar}$ $\sigma(E)$						
7172	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{38}\text{S}(\alpha, \gamma)^{42}\text{Ar}$ $\sigma(E)$						
7173	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{39}\text{S}(\alpha, n)^{42}\text{Ar}$ $\sigma(E)$						
7174	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{39}\text{S}(\alpha, \gamma)^{43}\text{Ar}$ $\sigma(E)$						
7175	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{40}\text{S}(\alpha, n)^{43}\text{Ar}$ $\sigma(E)$						
7176	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{40}\text{S}(\alpha, \gamma)^{44}\text{Ar}$ $\sigma(E)$						
7177	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{41}\text{S}(\alpha, n)^{44}\text{Ar}$ $\sigma(E)$						
7178	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{41}\text{S}(\alpha, \gamma)^{45}\text{Ar}$ $\sigma(E)$						
7179	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{42}\text{S}(\alpha, n)^{45}\text{Ar}$ $\sigma(E)$						
7180	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{42}\text{S}(\alpha, \gamma)^{46}\text{Ar}$ $\sigma(E)$						
7181	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$\text{Cl}(\alpha, x)^{34}\text{Cl}$ thick target yield						
7182	FEI	Expt J	ARI	27	159 76 2.1+1 4.2+1	Zatolokin+ CURV. T1/2=32.2MIN.
$^{33}\text{Cl}(\alpha, p)^{36}\text{Ar}$ $\sigma(E)$						
7183	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{33}\text{Cl}(\alpha, \gamma)^{37}\text{K}$ $\sigma(E)$						
7184	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{34}\text{Cl}(\alpha, p)^{37}\text{Ar}$ $\sigma(E)$						
7185	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{34}\text{Cl}(\alpha, \gamma)^{38}\text{K}$ $\sigma(E)$						
7186	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{35}\text{Cl}(\alpha, p)^{38}\text{Ar}$ partial raw thick target yield*abundance						
7187	SUN	Expt J	JRC	50	307 79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.

REFERENCES (cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
³⁵Cl(α,p)³⁸Ar σ(E)					
7188	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo H OAP-422		875	TR	1.1+1 Woosley+ CURV. HAUSER-FESHBACH.
³⁵Cl(α,n)³⁸K σ(E)					
7189	CAL Theo R OAP-422		875	1.0+0 8.9+0	Woosley+ CURV. HAUSER-FESHBACH.
³⁵Cl(α,γ)³⁸K σ(E)					
7190	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR	8.9+0 Woosley+ CURV. HAUSER-FESHBACH.
³⁸Cl(α,γ)⁴⁰K σ(E)					
7191	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
³⁷Cl(α,p)⁴⁰Ar partial raw thick target yield×abundance					
7192	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
³⁷Cl(α,p)⁴⁰Ar σ(E)					
7193	CAL Theo R OAP-422		875	TR	1.1+1 Woosley+ CURV. HAUSER-FESHBACH.
³⁷Cl(α,n)⁴⁰K σ(E)					
7194	CAL Theo R OAP-422		875	8.9-1 8.6+0	Woosley+ CURV. HAUSER-FESHBACH.
³⁷Cl(α,γ)⁴¹K σ(E)					
7195	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR	8.6+0 Woosley+ CURV. HAUSER-FESHBACH.
7196	CAL Expt J NP/A	331	180	N77 2.9+0	5.4+0 Zyskind+ CURV. COMPETITION CUSPS.
	Expt C 77TOKYO		846	977 NDG	Zyskind+ TBL. WIGNER CUSP/MINIMUM RATIO
³⁸Cl(α,n)⁴¹K σ(E)					
7197	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
³⁸Cl(α,γ)⁴²K σ(E)					
7198	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
³⁸Cl(α,γ)⁴³K σ(E)					
7199	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁰Cl(α,n)⁴³K σ(E)					
7200	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁰Cl(α,γ)⁴⁴K σ(E)					
7201	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴¹Cl(α,p)⁴⁴Ar σ(E)					
7202	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴¹Cl(α,n)⁴⁴K σ(E)					
7203	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴¹Cl(α,γ)⁴⁵K σ(E)					
7204	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴²Cl(α,n)⁴⁵K σ(E)					
7205	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴²Cl(α,γ)⁴⁶K σ(E)					
7206	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
		$^{42}\text{Cl}(\alpha, \gamma)^{46}\text{K}$ $\sigma(E)$			
7206	CAL Theo J AND	22 371 N78 NDG			TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{36}\text{Ar}(\alpha, \text{scattering})^{36}\text{Ar}$ partial spectrum average $\sigma(E)$			
7207	MUJ Expt W ANNUAL RPT	97 74 2.3+1 2.7+1			Eberhard+ CURV. INTAD(140-180).
		$^{36}\text{Ar}(\alpha, p)^{39}\text{K}$ $\sigma(E)$			
7208	CAL Theo R OAP-422	875 TR		1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
		$^{36}\text{Ar}(\alpha, n)^{39}\text{Ca}$ $\sigma(E)$			
7209	CAL Theo R OAP-422	875 TR		1.7+1	Woosley+ CURV. HAUSER-FESHBACH.
		$^{36}\text{Ar}(\alpha, \gamma)^{40}\text{Ca}$ $\sigma(E)$			
7210	CAL Theo R OAP-422	875 TR		1.7+1	Woosley+ CURV. HAUSER-FESHBACH.
		$^{37}\text{Ar}(\alpha, \gamma)^{41}\text{Ca}$ $\sigma(E)$			
7211	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{38}\text{Ar}(\alpha, p)^{41}\text{K}$ $\sigma(E)$			
7212	CAL Theo R OAP-422	875 TR		1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
		$^{38}\text{Ar}(\alpha, n)^{41}\text{Ca}$ $\sigma(E)$			
7213	CAL Theo R OAP-422	875 TR		1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
		$^{38}\text{Ar}(\alpha, \gamma)^{42}\text{Ca}$ $\sigma(E)$			
7214	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR		1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
		$^{38}\text{Ar}(\alpha, \gamma)^{43}\text{Ca}$ $\sigma(E)$			
7215	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{40}\text{Ar}(\alpha, \text{scattering})^{40}\text{Ar}$ partial spectrum average $\sigma(E)$			
7216	MUJ Expt W ANNUAL RPT	97 74 2.3+1 2.7+1			Eberhard+ CURV. INTAD(140-180).
		$^{40}\text{Ar}(\alpha, \text{inelastic})^{40}\text{Ar}$ $\sigma(E)$			
7217	HAM Theo J PR/C	14 755 76 2.4+1			Fitz. TBL. STATISTICAL MODEL.
		$^{40}\text{Ar}(\alpha, 2p)^{42}\text{Ar}$ $\sigma(E)$			
7218	BNL Theo C 77BNL	539 77 2.2+1 5.0+1			Hillman+ CURV. GROG1.
		$^{40}\text{Ar}(\alpha, n+p)^{42}\text{K}$ thick target yield			
7219	UJV Comp R UJF-4199-B	277 1.7+1 2.8+1			Bem+ TBL. ARI 23, 329(1972)
	Comp R UJF-4199-B	277 1.8+1 3.6+1			Bem+ TBL. CALC. FRM SIG IN JPJ 16, 129
		$^{40}\text{Ar}(\alpha, d)^{42}\text{K}$ $\sigma(E)$			
7220	HAM Theo J PR/C	14 755 76 2.4+1			Fitz. TBL. STATISTICAL MODEL.
		$^{40}\text{Ar}(\alpha, p)^{43}\text{K}$ thick target yield			
7221	UJV Comp R UJF-4199-B	277 1.1+1 2.6+1			Bem+ TBL. ARI 23, 329(1972)
	Comp R UJF-4199-B	277 1.2+1 3.6+1			Bem+ TBL. CALC. FRM SIG IN JPJ 16, 129
7222	AML Revv J IRE	26 2281 479 1.7+1			Chaudri. TBL. CFD EXP. TO CALC.
		$^{40}\text{Ar}(\alpha, p)^{43}\text{K}$ $\sigma(E)$			
7223	CAL Theo R OAP-422	875 TR		1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
7224	JUL Revv W PREPRINT	678 1.2+1 4.0+1			Qaim+ CURV. 1960 DATA
7225	HAM Theo J PR/C	14 755 76 2.4+1			Fitz. TBL. STATISTICAL MODEL.
		$^{40}\text{Ar}(\alpha, p)^{43}\text{K}$ thick target yield=abundance			
7226	KFK Expt R KFK-2298	37 476 5.0+1 1.0+2			Helus+ ACTIVATION. TBL.
		$^{40}\text{Ar}(\alpha, n)^{43}\text{Ca}$ partial product, yield			
7227	LVP Expt J JP/G	5 1117 879 5.5+0 1.9+1			Behbehani+ NDG. GE(L1).
		$^{40}\text{Ar}(\alpha, n)^{43}\text{Ca}$ $\sigma(E)$			
7228	CAL Theo R OAP-422	875 TR		9.0+0	Woosley+ CURV. HAUSER-FESHBACH.
7229	HAM Theo J PR/C	14 755 76 2.4+1			Fitz. TBL. STATISTICAL MODEL.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{40}\text{Ar}(\alpha, \gamma)^{44}\text{Ca}$ $\sigma(E)$					
7230	CAL Theo J AND Theo J AND Theo R	22 22 422	371 371 875	N78 NDG N78 NDG TR	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR 9.0+0 Woosley+ CURV. HAUSER-FESHBACH.
$^{41}\text{Ar}(\alpha, n)^{44}\text{Ca}$ $\sigma(E)$					
7231	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{41}\text{Ar}(\alpha, \gamma)^{45}\text{Ca}$ $\sigma(E)$					
7232	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{42}\text{Ar}(\alpha, n)^{45}\text{Ca}$ $\sigma(E)$					
7233	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{42}\text{Ar}(\alpha, \gamma)^{46}\text{Ca}$ $\sigma(E)$					
7234	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{43}\text{Ar}(\alpha, n)^{46}\text{Ca}$ $\sigma(E)$					
7235	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{43}\text{Ar}(\alpha, \gamma)^{47}\text{Ca}$ $\sigma(E)$					
7236	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{44}\text{Ar}(\alpha, n)^{47}\text{Ca}$ $\sigma(E)$					
7237	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{44}\text{Ar}(\alpha, \gamma)^{48}\text{Ca}$ $\sigma(E)$					
7238	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{45}\text{Ar}(\alpha, n)^{48}\text{Ca}$ $\sigma(E)$					
7239	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{45}\text{Ar}(\alpha, \gamma)^{49}\text{Ca}$ $\sigma(E)$					
7240	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{46}\text{Ar}(\alpha, n)^{49}\text{Ca}$ $\sigma(E)$					
7241	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{46}\text{Ar}(\alpha, \gamma)^{50}\text{Ca}$ $\sigma(E)$					
7242	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{37}\text{K}(\alpha, p)^{40}\text{Ca}$ $\sigma(E)$					
7243	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{37}\text{K}(\alpha, \gamma)^{41}\text{Sc}$ $\sigma(E)$					
7244	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{38}\text{K}(\alpha, p)^{41}\text{Ca}$ $\sigma(E)$					
7245	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{38}\text{K}(\alpha, \gamma)^{42}\text{Sc}$ $\sigma(E)$					
7246	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{39}\text{K}(\alpha, \text{scattering})^{39}\text{K}$ partial spectrum average $\sigma(E)$					
7247	MUW Expt W ANNUAL RPT	97	74	2.3+1 2.7+1	Eberhard+ CURV. INTAD(140-180).

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
³⁹ K(a,p) ⁴² Ca	partial raw thick target yield=abundance			
7248 SUN Expt J	JRC 50 307 79 5.0+0			Giles+ TBL. SURVEY OF PROMPT GS.
³⁹ K(a,p) ⁴² Ca	σ(E)			
7249 CAL Theo R	OAP-422 075 TR		1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
³⁹ K(a,n) ⁴² Sc	σ(E)			
7250 CAL Theo R	OAP-422 875 TR		9.9+0	Woosley+ CURV. HAUSER-FESHBACH.
³⁹ K(a,γ) ⁴³ Sc	σ(E)			
7251 CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
Theo R OAP-422	875 TR		9.9+0	Woosley+ CURV. HAUSER-FESHBACH.
⁴⁰ K(a,p) ⁴³ Ca	σ(E)			
7252 CAL Theo R	OAP-422 875 TR		1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
⁴⁰ K(a,n) ⁴³ Sc	σ(E)			
7253 CAL Theo R	OAP-422 875 1.1+0 8.6+0			Woosley+ CURV. HAUSER-FESHBACH.
⁴⁰ K(a,γ) ⁴⁴ Sc	σ(E)			
7254 CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
Theo R OAP-422	875 8.8-1 8.6+0			Woosley+ CURV. HAUSER-FESHBACH.
⁴¹ K(a,p) ⁴⁴ Ca	σ(E)			
7255 CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
Theo R OAP-422	875 TR		1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
⁴¹ K(a,n) ⁴⁴ Sc	σ(E)			
7256 CAL Theo R	OAP-422 875 8.8-1 6.6+0			Woosley+ CURV. HAUSER-FESHBACH.
⁴¹ K(a,γ) ⁴⁵ Sc	σ(E)			
7257 CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
Theo R OAP-422	875 TR		6.6+0	Woosley+ CURV. HAUSER-FESHBACH.
⁴² K(a,p) ⁴⁵ Ca	σ(E)			
7258 CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴² K(a,n) ⁴⁵ Sc	σ(E)			
7259 CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴² K(a,γ) ⁴⁶ Sc	σ(E)			
7260 CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴³ K(a,p) ⁴⁶ Ca	σ(E)			
7261 CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴³ K(a,γ) ⁴⁷ Sc	σ(E)			
7262 CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁴ K(a,p) ⁴⁷ Ca	σ(E)			
7263 CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁴ K(a,n) ⁴⁷ Sc	σ(E)			
7264 CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁴⁴ K(a,γ) ⁴⁸ Sc	σ(E)			
7265 CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
	$^{45}\text{K}(\alpha, p)^{48}\text{Ca}$	$\sigma(E)$			
7266	CAL Theo J AND Theo J AND	22 22	371 371	N78 N78	NDG NDG
					Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{45}\text{K}(\alpha, n)^{48}\text{Sc}$	$\sigma(E)$			
7267	CAL Theo J AND Theo J AND	22 22	371 371	N78 N78	NDG NDG
					Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{45}\text{K}(\alpha, \gamma)^{49}\text{Sc}$	$\sigma(E)$			
7268	CAL Theo J AND Theo J AND	22 22	371 371	N78 N78	NDG NDG
					Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{46}\text{K}(\alpha, p)^{49}\text{Ca}$	$\sigma(E)$			
7269	CAL Theo J AND Theo J AND	22 22	371 371	N78 N78	NDG NDG
					Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{46}\text{K}(\alpha, n)^{49}\text{Sc}$	$\sigma(E)$			
7270	CAL Theo J AND Theo J AND	22 22	371 371	N78 N78	NDG NDG
					Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$^{46}\text{K}(\alpha, \gamma)^{50}\text{Sc}$	$\sigma(E)$			
7271	CAL Theo J AND Theo J AND	22 22	371 371	N78 N78	NDG NDG
					Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
	$\text{Ca}(\alpha, x)\gamma$	raw thick target yield			
7272	SUN Expt J JRC	50	307	79 5.0+0	Giles+ NO PROMPT GS. SEVERAL CMP TRGTS
	$\text{Ca}(\alpha, x)\gamma$	$\sigma(E)$			
7273	OSA Expt P A-RCNP-77	200	79 5.0+1		Ejiri+ NDG. PROMPT + DELAYED.
	$\text{Ca}(\alpha, x)$	charge distribution	$\sigma(E)$		
7274	OSA Expt P A-RCNP-77	200 378	9.0+1		Shibata+ CURV. Z=16-21. PR + DLY GS.
	$^{40}\text{Ca}(\alpha, x)$	compound-nucleus	$\sigma(E)$		
7275	KLN Expt J PRL Expt P BLM-JB-78 Expt P BLM-JB-77	43 79 15	779 1.0+1 478 9.0+0	2.7+1 2.8+1 2.7+1	Eberhard+ CURV. FUS=SUM OF A GT ^{40}D . Appel+ CURV. FROM GAMMA MEASUREMENTS. Appel+ CURV. FRM EVAP. RESIDUE.
	$^{40}\text{Ca}(\alpha, x)$	compound-nucleus	$\sigma(E)$	factor	
7276	KLN Expt J PRL Expt P BLM-JB-78	43 79	779 1.0+1 1.0+1	2.7+1 2.8+1	Eberhard+ CURV. RATIO FUSION $^{44}\text{Ca}/^{40}\text{Ca}$. Appel+ CURV. RATIO $^{44}\text{Ca}/^{40}\text{Ca}$ CFD O.M.
	$^{40}\text{Ca}(\alpha, \text{nonelastic})$	$\sigma(E)$			
7277	MST Expt J ZP/A	292 35	79 1.0+2		Lohner+ TBL. CFD OM + CLASSICAL.
	$^{40}\text{Ca}(\alpha, \text{absorption})$	$\sigma(E)$			
7278	LAS Revv S BNL-51115 Revv S BNL-51115	513 513	779 2.2+1 779 2.2+1	1.3+3 2.2+3	De-Vries+ CURV. CFD D, HE3. A PROJ. De-Vries+ CURV. CFD EXPT AND MODEL
	$^{40}\text{Ca}(\alpha, \text{total})$	$\sigma(E)$			
7279	LAS Theo J PRL	43 1373	N79 5.0+0 5.0+2		De-Vries+ CURV. SEMI-CLASSICAL CFD EXPT
	$^{40}\text{Ca}(\alpha, x)^{38}\text{Ar}$	$\sigma(E)$			
7280	KLN Expt J PRL	43 107	779 2.0+1 2.7+1		Eberhard+ 10-120MB. TBP.
	$^{40}\text{Ca}(\alpha, x)^{39}\text{K}$	$\sigma(E)$			
7281	KLN Expt J PRL	43 107	779 2.0+1 2.7+1		Eberhard+ 10-120MB. TBP.
	$^{40}\text{Ca}(\alpha, \text{scattering})^{40}\text{Ca}$	partial spectrum	average $\sigma(E)$		
7282	MUJ Expt W ANNUAL RPT	97 74	2.3+1 2.7+1		Eberhard+ CURV. INTAD(140-180).
	$^{40}\text{Ca}(\alpha, \text{scattering})^{40}\text{Ca}$	partial average $\sigma(E)$			
7283	UBC Theo J NP/A	309 359	078 2.0+1 6.5+1		Brink+CURV. AVE. OVER THETA=141-170 DEG
	$^{40}\text{Ca}(\alpha, \text{scattering})^{40}\text{Ca}$	average $\sigma(E)$			
7284	MAU Expt J PR/C	14 548	76 2.0+1 2.6+1		Eberhard+ TBL.
	$^{40}\text{Ca}(\alpha, \text{inelastic})^{40}\text{Ca}$	partial $\sigma(E)$			
7285	KLN Expt J PRL	43 107	779 1.0+1 2.7+1		Eberhard+ NDG. 3- STATE. MAX=90MB.

REFERENCES (cont.)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		⁴⁰ Ca(α,inelastic) ⁴⁰ Ca	relative I _γ			
7286	ANL Expt J PR/C	17	1299	478 1.4+1	2.4+1	Meyer-Schulzmeister+CURV.1 G.CFD (A,2P)
		⁴⁰ Ca(α,inelastic) ⁴⁰ Ca	σ(E)			
7287	HAM Theo J PR/C	14	755	76 2.4+1		Fitz. TBL. STATISTICAL MODEL.
		⁴⁰ Ca(α,elastic) ⁴⁰ Ca	relative σ(E)			
7288	ANL Expt J PR/C	17	1299	478 1.4+1	2.4+1	Meyer-Schulzmeister+CURV.ALICE CFD OTH
		⁴⁰ Ca(α,2p) ⁴² Ca	partial relative σ(E)			
7289	ANL Expt J PR/C	17	1299	478 1.4+1	2.4+1	Meyer-Schulzmeister+CURV.ALICE CFD OTH
	Expt J PR/C	17	1299	478 1.4+1	2.4+1	Meyer-Schulzmeister+CURV.1G.CFD (A,INL)
		⁴⁰ Ca(α,d) ⁴² Sc	partial σ(E)			
7290	MSU Expt J NP/A	292	195	N77 4.0+1		Nann+ TBL. 22 LEVELS. INTAD.
		⁴⁰ Ca(α,d) ⁴² Sc	σ(E)			
7291	HAM Theo J PR/C	14	755	76 2.4+1		Fitz. TBL. STATISTICAL MODEL.
		⁴⁰ Ca(α,p) ⁴³ Sc	partial relative σ(E)			
7292	ANL Expt J PR/C	17	1299	478 1.4+1	2.4+1	Meyer-Schulzmeister+CURV.ALICE CFD OTH
	Expt J PR/C	17	1299	478 1.4+1	2.4+1	Meyer-Schulzmeister+CURV.4 GS.CFD (A,N)
		⁴⁰ Ca(α,p) ⁴³ Sc	partial σ(E)			
7293	KLN Expt P BLM-JB-77		15	478 1.0+1	2.7+1	Appel+CURV.0.88MEV LEV. FROM 90DEG MEAS
		⁴⁰ Ca(α,p) ⁴³ Sc	σ(E)			
7294	CAL Theo R OAP-422		875	TR	1.3+1	Woosley+ CURV. HAUSER-FESHBACH.
7295	HAM Theo J PR/C	14	755	76 2.4+1		Fitz. TBL. STATISTICAL MODEL.
		⁴⁰ Ca(α,n) ⁴³ Ti	partial relative σ(E)			
7296	ANL Expt J PR/C	17	1299	478 1.4+1	2.4+1	Meyer-Schulzmeister+CURV.ALICE CFD OTH
	Expt J PR/C	17	1299	478 1.4+1	2.4+1	Meyer-Schulzmeister+CURV.4 GS.CFD (A,P)
		⁴⁰ Ca(α,n) ⁴³ Ti	σ(E)			
7297	CAL Theo R OAP-422		875	TR	1.8+1	Woosley+ CURV. HAUSER-FESHBACH.
7298	HAM Theo J PR/C	14	755	76 2.4+1		Fitz. TBL. STATISTICAL MODEL.
		⁴⁰ Ca(α,γ) ⁴⁴ Ti	partial raw σ(E)			
7299	CAL Expt J NP/A	284	163	777 3.5+0	4.0+0	Cooperman+ CURV. 1083-KEY G. 10 RESONAN
		⁴⁰ Ca(α,γ) ⁴⁴ Ti	σ(E)			
7300	CAL Theo J AND	22	371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR	1.8+1	Woosley+ CURV. HAUSER-FESHBACH.
		⁴⁰ Ca(α,x)mass distribution	σ(E)			
7301	MST Expt J ZP/A	292	35	79 1.0+2		Lohner+ SIG=900*EXP(-A/1.3)MB.
		⁴⁰ Ca(α,x)isotopic distribution	σ(E)			
7302	MST Expt J ZP/A	292	35	79 1.0+2		Lohner+ CURV. P-11B. ALSO DSIG2/DEDOMEG
		⁴¹ Ca(α,γ) ⁴⁵ Ti	σ(E)			
7303	CAL Theo J AND	22	371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴² Ca(α,scattering) ⁴² Ca	partial spectrum average σ(E)			
7304	MUJ Expt W ANNUAL RPT	97	74	2.3+1	2.7+1	Eberhard+ CURV. INTAD(140-180).
		⁴² Ca(α,p) ⁴⁵ Sc	σ(E)			
7305	CAL Theo R OAP-422		875	TR	1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
		⁴² Ca(α,n) ⁴⁵ Ti	σ(E)			
7306	CAL Theo R OAP-422		875	TR	1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
7307	TOR Expt J JP/G	5	1261	979 5.4+0	1.1+1	Cheng+ TBL. CURV. ACTIV. CFD WOOSLEY+
		⁴² Ca(α,γ) ⁴⁶ Ti	σ(E)			
7308	CAL Theo J AND	22	371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR	1.1+1	Woosley+ CURV. HAUSER-FESHBACH.

REFERENCES(cont)

No.	Lab	Work	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		Type				
			$^{43}\text{Ca}(\alpha, p)^{46}\text{Sc}$			$\sigma(E)$
7309	CAL	Theo R	OAP-422	875 TR	1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
			$^{43}\text{Ca}(\alpha, n)^{46}\text{Ti}$			relative I_y
7310	CBR	Expt J	JP/G 4	1323 878	8.0+0 1.5+1	Dracoulis+CURV.220S. ALSO A2+A4 AT 11MEV
			$^{43}\text{Ca}(\alpha, n)^{46}\text{Ti}$			I_y
7311	CBR	Expt A	BAP 21	54 177		NDG. Radford+ NDG.
			$^{43}\text{Ca}(\alpha, n)^{46}\text{Ti}$			$\sigma(E)$
7312	CAL	Theo J AND	22	371 N78		NDG. Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371 N78		NDG. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422	875 TR	1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
			$^{43}\text{Ca}(\alpha, \gamma)^{47}\text{Ti}$			$\sigma(E)$
7313	CAL	Theo J AND	22	371 N78		NDG. Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371 N78		NDG. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422	875 TR	1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
			$^{44}\text{Ca}(\alpha, x)$			compound-nucleus $\sigma(E)$
7314	KLN	Expt J	PRL 43	107 779	1.0+1 2.7+1	Eberhard+ CURV. FUS=SUM OF A GT 44.
		Expt P	BLM-JB-78	46 79	1.0+1 2.8+1	Appel+ CURV. FROM GAMMA MEASUREMENTS.
			$^{44}\text{Ca}(\alpha, x)$			compound-nucleus $\sigma(E)$ factor
7315	KLN	Expt J	PRL 43	107 779	1.0+1 2.7+1	Eberhard+ CURV. RATIO FUSION $^{44}\text{Ca}/^{40}\text{Ca}$.
		Expt P	BLM-JB-78	46 79	1.0+1 2.8+1	Appel+ CURV. RATIO $^{44}\text{Ca}/^{40}\text{Ca}$ CFD O.M.
			$^{44}\text{Ca}(\alpha, \text{nonelastic})$			$\sigma(E)$
7316	MST	Expt J	JP/A 292	35 79	1.0+2	Lohner+ TBL. CFD OM + CLASSICAL.
			$^{44}\text{Ca}(\alpha, x)^{43}\text{K}$			$\sigma(E)$
7317	KLN	Expt J	PRL 43	107 779	2.0+1 2.7+1	Eberhard+ 10-70MB. TBP.
			$^{44}\text{Ca}(\alpha, x)^{42}\text{Ca}$			$\sigma(E)$
7318	KLN	Expt J	PRL 43	107 779	2.0+1 2.7+1	Eberhard+ 10-70MB. TBP.
			$^{44}\text{Ca}(\alpha, x)^{43}\text{Ca}$			$\sigma(E)$
7319	KLN	Expt J	PRL 43	107 779	2.0+1 2.7+1	Eberhard+ 10-70MB. TBP.
			$^{44}\text{Ca}(\alpha, \text{scattering})^{44}\text{Ca}$			partial average $\sigma(E)$
7320	HAU	Expt J	PR/C 14	548 76	2.0+1 2.6+1	Eberhard+ TBL.
		Expt W	ANNUAL RPT	97 74	2.3+1 2.7+1	Eberhard+ CURV. INTAD(140-180).
			$^{44}\text{Ca}(\alpha, \text{inelastic})^{44}\text{Ca}$			partial $\sigma(E)$
7321	KLN	Expt J	PRL 43	107 779	1.0+1 2.7+1	Eberhard+ NDG. 2+ STATE. MAX=200MB.
			$^{44}\text{Ca}(\alpha, \text{inelastic})^{44}\text{Ca}$			$\sigma(E)$
7322	HAM	Theo J	PR/C 14	755 76	2.4+1	Fitz. TBL. STATISTICAL MODEL.
			$^{44}\text{Ca}(\alpha, d)^{46}\text{Sc}$			$\sigma(E)$
7323	HAM	Theo J	PR/C 14	755 76	2.4+1	Fitz. TBL. STATISTICAL MODEL.
			$^{44}\text{Ca}(\alpha, p)^{47}\text{Sc}$			$\sigma(E)$
7324	CAL	Theo R	OAP-422	875 TR	1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
7325	HAM	Theo J	PR/C 14	755 76	2.4+1	Fitz. TBL. STATISTICAL MODEL.
			$^{44}\text{Ca}(\alpha, n)^{47}\text{Ti}$			$\sigma(E)$
7326	CAL	Theo R	OAP-422	875 TR	1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
7327	HAM	Theo J	PR/C 14	755 76	2.4+1	Fitz. TBL. STATISTICAL MODEL.
			$^{44}\text{Ca}(\alpha, \gamma)^{48}\text{Ti}$			$\sigma(E)$
7328	CAL	Theo J AND	22	371 N78		NDG. Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371 N78		NDG. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R	OAP-422	875 TR	1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
			$^{44}\text{Ca}(\alpha, x)$			mass distribution $\sigma(E)$
7329	MST	Expt J	JP/A 292	35 79	1.0+2	Lohner+ SIG=900*EXP(-A/1.3)MB.
			$^{44}\text{Ca}(\alpha, x)$			isotopic distribution $\sigma(E)$
7330	MST	Expt J	JP/A 292	35 79	1.0+2	Lohner+ CURV. P-11B. ALSO DOUBLE DIFF.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		Type				
						⁴⁵ Ca(α,n) ⁴⁸ Ti σ(E)
7331	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
						⁴⁵ Ca(α,γ) ⁴⁹ Ti σ(E)
7332	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
						⁴⁶ Ca(α,p) ⁴⁹ Sc σ(E)
7333	CAL	Theo R OAP-422		875	TR	1.1+1 Woosley+ CURV. HAUSER-FESHBACH.
						⁴⁶ Ca(α,n) ⁴⁹ Ti σ(E)
7334	CAL	Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
						⁴⁶ Ca(α,γ) ⁵⁰ Ti σ(E)
7335	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
						⁴⁷ Ca(α,n) ⁵⁰ Ti σ(E)
7336	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
						⁴⁷ Ca(α,γ) ⁵¹ Ti σ(E)
7337	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
						⁴⁸ Ca(α,scattering) ⁴⁸ Ca partial spectrum average σ(E)
7338	MUJ	Expt W ANNUAL RPT	97	74	2.3+1 2.7+1	Eberhard+ CURV. INTAD(140-180).
						⁴⁸ Ca(α,p) ⁵¹ Sc σ(E)
7339	CAL	Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
						⁴⁸ Ca(α,2n) ⁵⁰ Ti partial relative σ(E)
7340	STR	Expt J NP/A 327	295	979	2.4+1 2.7+1	Styczen+ CURV. GE(LI). 55 DEGREES. 8 GS
						⁴⁸ Ca(α,n) ⁵¹ Ti σ(E)
7341	CAL	Theo R OAP-422		875	TR	1.4+1 Woosley+ CURV. HAUSER-FESHBACH.
						⁴⁸ Ca(α,γ) ⁵² Ti σ(E)
7342	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875	TR	1.4+1 Woosley+ CURV. HAUSER-FESHBACH.
						⁴² Sc(α,p) ⁴⁵ Ti σ(E)
7343	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
						⁴² Sc(α,γ) ⁴⁶ V σ(E)
7344	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
						⁴³ Sc(α,p) ⁴⁶ Ti σ(E)
7345	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
						⁴³ Sc(α,γ) ⁴⁷ V σ(E)
7346	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
						⁴⁴ Sc(α,p) ⁴⁷ Ti σ(E)
7347	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
						⁴⁴ Sc(α,γ) ⁴⁸ V σ(E)
7348	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
						⁴⁵ Sc(α,inelastic) ⁴⁵ Sc partial raw thick target yield
7349	SUN	Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.

REFERENCES(cont.)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
$^{46}\text{Sc}(\alpha, t)^{46}\text{Ti}$ partial $\sigma(E)$						
7350	IJI Expt J YF	25	473	377 2.7+1	Tokarevskii+TBL	0+.2+.INTAD.LT 90.GT 90
	Expt J SNP	25	255	77 2.7+1		.TRANSLATION OF YF 25(3),473(1977)
$^{46}\text{Sc}(\alpha, t)^{46}\text{Ti}$ partial $\sigma(E)$ x factor						
7351	IJI Expt J YF	25	473	377 2.7+1	Tokarevskii+TBL	0+.2+. (2J(F)+1)/(2J(1)+1)
	Expt J SNP	25	255	77 2.7+1		.TRANSLATION OF YF 25(3),473(1977)
$^{46}\text{Sc}(\alpha, p)^{46}\text{Ti}$ $\sigma(E)$						
7352	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG.	SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR	1.1+1 Woosley+ CURV.	HAUSER-FESHBACH.
$^{46}\text{Sc}(\alpha, n)^{46}\text{V}$ $\sigma(E)$						
7353	CAL Theo R OAP-422		875	TR	8.7+0 Woosley+ CURV.	HAUSER-FESHBACH.
$^{46}\text{Sc}(\alpha, \gamma)^{46}\text{V}$ $\sigma(E)$						
7354	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG.	SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR	8.7+0 Woosley+ CURV.	HAUSER-FESHBACH.
$^{46}\text{Sc}(\alpha, p)^{46}\text{Ti}$ $\sigma(E)$						
7355	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG.	SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{46}\text{Sc}(\alpha, n)^{46}\text{V}$ $\sigma(E)$						
7356	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG.	SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{46}\text{Sc}(\alpha, \gamma)^{50}\text{V}$ $\sigma(E)$						
7357	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG.	SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{47}\text{Sc}(\alpha, p)^{50}\text{Ti}$ $\sigma(E)$						
7358	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG.	SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{47}\text{Sc}(\alpha, \gamma)^{51}\text{V}$ $\sigma(E)$						
7359	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG.	SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{48}\text{Sc}(\alpha, p)^{51}\text{Ti}$ $\sigma(E)$						
7360	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG.	SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{48}\text{Sc}(\alpha, n)^{51}\text{V}$ $\sigma(E)$						
7361	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG.	SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{48}\text{Sc}(\alpha, \gamma)^{52}\text{V}$ $\sigma(E)$						
7362	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG.	SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{48}\text{Sc}(\alpha, \gamma)^{53}\text{V}$ $\sigma(E)$						
7363	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG.	SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{50}\text{Sc}(\alpha, n)^{53}\text{V}$ $\sigma(E)$						
7364	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG.	SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{50}\text{Sc}(\alpha, \gamma)^{54}\text{V}$ $\sigma(E)$						
7365	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG.	SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$\text{Ti}(\alpha, \text{total})$ $\sigma(E)$						
7366	IJI Revv J FCY	6	827	75 4.0+1	Nemels+ TBL.	FROM PR 131.(25)(1966).
	Revv J SJPN	6	325	76 4.0+1		. TRANSLATION OF FCY 6.(4),827(1975).
$\text{Ti}(\alpha, x)$ thick target yield						
7367	CCP Expt R YK-	21	73	76 4.6+1	Malusevich+ CURV.	TBL. THETA = 0 DEG.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Ti(α ,x) γ thick target yield					
7367	CCP Expt R	INDC(CCP)-103	577	4.6+1	.TRANSLATION OF T. OF C.(YK 21,73(1976)
Ti(α ,x) 3 H thick target yield					
7368	BRK Expt J PR	120 1354	60	4.8+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107 1311	57	4.8+1	. SOME EXPERIMENTAL DETAILS.
	Expt 4	EXFORB00080.023	078	4.0+1	. (112.73+-10PERCENT)MB.
7369	KFK Comp B	PH-DAT 15 2	079	4.8+1	Muenzel+ TBL. FROM EXFOR.
Ti(α ,x) 3 H product yield					
7370	BRK Expt J PR	120 1354	60	4.8+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107 1311	57	4.8+1	. SOME EXPERIMENTAL DETAILS.
	Expt 4	EXFORB00080.023	078	4.8+1	. (3.74E-5+-10PERCENT)T/INCIDENT A.
7371	KFK Comp B	PH-DAT 15 2	079	4.8+1	Muenzel+ TBL. FROM EXFOR.
Ti(α ,x) 48 Cr σ (E)					
7372	JUL Expt A JLCR	16 131	79	NDG	Weinrich+ NDG.
	Expt P	JUEL-SPEZ-1560	678	2.0+1	1.8+2 Probst+ CURV.
	Expt P	NEANDC(E)-1925	478	2.0+1	1.8+2 Probst+ CURV. P 47.
Ti(α ,x) 48 Cr σ (E) $\times$ factor					
7373	JUL Expt P	JUEL-SPEZ-1560	678	2.0+1	1.8+2 Probst+ CURV. CR51/CR48
Ti(α ,x) 48 Cr cumulative thick target yield					
7374	JUL Expt P	NEANDC(E)-1925	478	1.0+1	1.4+1 Probst+CURV. CUM YLD IN MUCI/MUAP P 47
Ti(α ,x) 51 Cr σ (E) $\times$ factor					
7375	JUL Expt P	JUEL-SPEZ-1560	678	2.0+1	1.8+2 Probst+ CURV. CR51/CR48
Ti(α ,x)isotopic distribution σ (E)					
7376	JUL Expt P	JUEL-SPEZ-3620	479	2.0+1	1.7+2 Michel+ NDG. (A,XN) TO (A,10PXN). TBA.
44 Ti(α , γ) 48 Cr σ (E)					
7377	CAL Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
45 Ti(α ,p) 48 V σ (E)					
7378	CAL Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo, J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
45 Ti(α , γ) 48 Cr σ (E)					
7379	CAL Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
46 Ti(α ,inelastic) 46 Ti partial raw thick target yield, abundance					
7380	SUN Expt J JRC	50 307	79	5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
48 Ti(α ,p) 49 V σ (E)					
7381	CAL Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
48 Ti(α ,n) 48 Cr σ (E)					
7382	CAL Theo R OAP-422		875	TR	1.5+1 Woosley+ CURV. HAUSER-FESHBACH.
48 Ti(α , γ) 50 Cr σ (E)					
7383	CAL Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR	1.5+1 Woosley+ CURV. HAUSER-FESHBACH.
47 Ti(α ,inelastic) 47 Ti σ (E)					
7384	MUO Expt W ANNUAL RPT	51 76	1.5+1		Pieper. (83.3+-16)MB.
47 Ti(α ,inelastic) 47 Ti partial raw thick target yield, abundance					
7385	SUN Expt J JRC	50 307	79	5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
47 Ti(α ,p) 50 V σ (E)					
7386	CAL Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
7387	MUO Expt W ANNUAL RPT	51 76	1.5+1		Pieper. (140+-28)MB.
47 Ti(α ,n) 50 Cr σ (E)					
7388	CAL Theo R OAP-422		875	TR	1.4+1 Woosley+ CURV. HAUSER-FESHBACH.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{47}\text{Ti}(\alpha, \gamma)^{51}\text{Cr}$ $\sigma(E)$			
7389	CAL Theo J AND Theo J AND Theo R OAP-422	22 371 N78 NDG 371 N78 NDG 875 TR			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMUNUC. REAC. RT. PAR 1.4+1 Woosley+ CURV. HAUSER-FESHBACH.
		$^{48}\text{Ti}(\alpha, x)^{46}\text{Ti}$ relative $\sigma(E)$			
7390	GRE Expt J NP/A 292	213 N77 2.1+1 3.5+1			Giori+ CURV.
		$^{48}\text{Ti}(\alpha, x)^{47}\text{Ti}$ relative $\sigma(E)$			
7391	GRE Expt J NP/A 292	213 N77 2.1+1 3.5+1			Giori+ CURV.
		$^{48}\text{Ti}(\alpha, \text{scattering})^{48}\text{Ti}$ relative $\sigma(E)$			
7392	GRE Expt J NP/A 292	213 N77 2.1+1 3.5+1			Giori+ CURV. ,
		$^{48}\text{Ti}(\alpha, \text{inelastic})^{48}\text{Ti}$ partial raw thick target yield $\times$ abundance			
7393	SUN Expt J JRC 50	307 79 5.0+0			Giles+ TBL. SURVEY OF PROMPT GS.
		$^{48}\text{Ti}(\alpha, x)^{48}\text{V}$ relative $\sigma(E)$			
7394	GRE Expt J NP/A 292	213 N77 2.7+1 3.5+1			Giori+ CURV.
		$^{48}\text{Ti}(\alpha, x)^{50}\text{V}$ relative $\sigma(E)$			
7395	GRE Expt J NP/A 292	213 N77 2.1+1 3.5+1			Giori+ CURV.
		$^{48}\text{Ti}(\alpha, x)^{50}\text{V}$ relative I_γ			
7396	GRE Expt J NP/A 292	213 N77 3.2+1			Giori+ TBL. CURV. 9 GAMMAS.
		$^{48}\text{Ti}(\alpha, p)^{51}\text{V}$ relative $\sigma(E)$			
7397	GRE Expt J NP/A 292	213 N77 2.1+1 3.5+1			Giori+ CURV.
		$^{48}\text{Ti}(\alpha, p)^{51}\text{V}$ $\sigma(E)$			
7398	CAL Theo R OAP-422	875 TR	1.2+1		Woosley+ CURV. HAUSER-FESHBACH.
		$^{48}\text{Ti}(\alpha, 3n)^{48}\text{Cr}$ relative $\sigma(E)$			
7399	GRE Expt J NP/A 292	213 N77 3.1+1 3.5+1			Giori+ CURV.
		$^{48}\text{Ti}(\alpha, 2n)^{50}\text{Cr}$ relative $\sigma(E)$			
7400	GRE Expt J NP/A 292	213 N77 2.1+1 3.5+1			Giori+ CURV.
		$^{48}\text{Ti}(\alpha, n)^{51}\text{Cr}$ partial raw thick target yield $\times$ abundance			
7401	SUN Expt J JRC 50	307 79 5.0+0			Giles+ TBL. SURVEY OF PROMPT GS.
		$^{48}\text{Ti}(\alpha, n)^{51}\text{Cr}$ relative $\sigma(E)$			
7402	GRE Expt J NP/A 292	213 N77 2.1+1 3.5+1			Giori+ CURV.
		$^{48}\text{Ti}(\alpha, n)^{51}\text{Cr}$ $\sigma(E)$			
7403	CAL Theo R OAP-422	875 TR	1.4+1		Woosley+ CURV. HAUSER-FESHBACH.
		$^{48}\text{Ti}(\alpha, \gamma)^{52}\text{Cr}$ $\sigma(E)$			
7404	CAL Theo J AND Theo J AND Theo R OAP-422	22 371 N78 NDG 371 N78 NDG 875 TR			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMUNUC. REAC. RT. PAR 1.4+1 Woosley+ CURV. HAUSER-FESHBACH.
		$^{48}\text{Ti}(\alpha, p)^{52}\text{V}$ $\sigma(E)$			
7405	CAL Theo R OAP-422	875 TR	1.2+1		Woosley+ CURV. HAUSER-FESHBACH.
		$^{48}\text{Ti}(\alpha, n)^{52}\text{Cr}$ $\sigma(E)$			
7406	CAL Theo J AND Theo J AND Theo R OAP-422	22 371 N78 NDG 371 N78 NDG 875 TR			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMUNUC. REAC. RT. PAR 1.3+1 Woosley+ CURV. HAUSER-FESHBACH.
		$^{48}\text{Ti}(\alpha, \gamma)^{53}\text{Cr}$ $\sigma(E)$			
7407	CAL Theo J AND Theo J AND Theo R OAP-422	22 371 N78 NDG 371 N78 NDG 875 TR			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMUNUC. REAC. RT. PAR 1.3+1 Woosley+ CURV. HAUSER-FESHBACH.
		$^{50}\text{Ti}(\alpha, p)^{53}\text{V}$ $\sigma(E)$			
7408	CAL Theo R OAP-422	875 TR	1.2+1		Woosley+ CURV. HAUSER-FESHBACH.
		$^{50}\text{Ti}(\alpha, 2n)^{52}\text{Cr}$ relative I_γ			
7409	BUC Expt J NP/A 284	65 777 1.8+1 2.5+1			Berinde+ CURV. 11 GAMMAS. 125 DEG.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		⁵⁰ Ti(a,2n) ⁵² Cr partial relative σ(E)				
7410	STR Expt J	NP/A 327	295	979	2.7+1	3.3+1 Styczen+ CURV. GE(LI). 55 DEGREES. 12 G
		⁵⁰ Ti(a,n) ⁵³ Cr σ(E)				
7411	CAL Theo R	OAP-422	875	TR	1.4+1	Woosley+ CURV. HAUSER-FESHBACH.
		⁵⁰ Ti(a,γ) ⁵⁴ Cr σ(E)				
7412	CAL Theo J AND Theo J AND Theo R	22 22 22	371 371 875	N78 NDG N78 NDG TR		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR 1.4+1 Woosley+ CURV. HAUSER-FESHBACH.
		⁵¹ Ti(a,n) ⁵⁴ Cr σ(E)				
7413	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁵¹ Ti(a,γ) ⁵⁵ Cr σ(E)				
7414	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁵² Ti(a,n) ⁵³ Cr σ(E)				
7415	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁵² Ti(a,γ) ⁵⁶ Cr σ(E)				
7416	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		V(a,total) σ(E)				
7417	IJ Rev J FCY Rev J SJPN	6 6	827 325	75 76	4.0+1 4.0+1	Nemets+ TBL. FROM PR 131,1251(1966). . TRANSLATION OF FCY 6,(4),827(1975).
		⁴⁶ V(a,p) ⁴⁶ Cr σ(E)				
7418	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁶ V(a,γ) ⁵⁰ Mn σ(E)				
7419	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁷ V(a,p) ⁵⁰ Cr σ(E)				
7420	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁷ V(a,γ) ⁵¹ Mn σ(E)				
7421	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁸ V(a,p) ⁵¹ Cr σ(E)				
7422	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁸ V(a,γ) ⁵² Mn σ(E)				
7423	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁹ V(a,p) ⁵² Cr σ(E)				
7424	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁴⁹ V(a,γ) ⁵³ Mn σ(E)				
7425	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁵⁰ V(a,d) ⁵² Cr partial σ(E)				
7426	PAD Expt J	NCL 22	431	78	1.4+1	Calvelli+CURV.INTAD(90-140).G.S.+ 9 LEV
		⁵⁰ V(a,p) ⁵³ Cr σ(E)				
7427	CAL Theo J AND Theo J AND Theo R	22 22 22	371 371 875	N78 NDG N78 NDG TR		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR 1.2+1 Woosley+ CURV. HAUSER-FESHBACH.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{50}\text{V}(\alpha, n)^{53}\text{Mn}$ $\sigma(E)$					
7428	CAL Theo R	OAP-422	875	4.2+0 1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
$^{50}\text{V}(\alpha, \gamma)^{54}\text{Mn}$ $\sigma(E)$					
7429	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875	1.3+0 1.1+1	Woosley+ CURV. HAUSER-FESHBACH.	
$^{51}\text{V}(\alpha, \text{total})$ $\sigma(E)$					
7430	IJI Revv J FCY	6 827	75	5.0+0 4.5+1	Nemels+ CURV.
	Revv J SJPN	6 325	76	5.0+0 4.5+1	. TRANSLATION OF FCY 6.(4).827(75).
$^{51}\text{V}(\alpha, x)^{53}\text{H}$ product yield					
7431	KFK Expt J NP/A	333 173 180	2.0+1 5.0+1	Merkel+ TBL. T PER A. STOPPED ALL T.	
$^{51}\text{V}(\alpha, x)^{53}\text{H}$ average $\sigma(E)$					
7432	KFK Expt J NP/A	333 173 180	1.2+1 5.0+1	Merkel+ TBL. 4 ENERGY GROUPS.	
	Expt P NEANDC(E)-1925	478 1.2+1 5.0+1	Merkel+ CURV. FRM TTY P 68.		
$^{51}\text{V}(\alpha, x)^{53}\text{H}$ $\sigma(E)$					
7433	KFK Expt J NP/A	333 173 180	1.2+1 5.0+1	Merkel+ CURV. THEORY CFD MEAN SIGMA.	
$^{51}\text{V}(\alpha, 3n+2\alpha)^{44}\text{Sc}$ $\sigma(E)$					
7434	KFK Comp B PH-DAT	15 1 079	6.9+1 1.2+2	Muenzel+ TBL. FROM EXFOR.	
7435	ROC Exth J NP/A	131 513 69	6.9+1 1.2+2	Bowmann+ CURV. ACTIV. AT BRK, ORL.	
	Exth 4 EXFORB0009.009	076 6.9+1 1.2+2	. 49 DATA POINTS. T1/2=2.44 DAYS.		
$^{51}\text{V}(\alpha, n+2\alpha)^{46}\text{Sc}$ including metastable $\sigma(E)$					
7436	KFK Comp B PH-DAT	15 1 079	4.6+1 1.2+2	Muenzel+ TBL. FROM EXFOR.	
7437	ROC Exth J NP/A	131 513 69	4.6+1 1.2+2	Bowmann+ CURV. ACTIV. AT BRK, ORL.	
	Exth 4 EXFORB0009.008	076 4.6+1 1.2+2	. 45 DATA POINTS.		
$^{51}\text{V}(\alpha, 2\alpha)^{47}\text{Sc}$ $\sigma(E)$					
7438	KFK Comp B PH-DAT	15 1 079	3.2+1 1.2+2	Muenzel+ TBL. FROM EXFOR.	
7439	ROC Exth J NP/A	131 513 69	3.2+1 1.2+2	Bowmann+ CURV. ACTIV. AT ANL, BRK, ORL.	
	Exth 4 EXFORB0009.007	076 3.2+1 1.2+2	. 72 DATA POINTS.		
$^{51}\text{V}(\alpha, n+2p+\alpha)^{48}\text{Sc}$ $\sigma(E)$					
7440	KFK Comp B PH-DAT	15 1 079	6.1+1 1.2+2	Muenzel+ TBL. FROM EXFOR.	
7441	ROC Exth J NP/A	131 513 69	6.1+1 1.2+2	Bowmann+ CURV. ACTIV. AT BRK, ORL.	
	Exth 4 EXFORB0009.006	076 6.1+1 1.2+2	. 63 DATA POINTS.		
$^{51}\text{V}(\alpha, 3n+\alpha)^{48}\text{V}$ $\sigma(E)$					
7442	KFK Comp B PH-DAT	15 1 079	5.2+1 1.2+2	Muenzel+ TBL. FROM EXFOR.	
7443	ROC Exth J NP/A	131 513 69	5.2+1 1.2+2	Bowmann+ CURV. ACTIV. AT ANL, BRK, ORL.	
	Exth 4 EXFORB0009.005	076 5.2+1 1.2+2	. 81 DATA POINTS.		
$^{51}\text{V}(\alpha, \text{scattering})^{51}\text{V}$ partial spectrum average $\sigma(E)$					
7444	MU Expt W ANNUAL RPT	97 74	2.3+1 2.7+1	Eberhard+ CURV. INTAD(140-180).	
$^{51}\text{V}(\alpha, \text{inelastic})^{51}\text{V}$ partial raw thick target yield					
7445	SUN Expt J JRC	50 307	79	5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
$^{51}\text{V}(\alpha, 3n+p)^{51}\text{Cr}$ $\sigma(E)$					
7446	KFK Comp B PH-DAT	15 1 079	2.9+1 1.2+2	Muenzel+ TBL. FROM EXFOR.	
7447	ROC Exth J NP/A	131 513 69	2.9+1 1.2+2	Bowmann+ CURV. ACTIV. AT ANL, BRK, ORL.	
	Exth 4 EXFORB0009.004	076 2.9+1 1.2+2	. 79 DATA POINTS.		
$^{51}\text{V}(\alpha, t)^{52}\text{Cr}$ partial $\sigma(E)$ factor					
7448	MOS Expt J NP/A	298 206	478	2.5+1	Lebedev+ TBL. T0-T1 GRPS. INTAD(115-170)
7449	IJI Expt J YF	25 473	377	2.7+1	Tokarevskii+TBL.0+.2+.INTAD.LT 90.GT 90
	Expt J SNP	25 255	77	2.7+1	.TRANSLATION OF YF 25(31).473(1977)
$^{51}\text{V}(\alpha, t)^{52}\text{Cr}$ partial $\sigma(E)$ factor					
7450	IJI Expt J YF	25 473	377	2.7+1	Tokarevskii+TBL.0+.2+.(2J(F)+1)/(2J(I)+1)
	Expt J SNP	25 255	77	2.7+1	.TRANSLATION OF YF 25(31).473(1977)
$^{51}\text{V}(\alpha, p)^{54}\text{Cr}$ $\sigma(E)$					
7451	CAL Theo R OAP-422	875	TR	1.2+1	Woosley+ CURV. HAUSER-FESHBACH.

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{51}\text{V}(\alpha, 3n)^{52}\text{Mn}$ including metastable $\sigma(E)$				
7452 KFK Comp B PH-DAT 15	1 079	2.3+1	1.2+2	Muenzel+ TBL. FROM EXFOR.
7453 ROC Exth J NP/A 131	513 69	2.3+1	1.2+2	Bowmann+ CURV. ACTIV. AT ANL, BRK, ORL.
Exth 4 EXFORB0009.003	578	2.3+1	8.5+1	. 92 DATA POINTS.
$^{51}\text{V}(\alpha, 3n)^{52}\text{Mn}$ including metastable? $\sigma(E)$				
7454 KFK Comp B PH-DAT 15	1 079	2.3+1	1.2+2	Muenzel+ TBL. FROM EXFOR.
7455 ROC Exth J NP/A 131	513 69	2.3+1	1.2+2	Bowmann+ CURV. ACTIVATION
Exth 4 EXFORB0009.003	076	2.3+1	1.2+2	. 92 ENTRIES.
$^{51}\text{V}(\alpha, n)^{54}\text{Mn}$ partial raw thick target yield				
7456 SUN Expt J JRC 50	307 79	5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
$^{51}\text{V}(\alpha, n)^{54}\text{Mn}$ $\sigma(E)$				
7457 CAL Theo R OAP-422	875	TR	1.0+1	Woosley+ CURV. HAUSER-FESHBACH.
7458 KFK Comp B PH-DAT 15	1 079	6.6+0	8.5+1	Muenzel+ TBL. FROM EXFOR.
7459 ROC Exth J NP/A 131	513 69	6.6+0	8.5+1	Bowmann+ CURV. ACTIV. AT ANL, BRK, ORL.
Exth 4 EXFORB0009.002	076	6.6+0	8.5+1	. 45 DATA POINTS.
$^{51}\text{V}(\alpha, n)^{54}\text{Mn}$ thick target yield				
7460 CLU Expt A BAP 24	847 979	TR		+1 Roughton+ NDG. EXTR. REACT. RATES.
$^{51}\text{V}(\alpha, n)^{54}\text{Mn}$ partial relative $\sigma(E)$				
7461 CCP Expt J IZV 43	2167 79	6.8+0	1.5+1	Kydojarov+ CURV. 3 GS.
$^{51}\text{V}(\alpha, \gamma)^{55}\text{Mn}$ $\sigma(E)$				
7462 CAL Theo J AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
Theo R OAP-422	875	TR	1.0+1	Woosley+ CURV. HAUSER-FESHBACH.
$^{52}\text{V}(\alpha, n)^{55}\text{Mn}$ $\sigma(E)$				
7463 CAL Theo J AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{52}\text{V}(\alpha, \gamma)^{56}\text{Mn}$ $\sigma(E)$				
7464 CAL Theo J AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{53}\text{V}(\alpha, \gamma)^{57}\text{Mn}$ $\sigma(E)$				
7465 CAL Theo J AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{54}\text{V}(\alpha, n)^{57}\text{Mn}$ $\sigma(E)$				
7466 CAL Theo J AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{54}\text{V}(\alpha, \gamma)^{58}\text{Mn}$ $\sigma(E)$				
7467 CAL Theo J AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$\text{Cr}(\alpha, \text{total})$ $\sigma(E)$				
7468 IJI Revv J FCY 6	827 75	2.5+1		Nemets+ TBL. FROM NP/A 106, 21(1968).
Revv J SJPN 6	325 76	2.5+1		. TRANSLATION OF FCY 6, (4), 827(1975).
$^{48}\text{Cr}(\alpha, p)^{51}\text{Mn}$ $\sigma(E)$				
7469 CAL Theo J AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{48}\text{Cr}(\alpha, \gamma)^{52}\text{Fe}$ $\sigma(E)$				
7470 CAL Theo J AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{49}\text{Cr}(\alpha, p)^{52}\text{Mn}$ $\sigma(E)$				
7471 CAL Theo J AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{49}\text{Cr}(\alpha, \gamma)^{53}\text{Fe}$ $\sigma(E)$				
7472 CAL Theo J AND 22	371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND 22	371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
			⁵⁰ Cr(a,inelastic) ⁵⁰ Cr	partial raw thick target yield*abundance			
7473	SUN	Expt J JRC	50	307	79 5.0+0	Giles+	TBL. SURVEY OF PROMPT GS.
			⁵⁰ Cr(a,p) ⁵³ Mn	partial $\sigma(E)$ *factor			
7474	CBR	Expt J NP/A	303	154	678 2.6+1	Aniol+	CURV. SUM SIG(THETA)/DWBA CFD OTH
			⁵⁰ Cr(a,p) ⁵³ Mn	$\sigma(E)$			
7475	CAL	Theo R OAP-422		875	TR	1.2+1 Woosley+	CURV. HAUSER-FESHBACH.
			⁵⁰ Cr(a,2n) ⁵² Fe	thick target yield*abundance			
7476	AML	Revu J IRE	26	2281	479 3.0+1	Chaudri.	TBL. CFD EXP. TO CALC.
			⁵⁰ Cr(a,2n) ⁵² Fe	$\sigma(E)$			
7477	UK	Expt A JLCR	16	218	79 TR	2.8+1 Waters+	NDG. SPINNING WHEEL TRGT.
			⁵⁰ Cr(a,n) ⁵³ Fe	$\sigma(E)$			
7478	CAL	Theo R OAP-422		875	TR	1.6+1 Woosley+	CURV. HAUSER-FESHBACH.
			⁵⁰ Cr(a,y) ⁵⁴ Fe	$\sigma(E)$			
7479	CAL	Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875	TR	1.6+1 Woosley+	CURV. HAUSER-FESHBACH.
			⁵¹ Cr(a,y) ⁵⁵ Fe	$\sigma(E)$			
7480	CAL	Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
			⁵² Cr(a,inelastic) ⁵² Cr	partial product yield			
7481	TNL	Expt A BAP	24	646	479 8.0+0	1.8+1 Weller+	NDG. FIRST 2+. GQR.
			⁵² Cr(a,p) ⁵⁵ Mn	partial $\sigma(E)$ *factor			
7482	CBR	Expt J NP/A	303	154	678 2.6+1	Aniol+	CURV. SUM SIG(THETA)/DWBA CFD OTH
			⁵² Cr(a,p) ⁵⁵ Mn	$\sigma(E)$			
7483	CAL	Theo R OAP-422		875	TR	1.2+1 Woosley+	CURV. HAUSER-FESHBACH.
			⁵² Cr(a,2n) ⁵⁴ Fe	partial relative $\sigma(E)$			
7484	STR	Expt J NP/A	327	295	979 2.7+1	3.0+1 Styczen+	CURV. GE(L1). 55 DEGREES. 5 GS
			⁵² Cr(a,n) ⁵³ Fe	$\sigma(E)$			
7405	CAL	Theo R OAP-422		875	TR	1.5+1 Woosley+	CURV. HAUSER-FESHBACH.
			⁵² Cr(a,y) ⁵⁶ Fe	$\sigma(E)$			
7486	CAL	Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875	TR	1.5+1 Woosley+	CURV. HAUSER-FESHBACH.
			⁵³ Cr(a,inelastic) ⁵³ Cr	partial raw thick target yield*abundance			
7487	SUN	Expt J JRC	50	307	79 5.0+0	Giles+	TBL. SURVEY OF PROMPT GS.
			⁵³ Cr(a,inelastic) ⁵³ Cr	partial thick target yield*factor			
7488	TRM	Expt J JP/G	3	1246	977 4.0+0	7.0+0 Patrawale+	CURV. NAT. CR. 1.006+1.286 G
		Expt J JP/G	3	1246	977 4.0+0	7.0+0 Patrawale+	NDG. 8 G'S. B(E2) + B(M1).
7489	VIP	Expt J JP/G	3	1246	977 4.0+0	7.0+0 Patrawale+	CURV. NAT. CR. 1.006+1.286 G
		Expt J JP/G	3	1246	977 4.0+0	7.0+0 Patrawale+	NDG. 8 G'S. B(E2) + B(M1).
			⁵³ Cr(a,p) ⁵⁶ Mn	$\sigma(E)$			
7490	CAL	Theo R OAP-422		875	TR	1.2+1 Woosley+	CURV. HAUSER-FESHBACH.
			⁵³ Cr(a,n) ⁵⁶ Fe	$\sigma(E)$			
7491	CAL	Theo R OAP-422		875	TR	1.3+1 Woosley+	CURV. HAUSER-FESHBACH.
			⁵³ Cr(a,y) ⁵⁷ Fe	$\sigma(E)$			
7492	CAL	Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875	TR	1.3+1 Woosley+	CURV. HAUSER-FESHBACH.
			⁵⁴ Cr(a,inelastic) ⁵⁴ Cr	partial raw thick target yield*abundance			
7493	SUN	Expt J JRC	50	307	79 5.0+0	Giles+	TBL. SURVEY OF PROMPT GS.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
						$^{54}\text{Cr}(\alpha, p)^{57}\text{Mn}$ $\sigma(E)$
7494	CAL	Theo R	OAP-422	875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
						$^{54}\text{Cr}(\alpha, n)^{57}\text{Fe}$ $\sigma(E)$
7495	CAL	Theo R	OAP-422	875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
						$^{54}\text{Cr}(\alpha, \gamma)^{58}\text{Fe}$ $\sigma(E)$
7496	CAL	Theo J AND Theo J AND Theo R OAP-422	22 22 22	371 371 875	N78 NDG N78 NDG TR	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR 1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
						$^{55}\text{Cr}(\alpha, n)^{58}\text{Fe}$ $\sigma(E)$
7497	CAL	Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{55}\text{Cr}(\alpha, \gamma)^{58}\text{Fe}$ $\sigma(E)$
7498	CAL	Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{56}\text{Cr}(\alpha, \gamma)^{60}\text{Fe}$ $\sigma(E)$
7499	CAL	Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{57}\text{Cr}(\alpha, n)^{60}\text{Fe}$ $\sigma(E)$
7500	CAL	Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{57}\text{Cr}(\alpha, \gamma)^{61}\text{Fe}$ $\sigma(E)$
7501	CAL	Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{58}\text{Cr}(\alpha, n)^{61}\text{Fe}$ $\sigma(E)$
7502	CAL	Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{58}\text{Cr}(\alpha, \gamma)^{62}\text{Fe}$ $\sigma(E)$
7503	CAL	Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{49}\text{Mn}(\alpha, p)^{52}\text{Fe}$ $\sigma(E)$
7504	CAL	Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{50}\text{Mn}(\alpha, p)^{53}\text{Fe}$ $\sigma(E)$
7505	CAL	Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{51}\text{Mn}(\alpha, p)^{54}\text{Fe}$ $\sigma(E)$
7506	CAL	Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{51}\text{Mn}(\alpha, \gamma)^{55}\text{Co}$ $\sigma(E)$
7507	CAL	Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{52}\text{Mn}(\alpha, p)^{55}\text{Fe}$ $\sigma(E)$
7508	CAL	Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{52}\text{Mn}(\alpha, \gamma)^{56}\text{Co}$ $\sigma(E)$
7509	CAL	Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{53}\text{Mn}(\alpha, p)^{56}\text{Fe}$ $\sigma(E)$
7510	CAL	Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
						$^{53}\text{Mn}(\alpha, \gamma)^{57}\text{Co}$ $\sigma(E)$
7511	CAL	Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author. Comments
$^{54}\text{Mn}(\alpha, \gamma)^{58}\text{Co}$ $\sigma(E)$					
7512	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{55}\text{Mn}(\alpha, \text{inelastic})^{55}\text{Mn}$ relative I_γ					
7513	PAD Expt J NCL	22	593 878	4.5+0 7.0+0	Fazzini+ CURV. 3 GS. CFD THEORY
$^{55}\text{Mn}(\alpha, \text{inelastic})^{55}\text{Mn}$ partial raw thick target yield, $\times$ abundance					
7514	SUN Expt J JRC	50	307 79	5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
$^{55}\text{Mn}(\alpha, p)^{58}\text{Fe}$ I_γ					
7515	SAC Expt J NP/A	293	125 D77	1.2+1 2.4+1	Cavallaro+NDG.GAMMAS AT 55+90DEG.HIGHSP
$^{55}\text{Mn}(\alpha, p)^{58}\text{Fe}$ $\sigma(E)$					
7516	CAL Theo R OAP-422		875 TR	1.2+1	Woosley+ CURV. HAUSER-FESHBACH.
$^{55}\text{Mn}(\alpha, n)^{55}\text{Co}$ $\sigma(E)$					
7517	TOK Expt A JLCR	16	216 79	+1 4.0+1	Watanabe+ NDG.
$^{55}\text{Mn}(\alpha, n)^{58}\text{Co}$ $\sigma(E)$					
7518	CAL Theo R OAP-422		875 TR	9.7+0	Woosley+ CURV. HAUSER-FESHBACH.
7519	OSU Expt A BAP	21	587 76	5.0+0 1.1+1	Morgan+ NDG. MEASURED RESIDUAL ACTIVITY
$^{55}\text{Mn}(\alpha, n)^{58}\text{Co}$ thick target yield					
7520	CLU Expt A BAP	24	847 979	TR	+1 Roughton+ NDG. EXTR. REACT. RATES.
$^{55}\text{Mn}(\alpha, \gamma)^{59}\text{Co}$ $\sigma(E)$					
7521	CAL Theo J AND Theo J AND Theo R OAP-422	22 22 22	371 371 875	N78 NDG N78 NDG 1.1+0 9.7+0	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR Woosley+ CURV. HAUSER-FESHBACH.
$^{56}\text{Mn}(\alpha, \gamma)^{60}\text{Co}$ $\sigma(E)$					
7522	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{57}\text{Mn}(\alpha, \gamma)^{61}\text{Co}$ $\sigma(E)$					
7523	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{58}\text{Mn}(\alpha, n)^{61}\text{Co}$ $\sigma(E)$					
7524	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{58}\text{Mn}(\alpha, \gamma)^{62}\text{Co}$ $\sigma(E)$					
7525	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{59}\text{Mn}(\alpha, n)^{62}\text{Co}$ $\sigma(E)$					
7526	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{59}\text{Mn}(\alpha, \gamma)^{63}\text{Co}$ $\sigma(E)$					
7527	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{60}\text{Mn}(\alpha, n)^{63}\text{Co}$ $\sigma(E)$					
7528	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{60}\text{Mn}(\alpha, \gamma)^{64}\text{Co}$ $\sigma(E)$					
7529	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. TBL OF STAT. THERMONUC. REAC. RT. PAR
$\text{Fe}(\alpha, \text{total})$ $\sigma(E)$					
7530	IJI Revv J FCY Revv J SJPN	6 6	827 325	75 2.5+1 4.0+1 76 2.5+1 4.0+1	Nemets+ TBL. TRANSLATION OF FCY 6.(14).82/(1975).
$\text{Fe}(\alpha, x\gamma)$ thick target yield					
7531	CCP Expt R YK- Expt R INDC(CCP)-103	21 577	73 76 4.6+1 577 4.6+1		Matusevich+ CURV. TBL. THETA = 0 DEG. TRANSLATION OF T. OF C.(YK 21.73(1976)

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Fe(α,x)n thick target yield					
7532	HAR Expt P	NEANDC(E)-2028	479	5.1+0	1.0+1 West+ CURV. POLY MODERATOR. P. 57.
	Expt P	INDC(UK)-31	57	479	5.1+0 1.0+1 . SAME AS NEANDC(E)-202. VOL. 8
	Expt P	UKNDC-P-94	57	479	5.1+0 1.0+1 . SAME AS NEANDC(E)-202. VOL. 8.
	Expt P	AERE-PR/NP-26	379	5.0+0	1.0+1 West+ CURV. POLYETHYLENE MOD. P. 42.
	Expt C	7BHARWEL	612	78	5.0+0 8.0+0 West+ CURV. 9 LONG 3HE-AR-METHANE COUN
Fe(α,x)²H thick target yield					
7533	BRK Expt J	PR 120	1354	60	4.8+1 Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J	PR 107	1311	57	4.8+1 . SOME EXPERIMENTAL DETAILS.
	Expt 4	EXFORB0080.024	078	4.8+1	. (8.2)+-10PERCENT)MB.
7534	KFK Comp B	PH-DAT 15	2	079	4.8+1 Muenzel+ TBL. FROM EXFOR.
Fe(α,x)³H product yield					
7535	BRK Expt J	PR 120	1354	60	4.8+1 Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J	PR 107	1311	57	4.8+1 . SOME EXPERIMENTAL DETAILS.
	Expt 4	EXFORB0080.024	078	4.8+1	. (2.28E-5+-10PERCENT)/INCIDENT A.
7536	KFK Comp B	PH-DAT 15	2	079	4.8+1 Muenzel+ TBL. FROM EXFOR.
Fe(α,x)⁵⁹Ni σ(E)					
7537	TOK Expt J	NP/A 303	254	678	7.0+0 2.4+1 Yanagita+ TBL. CURV. CFD OTH AND CALC.
⁵¹Fe(α,p)⁵⁴Co σ(E)					
7538	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵¹Fe(α,γ)⁵⁹Ni σ(E)					
7539	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵²Fe(α,p)⁵⁶Co σ(E)					
7540	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵²Fe(α,γ)⁵⁶Ni σ(E)					
7541	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵³Fe(α,p)⁵⁶Co σ(E)					
7542	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵³Fe(α,γ)⁵⁷Ni σ(E)					
7543	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁴Fe(α,2p)⁵⁶Fe relative I_γ					
7544	SAC Expt J	NP/A 284	513	777	1.2+1 2.4+1 Bendjaballah+ NDG.
	Expt J	NP/A 284	513	777	2.4+1 Bendjaballah+ TBL. 11 GAMMAS.
⁵⁴Fe(α,p)⁵⁷Co σ(E)					
7545	CAL Theo R	OAP-422	875	TR	1.3+1 Woosley+ CURV. HAUSER-FESHBACH.
⁵⁴Fe(α,n)⁵⁷Ni σ(E)					
7546	CAL Theo R	OAP-422	875	TR	1.6+1 Woosley+ CURV. HAUSER-FESHBACH.
⁵⁴Fe(α,γ)⁵⁸Ni partial σ(E)					
7547	NMU Expt A	DA/B 39	4950	479	7.6+0 1.3+1 Raghunathan. NDG. E1,E2 SIGMAS.
⁵⁴Fe(α,γ)⁵⁸Ni σ(E)					
7548	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R	OAP-422	875	TR	1.6+1 Woosley+ CURV. HAUSER-FESHBACH.
⁵⁵Fe(α,γ)⁵⁹Ni σ(E)					
7549	CAL Theo J	AND 22	371	N78	NDG Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J	AND 22	371	N78	NDG . TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁶Fe(α,total) σ(E)					
7550	IJI Revv J	FCY 6	827	75	2.5+1 4.0+1 Nemets+ CURV. DEPENDENCE ON Z.
	Revv J	SJPN 6	325	76	2.5+1 4.0+1 . TRANSLATION OF FCY 6.(4).827(1975).

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{56}\text{Fe}(\alpha, x)\gamma$ $\sigma(E)$					
7551	WAU Expt P A-WAU-78	1 778 TR	2.7+1	Bodansky+ NDG.	
$^{56}\text{Fe}(\alpha, x)n$ thick target yield					
7552	HAR Expt P AERE-PR/NP	24 577	2.0+0	7.5+0	West+ NDG. P. 24
$^{56}\text{Fe}(\alpha, \text{inelastic})^{56}\text{Fe}$ partial product yield					
7553	TNL Expt A BAP	24 646 479	8.0+0	1.8+1	Weller+ NDG. FIRST 2+. GQR.
$^{56}\text{Fe}(\alpha, \text{inelastic})^{56}\text{Fe}$ $\sigma(E)$ factor					
7554	COL Revw C 71ALBANY	505 71	7.0+0	1.2+1	Miller. TBL. (P, INL)/(P, A)
$^{56}\text{Fe}(\alpha, \text{inelastic})^{56}\text{Fe}$ relative I_γ					
7555	SAC Expt A NIM	146 310 077	NDG		Nomura+ NDG. 3389+3756KEV LEV. REL.. PRO
7556	SAC Expt J NP/A 284	513 777	1.2+1	2.4+1	Bendjaballah+ NDG.
	Expt J NP/A 284	513 777	2.4+1		Bendjaballah+ TBL. 10 GAMMAS.
$^{56}\text{Fe}(\alpha, \text{inelastic})^{56}\text{Fe}$ partial raw thick target yield, abundance					
7557	SUN Expt J JRC	50 307 79	5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
$^{56}\text{Fe}(\alpha, t)^{57}\text{Co}$ independent relative $\sigma(E)$					
7558	KAZ Expt J IZV	40 181 76	5.1+1		Burtebaev+ E(T)=0-12MEV. ARB. UN. = 1.
	Expt J BAS	40 152 76	5.1+1		. TRANSLATION OF IZV 40.181(76).
$^{56}\text{Fe}(\alpha, d)^{58}\text{Co}$ independent relative $\sigma(E)$					
7559	KAZ Expt J IZV	40 181 76	5.1+1		Burtebaev+ E(D)=0-16MEV. ARB. UN. = 1.
	Expt J BAS	40 152 76	5.1+1		. TRANSLATION OF IZV 40.181(76).
$^{56}\text{Fe}(\alpha, p)^{59}\text{Co}$ $\sigma(E)$ factor					
7560	COL Revw C 71ALBANY	505 71	5.0+0	8.0+0	Miller. TBL. (P, INL)/(P, A)
$^{56}\text{Fe}(\alpha, p)^{59}\text{Co}$ independent relative $\sigma(E)$					
7561	KAZ Expt J IZV	40 181 76	5.1+1		Burtebaev+ E(P)=10-27MEV. ARB. UN. = 1.
	Expt J BAS	40 152 76	5.1+1		. TRANSLATION OF IZV 40.181(76).
$^{56}\text{Fe}(\alpha, p)^{59}\text{Co}$ $\sigma(E)$					
7562	CAL Theo R OAP-422	875 TR	1.3+1	Woosley+ CURV. HAUSER-FESHBACH.	
$^{56}\text{Fe}(\alpha, n)^{59}\text{Ni}$ $\sigma(E)$					
7563	CAL Theo R OAP-422	875 TR	1.3+1	Woosley+ CURV. HAUSER-FESHBACH.	
7564	KTY Expt J IRE	26 1212 279	5.6+0	6.5+0	Gabbard+ CURV. 4PI DETECTOR. CFD THEORY
	Expt P DOE-NDC-15	72 479 TR	6.5+0	Flynn+ CURV. 4PI DET. ALSO REACT. RATES	
$^{56}\text{Fe}(\alpha, n)^{59}\text{Ni}$ partial $\sigma(E)$					
7565	AML Expt J NP/A	318 471 479	5.4+0	6.7+0	Anderson+ CURV. NI-3. GE(L1). CFD STATH
$^{56}\text{Fe}(\alpha, \gamma)^{60}\text{Ni}$ partial $\sigma(E)$					
7566	AML Expt J NP/A	318 471 479	4.2+0	7.1+0	Anderson+ CURV. 1.3MEV G.GE(L1). CFD STATH
$^{56}\text{Fe}(\alpha, \gamma)^{60}\text{Ni}$ $\sigma(E)$					
7567	CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR	1.3+1	Woosley+ CURV. HAUSER-FESHBACH.	
7568	AML Expt J NP/A	318 471 479	4.2+0	7.1+0	Anderson+ CURV. STATMOD ANALYSIS.
$^{57}\text{Fe}(\alpha, \text{inelastic})^{57}\text{Fe}$ partial raw thick target yield, abundance					
7569	SUN Expt J JRC	50 307 79	5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
$^{57}\text{Fe}(\alpha, p)^{60}\text{Co}$ $\sigma(E)$					
7570	CAL Theo R OAP-422	875 TR	1.3+1	Woosley+ CURV. HAUSER-FESHBACH.	
$^{57}\text{Fe}(\alpha, n)^{60}\text{Ni}$ $\sigma(E)$					
7571	KTY Expt P DOE-NDC-12	97 478	NDG		Flynn+ NDG. TO BE DONE.
7572	CAL Theo R OAP-422	875 TR	1.2+1	Woosley+ CURV. HAUSER-FESHBACH.	
$^{57}\text{Fe}(\alpha, \gamma)^{61}\text{Ni}$ $\sigma(E)$					
7573	CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR	1.2+1	Woosley+ CURV. HAUSER-FESHBACH.	

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{58}\text{Fe}(\alpha, \text{inelastic})^{58}\text{Fe}$	partial product yield			
7574 TNL Expt A BAP	24	646 479	8.0+0 1.8+1	Weller+ NDG. FIRST 2+. GOR.
$^{58}\text{Fe}(\alpha, \text{inelastic})^{58}\text{Fe}$	partial raw thick target yield, abundance			
7575 SUN Expt J JRC	50	307 79	5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
$^{58}\text{Fe}(\alpha, p)^{59}\text{Co}$	$\sigma(E)$			
7576 CAL Theo R OAP-422		875	TR	1.3+1 Woosley+ CURV. HAUSER-FESHBACH.
$^{58}\text{Fe}(\alpha, n)^{61}\text{Ni}$	$\sigma(E)$			
7577 CAL Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
$^{58}\text{Fe}(\alpha, \gamma)^{62}\text{Ni}$	$\sigma(E)$			
7578 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
Theo R OAP-422		875	TR	1.2+1 Woosley+ CURV. HAUSER-FESHBACH.
$^{58}\text{Fe}(\alpha, n)^{62}\text{Ni}$	$\sigma(E)$			
7579 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{58}\text{Fe}(\alpha, \gamma)^{63}\text{Ni}$	$\sigma(E)$			
7580 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{60}\text{Fe}(\alpha, \gamma)^{64}\text{Ni}$	$\sigma(E)$			
7581 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{61}\text{Fe}(\alpha, n)^{64}\text{Ni}$	$\sigma(E)$			
7582 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{61}\text{Fe}(\alpha, \gamma)^{65}\text{Ni}$	$\sigma(E)$			
7583 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{62}\text{Fe}(\alpha, n)^{65}\text{Ni}$	$\sigma(E)$			
7584 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{62}\text{Fe}(\alpha, \gamma)^{66}\text{Ni}$	$\sigma(E)$			
7585 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{62}\text{Fe}(\alpha, x\gamma)$	raw product yield			
7586 SUN Expt P SUNI-52		28 077	5.0+0	Gihwala+ TBL. FUNCTION OF NITROGEN CONT
Expt P SUNI-45		31 076	5.0+0	Giles+ CURV. FUNCTION OF NITROGEN CONT.
$^{62}\text{Fe}(\alpha, x\gamma)$	relative product yield			
7587 SUN Expt P SUNI-52		28 077	5.0+0	Gihwala+ NDG. THETA=45.
$^{52}\text{Co}(\alpha, p)^{55}\text{Ni}$	$\sigma(E)$			
7588 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{52}\text{Co}(\alpha, \gamma)^{56}\text{Cu}$	$\sigma(E)$			
7589 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{53}\text{Co}(\alpha, p)^{56}\text{Ni}$	$\sigma(E)$			
7590 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{53}\text{Co}(\alpha, \gamma)^{57}\text{Cu}$	$\sigma(E)$			
7591 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{54}\text{Co}(\alpha, p)^{57}\text{Ni}$	$\sigma(E)$			
7592 CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont.)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁵⁴ Co(α,γ) ⁵⁸ Cu σ(E)					
7593	CAL Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁵ Co(α,p) ⁵⁸ Ni σ(E)					
7594	CAL Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁵ Co(α,γ) ⁵⁹ Cu σ(E)					
7595	CAL Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁶ Co(α,p) ⁵⁹ Ni σ(E)					
7596	CAL Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁶ Co(α,γ) ⁶⁰ Cu σ(E)					
7597	CAL Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁷ Co(α,p) ⁶⁰ Ni σ(E)					
7598	CAL Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁷ Co(α,γ) ⁶¹ Cu σ(E)					
7599	CAL Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁸ Co(α,γ) ⁶² Cu σ(E)					
7600	CAL Theo J AND	22 371	N78	NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁹ Co(α,total) σ(E)					
7601	IJI Revv J FCY	6 827	75 8.8+0	6.1+1	Nemets+ CURV. DEPENDENCE ON Z.
	Revv J FCY	6 827	75 2.3+1	2.6+1	Nemets+ TBL.
	Revv J SJPN	6 325	76 8.8+0	6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).
⁵⁹ Co(α,x)γ raw thick target yield					
7602	SUN Expt J JRC	50 307	79 5.0+0		Giles+ NO PROMPT GS. SEVERAL CMP TRGTS.
⁵⁹ Co(α,x) ³ H thick target yield					
7603	BRK Expt J PR	120 1354	60 4.8+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107 1311	57 4.8+1		. SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080	.025 078	4.8+1		. (8.98+10PERCENT)MB.
7604	KFK Comp B PH-DAT	15 2 079	4.8+1		Muenzel+ TBL. FROM EXFOR.
⁵⁹ Co(α,x) ³ H product yield					
7605	BRK Expt J PR	120 1354	60 4.8+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107 1311	57 4.8+1		. SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080	.025 078	4.8+1		. (2.53E-5+10PERCENT)T/INCIDENT A.
7606	KFK Comp B PH-DAT	15 2 079	4.8+1		Muenzel+ TBL. FROM EXFOR.
⁵⁹ Co(α,inelastic) ⁵⁹ Co σ(E)×factor					
7607	COL Revv C 71ALBANY	505 71	7.0+0	1.2+1	Miller. TBL. (A,P)/(A,INL)
⁵⁹ Co(α,2p) ⁶¹ Co σ(E)×factor					
7608	COL Revv C 71ALBANY	505 71	2.3+1	3.4+1	Miller. CURV. (A,2P)/(A,2N)
⁵⁹ Co(α,t) ⁶⁰ Ni partial σ(E)					
7609	MOS Expt J NP/A	298 206	478 2.5+1		Lebedev+ TBL. T0-T1 GRPS. INTAD(15-170)
7610	IJI Expt J YF	25 473	377 2.7+1		Tokarevskii+TBL.0+.2+.INTAD.LT 90,GT 90
	Expt J SNP	25 255	77 2.7+1		.TRANSLATION OF YF 25(3),473(1977)
⁵⁹ Co(α,t) ⁶⁰ Ni partial σ(E)×factor					
7611	IJI Expt J YF	25 473	377 2.7+1		Tokarevskii+TBL.0+.2+. (2J(F)+1)/(2J(I)+1)
	Expt J SNP	25 255	77 2.7+1		.TRANSLATION OF YF 25(3),473(1977)
⁵⁹ Co(α,p) ⁶² Ni σ(E)×factor					
7612	COL Revv C 71ALBANY	505 71	5.0+0	9.0+0	Miller. TBL. (A,P)/(A,INL)

REFERENCES (cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		⁵⁹ Co(α,p) ⁶² Ni I _γ				
7613	AML Expt J NP/A	308	14	078 1.0+1	Kennedy+	TBL. BR FOR 29 GS.
		⁵⁹ Co(α,p) ⁶² Ni σ(E)				
7614	CAL Theo R OAP-422		875	TR	1.3+1 Woosley+	CURV. HAUSER-FESHBACH.
		⁵⁹ Co(α,2n) ⁶¹ Cu σ(E)×factor				
7615	COL Rev C 71ALBANY	505	71	2.3+1 3.4+1	Miller.	CURV. (A,2P)/(A,2N)
		⁵⁹ Co(α,2n) ⁶¹ Cu σ(E)				
7616	TOK Expt A JLCR	23	185	77 1.5+1 4.0+1	Murakami+	CURV.
		⁵⁹ Co(α,2n) ⁶¹ Cu thick target yield				
7617	TOK Expt A JLCR	23	185	77 1.5+1 4.0+1	Murakami+	CURV.
		⁵⁹ Co(α,n) ⁶² Cu σ(E)				
7618	CAL Theo R OAP-422		875	TR	9.4+0 Woosley+	CURV. HAUSER-FESHBACH.
	Theo C 75WASH	1	355	375 5.6+0 2.1+1	Mann+	CURV. HAUSER-FESHBACH.
		⁵⁹ Co(α,γ) ⁶³ Cu σ(E)				
7619	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	.	TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR	9.4+0 Woosley+	CURV. HAUSER-FESHBACH.
		⁵⁹ Co(α,x) isotopic distribution σ(E)				
7620	JUL Expt P JUEL-SPEZ-3620	479	2.0+1	1.7+2	Michel+	NDG. (A,XN) TO (A,10PXN). TBA.
		⁶⁰ Co(α,γ) ⁶⁴ Cu σ(E)				
7621	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	.	TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁶¹ Co(α,γ) ⁶⁵ Cu σ(E)				
7622	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	.	TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁶² Co(α,n) ⁶⁵ Cu σ(E)				
7623	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	.	TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁶² Co(α,γ) ⁶⁸ Cu σ(E)				
7624	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	.	TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁶³ Co(α,γ) ⁶⁷ Cu σ(E)				
7625	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	.	TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁶⁴ Co(α,n) ⁶⁷ Cu σ(E)				
7626	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	.	TBL OF STAT. THERMONUC. REAC. RT. PAR
		⁶⁴ Co(α,γ) ⁶⁸ Cu σ(E)				
7627	CAL Theo J AND	22	371	N78 NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	.	TBL OF STAT. THERMONUC. REAC. RT. PAR
		Ni(α,scattering) partial spectrum average σ(E)				
7628	MUJ Expt W ANNUAL RPT	97	74	2.3+1 2.7+1	Eberhard+	CURV. INTAD(140-180).
		Ni(α,total) σ(E)				
7629	IJI Rev J FCY	6	827	75 2.3+1 4.0+1	Nemets+	TBL.
	Rev J SJPN	6	325	76 2.3+1 4.0+1	.	TRANSLATION OF FCY 6,(4),827(1975).
		Ni(α,x)γ thick target yield				
7630	CCP Expt R YK- 21		73	76 4.6+1	Malusevich+	CURV. TBL. THETA = 0 DEG.
	Expt R INDC(CCP)-103		577	4.6+1	.	TRANSLATION OF T. OF C.(YK 21,73(1976)
		Ni(α,x) ³ H thick target yield				
7631	BRK Expt J PR	120	1354	50 4.8+1	Gonzalez-Vidal+	TBL. FROM STACKED FOILS
	Expt J PR	107	1311	57 4.8+1	.	SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.026		078	4.8+1	.	(5.32+-10PERCENT)MB.
7632	KFK Comp B PH-DAT	15	2	079 4.8+1	Muenzel+	TBL. FROM EXFOR.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
Ni(α,x) ³ H product yield						
7633	BRK Expt J PR	120 1354	60	4.8+1	Gonzalez-Vidal+	TBL. FROM STACKED FOILS
	Expt J PR	107 1311	57	4.8+1		SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.026	078	4.8+1			(1.37E-5+-10PERCENT)/INCIDENT A.
7634	KFK Comp B PH-DAT	15 2 079	4.8+1		Muenzel+	TBL. FROM EXFOR.
Ni(α,x) ⁵⁷ Ni σ(E)						
7635	IKO Expt P A-1KO-77	63	77	5.0+1	Brinkman+	NDG. MONITOR. IN RRL 28. 9.
Ni(α,x) ⁶² Zn thick target yield						
7636	NLP Expt A JLCR	23 176	77	3.0+1	Neirinckx.	93MUCI/MUAH. CALCULATED.
Ni(α,x) isotopic distribution σ(E)						
7637	TOK Expt J ARI	29 611	78	1.0+1 4.0+1	Muramatsu+	CURV. STACKED FOILS. 10 PROD
Ni(α,x) isotopic distribution thick target yield						
7638	TOK Expt J ARI	29 611	78	1.0+1 4.0+1	Muramatsu+	CURV. FRM STCKD FOILS. 10 PROD
⁵⁴ Ni(α,p) ⁵⁷ Cu σ(E)						
7639	CAL Theo J AND	22 371	N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁴ Ni(α,γ) ⁵⁸ Zn σ(E)						
7640	CAL Theo J AND	22 371	N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁵ Ni(α,p) ⁵⁸ Cu σ(E)						
7641	CAL Theo J AND	22 371	N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁵ Ni(α,γ) ⁵⁸ Zn σ(E)						
7642	CAL Theo J AND	22 371	N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁶ Ni(α,total) σ(E)						
7643	IJI Revv J FCY	6 827	75	2.5+1 4.0+1	Nemets+	CURV. DEPENDENCE ON A.
	Revv J SJPN	6 325	76	2.5+1 4.0+1		TRANSLATION OF FCY 6,(4),827(75).
⁵⁶ Ni(α,γ) ⁶⁰ Zn σ(E)						
7644	CAL Theo J AND	22 371	N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁷ Ni(α,γ) ⁶¹ Zn σ(E)						
7645	CAL Theo J AND	22 371	N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁸ Ni(α,x) partial σ(E)						
7646	MRY Expt J PR/C	20 1284	079	8.0+1 1.6+2	Wu+	TBL. SUM OF CP BREAK-UP.
⁵⁸ Ni(α,x) partial σ(E)×factor						
7647	MRY Expt J PR/C	20 1284	079	8.0+1 1.6+2	Wu+	TBL. RATIO TO TOTAL AND GEOMETRIC.
⁵⁸ Ni(α,nonelastic) σ(E)						
7648	MST Expt J ZP/A	292 35	79	1.0+2	Lohner+	NDG. MEASURED BUT NOT PRESENTED
⁵⁸ Ni(α,total) σ(E)						
7649	IJI Revv J FCY	6 827	75	2.5+1 4.0+1	Nemets+	CURV. DEPENDENCE ON Z, A, AND N
	Revv J SJPN	6 325	76	2.5+1 4.0+1		TRANSLATION OF FCY 6,(4),827(1975).
7650	MRY Expt J PR/C	20 1284	079	8.0+1 1.6+2	Wu+	TBL. ALSO GEOMETRIC.
⁵⁸ Ni(α,total) partial σ(E)×factor						
7651	MRY Expt J PR/C	20 1284	079	8.0+1 1.6+2	Wu+	TBL. RATIO PARTIAL TO TOTAL.
⁵⁸ Ni(α,x) ¹ H σ(E)						
7652	MRY Expt J PR/C	20 1284	079	8.0+1 1.6+2	Wu+	TBL. ESTIMATED FROM DA/DE.
⁵⁸ Ni(α,x) ¹ H σ(E)×factor						
7653	MRY Expt J PR/C	20 1284	079	8.0+1 1.6+2	Wu+	TBL. RATIO TO TOTAL AND GEOMETRIC.
⁵⁸ Ni(α,x) ² H σ(E)						
7654	MRY Expt J PR/C	20 1284	079	8.0+1 1.6+2	Wu+	TBL. ESTIMATED FROM DA/DE.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁵⁸ Ni(α,x) ² H	σ(E)=factor			
7655 MRY Expl J PR/C	20 1284 079 8.0+1	1.6+2	Wu+ TBL. RATIO TO TOTAL AND GEOMETRIC.	
⁵⁸ Ni(α,x) ³ H	σ(E)			
7656 MRY Expl J PR/C	20 1284 079 8.0+1	1.6+2	Wu+ TBL. ESTIMATED FROM DA/DE.	
⁵⁸ Ni(α,x) ³ H	σ(E)=factor			
7657 MRY Expl J PR/C	20 1284 079 8.0+1	1.6+2	Wu+ TBL. RATIO TO TOTAL AND GEOMETRIC.	
⁵⁸ Ni(α,x) ³ He	σ(E)			
7658 MRY Expl J PR/C	20 1284 079 8.0+1	1.6+2	Wu+ TBL. ESTIMATED FROM DA/DE.	
⁵⁸ Ni(α,x) ³ He	σ(E)=factor			
7659 MRY Expl J PR/C	20 1284 079 8.0+1	1.6+2	Wu+ TBL. RATIO TO TOTAL AND GEOMETRIC.	
⁵⁸ Ni(α,n+2p+α) ⁵⁵ Fe	relative σ(E)			
7660 TOK Expl P A-INS-78	55 79 6.2+1		Hamagaki+ TBL. PARTICLE-GAMMA COIN.	
⁵⁸ Ni(α,2p+α) ⁵⁶ Fe	relative σ(E)			
7661 TOK Expl P A-INS-70	55 78 6.2+1		Hamagaki+ TBL. PARTICLE-GAMMA COIN.	
⁵⁸ Ni(α,n+p+α) ⁵⁶ Co	relative σ(E)			
7662 TOK Expl P A-INS-78	55 79 6.2+1		Hamagaki+ TBL. PARTICLE-GAMMA COIN.	
⁵⁸ Ni(α,p+α) ⁵⁷ Co	relative σ(E)			
7663 TOK Expl P A-INS-78	55 79 6.2+1		Hamagaki+ TBL. PARTICLE-GAMMA COIN.	
⁵⁸ Ni(α,n+3p) ⁵⁸ Co	relative σ(E)			
7664 TOK Expl P A-INS-78	55 79 6.2+1		Hamagaki+ TBL. PARTICLE-GAMMA COIN.	
⁵⁸ Ni(α,3p) ⁵⁸ Co	relative σ(E)			
7665 TOK Expl P A-INS-78	55 79 6.2+1		Hamagaki+ TBL. PARTICLE-GAMMA COIN.	
⁵⁸ Ni(α,x) ⁵⁸ Ni	relative σ(E)			
7666 TOK Expl P A-INS-78	55 79 6.2+1		Hamagaki+ TBL. PARTICLE-GAMMA COIN.	
⁵⁸ Ni(α,inelastic) ⁵⁸ Ni	relative σ(E)			
7667 TOK Expl P A-INS-78	55 79 6.2+1		Hamagaki+ TBL. PARTICLE-GAMMA COIN.	
⁵⁸ Ni(α,2n+2p) ⁵⁸ Ni	relative σ(E)			
7668 TOK Expl P A-INS-78	55 79 6.2+1		Hamagaki+ TBL. PARTICLE-GAMMA COIN.	
⁵⁸ Ni(α,n+2p) ⁵⁹ Ni	relative σ(E)			
7669 TOK Expl P A-INS-78	55 79 6.2+1		Hamagaki+ TBL. PARTICLE-GAMMA COIN.	
⁵⁸ Ni(α, ³ He) ⁵⁹ Ni	σ(E)			
7670 MRY Expl A BAP	23 954 978 8.0+1	1.6+2	Wu+ NDG. A**1/3 DEPEND. IN BREAKUP	
⁵⁸ Ni(α,2p) ⁶⁰ Ni	relative σ(E)			
7671 SAC Expl P CEA-N-1791	32 974 2.8+1	5.8+1	Ballini+ CURV	
7672 TOK Expl P A-INS-78	55 79 6.2+1		Hamagaki+ TBL. PARTICLE-GAMMA COIN.	
⁵⁸ Ni(α,l) ⁶⁰ Cu	σ(E)			
7673 MRY Expl A BAP	23 954 978 8.0+1	1.6+2	Wu+ NDG. A**1/3 DEPEND. IN BREAKUP	
⁵⁸ Ni(α,n+p) ⁶⁰ Cu	relative σ(E)			
7674 TOK Expl P A-INS-78	55 79 6.2+1		Hamagaki+ TBL. PARTICLE-GAMMA COIN.	
⁵⁸ Ni(α,d) ⁶⁰ Cu	σ(E)			
7675 MRY Expl A BAP	23 954 978 8.0+1	1.6+2	Wu+ NDG. A**1/3 DEPEND. IN BREAKUP	
⁵⁸ Ni(α,p) ⁶¹ Cu	σ(E)			
7676 CAL Theo R OAP-422	875 TR	1.3+1	Woosley+ CURV. HAUSER-FESHBACH.	
7677 MRY Expl A BAP	23 954 978 8.0+1	1.6+2	Wu+ NDG. A**1/3 DEPEND. IN BREAKUP	
⁵⁸ Ni(α,n) ⁶¹ Zn	σ(E)			
7678 CAL Theo R OAP-422	875 TR	1.4+1	Woosley+ CURV. HAUSER-FESHBACH.	
⁵⁸ Ni(α,γ) ⁶² Zn	σ(E)			
7679 CAL Theo J AND	22 371 N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.	
Theo J AND	22 371 N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR	

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
$^{58}\text{Ni}(\alpha, \gamma)^{62}\text{Zn}$ $\sigma(E)$						
7679	CAL Theo R OAP-422	875 TR	1.4+1		Woosley+	CURV. HAUSER-FESHBACH.
7680	GOE Expt J ZP/A 291	377 79	1.7+1		Kanlus+	TBL. REV. OF MAX SIG. CFD. CALC
$^{58}\text{Ni}(\alpha, x)\text{mass distribution}$ $\sigma(E)$						
7681	MST Expt J ZP/A 292	35 79	1.0+2		Lohner+	NDG. MEASURED BUT NOT PRESENTED
$^{58}\text{Ni}(\alpha, x)\text{isotopic distribution}$ $\sigma(E)$						
7682	MST Expt J ZP/A 292	35 79	1.0+2		Lohner+	NDG. MEASURED BUT NOT PRESENTED
$^{59}\text{Ni}(\alpha, \text{total})$ $\sigma(E)$						
7683	IJI Revv J FCY	6 827 75	2.5+1	2.7+1	Nemets+	CURV. DEPENDENCE ON A.
	Revv J SUPN	6 325 76	2.5+1	2.7+1		. TRANSLATION OF FCY 6.(4), 827(75).
$^{59}\text{Ni}(\alpha, \gamma)^{63}\text{Zn}$ $\sigma(E)$						
7684	CAL Theo J AND	22 371	N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{60}\text{Ni}(\alpha, \text{total})$ $\sigma(E)$						
7685	IJI Revv J FCY	6 827 75	8.8+0	1.0+2	Nemets+	CURV. DEPENDENCE ON Z.
	Revv J FCY	6 827 75	2.7+1		Nemets+	TBL. (L.V.DUBAR+) CURV. (DEP. ON N)
	Revv J SUPN	6 325 76	8.8+0	1.0+2		. TRANSLATION OF FCY 6.(4), 827(1975).
$^{60}\text{Ni}(\alpha, \text{inelastic})^{60}\text{Ni}$ partial product yield						
7686	TNL Expt A BAP	24 646 479	8.0+0	1.8+1	Weller+	NDG. FIRST 2+. GOR.
$^{60}\text{Ni}(\alpha, t)^{61}\text{Cu}$ independent relative $\sigma(E)$						
7687	KAZ Expt J IZV	40 181 76	5.1+1		Burtebaev+	$E(D)=0-12\text{MEV}$. ARB. UN.=1.2
	Expt J BAS	40 152 76	5.1+1			. TRANSLATION OF IZV 40,181(76).
$^{60}\text{Ni}(\alpha, n p)^{62}\text{Cu}$ $\sigma(E)=\text{factor}$						
7688	COL Revv C 71ALBANY	505 71	2.0+1	3.5+1	Miller.	CURV. (A,N+P)/(A,2N)
$^{60}\text{Ni}(\alpha, n p)^{62}\text{Cu}$ relative I_{γ}						
7689	GRE Expt J NP/A 293	207 077	2.2+1	3.5+1	Ung-Chan+	CURV. 12 GAMMAS REL. 349-KEV G
	Expt J NP/A 293	207 077	3.1+1		Ung-Chan+	TBL. CFD(P,N), (P,NP), (N14,2N2P)
	Expt J NP/A 293	207 077	3.1+1		Ung-Chan+	TBL. 22 GAMMAS. ALSO A2+A4.
$^{60}\text{Ni}(\alpha, n p)^{62}\text{Cu}$ $\sigma(E)$						
7690	KFK Comp B PH-DAT	15 1 079	2.3+1	3.9+1	Muenzel+	TBL. FROM EXFOR.
7691	BRK Expt J PR	80 939 50	2.3+1	3.9+1	Ghosal.	CURV.
	Expt 4 EXFORB0017.004	076 2.3+1	3.9+1			. 7 DATA POINTS.
$^{60}\text{Ni}(\alpha, d)^{62}\text{Cu}$ independent relative $\sigma(E)$						
7692	KAZ Expt J IZV	40 181 76	5.1+1		Burtebaev+	$E(D)=0-16\text{MEV}$. ARB. UN.=1.4
	Expt J BAS	40 152 76	5.1+1			. TRANSLATION OF IZV 40,181(76).
$^{60}\text{Ni}(\alpha, p)^{63}\text{Cu}$ independent relative $\sigma(E)$						
7693	KAZ Expt J IZV	40 181 76	5.1+1		Burtebaev+	$E(P)=10-27\text{MEV}$. ARB. UN.=1.5
	Expt J BAS	40 152 76	5.1+1			. TRANSLATION OF IZV 40,181(76).
$^{60}\text{Ni}(\alpha, p)^{63}\text{Cu}$ $\sigma(E)$						
7694	CAL Theo R OAP-422	875 TR	1.3+1		Woosley+	CURV. HAUSER-FESHBACH.
$^{60}\text{Ni}(\alpha, 2n)^{62}\text{Zn}$ thick target yield=abundance						
7695	AML Revv J IRE	26 2281 479	3.0+1		Chaudri.	TBL. CFD EXP. TO CALC.
$^{60}\text{Ni}(\alpha, 2n)^{62}\text{Zn}$ $\sigma(E)=\text{factor}$						
7696	COL Revv C 71ALBANY	505 71	2.0+1	3.5+1	Miller.	CURV. (A,N+P)/(A,2N)
$^{60}\text{Ni}(\alpha, 2n)^{62}\text{Zn}$ $\sigma(E)$						
7697	NLP Expt J ARI	28 808 77	1.2+1	3.0+1	Neirinckx.	CURV. STCK FOILS. RADIOCHEM.
7698	KFK Comp B PH-DAT	15 1 079	2.0+1	3.9+1	Muenzel+	TBL. FROM EXFOR.
7699	BRK Expt J PR	80 939 50	2.0+1	3.9+1	Ghosal.	CURV.
	Expt 4 EXFORB0017.003	076 2.0+1	3.9+1			. 8 DATA POINTS.
$^{60}\text{Ni}(\alpha, 2n)^{62}\text{Zn}$ thick target yield						
7700	NLP Expt J ARI	28 808 77	1.5+1	3.0+1	Neirinckx.	CURV. CALC. FRM SIG.
$^{60}\text{Ni}(\alpha, n)^{63}\text{Zn}$ $\sigma(E)$						
7701	CAL Theo R OAP-422	875 TR	1.3+1		Woosley+	CURV. HAUSER-FESHBACH.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
⁶⁰Ni(α,n)⁶³Zn σ(E)						
7702	BRK Expt J PR	80 939 50	1.3+1	3.9+1	Ghesal.	CURV.
	Expt 4 EXFORB0017.002	076	1.3+1	3.9+1	. 15 DATA POINTS.	
7703	KFK Comp B PH-DAT	15 2 079	1.9+1	2.4+1	Muenzel+	TBL. FROM EXFOR.
	Comp B PH-DAT	15 1 079	1.3+1	3.9+1	Muenzel+	TBL. FROM EXFOR.
7704	MUN Expt J NP/A	198 625 70	1.9+1	2.4+1	Hille+	TBL. CURV. STCKD FOILS.
	Expt 4 EXFORB0058.005	77	1.9+1	2.4+1	. 4 DATA POINTS.	
⁶⁰Ni(α,n)⁶³Zn relative I_γ						
7705	LVP Expt J JP/G	4 99 178 8.5+0	1.6+1		Mustaffa+	NDG. G-YLD. AT 90DEG.
	Expt J JP/G	4 99 178 1.0+1	1.6+1		Mustaffa+	CURV. 11 G-YLD. AT 90DEG.
⁶⁰Ni(α,γ)⁶⁴Zn σ(E)						
7706	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR	
	Theo R OAP-422	875 TR	1.3+1		Woosley+	CURV. HAUSER-FESHBACH.
⁶¹Ni(α,inelastic)⁶¹Ni partial raw thick target yieldxabundance						
7707	SUN Expt J JRC	50 307 79 5.0+0			Giles+	UNCERTAIN ASSIGNMENT OF 2 GAMMAS
⁶¹Ni(α,p)⁶⁴Cu σ(E)						
7708	CAL Theo R OAP-422	875 TR	1.3+1		Woosley+	CURV. HAUSER-FESHBACH.
⁶¹Ni(α,n)⁶⁴Zn partial relative thick target yield						
7709	NOT Expt J NP/A	295 351 178 1.5+1	2.4+1		Neal+	CURV. 22 GAMMAS.
⁶¹Ni(α,n)⁶⁴Zn σ(E)						
7710	CAL Theo R OAP-422	875 TR	1.3+1		Woosley+	CURV. HAUSER-FESHBACH.
7711	CCP Expt J IZV	43 2192 79 5.3+1			Bochkarev+	TBL.
⁶¹Ni(α,n)⁶⁴Zn partial σ(E)						
7712	CCP Expt J IZV	43 2192 79 5.3+1			Bochkarev+	TBL. EN .GE. 1.5 MEV.
⁶¹Ni(α,γ)⁶⁵Zn σ(E)						
7713	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR	
	Theo R OAP-422	875 TR	1.3+1		Woosley+	CURV. HAUSER-FESHBACH.
⁶²Ni(α,p)⁶⁵Cu σ(E)						
7714	CAL Theo R OAP-422	875 TR	1.3+1		Woosley+	CURV. HAUSER-FESHBACH.
⁶²Ni(α,n)⁶⁵Zn σ(E)						
7715	CAL Theo R OAP-422	875 TR	1.3+1		Woosley+	CURV. HAUSER-FESHBACH.
7716	CAL Expt A BAP	22 1246 N77 4.6+0	7.0+0		Davidson+	NDG. WIGNER CUSPS.
7717	CAL Expt J NP/A	331 180 N77 6.9+0	8.8+0		Zyskind+	CURV. COMPETITION CUSPS.
⁶²Ni(α,n)⁶⁵Zn I_γ						
7718	LVP Expt A NIM	146 313 077 1.0+1	1.2+1		Jones+	NDG.
⁶²Ni(α,n)⁶⁵Zn partial relative thick target yield						
7719	NOT Expt J NP/A	295 351 178 1.5+1	2.4+1		Neal+	CURV. 23 GAMMAS.
⁶²Ni(α,n)⁶⁵Zn relative I_γ						
7720	LVP Expt J JP/G	4 755 578 8.0+0	1.4+1		Kogan+	CURV. 10 GS. REL. TO 654KEV G.
⁶²Ni(α,γ)⁶⁶Zn σ(E)						
7721	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR	
	Theo R OAP-422	875 TR	1.3+1		Woosley+	CURV. HAUSER-FESHBACH.
7722	CAL Expt J NP/A	331 180 N77 4.8+0	8.7+0		Zyskind+	CURV. COMPETITION CUSPS.
⁶³Ni(α,total) σ(E)						
7723	IJI Revv J FCY	6 827 75 2.5+1	4.0+1		Nemets+	CURV. DEPENDENCE ON A.
	Revv J SJPN	6 325 76 2.5+1	4.0+1		. TRANSLATION OF FCY 6.(4).827(75).	
⁶³Ni(α,γ)⁶⁷Zn σ(E)						
7724	CAL Theo J AND	22 371 N78 NDG			Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR	
⁶⁴Ni(α,total) σ(E)						
7725	IJI Revv J FCY	6 827 75 2.5+1	4.0+1		Nemets+	CURV. DEPENDENCE ON A AND N.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁶⁴ Ni(α, total) σ(E)					
7725	IJI Revv J FCY	6 827 75 2.6+1			Nemets+ TBL. FROM L.V. DUBAR+
	Revv J SJPN	6 325 76 2.5+1 4.0+1			. TRANSLATION OF FCY 6.(4).827(75).
⁶⁴ Ni(α, p) ⁶⁷ Cu σ(E)					
7726	CAL Theo R OAP-422	875 TR	1.3+1		Woosley+ CURV. HAUSER-FESHBACH.
⁶⁴ Ni(α, 2n) ⁶⁶ Zn relative I _y					
7727	NOT Expt J NP/A	280 161 477 1.9+1 2.5+1			Neal+ CURV. ARB. UNITS.
⁶⁴ Ni(α, n) ⁶⁷ Zn relative I _y					
7728	LVP Expt J JP/G	4 923 678 6.5+0 1.7+1			Lornie+CURV.10 GS+1 CONT.ALSO LEG. POLY
7729	LYO Expt J PR/C	17 2031 678 8.2+0			Duffait+TBL.MANY 90DEG GS.ALSO LEG.COEF
7730	NOT Expt J NP/A	280 161 477 1.5+1 2.3+1			Neal+ CURV. ARB. UNITS.
⁶⁴ Ni(α, n) ⁶⁷ Zn σ(E)					
7731	CAL Theo R OAP-422	875 TR	1.2+1		Woosley+ CURV. HAUSER-FESHBACH.
7732	CAL Expt J NP/A	331 180 N77 5.4+0 7.4+0			Zyskind+ CURV. COMPETITION CUSPS.
⁶⁴ Ni(α, γ) ⁶⁸ Zn σ(E)					
7733	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422	875 TR	1.2+1		Woosley+ CURV. HAUSER-FESHBACH.
7734	CAL Expt J NP/A	331 180 N77 4.6+0 7.2+0			Zyskind+ CURV. COMPETITION CUSPS.
⁶⁴ Ni(α, x)isotopic distribution partial product yield					
7735	NOT Expt P A-1P5-75	67 76 NDG			Chagnon+ NDG. OPT. ; ROD. OF HIGH-SPIN
⁶⁵ Ni(α, γ) ⁶⁹ Zn σ(E)					
7736	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁶ Ni(α, γ) ⁷⁰ Zn σ(E)					
7737	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁴ Cu(α, total) σ(E)					
7738	IJI Revv J FCY	6 827 75 2.3+1 4.0+1			Nemets+ TBL.
	Revv J SJPN	6 325 76 2.3+1 4.0+1			. TRANSLATION OF FCY 6.(4).827(1975).
⁶⁴ Cu(α, x)γ thick target yield					
7739	CCP Expt R YK- 21	73 76 4.6+1			Malusevich+ CURV. TBL. THETA = 0 DEG.
	Expt R INDC(CCP)-103	577 4.6+1			.TRANSLATION OF T. OF C.(YK 21.73(1976)
⁶⁴ Cu(α, x) ³ H thick target yield					
7740	BRK Expt J PR	120 1354 60 4.8+1			Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107 1311 57 4.8+1			. SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.027	D78 4.8+1			. (9.57+-10PERCENT)MB.
7741	KFK Comp B PH-DAT	15 2 D79 4.8+1			Muenzel+ TBL. FROM EXFOR.
⁶⁴ Cu(α, x) ³ H product yield					
7742	BRK Expt J PR	120 1354 60 4.8+1			Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107 1311 57 4.8+1			. SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.027	D78 4.8+1			. (2.56E-5+-10PERCENT)/INCIDENT A.
7743	KFK Comp B PH-DAT	15 2 D79 4.8+1			Muenzel+ TBL. FROM EXFOR.
⁶⁴ Cu(α, x) ⁶⁸ Ga thick target yield					
7744	UJV Comp R UJF-4199-B	277 8.0+0 3.0+1			Bem+ TBL.
⁶⁴ Cu(α, x) ⁶⁷ Ga thick target yield					
7745	UJV Comp R UJF-4199-B	277 1.6+1 3.0+1			Bem+ TBL.
⁶⁸ Cu(α, p) ⁵⁹ Zn σ(E)					
7746	CAL Theo J AND	22 371 N70 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁸ Cu(α, γ) ⁶⁰ Ga σ(E)					
7747	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁵⁷ Cu(α,p) ⁶⁰ Zn σ(E)					
7748	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁷ Cu(α,γ) ⁶¹ Ga σ(E)					
7749	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁸ Cu(α,p) ⁶¹ Zn σ(E)					
7750	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁸ Cu(α,γ) ⁶² Ga σ(E)					
7751	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁵⁸ Cu(α,γ) ⁶³ Ga σ(E)					
7752	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁰ Cu(α,γ) ⁶⁴ Ga σ(E)					
7753	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶¹ Cu(α,γ) ⁶⁵ Ga σ(E)					
7754	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶² Cu(α,γ) ⁶⁶ Ga σ(E)					
7755	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶³ Cu(α,total) σ(E)					
7756	IJI Revv J FCY	6	827	75 2.7+1	Nemets+ CURV. DEPENDENCE ON N.
	Revv J FCY	6	827	75 1.4+1 2.5+1	Nemets+ CURV. DEPENDENCE ON Z.
	Revv J FCY	6	827	75 2.6+1	Nemets+ TBL. FROM L.V. DUBAR+
	Revv J SJPN	6	325	76 1.4+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).
⁶³ Cu(α,inelastic) ⁶³ Cu partial raw thick target yield×abundance					
7757	SUN Expl J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
⁶³ Cu(α,t) ⁶⁴ Zn σ(E)					
7758	BRK Expl J PR	120	1354	60 TR 4.8+1	Gonzalez-Vidal+CURV. STCKD FOILS APP SIG
	Expl J PR	107	1311	57 TR 4.8+1	. EXPERIMENTAL DETAILS+PRELIM. DATA
⁶³ Cu(α,x) ⁶⁵ Zn cumulative σ(E)×abundance?					
7759	STB Expl J PR/C	16	688	877 1.5+1 2.3+1	Lin+ TBL.
	Expl 4 EXFORB0088.005	379	1.5+1 2.3+1		. 20 DATA POINTS.
⁶³ Cu(α,p) ⁶⁶ Zn σ(E)					
7760	CAL Theo R OAP-422		875	TR 1.3+1	Woosley+ CURV. HAUSER-FESHBACH.
⁶³ Cu(α,n) ⁶⁶ Ga σ(E)					
7761	CAL Theo R OAP-422		875	1.9+0 9.4+0	Woosley+ CURV. HAUSER-FESHBACH.
7762	KFK Comp B PH-DAT	15	2 079	7.8+0 2.6+1	Muenzel+ TBL. FROM EXFOR.
7763	LAS Expl J PR	130	1512	63 7.8+0 2.6+1	Bryant+ TBL. CURV. STACKED FOILS.
	Expl 4 EXFORB0079.016	078	7.8+0 2.6+1		. 19 ENTRIES.
7764	CAL Expl A BAP	24	33	179 8.0+0 1.2+1	Davidson+ NDG. ALSO DED. REACTION RATES
7765	MUN Expl J NP/A	198	625	70 1.9+1 2.4+1	Hille+ TBL. CURV. STCKD FOILS.
	Expl 4 EXFORB0058.006	77	1.9+1 2.4+1		. 4 DATA POINTS.
⁶³ Cu(α,γ) ⁶⁷ Ga σ(E)					
7766	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR 9.4+0	Woosley+ CURV. HAUSER-FESHBACH.
⁶⁴ Cu(α,γ) ⁶⁸ Ga σ(E)					
7767	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁶⁵Cu(α,total) σ(E)						
7768	IJI	Revw J FCY	6 827	75 2.7+1		Nemets+ CURV. DEPENDENCE ON N AND Z
		Revw J FCY	6 827	75 2.6+1 2.7+1		Nemets+ TBL. FROM L.V. DUBAR+
		Revw J SJPN	6 325	76 2.6+1 2.7+1		TRANSLATION OF FCY 6.(4),827(1975).
⁶⁵Cu(α,n+α)⁶⁴Cu σ(E)						
7769	KFK	Comp B PH-DAT	15 2 D79	2.0+1 2.5+1		Muenzel+ TBL. FROM EXFOR.
7770	LAS	Expt J PR	130 1512 63	2.0+1 2.5+1		Bryant+ TBL. CURV. STACKED FOILS.
		Expt 4 EXFORB0079.019	D78	2.0+1 2.5+1		3 ENTRIES.
⁶⁵Cu(α,scattering)⁶⁵Cu partial spectrum average σ(E)						
7771	MUW	Expt W ANNUAL RPT	97 74	2.3+1 2.7+1		Eberhard+ CURV. INTAD(140-180).
⁶⁵Cu(α,inelastic)⁶⁵Cu partial raw thick target yield×abundance						
7772	SUN	Expt J JRC	50 307	79 5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
⁶⁵Cu(α,t)⁶⁸Zn σ(E)						
7773	BRK	Expt J PR	120 1354 60	TR 4.8+1		Gonzalez-Vidal+CURV.STCKD FOILS APP SIG
		Expt J PR	107 1311 57	TR 4.8+1		EXPERIMENTAL DETAILS+PRELIM. DATA
⁶⁵Cu(α,p)⁶⁸Zn σ(E)						
7774	CAL	Theo R OAP-422		875 TR 1.4+1		Woosley+ CURV. HAUSER-FESHBACH.
⁶⁵Cu(α,2n)⁶⁷Ga thick target yield×abundance						
7775	AML	Revw J IRE	26 2281	479 3.0+1		Chaudri. TBL. CFD EXP. TO CALC.
⁶⁵Cu(α,2n)⁶⁷Ga σ(E)						
7776	KFK	Expt J JIN	36 3647 74	1.8+1 6.0+1		Graf+ TBL. CURV. NAT. CU.
		Expt R KFK-1806		573 1.8+1 6.0+1		Graf. MORE DETAILS.
		Expt 4 EXFORB0040.018		77 1.8+1 6.0+1		13 ENTRIES.
7777	KFK	Comp B PH-DAT	15 2 D79	1.8+1 6.0+1		Muenzel+ TBL. FROM EXFOR.
⁶⁵Cu(α,2n)⁶⁷Ga σ(E)						
7778	KFK	Comp B PH-DAT	15 2 D79	1.1+1 2.6+1		Muenzel+ TBL. FROM EXFOR.
7779	LAS	Expt J PR	130 1512 63	1.1+1 2.6+1		Bryant+ TBL. CURV. STACKED FOILS.
		Expt 4 EXFORB0079.017	D78	1.1+1 2.6+1		22 ENTRIES.
⁶⁵Cu(α,n)⁶⁸Ga σ(E)						
7780	CAL	Theo R OAP-422		875 1.4+0 8.5+0		Woosley+ CURV. HAUSER-FESHBACH.
7781	CAL	Expt A BAP	24 33 179	6.2+0 1.2+1		Davidson+ NDG. ALSO DED. REACTION RATES
7782	KFK	Comp B PH-DAT	15 2 D79	7.8+0 2.6+1		Muenzel+ TBL. FROM EXFOR.
7783	LAS	Expt J PR	130 1512 63	7.8+0 2.6+1		Bryant+ TBL. CURV. STACKED FOILS.
		Expt 4 EXFORB0079.018	D78	7.8+0 2.6+1		17 DATA POINTS.
7784	MUN	Expt J NP/A	198 625 70	1.9+1 2.4+1		Hille+ TBL. CURV. STCKD FOILS.
		Expt 4 EXFORB0058.007	77	1.9+1 2.4+1		4 DATA POINTS.
⁶⁵Cu(α,γ)⁶⁹Ga σ(E)						
7785	CAL	Theo J AND	22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371	N78 NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
		Theo R OAP-422		875 TR 8.5+0		Woosley+ CURV. HAUSER-FESHBACH.
⁶⁶Cu(α,γ)⁷⁰Ga σ(E)						
7786	CAL	Theo J AND	22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371	N78 NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁷Cu(α,γ)⁷¹Ga σ(E)						
7787	CAL	Theo J AND	22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371	N78 NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁸Cu(α,γ)⁷²Ga σ(E)						
7788	CAL	Theo J AND	22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22 371	N78 NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
Zn(α,total) σ(E)						
7789	IJI	Revw J FCY	6 827	75 2.5+1 4.0+1		Nemets+ TBL.
		Revw J SJPN	6 325	76 2.5+1 4.0+1		TRANSLATION OF FCY 6.(4),827(1975).
Zn(α,x)³H thick target yield						
7790	BRK	Expt J PR	120 1354 60	4.8+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
		Expt J PR	107 1311 57	4.8+1		SOME EXPERIMENTAL DETAILS.
		Expt 4 EXFORB0080.028	D78	4.8+1		(7.68+-10PERCENT)MB.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Zn(a,x) ³ H thick target yield					
7791	KFK Comp B PH-DAT	15 2 079	4.8+1		Muenzel+ TBL. FROM EXFOR.
Zn(a,x) ³ H product yield					
7792	BRK Expt J PR	120 1354	60 4.0+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107 1311	57 4.8+1		. SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.028	078 4.8+1			. (1.85E-5+-10PERCENT)/INCIDENT A.
7793	KFK Comp B PH-DAT	15 2 079	4.8+1		Muenzel+ TBL. FROM EXFOR.
Zn(a,x) ⁶⁶ Ga thick target yield					
7794	UJV Comp R UJF-4199-B	277	2.1+1 3.0+1		Bem+ TBL.
Zn(a,x) ⁶⁷ Ga thick target yield					
7795	UJV Comp R UJF-4199-B	277	1.2+1 3.0+1		Bem+ TBL.
Zn(a,x) ⁶⁷ Ga cumulative σ(E)					
7796	LVN Expt R CSIR-FIS-91	76	8.8+0 9.6+1		Haasbroek+ CURV. STACKED FOILS.
	Expt W TO KACHAPAG	79	8.8+0 9.6+1		Haasbroek. NUMERICAL DATA.
	Expt 4 EXFORB0097.002	779	8.8+0 9.6+1		. 13 DATA POINTS.
Zn(a,x) ⁶⁷ Ga cumulative thick target yield					
7797	LVN Expt R CSIR-FIS-91	76	8.8+0 9.6+1		Haasbroek+ CURV. STACKED FOILS.
	Expt 4 EXFORB0097.002	779	8.8+0 9.6+1		. 13 DATA POINTS.
Zn(a,x) ⁶⁸ Ge σ(E)					
7798	LVN Expt W TO KACHAPAG	79	8.8+0 9.9+1		Haasbroek. NUMERICAL DATA.
	Expt R CSIR-FIS-91	76	8.8+0 9.9+1		Haasbroek+ CURV. STACKED FOILS.
	Expt 4 EXFORB0097.003	779	8.8+0 9.6+1		. 38 DATA POINTS.
Zn(a,x) ⁶⁸ Ge thick target yield					
7799	LVN Expt R CSIR-FIS-91	76	8.8+0 9.9+1		Haasbroek+ CURV. STACKED FOILS.
	Expt 4 EXFORB0097.003	779	8.8+0 9.6+1		. 38 DATA POINTS.
Zn(a,x)isotopic distribution σ(E)					
7800	TOK Expt J ARI	29 615	78 1.0+1 4.0+1		Nagame+ CURV. STACKED FOILS. 10 PRODUCT
Zn(a,x)isotopic distribution thick target yield					
7801	TOK Expt J ARI	29 615	78 5.0+0 3.8+1		Nagame+ CURV. FRM STCKD FOILS. 7 PROD
Zn(a,x)isotopic distribution partial relative σ(E)					
7802	OSA Expt J JPJ	45 740 978	1.5+1 2.2+1		Nakayama+ CURV. IN-BEAM G.
⁶⁰ Zn(a,γ) ⁶⁴ Ge σ(E)					
7803	CAL Theo J AND	22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶¹ Zn(a,γ) ⁶⁵ Ge σ(E)					
7804	CAL Theo J AND	22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶² Zn(a,γ) ⁶⁶ Ge σ(E)					
7805	CAL Theo J AND	22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶³ Zn(a,γ) ⁶⁷ Ge σ(E)					
7806	CAL Theo J AND	22 371	N78 NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371	N78 NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁶⁴ Zn(a,total) σ(E)					
7807	IJI Revw J FCY	6 827	75 1.4+1 2.5+1		Nemets+ CURV. DEPENDENCE ON Z.
	Revw J SJPN	6 325	76 1.4+1 2.5+1		. TRANSLATION OF FCY 6,(14),827(1975).
⁶⁴ Zn(a,inelastic) ⁶⁴ Zn σ(E)					
7808	PUR Expt J PR/C	18 148 778	1.8+1		Lux+ TBL. ENERGY AND ANGLE INTEGRATED
⁶⁴ Zn(a,inelastic) ⁶⁴ Zn partial σ(E)=factor					
7809	PUR Expt J PR/C	18 148 778	1.8+1		Lux+ CURV. PERCENT OF PRECOMPOUND EMISS
⁶⁴ Zn(a,inelastic) ⁶⁴ Zn partial raw thick target yield,=abundance					
7810	SUN Expt J JRC	50 307	79 5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{64}\text{Zn}(\alpha, n p)^{66}\text{Ga}$ relative I_γ				
7811 GRE Expt J NP/A 308	103 078	2.2+1	4.0+1	Morand+ CURV. 8 GS. OPT. E. AT 31 MEV.
$^{64}\text{Zn}(\alpha, p)^{67}\text{Ga}$ $\sigma(E)$				
7812 CAL Theo R OAP-422	875 TR	1.4+1		Woosley+ CURV. HAUSER-FESHBACH.
7813 PUR Expt J NP/A 277	413 277	1.8+1		Lux+ INTAD. (505+-84)MB.
$^{64}\text{Zn}(\alpha, n)^{67}\text{Ge}$ raw product yield				
7814 LVP Expt J JP/G 5	423 379	9.6+0	9.8+0	Al-Naser+ CURV. 2 GS(67GA). THRESH MEAS
Expt J JP/G 5	423 379	9.0+0	1.6+1	Al-Naser+ NDG. 500 KEV STEPS.
$^{64}\text{Zn}(\alpha, n)^{67}\text{Ge}$ relative I_γ				
7815 ANL Expt J PR/C 17	1574 578	9.7+0	1.0+1	Murphy+ CURV. 3 GS. YLD*+2/3
$^{64}\text{Zn}(\alpha, n)^{67}\text{Ge}$ $\sigma(E)$				
7816 CAL Theo R OAP-422	875 TR	1.3+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{64}\text{Zn}(\alpha, \gamma)^{68}\text{Ge}$ $\sigma(E)$				
7817 CAL Theo J AND 22	371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
Theo R OAP-422	875 TR	1.3+1		Woosley+ CURV. HAUSER-FESHBACH.
7818 GOE Expt J ZP/A 291	377 79	1.9+1		Kantus+ TBL. REV. OF MAX SIG. CFD. CALC
$^{68}\text{Zn}(\alpha, \gamma)^{68}\text{Ge}$ $\sigma(E)$				
7819 CAL Theo J AND 22	371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{68}\text{Zn}(\alpha, \text{inelastic})^{68}\text{Zn}$ $\sigma(E)$				
7820 PUR Expt J PR/C 18	148 778	1.8+1		Lux+ TBL. ENERGY AND ANGLE INTEGRATED
$^{68}\text{Zn}(\alpha, \text{inelastic})^{68}\text{Zn}$ partial $\sigma(E)$ x factor				
7821 PUR Expt J PR/C 18	148 778	1.8+1		Lux+ CURV. PERCENT OF PRECOMPOUND EMISS
$^{68}\text{Zn}(\alpha, \text{inelastic})^{68}\text{Zn}$ partial raw thick target yield, x abundance				
7822 SUN Expt J JRC 50	307 79	5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
$^{68}\text{Zn}(\alpha, p)^{69}\text{Ga}$ $\sigma(E)$				
7823 CAL Theo R OAP-422	875 TR	1.4+1		Woosley+ CURV. HAUSER-FESHBACH.
7824 PUR Expt J NP/A 277	413 277	1.8+1		Lux+ INTAD. (134+-16)MB.
$^{68}\text{Zn}(\alpha, n)^{69}\text{Ge}$ $\sigma(E)$				
7825 CAL Theo R OAP-422	875	3.4+0	1.4+1	Woosley+ CURV. HAUSER-FESHBACH.
$^{68}\text{Zn}(\alpha, \gamma)^{70}\text{Ge}$ $\sigma(E)$				
7826 CAL Theo J AND 22	371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
Theo R OAP-422	875 TR	1.4+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{67}\text{Zn}(\alpha, \text{inelastic})^{67}\text{Zn}$ partial raw thick target yield, x abundance				
7827 SUN Expt J JRC 50	307 79	5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
$^{67}\text{Zn}(\alpha, p)^{70}\text{Ga}$ $\sigma(E)$				
7828 CAL Theo R OAP-422	875 TR	1.4+1		Woosley+ CURV. HAUSER-FESHBACH.
$^{67}\text{Zn}(\alpha, n)^{70}\text{Ge}$ $\sigma(E)$				
7829 CAL Theo R OAP-422	875	3.8+0	1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
$^{67}\text{Zn}(\alpha, \gamma)^{71}\text{Ge}$ $\sigma(E)$				
7830 CAL Theo J AND 22	371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND 22	371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
Theo R OAP-422	875	1.9+0	1.1+1	Woosley+ CURV. HAUSER-FESHBACH.
$^{68}\text{Zn}(\alpha, \text{inelastic})^{68}\text{Zn}$ $\sigma(E)$				
7831 PUR Expt J PR/C 18	148 778	1.8+1		Lux+ TBL. ENERGY AND ANGLE INTEGRATED
$^{68}\text{Zn}(\alpha, \text{inelastic})^{68}\text{Zn}$ partial $\sigma(E)$ x factor				
7832 PUR Expt J PR/C 18	148 778	1.8+1		Lux+ CURV. PERCENT OF PRECOMPOUND EMISS
$^{68}\text{Zn}(\alpha, \text{inelastic})^{68}\text{Zn}$ partial raw thick target yield, x abundance				
7833 SUN Expt J JRC 50	307 79	5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		$^{68}\text{Zn}(\alpha, n p)^{70}\text{Ge}$ relative I_γ				
7834	GRE Expt J JPR	38	105 277	2.3+1 4.0+1	Morand+	CURV. 5 GAMMAS REL. TO 691-KEV
		$^{68}\text{Zn}(\alpha, n p)^{70}\text{Ge}$ partial relative $\sigma(E)$				
7835	GRE Expt J JPR	38	105 277	3.1+1	Morand+	CURV.REL.SIDEBAND FEEDING. $I=0-15$
		$^{68}\text{Zn}(\alpha, p)^{71}\text{Ge}$ $\sigma(E)$				
7836	CAL Theo R OAP-422		875 TR	1.4+1	Woosley+	CURV. HAUSER-FESHBACH.
7837	PUR Expt J NP/A 277		413 277	1.8+1	Lux+	INTAD. (42+-6)MB.
		$^{68}\text{Zn}(\alpha, 2n)^{70}\text{Ge}$ partial relative $\sigma(E)$				
7838	GRE Expt J JPR	38	105 277	3.1+1	Morand+	CURV.REL.SIDEBAND FEEDING. $J=0-15$
		$^{68}\text{Zn}(\alpha, n)^{71}\text{Ge}$ $\sigma(E)$				
7839	CAL Theo R OAP-422		875 2.3+0	1.1+1	Woosley+	CURV. HAUSER-FESHBACH.
		$^{68}\text{Zn}(\alpha, \gamma)^{72}\text{Ge}$ $\sigma(E)=\text{factor}$				
7840	CAL Expt C 777OKYO		846 877	NDG	Zyskind+	TBL. WIGNER CUSP/MINIMUM RATIO
		$^{68}\text{Zn}(\alpha, \gamma)^{72}\text{Ge}$ $\sigma(E)$				
7841	CAL Theo J AND	22	371 N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875 TR	1.1+1	Woosley+	CURV. HAUSER-FESHBACH.
		$^{68}\text{Zn}(\alpha, \gamma)^{73}\text{Ge}$ $\sigma(E)$				
7842	CAL Theo J AND	22	371 N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{70}\text{Zn}(\alpha, \text{Inelastic})^{70}\text{Zn}$ $\sigma(E)$				
7843	PUR Expt J PR/C	18	148 778	1.8+1	Lux+	TBL. ENERGY AND ANGLE INTEGRATED
		$^{70}\text{Zn}(\alpha, \text{Inelastic})^{70}\text{Zn}$ partial $\sigma(E)=\text{factor}$				
7844	PUR Expt J PR/C	18	148 778	1.8+1	Lux+	CURV. PERCENT OF PRECOMPOUND EMISS
		$^{70}\text{Zn}(\alpha, p)^{73}\text{Ge}$ $\sigma(E)$				
7845	CAL Theo R OAP-422		875 TR	1.4+1	Woosley+	CURV. HAUSER-FESHBACH.
7846	PUR Expt J NP/A 277		413 277	1.8+1	Lux+	INTAD. (26+-4)MB.
		$^{70}\text{Zn}(\alpha, n)^{73}\text{Ge}$ $\sigma(E)$				
7847	CAL Theo R OAP-422		875 3.6+0	1.1+1	Woosley+	CURV. HAUSER-FESHBACH.
		$^{70}\text{Zn}(\alpha, \gamma)^{74}\text{Ge}$ $\sigma(E)$				
7848	CAL Theo J AND	22	371 N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875 1.6+0	1.1+1	Woosley+	CURV. HAUSER-FESHBACH.
		$^{71}\text{Zn}(\alpha, n)^{74}\text{Ge}$ $\sigma(E)$				
7849	CAL Theo J AND	22	371 N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$\text{Ga}(\alpha, x)\gamma$ raw thick target yield				
7850	SUN Expt J JRC	50	307 79	5.0+0	Giles+	NO PROMPT GS. GAFL TARGET.
		$\text{Ga}(\alpha, 2n)^{73}\text{As}$ thick target yield				
7851	FEI Expt J AE	41	48 76	1.9+1 4.4+1	Dmitriev+	TBL. CURV. RESIDUAL ACTIVITY.
	Expt J SJA	41	657 76	1.9+1 4.4+1		. TRANSLATION OF AE 41, 48(1976)
	Expt 4 EXFORA0006.008	478	1.9+1 4.4+1			. 4 DATA POINTS.
		$\text{Ga}(\alpha, x)^{74}\text{As}$ thick target yield				
7852	FEI Expt J AE	41	48 76	1.3+1 4.4+1	Dmitriev+	TBL. CURV. RESIDUAL ACTIVITY.
	Expt J SJA	41	657 76	1.3+1 4.4+1		. TRANSLATION OF AE 41, 48(1976)
	Expt 4 EXFORA0006.009	478	1.3+1 4.4+1			. 5 DATA POINTS.
		$^{62}\text{Ga}(\alpha, p)^{65}\text{Ge}$ $\sigma(E)$				
7853	CAL Theo J AND	22	371 N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{62}\text{Ga}(\alpha, \gamma)^{66}\text{As}$ $\sigma(E)$				
7854	CAL Theo J AND	22	371 N78	NDG	Woosley+	NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{63}\text{Ga}(\alpha, p)^{66}\text{Ge}$ $\sigma(E)$			
7855	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{63}\text{Ga}(\alpha, \gamma)^{67}\text{As}$ $\sigma(E)$			
7856	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{64}\text{Ga}(\alpha, \gamma)^{68}\text{As}$ $\sigma(E)$			
7857	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{65}\text{Ga}(\alpha, \gamma)^{69}\text{As}$ $\sigma(E)$			
7858	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{68}\text{Ga}(\alpha, \gamma)^{70}\text{As}$ $\sigma(E)$			
7859	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{67}\text{Ga}(\alpha, \gamma)^{71}\text{As}$ $\sigma(E)$			
7860	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{68}\text{Ga}(\alpha, \gamma)^{72}\text{As}$ $\sigma(E)$			
7861	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{69}\text{Ga}(\alpha, 2n+p)^{70}\text{Ge}$ relative I_γ			
7862	CNE Expt J NP/A	309 285 078 3.5+1 5.5+1			Filevich+ NDG. IN-BEAM STUDY.
		$^{69}\text{Ga}(\alpha, 3n)^{70}\text{As}$ relative I_γ			
7863	CNE Expt J NP/A	309 285 078 3.5+1 5.5+1			Filevich+ CURV. 6 GS. IN-BEAM STUDY.
	Expt J NP/A	309 285 078 4.5+1			Filevich+ TBL. 10 GS. IN-BEAM STUDY.
		$^{69}\text{Ga}(\alpha, 2n)^{71}\text{As}$ relative I_γ			
7864	KLN Expt J PR/C	15 1742 577 2.4+1			Heits+ TBL. REL. TO 1001KEV G
		$^{68}\text{Ga}(\alpha, \gamma)^{73}\text{As}$ $\sigma(E)$			
7865	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{70}\text{Ga}(\alpha, \gamma)^{74}\text{As}$ $\sigma(E)$			
7866	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{71}\text{Ga}(\alpha, 2n)^{73}\text{As}$ relative I_γ			
7867	KLN Expt J PR/C	15 1742 577 2.1+1			Heits+ TBL. REL. TO 361KEV G
		$^{71}\text{Ga}(\alpha, 2n)^{73}\text{As}$ thick target yield*abundance			
7868	FEI Expt J AE	41 48 76 1.9+1 4.4+1			Dmitriev+ TBL. CURV. RESIDUAL ACTIVITY.
	Expt J SJA	41 657 76 1.9+1 4.4+1			. TRANSLATION OF AE 41, 48(1976)
	Expt 4 EXFORA0006.008	478 1.9+1 4.4+1			. 4 DATA POINTS.
		$^{71}\text{Ga}(\alpha, n)^{74}\text{As}$ thick target yield*abundance			
7869	FEI Expt J AE	41 48 76 1.3+1 4.4+1			Dmitriev+ TBL. CURV. RESIDUAL ACTIVITY.
	Expt J SJA	41 657 76 1.3+1 4.4+1			. TRANSLATION OF AE 41, 48(1976)
	Expt 4 EXFORA0006.009	478 1.3+1 4.4+1			. 5 DATA POINTS.
		$^{71}\text{Ga}(\alpha, \gamma)^{75}\text{As}$ $\sigma(E)$			
7870	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{72}\text{Ga}(\alpha, \gamma)^{76}\text{As}$ $\sigma(E)$			
7871	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
		$^{73}\text{Ga}(\alpha, \gamma)^{77}\text{As}$ $\sigma(E)$			
7872	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab	Work	Reference	Emin	Emax	Author, Comments
		Type		(MeV)	(MeV)	
$^{74}\text{Ge}(\alpha, n)^{77}\text{As}$ $\sigma(E)$						
7873	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{74}\text{Ge}(\alpha, \gamma)^{78}\text{As}$ $\sigma(E)$						
7874	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$\text{Ge}(\alpha, x)^{71}\text{As}$ $\sigma(E)$						
7875	LIE	Expt A JLCR	16	126	79 +1 4.0+1	Guillaume+ NDG. CONTAMINANT IN SE73 PRO
$\text{Ge}(\alpha, x)^{72}\text{As}$ $\sigma(E)$						
7876	LIE	Expt A JLCR	16	126	79 +1 4.0+1	Guillaume+ NDG. CONTAMINANT IN SE73 PRO
$\text{Ge}(\alpha, x)^{73}\text{As}$ cumulative thick target yield						
7877	FEI	Expt J AE	41	48	76 1.1+1 4.4+1	Dmitriev+ TBL. CURV. RESIDUAL ACTIVITY.
		Expt J SJA	41	657	76 1.1+1 4.4+1	. TRANSLATION OF AE 41, 48(1976)
		Expt 4 EXFORA0006.004	478	1.1+1	4.4+1	. 5 DATA POINTS.
$\text{Ge}(\alpha, x)^{74}\text{As}$ thick target yield						
7878	FEI	Expt J AE	41	48	76 2.4+1 4.4+1	Dmitriev+ TBL. CURV. RESIDUAL ACTIVITY.
		Expt J SJA	41	657	76 2.4+1 4.4+1	. TRANSLATION OF AE 41, 48(1976)
		Expt 4 EXFORA0006.007	478	2.4+1	4.4+1	. 4 DATA POINTS.
$\text{Ge}(\alpha, x)^{76}\text{As}$ $\sigma(E)$						
7879	LIE	Expt A JLCR	16	126	79 +1 4.0+1	Guillaume+ NDG. CONTAMINANT IN SE73 PRO
$\text{Ge}(\alpha, x)^{72}\text{Se}$ $\sigma(E)$						
7880	JCL	Expt J ARI	30	595	79 2.1+1 4.0+1	Nozaki+ CURV.
		Expt P A-JCL-77	134	D77	2.0+1 4.0+1	Nozaki+ CURV. STACKED FOILS.
$\text{Ge}(\alpha, x)^{72}\text{Se}$ thick target yield						
7881	JCL	Expt J ARI	30	595	79 5.0+0 4.0+1	Nozaki+ TBL. SATURATION ACTIVITY.
		Expt A JLCR	16	219	79 2.0+1 4.0+1	Nozaki+ TBL. SATURATION ACTIVITY.
$\text{Ge}(\alpha, x)^{73}\text{Se}$ $\sigma(E)$						
7882	LIE	Expt A JLCR	16	126	79 +1 4.0+1	Guillaume+ NDG.
7883	JCL	Expt J ARI	30	595	79 1.3+1 4.0+1	Nozaki+ CURV.
		Expt P A-JCL-77	134	D77	1.1+1 4.0+1	Nozaki+ CURV. STACKED FOILS.
$\text{Ge}(\alpha, x)^{73}\text{Se}$ thick target yield						
7884	JCL	Expt J ARI	30	595	79 5.0+0 4.0+1	Nozaki+ TBL. SATURATION ACTIVITY.
		Expt A JLCR	16	219	79 2.0+1 4.0+1	Nozaki+ TBL. SATURATION ACTIVITY.
7885	BNL	Expt J ARI	29	411	778 1.5+1 3.7+1	Guillaume+ CURV. FROM STACKED FOILS.
$\text{Ge}(\alpha, x)^{75}\text{Se}$ thick target yield						
7886	JCL	Expt J ARI	30	595	79 5.0+0 4.0+1	Nozaki+ TBL. SATURATION ACTIVITY.
7887	FEI	Expt J AE	34	405	573 1.5+1 4.4+1	Dmitriev+ CURV.
		Expt J AE	32	426	572 1.5+1 4.4+1	. EXPERIMENTAL DETAILS.
		Expt J AE	31	157	71 1.5+1 4.4+1	. EXPERIMENTAL DETAILS.
		Expt J SJA	34	499	573 6.5+0 2.2+1	. TRANSLATION OF AE 34, 405(1973).
		Expt J SJA	32	500	72 6.5+0 2.2+1	. TRANSLATION OF AE 32, 426(1972).
		Expt J SJA	31	876	871 6.5+0 2.2+1	. TRANSLATION OF AE 31, 157(1971).
		Expt 4 EXFORA0022.004	379	1.5+1	4.4+1	. 5 DATA POINTS.
$\text{Ge}(\alpha, x)^{75}\text{Se}$ $\sigma(E)$						
7888	LIE	Expt A JLCR	16	126	79 +1 4.0+1	Guillaume+ NDG. CONTAMINANT IN SE73 PRO
7889	JCL	Expt J ARI	30	595	79 1.1+1 4.0+1	Nozaki+ CURV.
$^{64}\text{Ge}(\alpha, \gamma)^{68}\text{Se}$ $\sigma(E)$						
7890	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{65}\text{Ge}(\alpha, \gamma)^{69}\text{Se}$ $\sigma(E)$						
7891	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{66}\text{Ge}(\alpha, \gamma)^{70}\text{Se}$ $\sigma(E)$						
7892	CAL	Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
		Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{67}\text{Ge}(\alpha, \gamma)^{71}\text{Se} \quad \sigma(E)$					
7893	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{68}\text{Ge}(\alpha, \gamma)^{72}\text{Se} \quad \sigma(E)$					
7894	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{69}\text{Ge}(\alpha, \gamma)^{73}\text{Se} \quad \sigma(E)$					
7895	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{70}\text{Ge}(\alpha, 3n+p)^{70}\text{As} \quad \text{relative } I_{\gamma}$					
7896	CNE Expt J NP/A	309 285 078 3.5+1 5.5+1	Filevich+	NDG. PRELIMINARY. IN-BEAM	
$^{70}\text{Ge}(\alpha, n+p)^{72}\text{As} \quad \text{product yield}$					
7897	CNE Expt P INDC(SEC)-61 4	077 3.0+1 5.5+1	Mariscotti+	NDG.	
$^{70}\text{Ge}(\alpha, 3n)^{71}\text{Se} \quad \text{relative } \sigma(E)$					
7898	YAL Expt J JIN	38 2139 76	+1 1.2+2	La-Brecque+	NDG. PEAK AT 55MEV.
$^{70}\text{Ge}(\alpha, 2n)^{72}\text{Se} \quad \text{thick target yield} \times \text{abundance}$					
7899	FEI Expt J AE	34 405 573 2.5+1 4.4+1	Dmitriev+	CURV.	
	Expt J AE	32 426 572 2.5+1 4.4+1		. EXPERIMENTAL DETAILS.	
	Expt J AE	31 157 71 2.5+1 4.4+1		. EXPERIMENTAL DETAILS.	
	Expt J SJA	34 499 573 6.5+0 2.2+1		. TRANSLATION OF AE 34, 405(1973).	
	Expt J SJA	32 500 72 6.5+0 2.2+1		. TRANSLATION OF AE 32, 426(1972).	
	Expt J SJA	31 876 871 6.5+0 2.2+1		. TRANSLATION OF AE 31, 157(1971).	
	Expt 4 EXFORA0022.004	379 2.5+1 4.4+1		. 5 DATA POINTS.	
$^{70}\text{Ge}(\alpha, n)^{73}\text{Se} \quad \sigma(E)$					
7900	BNL Expt J ARI	29 411 778 1.3+1 3.2+1	Guillaume+	TBL. CURV. STACKED FOILS	
7901	JUL Rev W PREPRINT	678 1.3+1 3.2+1	Qaim+	CURV.	
$^{70}\text{Ge}(\alpha, n)^{73}\text{Se} \quad \text{thick target yield}$					
7902	CLU Expt A BAP	24 847 979 TR	+1	Roughton+	NDG. EXTR. REACT. RATES.
$^{70}\text{Ge}(\alpha, \gamma)^{74}\text{Se} \quad \sigma(E)$					
7903	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{71}\text{Ge}(\alpha, \gamma)^{75}\text{Se} \quad \sigma(E)$					
7904	CAL Theo J AND	22 371 N78 NDG			Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22 371 N78 NDG			. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{72}\text{Ge}(\alpha, x)^{71}\text{As} \quad \sigma(E)$					
7905	LIE Expt A JLCR	16 126 79	+1 4.0+1	Guillaume+	NDG. CONTAMINANT IN SE73 PRO
$^{72}\text{Ge}(\alpha, x)^{72}\text{As} \quad \sigma(E)$					
7906	LIE Expt A JLCR	16 126 79	+1 4.0+1	Guillaume+	NDG. CONTAMINANT IN SE73 PRO
$^{72}\text{Ge}(\alpha, 3n+p)^{72}\text{As} \quad \text{product yield}$					
7907	CNE Expt P INDC(SEC)-61 4	077 3.0+1 5.5+1	Mariscotti+	NDG.	
$^{72}\text{Ge}(\alpha, 3n+p)^{72}\text{As} \quad \text{relative } \sigma(E)$					
7908	CNE Expt J NP/A	261 317 76 3.0+1 5.5+1	Behar+	CURV MEASURED INTENSE GAMMAS	
$^{72}\text{Ge}(\alpha, 2n+p)^{73}\text{As} \quad \text{relative } \sigma(E)$					
7909	CNE Expt J NP/A	261 317 76 3.0+1 5.5+1	Behar+	CURV MEASURED INTENSE GAMMAS	
$^{72}\text{Ge}(\alpha, x)^{74}\text{As} \quad \text{partial relative } \sigma(E)$					
7910	CNE Expt J PR/C	14 1776 76 3.0+1 5.5+1	Bermudez+	CURV. REL. 835KEV G FROM INL.	
	Expt J NP/A	261 317 76 3.0+1 5.5+1	Behar+	CURV MEASURED INTENSE GAMMAS	
$^{72}\text{Ge}(\alpha, 4n)^{72}\text{Se} \quad \text{relative } \sigma(E)$					
7911	CNE Expt J NP/A	261 317 76 3.0+1 5.5+1	Behar+	CURV MEASURED INTENSE GAMMAS	
$^{72}\text{Ge}(\alpha, 3n)^{73}\text{Se} \quad \sigma(E)$					
7912	LIE Expt A JLCR	16 126 79	+1 4.0+1	Guillaume+	NDG. 96.4 PER-CENT.
7913	BNL Expt J ARI	29 411 778 3.2+1 4.0+1	Guillaume+	TBL. CURV. STACKED FOILS	
7914	JUL Rev W PREPRINT	678 3.3+1 4.0+1	Qaim+	CURV.	

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{72}\text{Ge}(\alpha,3n)^{73}\text{Se}$	thick target yield			
7915 BNL Expt J ARI	29 411 778	3.2+1	4.0+1	Guillaume+ CURV. FROM STACKED FOILS.
$^{72}\text{Ge}(\alpha,3n)^{73}\text{Se}$	partial relative $\sigma(E)$			
7916 CNE Expt J NP/A 261	317 76	3.0+1	5.5+1	Behar+ CURV MEASURED INTENSE GAMMAS
$^{72}\text{Ge}(\alpha,2n)^{74}\text{Se}$	relative $\sigma(E)$			
7917 CNE Expt J NP/A 261	317 76	3.0+1	5.5+1	Behar+ CURV MEASURED INTENSE GAMMAS
$^{72}\text{Ge}(\alpha,n)^{73}\text{Se}$	thick target yield			
7918 CLU Expt A BAP	24 847 979	TR		+1 Roughlon+ NDG. EXTR. REACT. RATES.
$^{72}\text{Ge}(\alpha,n)^{73}\text{Se}$	$\sigma(E)$			
7919 LIE Expt A JLCR	16 126 79		+1 4.0+1	Guillaume+ NDG. CONTAMINANT IN SE73 PRO
$^{72}\text{Ge}(\alpha,\gamma)^{78}\text{Se}$	$\sigma(E)$			
7920 CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{73}\text{Ge}(\alpha,\gamma)^{77}\text{Se}$	$\sigma(E)$			
7921 CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{74}\text{Ge}(\alpha,n)^{77}\text{Se}$	thick target yield			
7922 CLU Expt A BAP	24 847 979	TR		+1 Roughlon+ NDG. EXTR. REACT. RATES.
$^{74}\text{Ge}(\alpha,\gamma)^{78}\text{Se}$	$\sigma(E)$			
7923 CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{75}\text{Ge}(\alpha,\gamma)^{79}\text{Se}$	$\sigma(E)$			
7924 CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{76}\text{Ge}(\alpha,\gamma)^{80}\text{Se}$	$\sigma(E)$			
7925 CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{80}\text{Ge}(\alpha,x)^{73}\text{Se}$	thick target yield			
7926 LIE Expt A JLCR	16 126 79	2.6+1		Guillaume+ GE02. 218MUCI/MUAH.
Expt A JLCR	16 126 79	2.6+1		Guillaume+ GE-70(95PRCNT). IMCI/MUAH.
$^{66}\text{As}(\alpha,p)^{69}\text{Se}$	$\sigma(E)$			
7927 CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{66}\text{As}(\alpha,\gamma)^{70}\text{Br}$	$\sigma(E)$			
7928 CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{67}\text{As}(\alpha,p)^{70}\text{Se}$	$\sigma(E)$			
7929 CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{67}\text{As}(\alpha,\gamma)^{71}\text{Br}$	$\sigma(E)$			
7930 CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{68}\text{As}(\alpha,\gamma)^{72}\text{Br}$	$\sigma(E)$			
7931 CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{69}\text{As}(\alpha,\gamma)^{73}\text{Br}$	$\sigma(E)$			
7932 CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR
$^{70}\text{As}(\alpha,\gamma)^{74}\text{Br}$	$\sigma(E)$			
7933 CAL Theo J AND	22 371 N78	NDG		Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
Theo J AND	22 371 N78	NDG		. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁷¹As(α,γ)⁷⁵Br σ(E)					
7934	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷²As(α,γ)⁷⁶Br σ(E)					
7935	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷³As(α,γ)⁷⁷Br σ(E)					
7936	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁴As(α,γ)⁷⁸Br σ(E)					
7937	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR
⁷⁵As(α,n+α)⁷⁴As thick target yield					
7938	FEI Expt J AE	41	48	76 4.3+1	Dmitriev+ TBL. CURV. RESIDUAL ACTIVITY.
	Expt J SJA	41	657	76 4.3+1	. TRANSLATION OF AE 41. 48(1976)
	Expt 4 EXFORA0006	.012	478	4.3+1	. 20.+2.6MUCI/MUAHR
⁷⁵As(α,3n+p)⁷⁵Se relative I_γ					
7939	CNE Expt J PR/C	17	516	278 3.0+1 5.5+1	Behar+ CURV. MOST INTENSE GAMMAS.
⁷⁵As(α,2n+p)⁷⁸Se relative I_γ					
7940	CNE Expt J PR/C	17	516	278 3.5+1 5.5+1	Behar+ CURV. MOST INTENSE GAMMAS.
⁷⁵As(α,n+p)⁷⁷Se relative I_γ					
7941	CNE Expt J PR/C	17	516	278 3.0+1 5.5+1	Behar+ CURV. MOST INTENSE GAMMAS.
⁷⁵As(α,4n)⁷⁵Br relative I_γ					
7942	CNE Expt J PR/C	17	516	278 3.0+1 5.5+1	Behar+ CURV. MOST INTENSE GAMMAS.
	Expt J NP/A 282	331	477	4.5+1 5.5+1	Behar+ CURV. MOST INTENSE GAMMAS.
⁷⁵As(α,3n)⁷⁶Br σ(E)					
7943	JCL Expt J ARI	30	79	79 2.8+1 3.8+1	Nozaki+ CURV. GAMMA DETECTION.
⁷⁵As(α,3n)⁷⁶Br thick target yield					
7944	JCL Expt J ARI	30	79	79 3.0+1 4.0+1	Nozaki+ TBL. SATURATION ACTIVITY.
	Expt A JLCR	16	219	79 2.0+1 4.0+1	Nozaki+ TBL. SATURATION ACTIVITY.
⁷⁵As(α,3n)⁷⁶Br relative I_γ					
7945	CNE Expt J PR/C	17	516	278 3.0+1 5.5+1	Behar+ CURV. MOST INTENSE GAMMAS.
	Expt J NP/A 282	331	477	3.5+1 5.5+1	Behar+ CURV. MOST INTENSE GAMMAS.
⁷⁵As(α,3n)⁷⁶Br partial σ(E)					
7946	CNE Expt J NP/A 282	331	477	4.5+1	Behar+ TBL. 8 GAMMAS.
⁷⁵As(α,x)⁷⁶Br product yield					
7947	GOE Expt J ZP/A 289	121	78	NDG	Schmidt-Otti+ NEW ISOMER T _{1/2} =1.49+-0.025
⁷⁵As(α,3n)⁷⁸Br product yield					
7948	CNE Expt J PL/B	83	31	479 NDG	Kreiner+ NDG. T _{1/2} =1.32S. 102.6KEV LVL.
⁷⁵As(α,2n)⁷⁷Br σ(E)					
7949	JCL Expt J ARI	30	79	79 1.4+1 3.8+1	Nozaki+ CURV. GAMMA DETECTION.
	Expt P A-JCL-77	134	077	1.5+1 3.8+1	Nozaki+ CURV. STACKED FOILS.
⁷⁵As(α,2n)⁷⁷Br thick target yield					
7950	JCL Expt J ARI	30	79	79 2.0+1 4.0+1	Nozaki+ TBL. SATURATION ACTIVITY.
	Expt A JLCR	16	219	79 2.0+1 4.0+1	Nozaki+ TBL. SATURATION ACTIVITY.
7951	AML Revv J IRE	26	2281	479 2.8+1	Chaudri. TBL. CFD EXP. TO CALC.
7952	JUL Revv W PREPRINT		678	2.8+1	Qaim+ CURV. 0.41MCI/MICROAH
⁷⁵As(α,2n)⁷⁷Br relative I_γ					
7953	CNE Expt J PR/C	17	516	278 3.0+1 5.5+1	Behar+ CURV. MOST INTENSE GAMMAS.
	Expt J NP/A 282	331	477	3.0+1 5.5+1	Behar+ CURV. MOST INTENSE GAMMAS.
⁷⁵As(α,γ)⁷⁸Br σ(E)					
7954	CAL Theo J AND	22	371	N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH.
	Theo J AND	22	371	N78 NDG	. TBL OF STAT. THERMONUC. REAC. RT. PAR

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
	⁷⁶ As(α,γ) ⁸⁰ Br	σ(E)			
7955	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁷⁷ As(α,γ) ⁸¹ Br	σ(E)			
7956	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁷⁸ As(α,γ) ⁸² Br	σ(E)			
7957	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
	Se(α,x) ⁷⁶ Br	thick target yield			
7958	JCL Expl A JLCR	16	219	79 2.0+1 5.0+1	Nozaki+ TBL. SATURATION ACTIVITY.
	Se(α,x) ⁷⁷ Br	thick target yield			
7959	JCL Expl A JLCR	16	219	79 2.0+1 5.0+1	Nozaki+ TBL. SATURATION ACTIVITY.
	Se(α,x) ⁸² Br	thick target yield			
7960	JCL Expl A JLCR	16	219	79 2.0+1 3.0+1	Nozaki+ TBL. SATURATION ACTIVITY.
	⁸⁸ Se(α,γ) ⁷² Kr	σ(E)			
7961	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁸⁹ Se(α,γ) ⁷³ Kr	σ(E)			
7962	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁷⁰ Se(α,γ) ⁷⁴ Kr	σ(E)			
7963	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁷¹ Se(α,γ) ⁷⁵ Kr	σ(E)			
7964	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁷² Se(α,γ) ⁷⁶ Kr	σ(E)			
7965	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁷³ Se(α,γ) ⁷⁷ Kr	σ(E)			
7966	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁷⁴ Se(α,γ) ⁷⁸ Kr	σ(E)			
7967	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁷⁵ Se(α,γ) ⁷⁹ Kr	σ(E)			
7968	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁷⁶ Se(α,γ) ⁸⁰ Kr	σ(E)			
7969	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁷⁷ Se(α,γ) ⁸¹ Kr	σ(E)			
7970	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
	⁷⁸ Se(α,2n) ⁸⁰ Kr	partial product yield			
7971	ROS Expl P A-(PS-79	154	79	+1 2.7+1	Funke+ NDG. TBP NP/A.
	⁷⁸ Se(α,γ) ⁸² Kr	σ(E)			
7972	CAL Theo J AND Theo J AND	22 22	371 371	N78 NDG N78 NDG	Woosley+ NDG. SIG DATA AVAIL. FRM AUTH. . TBL OF STAT. THERMONUC. REAC. RT. PAR
	Br(α,x) ⁷⁵ As	cumulative thick target yield			
7973	KFK Expl R KFK-2298	37	476	1.0+2	Helus+ ACTIVATION. 2.32CI/AH. 17.7D

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		Br(α,x) ⁷⁵ As cumulative thick target yield			
7974	KFK Expl R	KFK-2298	49 476	TR	2.4+1 Michel+ CURV. ELECTRODEPOSITION.
7975	KFK Expl R	KFK-2298	37 476	1.0+2	Helus+ ACTIVATION. 3.74Ci/AH. 120.00
		Br(α,x) ⁷⁵ Br cumulative thick target yield			
7976	KFK Expl R	KFK-2298	37 476	1.0+2	Helus+ ACTIVATION. 748.56Ci/AH
		Br(α,x) ⁷⁶ Br cumulative thick target yield			
7977	KFK Expl R	KFK-2298	37 476	1.0+2	Helus+ ACTIVATION. 380.40Ci/AH
		Br(α,x) ⁷⁷ Br thick target yield			
7978	AML Rev J	IRE 26 2281	479	1.0+2	Chaudri. TBL. CFD EXP. TO CALC.
		Br(α,x) ⁷⁷ Br cumulative thick target yield			
7979	KFK Expl R	KFK-2298	37 476	6.0+1	1.0+2 Helus+ ACTIVATION. TBL.
	Expl R	KFK-2298	37 476	1.0+2	Helus+ ACTIVATION. 321.70Ci/AH
		Br(α,x) ⁷⁷ Br independent thick target yield			
7980	KFK Expl R	KFK-2298	37 476	6.0+1	1.0+2 Helus+ ACTIVATION. TBL.
		Br(α,x) ⁷⁷ Kr cumulative thick target yield			
7981	KFK Expl R	KFK-2298	37 476	1.0+2	Helus+ ACTIVATION. 1784.50Ci/AH
		Br(α,x) ⁷⁷ Kr thick target yield			
7982	JCL Expl A	JLCR 16 219	79	2.0+1	5.0+1 Nozaki+ TBL. SATURATION ACTIVITY.
		Br(α,xn+p) ⁷⁷ Kr thick target yield			
7983	AML Rev J	IRE 26 2281	479	NDG	Chaudri. TBL. CFD EXP. TO CALC.
		Br(α,x) ⁷⁸ Kr cumulative thick target yield			
7984	KFK Expl R	KFK-2298	37 476	1.0+2	Helus+ ACTIVATION. 265.13Ci/AH
		Br(α,x) ⁸¹ Rb cumulative thick target yield			
7985	KFK Expl R	KFK-2298	37 476	1.0+2	Helus+ ACTIVATION. 1631.06Ci/AH
		Br(α,x) ⁸² Rb σ(E)			
7986	JCL Expl J	ARI 30 345	79	1.2+1	4.0+1 Homma+ CURV.
		Br(α,x) ⁸² Rb thick target yield			
7987	JCL Expl J	ARI 30 345	79	1.2+1	4.0+1 Homma+ CURV. FROM SIG(E).
		Br(α,x) ⁸² Rb cumulative thick target yield			
7988	KFK Expl R	KFK-2298	37 476	1.0+2	Helus+ ACTIVATION. 236.77Ci/AH. 6.4H
		Br(α,x) ⁸³ Rb thick target yield			
7989	FEI Expl J	AE 32 426	572	1.6+1	4.4+1 Dmitriev+ CURV. RESIDUAL ACTIVITY.
	Expl J	SJA 32 500	72	1.6+1	4.4+1 . TRANSLATION OF AE 32. 426(1972)
	Expl 4	EXFORA0011.002	478	1.6+1	4.4+1 . 5 DATA POINTS
		Br(α,x) ⁸³ Rb cumulative thick target yield			
7990	KFK Expl R	KFK-2298	37 476	1.0+2	Helus+ ACTIVATION. 2.66Ci/AH
		Br(α,x) ⁸³ Rb product yield			
7991	BNL Expl A	JLCR 16 210	79	NDG	Lambrecht+ NDG. BROMOFORM. PRELIM.
		⁷⁸ Br(α,2n+α) ⁷⁷ Br σ(E)			
7992	JCL Expl J	ARI 30 345	79	1.2+1	4.0+1 Homma+ CURV.
		⁷⁸ Br(α,2n+α) ⁷⁷ Br thick target yield			
7993	JCL Expl J	ARI 30 345	79	1.0+1	4.0+1 Homma+ CURV. FROM SIG(E).
		⁷⁸ Br(α,inelastic) ⁷⁸ Br partial raw thick target yield, abundance			
7994	SUN Expl J	JRC 50 307	79	5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
		⁷⁸ Br(α,3n+p) ⁷⁸ Kr I _γ			
7995	CNE Expl J	NP/A 287 255	977	4.5+1	5.5+1 Behar+ CURV. 130.0-KEV GAMMA. 98.5% ENR
		⁷⁸ Br(α,2n+p) ⁸⁰ Kr I _γ			
7996	CNE Expl J	NP/A 287 255	977	3.5+1	6.5+1 Behar+ CURV. 616.2-KEV GAMMA. 98.5% ENR

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
79	Br(a,n+p) ⁸¹ Kr	I _y				
7997	CNE Expt J NP/A	287	255	977 3.0+1 5.0+1	Behar+	CURV. 49.5-KEV GAMMA. 98.5% ENR1
79	Br(a,3n) ⁸⁰ Rb	relative I _y				
7998	CNE Expt J NP/A	287	255	977 3.5+1 5.5+1	Behar+	CURV. 63.0-KEV GAMMA. 98.5% ENR1
	Expt J NP/A	287	255	977 4.5+1	Behar+TBL.11	G'S.63.NC=EGC=375.9. 98.5%
79	Br(a,2n) ⁸¹ Rb	thick target yieldxabundance				
7999	AML Revw J IRE	26	2281	479 3.0+1 5.0+1	Chaudri.	TBL. CFD EXP. TO CALC.
79	Br(a,2n) ⁸¹ Rb	σ(E)				
8000	JCL Expt J ARI	30	345	79 1.2+1 4.0+1	Homma+	CURV. STACKED FOILS(PBR).
79	Br(a,2n) ⁸¹ Rb	thick target yield				
8001	JCL Expt J ARI	30	345	79 1.2+1 4.0+1	Homma+	CURV.
79	Br(a,2n) ⁸¹ Rb	I _y				
8002	CNE Expt J NP/A	287	255	977 3.0+1 4.5+1	Behar+	CURV. 153.5-KEV GAMMA. 98.5% ENR
81	Br(a,inelastic) ⁸¹ Br	partial raw thick target yieldxabundance				
8003	SUN Expt J JRC	50	307	79 5.0+0	Giles+	TBL. SURVEY OF PROMPT GS.
81	Br(a,2n) ⁸³ Rb	σ(E)				
8004	JCL Expt J ARI	30	345	79 1.2+1 4.0+1	Homma+	CURV.
81	Br(a,2n) ⁸³ Rb	thick target yield				
8005	JCL Expt J ARI	30	345	79 1.0+1 4.0+1	Homma+	CURV.
81	Br(a,2n) ⁸³ Rb	thick target yieldxabundance				
8006	FEI Expt J AE	32	426	572 1.6+1 4.4+1	Dmitriev+	CURV. AREA ANALYSIS.
	Expt J SJA	32	500	72 1.6+1 4.4+1	.	TRANSLATION OF AE 32, 426(1972)
	Expt 4 EXFORA0011.002	478	1.6+1 4.4+1	.	5 DATA POINTS	
81	Br(a,n) ⁸⁴ Rb	σ(E)				
8007	JCL Expt J ARI	30	345	79 1.2+1 4.0+1	Homma+	CURV.
81	Br(a,n) ⁸⁴ Rb	thick target yield				
8008	JCL Expt J ARI	30	345	79 1.0+1 4.0+1	Homma+	CURV.
81	Br(a,n) ⁸⁴ Rb	including metastable thick target yieldxabundance				
8009	FEI Expt J AE	32	426	572 1.6+1 4.4+1	Dmitriev+	CURV. AREA ANALYSIS.
	Expt J SJA	32	500	72 1.6+1 4.4+1	.	TRANSLATION OF AE 32, 426(1972)
	Expt 4 EXFORA0011.003	478	1.6+1 4.4+1	.	5 DATA POINTS	
80	Br(a,x) ⁸¹ Kr	σ(E)				
8010	IPS Expt P A-IPS-79	137	79	NDG	Alterling+	NDG. IN PROGRESS.
80	Br(a,x) ⁸¹ Rb	relative product yield				
8011	BNL Expt J ARI	31	51	79 3.0+1	Lambrecht+	TBL. REL. EOB YIELDS. 16MEV
80	Br(a,x) ⁸² Rb	relative product yield				
8012	BNL Expt J ARI	31	51	79 3.0+1	Lambrecht+	TBL. REL. EOB YIELDS. 16MEV
80	Br(a,x) ⁸³ Rb	relative product yield				
8013	BNL Expt J ARI	31	51	79 3.0+1	Lambrecht+	TBL. REL. EOB YIELDS. 16MEV
80	Br(a,x) ⁸⁴ Rb	relative product yield				
8014	BNL Expt J ARI	31	51	79 3.0+1	Lambrecht+	TBL. REL. EOB YIELDS. 16MEV
80	Kr(a,x) ⁸⁴ Rb	raw thick target yield				
8015	FEI Expt J AE	32	426	572 4.4+1	Dmitriev+	TBL. CALC.
	Expt J SJA	32	500	72 4.4+1	.	TRANSLATION OF AE 32, 426(1972)
	Expt 4 EXFORA0011.011	478	4.4+1	.	1.0MUCI/MUHR	
80	Kr(a,x) ⁸⁶ Rb	raw thick target yield				
8016	FEI Expt J AE	32	426	572 4.4+1	Dmitriev+	TBL. CALC.
	Expt J SJA	32	500	72 4.4+1	.	TRANSLATION OF AE 32, 426(1972)
	Expt 4 EXFORA0011.	478	4.4+1	.	2 DATA POINTS.	
80	Kr(a,x) ⁸³ Sr	cumulative raw thick target yield				
8017	FEI Expt J AE	32	426	572 4.4+1	Dmitriev+	TBL. CALC.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		Kr(α, x) ⁸³ Sr cumulative raw thick target yield				
8017	FEI Expt J SJA	32 500 72 4.4+1				. TRANSLATION OF AE 32, 426(1972)
	Expt 4 EXFORA0011	010 478 4.4+1				. 1.4MUCI/MUAHR.
		⁸² Kr(α, n) ⁸⁵ Sr relative I _y				
8018	IPS Expt J NP/A	280 72 477 1.4+1 2.1+1			Arnell+ TBL.	CURV. REL TO 1111-KEV GAMM
		⁸⁴ Kr($\alpha, 3n$) ⁸⁵ Sr relative I _y				
8019	IPS Expt J NP/A	280 72 477 3.8+1			Arnell+ TBL.	CURV. REL TO 1111-KEV GAMM
		⁸⁹ Rb($\alpha, inelastic$) ⁸⁹ Rb partial raw thick target yield, abundance				
8020	SUN Expt J JRC	50 307 79 5.0+0			Giles+ TBL.	SURVEY OF PROMPT GS.
		⁸⁵ Rb($\alpha, 7n+p$) ⁸¹ Sr product yield				
8021	GRN Expt A JLCR	23 247 77 1.8+2			Van Herk+ 100MEV THICK.	26MB CALCULATED
		⁸⁵ Rb($\alpha, 2n$) ⁸⁷ Y thick target yield, abundance				
8022	AML Revv J IRE	26 2281 479 3.2+1			Chaudri.	TBL. CFD EXP. TO CALC.
		⁸⁷ Rb($\alpha, 3n+p$) ⁸⁷ Sr relative I _y				
8023	CNE Expt J NP/A	306 113 878 3.0+1 5.5+1			Davidson+ CURV.	417.7-KEV G.
		⁸⁷ Rb($\alpha, 2n+p$) ⁸⁸ Sr relative I _y				
8024	CNE Expt J NP/A	306 113 878 3.0+1 5.5+1			Davidson+ CURV.	348.7-KEV G.
		⁸⁷ Rb($\alpha, 4n$) ⁸⁷ Y relative I _y				
8025	CNE Expt J NP/A	306 113 878 3.0+1 5.5+1			Davidson+ CURV.	381.3-KEV G.
		⁸⁷ Rb($\alpha, 3n$) ⁸⁸ Y relative I _y				
8026	CNE Expt J NP/A	306 113 878 3.0+1 5.5+1			Davidson+ CURV.	232.3-KEV G.
		⁸⁷ Rb($\alpha, 2n$) ⁸⁹ Y relative I _y				
8027	CNE Expt J NP/A	306 113 878 3.0+1 5.5+1			Davidson+ CURV.	15 GAMMAS.
		⁸⁷ Rb($\alpha, 2n$) ⁸⁹ Y partial relative $\sigma(E)$				
8028	CLU Expt J PR/C	20 2442 079 2.4+1 3.6+1			Fields+ TBL.	20 GS. ALSO A2, A4.
		Sr(α, x)y raw thick target yield				
8029	SUN Expt J JRC	50 307 79 5.0+0			Giles+ NO PROMPT GS.	CARBONATE POWDER.
		⁸⁴ Sr($\alpha, 2n+p$) ⁸⁵ Y $\sigma(E)$				
8030	IPS Expt P A-IPS-79	71 79 5.1+1			Arnell+ NDG.	HALF OF TOTAL REACTION SIG
		⁸⁴ Sr($\alpha, 3n$) ⁸⁵ Zr relative $\sigma(E)$				
8031	CTH Expt P KDK-32	4 479 NDG			Arnell+ APP.	20PER-CENT OF TOTAL.
	Expt P INDC(SWD)-12	4 479 NDG				. SAME AS KDK-32
	Expt P NEANDC(OR)152	479 NDG				. SAME AS KDK-32
		⁸⁴ Sr($\alpha, 2n$) ⁸⁶ Zr relative I _y				
8032	CLU Expt J NP/A	302 159 678 2.8+1 3.5+1			Kitching+ TBL.	9 GS. ALSO LEG. COEF.
		⁸⁴ Sr(α, n) ⁸⁷ Zr partial relative $\sigma(E)$				
8033	ABA Expt J ZP/A	289 89 78 1.6+1 2.1+1			Arnell+ CURV.	11 GAMMAS.
		⁸⁴ Sr(α, n) ⁸⁷ Zr relative I _y				
8034	CLU Expt J NP/A	302 159 678 2.3+1			Kitching+ TBL.	21 GS. ALSO LEG. COEF.
		⁸⁶ Sr($\alpha, 2n+p$) ⁸⁷ Y $\sigma(E)$				
8035	IPS Expt P A-IPS-79	71 79 5.1+1			Arnell+ NDG.	0.80 OF TOTAL REACTION SIG
		⁸⁶ Sr($\alpha, 4n$) ⁸⁶ Zr partial relative $\sigma(E)$				
8036	IPS Expt J ZP/A	289 89 78 4.5+1 5.1+1			Arnell+ NDG.	CLEARLY DIST. FRM. (A, 2N)
		⁸⁶ Sr($\alpha, 3n$) ⁸⁷ Zr partial relative $\sigma(E)$				
8037	IPS Expt J ZP/A	289 89 78 4.5+1 5.1+1			Arnell+ TBL.	47 GS. ALSO A2/A0, A4/A0.
		⁸⁶ Sr($\alpha, 2n$) ⁸⁸ Zr partial relative $\sigma(E)$				
8038	IPS Expt J ZP/A	289 89 78 4.5+1 5.1+1			Arnell+ NDG.	CLEARLY DIST. FRM. (A, 2N)
		⁸⁶ Sr($\alpha, 2n$) ⁸⁸ Zr relative I _y				
8039	CLU Expt J NP/A	302 159 678 2.8+1 3.5+1			Kitching+ TBL.	14 GS. ALSO LEG. COEF.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{88}\text{Sr}(\alpha, \gamma)^{90}\text{Zr}$ partial $\sigma(E)$					
8040	ANL Expt A BAP	24 32 179	NDG		Segal+ NDG. EXTRACTED G.S. ALPHA DECAYS
8041	NMU Expt A DA/B	39 4950 479	7.6+0	1.3+1	Raghunathan. NDG. E1.E2 SIGMAS.
$^{89}\text{Y}(\alpha, x)\gamma$ raw thick target yield					
8042	SUN Expt J JRC	50 307 79	5.0+0		Giles+ NO PROMPT GS. CARBONATE POWDER.
$^{89}\text{Y}(\alpha, \text{scattering})^{89}\text{Y}$ partial spectrum average $\sigma(E)$					
8043	MUO Expt W ANNUAL RPT	97 74 2.3+1	2.7+1		Eberhard+ CURV. INTAD(140-180).
$^{89}\text{Y}(\alpha, 2n)^{91}\text{Nb}$ relative I_γ					
8044	IFJ Expt J APPB	7 355 76	2.5+1	2.8+1	Balanda+ CURV. 19 GAMMAS.
$^{89}\text{Y}(\alpha, 2n)^{91}\text{Nb}$ partial relative $\sigma(E)$					
8045	CLU Expt J NP/A	326 55 979	2.4+1	3.6+1	Fields+ TBL. 15 GS. ALSO A2.A4..MIX.RAT
$\text{Zr}(\alpha, \text{scattering})$ partial spectrum average $\sigma(E)$					
8046	MUO Expt W ANNUAL RPT	97 74 2.3+1	2.7+1		Eberhard+ CURV. INTAD(140-180).
$\text{Zr}(\alpha, \text{total})$ $\sigma(E)$					
8047	IJI Revv J FCY	6 827 75	4.0+1		Nemets+ TBL. FROM PR 131.1251(1963).
	Revv J SJPN	6 325 76	4.0+1		. TRANSLATION OF FCY 6.(4).827(1975).
$^{90}\text{Zr}(\alpha, x)$ partial $\sigma(E)$					
8048	MRY Expt J PR/C	20 1284 079	8.0+1	1.6+2	Wu+ TBL. SUM OF CP BREAK-UP.
$^{90}\text{Zr}(\alpha, x)$ partial $\sigma(E) \times \text{factor}$					
8049	MRY Expt J PR/C	20 1284 079	8.0+1	1.6+2	Wu+ TBL. RATIO TO TOTAL AND GEOMETRIC.
$^{90}\text{Zr}(\alpha, \text{total})$ $\sigma(E)$					
8050	MRY Expt J PR/C	20 1284 079	8.0+1	1.6+2	Wu+ TBL. ALSO GEOMETRIC.
$^{90}\text{Zr}(\alpha, \text{total})$ partial $\sigma(E) \times \text{factor}$					
8051	MRY Expt J PR/C	20 1284 079	8.0+1	1.6+2	Wu+ TBL. RATIO PARTIAL TO TOTAL.
$^{90}\text{Zr}(\alpha, x)^1\text{H}$ $\sigma(E)$					
8052	MRY Expt J PR/C	20 1284 079	8.0+1	1.6+2	Wu+ TBL. ESTIMATED FROM DA/DE.
$^{90}\text{Zr}(\alpha, x)^1\text{H}$ $\sigma(E) \times \text{factor}$					
8053	MRY Expt J PR/C	20 1284 079	8.0+1	1.6+2	Wu+ TBL. RATIO TO TOTAL AND GEOMETRIC.
$^{90}\text{Zr}(\alpha, x)^2\text{H}$ $\sigma(E)$					
8054	MRY Expt J PR/C	20 1284 079	8.0+1	1.6+2	Wu+ TBL. ESTIMATED FROM DA/DE.
$^{90}\text{Zr}(\alpha, x)^2\text{H}$ $\sigma(E) \times \text{factor}$					
8055	MRY Expt J PR/C	20 1284 079	8.0+1	1.6+2	Wu+ TBL. RATIO TO TOTAL AND GEOMETRIC.
$^{90}\text{Zr}(\alpha, x)^3\text{H}$ $\sigma(E)$					
8056	MRY Expt J PR/C	20 1284 079	8.0+1	1.6+2	Wu+ TBL. ESTIMATED FROM DA/DE.
$^{90}\text{Zr}(\alpha, x)^3\text{H}$ $\sigma(E) \times \text{factor}$					
8057	MRY Expt J PR/C	20 1284 079	8.0+1	1.6+2	Wu+ TBL. RATIO TO TOTAL AND GEOMETRIC.
$^{90}\text{Zr}(\alpha, x)^3\text{He}$ $\sigma(E)$					
8058	MRY Expt J PR/C	20 1284 079	8.0+1	1.6+2	Wu+ TBL. ESTIMATED FROM DA/DE.
$^{90}\text{Zr}(\alpha, x)^3\text{He}$ $\sigma(E) \times \text{factor}$					
8059	MRY Expt J PR/C	20 1284 079	8.0+1	1.6+2	Wu+ TBL. RATIO TO TOTAL AND GEOMETRIC.
$^{90}\text{Zr}(\alpha, ^3\text{He})^{91}\text{Zr}$ $\sigma(E)$					
8060	MRY Expt A BAP	23 954 978	8.0+1	1.6+2	Wu+ NDG. A**1/3 DEPEND. IN BREAKUP
$^{90}\text{Zr}(\alpha, t)^{91}\text{Nb}$ $\sigma(E)$					
8061	MRY Expt A BAP	23 954 978	8.0+1	1.6+2	Wu+ NDG. A**1/3 DEPEND. IN BREAKUP
$^{90}\text{Zr}(\alpha, d)^{92}\text{Nb}$ $\sigma(E)$					
8062	MRY Expt A BAP	23 954 978	8.0+1	1.6+2	Wu+ NDG. A**1/3 DEPEND. IN BREAKUP
$^{90}\text{Zr}(\alpha, p)^{93}\text{Nb}$ $\sigma(E)$					
8063	MRY Expt A BAP	23 954 978	8.0+1	1.6+2	Wu+ NDG. A**1/3 DEPEND. IN BREAKUP

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁹⁶ Zr(α,inelastic) ⁹⁶ Zr partial raw thick target yield, abundance					
8064	SUN Expt J JRC	50 307	79 5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
⁹¹ Nb(α,4n) ^{91m} 9Tc summation σ(E)					
8065	MAN Expt J JIN	41 617	79 4.0+1	6.8+1	Branquinho+ CURV. ALICE CFD EXPT.
8066	HAR Expt J JIN	41 617	79 4.4+1	7.2+1	Branquinho+ TBL. STACKED FOILS.
⁹¹ Nb(α,4n) ^{91m} 9Tc ratio σ(E)					
8067	HAR Expt J JIN	41 617	79 4.4+1	7.2+1	Branquinho+ TBL. STACKED FOILS.
8068	MAN Expt J JIN	41 617	79 5.6+1		Branquinho+ TBL. STACKED FOILS.
	Expt J JIN	41 617	79 4.0+1	7.2+1	Branquinho+ CURV. PREEQUIL. CFD EXPT.
⁹¹ Nb(α,3n) ^{92m} 9Tc summation σ(E)					
8069	HAR Expt J JIN	41 617	79 2.8+1	7.2+1	Branquinho+ TBL. STACKED FOILS.
8070	MAN Expt J JIN	41 617	79 2.8+1	7.2+1	Branquinho+ CURV. ALICE CFD EXPT.
⁹¹ Nb(α,3n) ^{92m} 9Tc ratio σ(E)					
8071	HAR Expt J JIN	41 617	79 2.8+1	7.2+1	Branquinho+ TBL. STACKED FOILS.
8072	MAN Expt J JIN	41 617	79 2.8+1	5.6+1	Branquinho+ TBL. STACKED FOILS.
	Expt J JIN	41 617	79 2.8+1	7.2+1	Branquinho+ CURV. PREEQUIL. CFD EXPT.
⁹¹ Nb(α,2n) ^{93m} 9Tc summation σ(E)					
8073	MAN Expt J JIN	41 617	79 1.5+1	3.2+1	Branquinho+ CURV. ALICE CFD EXPT.
8074	HAR Expt J JIN	41 617	79 1.8+1	4.8+1	Branquinho+ TBL. STACKED FOILS.
⁹¹ Nb(α,2n) ^{93m} 9Tc ratio σ(E)					
8075	MAN Expt J JIN	41 617	79 1.6+1	5.0+1	Branquinho+ CURV. MODEL CFD EXPT.
	Expt J JIN	41 617	79 1.8+1	3.8+1	Branquinho+ TBL. STACKED FOILS.
8076	HAR Expt J JIN	41 617	79 1.8+1	4.8+1	Branquinho+ TBL. STACKED FOILS.
⁹¹ Nb(α,n) ^{94m} 9Tc summation σ(E)					
8077	MAN Expt J JIN	41 617	79 1.0+1	2.6+1	Branquinho+ CURV. ALICE CFD EXPT.
8078	HAR Expt J JIN	41 617	79 1.5+1	2.1+1	Branquinho+ TBL. STACKED FOILS.
⁹¹ Nb(α,n) ^{94m} 9Tc ratio σ(E)					
8079	MAN Expt J JIN	41 617	79 1.2+1	2.4+1	Branquinho+ CURV. PREEQUIL. CFD EXPT.
	Expt J JIN	41 617	79 1.5+1	2.3+1	Branquinho+ TBL. STACKED FOILS.
8080	HAR Expt J JIN	41 617	79 1.5+1	2.1+1	Branquinho+ TBL. STACKED FOILS.
⁹³ Nb(α,total) σ(E)					
8081	IJI Revu J FCY	6 827	75 2.3+1	4.0+1	Nemets+ TBL.
	Revu J SJPN	6 325	76 2.3+1	4.0+1	TRANSLATION OF FCY 6.(4),827(1975).
⁹³ Nb(α,x)γ raw thick target yield					
8082	SUN Expt J JRC	50 307	79 5.0+0		Giles+ NO PROMPT GS. POWDER TARGET.
⁹³ Nb(α,x)γ thick target yield					
8083	CCP Expt R YK-21	73 76	4.6+1		Malusevich+ CURV. TBL. THETA = 0 DEG.
	Expt R INDC(CCP)-103	577	4.6+1		TRANSLATION OF T. OF C.(YK 21,73(1976)
⁹³ Nb(α,x) ³ H average σ(E)					
8084	KFK Expt J NP/A 333	173 180	1.6+1	5.0+1	Merkel+ TBL. 4 ENERGY GROUPS.
	Expt P NEANDC(E)-1925	478	1.2+1	5.0+1	Merkel+ CURV. FRM ITY P 68.
⁹³ Nb(α,x) ³ H product yield					
8085	KFK Expt J NP/A 333	173 180	2.0+1	5.0+1	Merkel+ TBL. T PER A. STOPPED ALL T.
⁹³ Nb(α,x) ³ H σ(E)					
8086	KFK Expt J NP/A 333	173 180	1.8+1	5.0+1	Merkel+ CURV. THEORY CFD MEAN SIGMA.
⁹³ Nb(α,x) ⁸⁹ Nb cumulative? σ(E)					
8087	JUL Expt P JUEL-1974	51 74	9.5+1	1.7+2	Schanz+ CURV. STACKED FOILS. CFD. THEOR
⁹³ Nb(α,4n+α) ⁸⁹ Nb σ(E)					
8088	MAN Expt J JIN	41 791	79 6.4+1	7.2+1	Branquinho+ TBL. CURV. SOME WORK AT HAR
⁹³ Nb(α,4n+α) ⁸⁹ Nb σ(E)					
8089	MAN Expt J JIN	41 791	79 6.4+1	7.2+1	Branquinho+ TBL. CURV. SOME WORK AT HAR
⁹³ Nb(α,4n+α) ^{89m} 9Nb σ(E)					
8090	MAN Expt J JIN	41 791	79 6.4+1	7.2+1	Branquinho+ CURV. SOME WORK AT HARWELL.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
			$^{93}\text{Nb}(\alpha, x)^{90}\text{Nb}$			cumulative? $\sigma(E)$
8091	JUL	Expt P	JUEL-1974	51	74	8.5+1 1.7+2 Schanz+ CURV. STACKED FOILS. CFD. THEOR
			$^{93}\text{Nb}(\alpha, 3n+\alpha)^{90+9}\text{Nb}$			$\sigma(E)$
8092	MAN	Expt J	JIN	41	791	79 4.4+1 7.2+1 Branquinho+ TBL. CURV. SOME WORK AT HAR
			$^{93}\text{Nb}(\alpha, n)^{91}\text{Nb}$			partial relative $\sigma(E)$
8093	MCG	Expt J	CJP	58	174	80 1.3+1 2.7+1 Mach+ NDG. GE(LI). G-RAY EXIT. FUNCT.
			$^{93}\text{Nb}(\alpha, n+\alpha)^{92}\text{Nb}$			$\sigma(E)$
8094	MAN	Expt J	JIN	41	791	79 2.1+1 4.4+1 Branquinho+ TBL. CURV. SOME WORK AT HAR
			$^{93}\text{Nb}(\alpha, 2p)^{95+9}\text{Nb}$			summation $\sigma(E)$
8095	MAN	Expt J	JIN	41	791	79 3.4+1 4.4+1 Branquinho+ TBL. CURV. SOME WORK AT HAR
			$^{93}\text{Nb}(\alpha, x)^{90}\text{Mo}$			cumulative? $\sigma(E)$
8096	JUL	Expt P	JUEL-1974	51	74	9.0+1 1.7+2 Schanz+ CURV. STACKED FOILS. CFD. THEOR
			$^{93}\text{Nb}(\alpha, 3n+p)^{93+9}\text{Mo}$			$\sigma(E)$
8097	MAN	Expt J	JIN	41	791	79 3.8+1 7.2+1 Branquinho+ TBL. CURV. SOME WORK AT HAR
		Expt P	NEANDC(E)-202	479	3.8+1	7.2+1 Goodall+ CURV. RADIOCHEM. P. 79.
		Expt P	INDC(UK)-31	79	479	3.8+1 7.2+1 . SAME AS NEANDC(E)-202, VOL. 8.
		Expt P	UKNDC-P-94	79	479	3.8+1 7.2+1 . SAME AS NEANDC(E)-202, VOL. 8.
			$^{93}\text{Nb}(\alpha, x)^{95}\text{Mo}$			partial relative $\sigma(E)$
8098	MCG	Expt J	CJP	58	174	80 1.3+1 2.7+1 Mach+ NDG. GE(LI). G-RAY EXIT. FUNCT.
			$^{93}\text{Nb}(\alpha, p)^{96}\text{Mo}$			partial relative $\sigma(E)$
8099	MCG	Expt J	CJP	58	174	80 1.3+1 2.7+1 Mach+ NDG. GE(LI). G-RAY EXIT. FUNCT.
			$^{93}\text{Nb}(\alpha, 5n)^{92}\text{Tc}$			$\sigma(E)$
8100	MAN	Expt J	JIN	41	791	79 5.6+1 7.2+1 Branquinho+ TBL. CURV. SOME WORK AT HAR
			$^{93}\text{Nb}(\alpha, 4n)^{93+9}\text{Tc}$			summation $\sigma(E)$
8101	HAR	Expt J	JIN	41	617	79 4.4+1 7.2+1 Branquinho+ TBL. CURV. CFD ALICE.
			$^{93}\text{Nb}(\alpha, 4n)^{93+9}\text{Tc}$			ratio $\sigma(E)$
8102	HAR	Expt J	JIN	41	617	79 4.4+1 7.2+1 Branquinho+ TBL. CURV. CFD ALICE.
		Expt P	NEANDC(E)-2028	479	1.6+1	7.2+1 Goodall+ CURV. RADIOCHEM. P. 78.
		Expt P	UKNDC-P-94	78	479	1.6+1 7.2+1 . SAME AS NEANDC(E)-202, VOL. 8.
		Expt P	INDC(UK)-31	78	479	1.6+1 7.2+1 . SAME AS NEANDC(E)-202, VOL. 8.
			$^{93}\text{Nb}(\alpha, 3n)^{94+9}\text{Tc}$			summation $\sigma(E)$
8103	HAR	Expt J	JIN	41	617	79 2.8+1 7.2+1 Branquinho+ TBL. CURV. CFD ALICE.
			$^{93}\text{Nb}(\alpha, 3n)^{94+9}\text{Tc}$			ratio $\sigma(E)$
8104	HAR	Expt J	JIN	41	617	79 2.8+1 7.2+1 Branquinho+ TBL. CURV. CFD ALICE.
		Expt P	NEANDC(E)-2028	479	1.6+1	7.2+1 Goodall+ CURV. RADIOCHEM. P. 78.
		Expt P	UKNDC-P-94	78	479	1.6+1 7.2+1 . SAME AS NEANDC(E)-202, VOL. 8.
		Expt P	INDC(UK)-31	78	479	1.6+1 7.2+1 . SAME AS NEANDC(E)-202, VOL. 8.
8105	MAN	Expt J	JIN	41	617	79 2.8+1 3.8+1 Branquinho+ TBL. CURV. CFD ALICE.
			$^{93}\text{Nb}(\alpha, 2n)^{95}\text{Tc}$			relative I_y
8106	ROS	Expt J	NP/A 291	401	N77	2.3+1 2.7+1 Winter+TBL. 28GAMMAS+16K-CONV. ELECTRONS
			$^{93}\text{Nb}(\alpha, 2n)^{95}\text{Tc}$			partial relative $\sigma(E)$
8107	MCG	Expt J	CJP	58	174	80 1.3+1 2.7+1 Mach+ NDG. GE(LI). G-RAY EXIT. FUNCT.
			$^{93}\text{Nb}(\alpha, 2n)^{95}\text{Tc}$			thick target yield
8108	FEI	Expt J	AE	40	66	176 1.8+1 4.3+1 Dmitriev+ CURV. RESIDUAL ACTIVITY.
		Expt J	SJA	40	75	78 1.8+1 4.3+1 . TRANSLATION OF AE 40, 66(1976)
		Expt	4 EXFORA0009.010	478	1.8+1	4.3+1 . 5 DATA POINTS.
			$^{93}\text{Nb}(\alpha, 2n)^{95+9}\text{Tc}$			summation $\sigma(E)$
8109	HAR	Expt J	JIN	41	617	79 1.8+1 4.8+1 Branquinho+ TBL. CURV. CFD ALICE.
			$^{93}\text{Nb}(\alpha, 2n)^{95+9}\text{Tc}$			ratio $\sigma(E)$
8110	HAR	Expt P	NEANDC(E)-2028	479	1.6+1	7.2+1 Goodall+ CURV. RADIOCHEM. P. 78.
		Expt P	UKNDC-P-94	78	479	1.6+1 7.2+1 . SAME AS NEANDC(E)-202, VOL. 8.
		Expt P	INDC(UK)-31	78	479	1.6+1 7.2+1 . SAME AS NEANDC(E)-202, VOL. 8.
		Expt J	JIN	41	617	79 1.8+1 4.8+1 Branquinho+ TBL. CURV. CFD ALICE.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
⁹³ Nb(α,n) ⁹⁶ Tc including metastable thick target yield					
8111	FEI Expt J AE	40 66 176	1.2+1	4.3+1	Dmitriev+ CURV. RESIDUAL ACTIVITY.
	Expt J SJA	40 75 76	1.2+1	4.3+1	. TRANSLATION OF AE 40, 66(1976)
	Expt 4 EXFORA0009.011	478	1.2+1	4.3+1	. 6 DATA POINTS.
⁹³ Nb(α,n) ⁹⁶ Tc partial σ(E)					
8112	PAD Expt J NC	35 69 976	1.1+1	1.4+1	Bini+ CURV. FOR 10 INTENSE GAMMAS.
⁹³ Nb(α,n) ⁹⁶ Tc partial relative σ(E)					
8113	MCG Expt J CJP	58 174 80	1.3+1	2.7+1	Mach+ CURV. GE(L1). G-RAY EXCIT. FUNC
	Expt J CJP	58 174 80	1.8+1		Mach+ TBL. ALSO A2, A4. MIXING RATIOS
⁹³ Nb(α,n) ⁹⁶ + ⁹⁷ Tc summation σ(E)					
8114	HAR Expt J JIN	41 617 79	1.5+1	2.1+1	Branquinho+ TBL. CURV. CFD ALICE.
⁹³ Nb(α,n) ⁹⁶ + ⁹⁷ Tc ratio σ(E)					
8115	HAR Expt J JIN	41 617 79	1.5+1	2.1+1	Branquinho+ TBL. CURV. CFD ALICE.
8116	MAN Expt J JIN	41 617 79	1.5+1	2.3+1	Branquinho+ TBL. CURV. CFD ALICE.
⁹³ Nb(α,x)isotopic distribution σ(E)					
8117	HAR Expt P NEANDC(E)-2028	479 NDG			Goodall+ NDG. 6 PROD. RADIOCHEM. P 79.
	Expt P UKNDC-P-94	79 479 NDG			. SAME AS NEANDC(E)-202, VOL. 8.
	Expt P INDC(UK)-31	79 479 NDG			. SAME AS NEANDC(E)-202, VOL. 8.
8118	JUL Expt P JUEL-SPEZ-3621	479 5.0+1	1.6+2		Klampfl+ NDG. REMOVAL OF 1-15 NUCLEONS.
	Expt T UNIV. BONN	78 5.0+1	1.6+2		Klampfl.
⁹³ Nb(α,xn)isotopic distribution σ(E)					
8119	JUL Expt P JUEL-1974	51 74 3.0+1	1.7+2		Schanz+CURV.X=2-4. STCKD FOILS. CFD. THE
					Mo(α,totals) σ(E)
8120	[J] Revu J FCY	6 827 75 4.0+1			Nemets+ TBL. FROM PR 131,1251(1963).
	Revu J SJPN	6 325 76 4.0+1			. TRANSLATION OF FCY 6,(4),827(1975).
⁹³ Mo(α,x) ⁹⁵ Tc thick target yield					
8121	FEI Expt J AE	40 66 176	2.5+1	4.2+1	Dmitriev+ CURV. RESIDUAL ACTIVITY.
	Expt J SJA	40 75 76	2.5+1	4.2+1	. TRANSLATION OF AE 40, 66(1976)
	Expt 4 EXFORA0009.008	478	2.5+1	4.2+1	. 4 DATA POINTS.
⁹³ Mo(α,x) ⁹⁶ Tc including metastable thick target yield					
8122	FEI Expt J AE	40 66 176	1.8+1	4.3+1	Dmitriev+ CURV. RESIDUAL ACTIVITY.
	Expt W TO CAJAD	79 1.8+1	4.3+1		. INCREASED DATA + ERROR BY FCT OF 6.
	Expt J SJA	40 75 76	1.8+1	4.3+1	. TRANSLATION OF AE 40, 66(1976)
	Expt 4 EXFORA0009.009	478	1.8+1	4.3+1	. 5 DATA POINTS.
⁹³ Mo(α,x) ⁹⁷ Ru σ(E)					
8123	ALB Expt W ANN. REP.	65 77 4.0+1			Kishore+ NDG.
⁹³ Mo(α,x) ⁹⁷ Ru σ(E)×factor					
8124	ALB Expt W ANN. REP.	65 77 4.0+1			Kishore+ RU97/RU103 RATIO GT 1400.
⁹³ Mo(α,x) ⁹⁷ Ru product yield					
8125	JUL Revu W PREPRINT	678 1.6+1	2.2+1		Qaim+ CURV.
⁹³ Mo(α,x) ⁹⁷ Ru thick target yield					
8126	GER Expt A JLCR	16 226 79 2.2+1	3.0+1		Silvester+ TBL. CFD OTHERS.
⁹³ Mo(α,x) ¹⁰³ Ru σ(E)					
8127	ALB Expt W ANN. REP.	65 77 4.0+1			Kishore+ NDG.
⁹³ Mo(α,x) ¹⁰³ Ru σ(E)×factor					
8128	ALB Expt W ANN. REP.	65 77 4.0+1			Kishore+ RU97/RU103 RATIO GT 1400.
⁹³ Mo(α,fission)mass distribution product yield					
8129	SFU Expt A DA/B	37 6119 677 1.7+2			Blok. NDG. MICA TRACK DETECTORS.
⁹² Mo(α,2n+p) ⁹³ Zr σ(E)					
8130	KFK Expt J JIN	36 3647 74 2.6+1	5.5+1		Graf+ TBL. CURV. NAT. MO.
	Expt R KFK-1806	573 2.6+1	5.5+1		Graf. MORE DETAILS.
	Expt 4 EXFORB0040.009	77 2.6+1	5.5+1		. 11 ENTRIES.
8131	KFK Comp B PH-DAT	15 2 279 2.6+1	5.5+1		Muenzel+ TBL. FROM EXFOR.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{92}\text{Mo}(\alpha, 2n+p)^{93}\text{Tc}$ $\sigma(E)$					
8132	KFK Expt J JIN	36 3647	74 3.0+1	5.5+1	Graf+ TBL. CURV. NAT. MO.
	Expt R KFK-1806		573 3.0+1	5.5+1	Graf. MORE DETAILS.
	Expt 4 EXFORB0040.009	77 3.0+1	5.5+1		. 11 ENTRIES.
8133	KFK Comp B PH-DAT	15 2 D79	3.0+1	5.5+1	Muenzel+ TBL. FROM EXFOR.
$^{92}\text{Mo}(\alpha, n+p)^{94}\text{Tc}$ $\sigma(E)$					
8134	KFK Expt J JIN	36 3647	74 1.8+1	4.2+1	Graf+ TBL. CURV. NAT. MO.
	Expt R KFK-1806		573 1.8+1	4.2+1	Graf. MORE DETAILS.
	Expt 4 EXFORB0040.005	77 1.8+1	4.2+1		. 14 ENTRIES.
8135	KFK Comp B PH-DAT	15 2 D79	1.8+1	4.2+1	Muenzel+ TBL. FROM EXFOR.
$^{92}\text{Mo}(\alpha, n+p)^{94}\text{Tc}$ $\sigma(E)$					
8136	KFK Expt J JIN	36 3647	74 2.0+1	3.7+1	Graf+ TBL. CURV. NAT. MO. DEDUCED.
	Expt R KFK-1806		573 2.0+1	3.7+1	Graf. MORE DETAILS.
	Expt 4 EXFORB0040.005	77 2.0+1	3.7+1		. 6 ENTRIES.
8137	KFK Comp B PH-DAT	15 2 D79	2.0+1	3.7+1	Muenzel+ TBL. FROM EXFOR.
$^{92}\text{Mo}(\alpha, p)^{93}\text{Tc}$ $\sigma(E)$					
8138	KFK Expt J JIN	36 3647	74 1.2+1	2.7+1	Graf+ TBL. CURV. NAT. MO.
	Expt R KFK-1806		573 1.2+1	2.7+1	Graf. MORE DETAILS.
	Expt 4 EXFORB0040.007	77 1.2+1	2.7+1		. 7 ENTRIES.
8139	KFK Comp B PH-DAT	15 2 D79	1.2+1	2.7+1	Muenzel+ TBL. FROM EXFOR.
$^{92}\text{Mo}(\alpha, p)^{93}\text{Tc}$ $\sigma(E)$					
8140	KFK Expt J JIN	36 3647	74 1.3+1	3.2+1	Graf+ TBL. CURV. NAT. MO.
	Expt R KFK-1806		573 1.3+1	3.2+1	Graf. MORE DETAILS.
	Expt 4 EXFORB0040.007	77 1.3+1	3.2+1		. 12 ENTRIES.
8141	KFK Comp B PH-DAT	15 2 D79	1.3+1	3.2+1	Muenzel+ TBL. FROM EXFOR.
$^{92}\text{Mo}(\alpha, 2n)^{94}\text{Ru}$ $\sigma(E)$					
8142	KFK Expt J JIN	36 3647	74 1.9+1	4.1+1	Graf+ TBL. CURV. NAT. MO.
	Expt R KFK-1806		573 1.9+1	4.1+1	Graf. MORE DETAILS.
	Expt 4 EXFORB0040.004	77 1.9+1	4.1+1		. 17 ENTRIES.
8143	KFK Comp B PH-DAT	15 2 D79	1.9+1	4.1+1	Muenzel+ TBL. FROM EXFOR.
$^{92}\text{Mo}(\alpha, n)^{95}\text{Ru}$ $\sigma(E)$					
8144	KFK Expt J JIN	36 3647	74 1.2+1	3.0+1	Graf+ TBL. CURV. NAT. MO.
	Expt R KFK-1806		573 1.2+1	3.0+1	Graf. MORE DETAILS.
	Expt 4 EXFORB0040.002	77 1.2+1	3.0+1		. 12 ENTRIES.
8145	KFK Comp B PH-DAT	15 2 D79	1.2+1	3.0+1	Muenzel+ TBL. FROM EXFOR.
$^{92}\text{Mo}(\alpha, n)^{95}\text{Ru}$ thick target yield					
8146	CLU Expt A BAP	24 847 979	TR		+i Roughton+ NDG. EXTR. REACT. RATES.
$^{94}\text{Mo}(\alpha, \text{inelastic})^{94}\text{Mo}$ partial raw thick target yield, abundance					
8147	SUN Expt J JRC	50 307	79 5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
$^{94}\text{Mo}(\alpha, 2n+p)^{95}\text{Tc}$ $\sigma(E)$					
8148	KFK Expt J JIN	36 3647	74 3.0+1	5.5+1	Graf+ TBL. CURV. 93.9% METAL + CU-MO-04
	Expt R KFK-1806		573 3.0+1	5.5+1	Graf. MORE DETAILS.
	Expt 4 EXFORB0040.011	77 3.0+1	5.5+1		. 9 ENTRIES.
8149	KFK Comp B PH-DAT	15 2 D79	3.0+1	5.5+1	Muenzel+ TBL. FROM EXFOR.
$^{94}\text{Mo}(\alpha, 2n+p)^{95}\text{Tc}$ $\sigma(E)$					
8150	KFK Expt J JIN	36 3647	74 3.4+1	5.6+1	Graf+ TBL. CURV. 93.9% METAL + CU-MO-04
	Expt R KFK-1806		573 3.4+1	5.6+1	Graf. MORE DETAILS.
	Expt 4 EXFORB0040.011	77 3.4+1	5.6+1		. 7 ENTRIES.
8151	KFK Comp B PH-DAT	15 2 D79	3.4+1	5.6+1	Muenzel+ TBL. FROM EXFOR.
$^{94}\text{Mo}(\alpha, n+p)^{96}\text{Tc}$ including metastable $\sigma(E)$					
8152	KFK Expt J JIN	36 3647	74 2.1+1	5.9+1	Graf+ TBL. CURV. 93.9% CU-MO-04 POWDER
	Expt R KFK-1806		573 2.1+1	5.9+1	Graf. MORE DETAILS.
	Expt 4 EXFORB0040.012	77 2.1+1	5.9+1		. 12 ENTRIES.
8153	KFK Comp B PH-DAT	15 2 D79	2.1+1	5.9+1	Muenzel+ TBL. FROM EXFOR.
$^{94}\text{Mo}(\alpha, 3n)^{95}\text{Ru}$ $\sigma(E)$					
8154	KFK Expt J JIN	36 3647	74 3.0+1	5.9+1	Graf+ TBL. CURV. 93.9 PER CENT.
	Expt R KFK-1806		573 3.0+1	5.9+1	Graf. MORE DETAILS.
	Expt 4 EXFORB0040.017	77 3.0+1	5.9+1		. 10 ENTRIES.
8155	KFK Comp B PH-DAT	15 2 D79	3.0+1	5.9+1	Muenzel+ TBL. FROM EXFOR.

REFERENCES(cont.)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁹⁴ Mo(α,n) ⁹⁷ Ru σ(E)				
8156 JUL Revw W PREPRINT		678	1.2+1 4.6+1	Gaim+ CURV.
8157 KFK Expt J JIN 36 3647		74	1.2+1 5.9+1	Graf+ TBL. CURV. 93.9% CU-MO-04 POWDER.
Expt R KFK-1806		573	1.2+1 5.9+1	Graf. MORE DETAILS.
Expt 4 EXFORB0040.010		77	1.2+1 5.9+1	. 17 ENTRIES.
8158 KFK Comp B PH-DAT 15 2 079		1.2+1 5.9+1		Muenzel+ TBL. FROM EXFOR.
⁹⁴ Mo(α,n) ⁹⁷ Ru thick target yield				
8159 CLU Expt A BAP 24 847 979 TR				+1 Roughton+ NDG. EXTR. REACT. RATES.
⁹⁵ Mo(α,inelastic) ⁹⁵ Mo partial raw thick target yield, abundance				
8160 SUN Expt J JRC 50 307 79 5.0+0				Giles+ TBL. SURVEY OF PROMPT GS.
⁹⁵ Mo(α,2n+p) ⁹⁸ Tc including metastable σ(E)				
8161 KFK Expt J JIN 36 3647		74	2.8+1 6.0+1	Graf+ TBL. CURV. 96.41% CU-MO-04 POWDER
Expt R KFK-1806		573	2.8+1 6.0+1	Graf. MORE DETAILS.
Expt 4 EXFORB0040.014		77	2.8+1 6.0+1	. 11 ENTRIES.
8162 KFK Comp B PH-DAT 15 2 079		2.8+1 6.0+1		Muenzel+ TBL. FROM EXFOR.
⁹⁵ Mo(α,2n) ⁹⁷ Ru σ(E)				
8163 JUL Revw W PREPRINT		678	1.8+1 6.0+1	Gaim+ CURV.
8164 KFK Expt J JIN 36 3647		74	1.8+1 6.0+1	Graf+ TBL. CURV. 96.41% CU-MO-04 POWDER
Expt R KFK-1806		573	1.8+1 6.0+1	Graf. MORE DETAILS.
Expt 4 EXFORB0040.013		77	1.8+1 6.0+1	. 15 ENTRIES.
8165 KFK Comp B PH-DAT 15 2 079		1.8+1 6.0+1		Muenzel+ TBL. FROM EXFOR.
⁹⁸ Mo(α,inelastic) ⁹⁸ Mo partial raw thick target yield, abundance				
8166 SUN Expt J JRC 50 307 79 5.0+0				Giles+ TBL. SURVEY OF PROMPT GS.
⁹⁸ Mo(α,2n) ⁹⁸ Ru partial ν _y				
8167 WAS Expt J NIM 145 295 77 3.0+1				Westerberg+ 652-KEY G MULT=1072.-+9.MB.
⁹⁷ Mo(α,inelastic) ⁹⁷ Mo partial raw thick target yield, abundance				
8168 SUN Expt J JRC 50 307 79 5.0+0				Giles+ TBL. SURVEY OF PROMPT GS.
⁹⁷ Mo(α,n) ¹⁰⁰ Ru partial ν _y				
8169 IPS Expt P A-IPS-75 73 76 1.4+1 1.8+1				Dietrich+ CURV.
⁹⁸ Mo(α,inelastic) ⁹⁸ Mo partial raw thick target yield, abundance				
8170 SUN Expt J JRC 50 307 79 5.0+0				Giles+ TBL. SURVEY OF PROMPT GS.
⁹⁸ Mo(α,p) ¹⁰¹ Tc σ(E)				
8171 KFK Expt J JIN 36 3647		74	1.7+1 3.8+1	Graf+ TBL. CURV. MO100(A,2N+P) SUBTRACT
Expt R KFK-1806		573	1.7+1 3.8+1	Graf. MORE DETAILS.
Expt 4 EXFORB0040.008		77	1.7+1 3.8+1	. 13 ENTRIES.
8172 KFK Comp B PH-DAT 15 2 079		1.7+1 3.8+1		Muenzel+ TBL. FROM EXFOR.
¹⁰⁰ Mo(α,inelastic) ¹⁰⁰ Mo partial raw thick target yield, abundance				
8173 SUN Expt J JRC 50 307 79 5.0+0				Giles+ TBL. SURVEY OF PROMPT GS.
¹⁰⁰ Mo(α,2n+p) ¹⁰¹ Tc σ(E)				
8174 KFK Expt J JIN 36 3647		74	2.6+1 5.5+1	Graf+ TBL. CURV. 97.42PER CENT.
Expt R KFK-1806		573	2.6+1 5.5+1	Graf. MORE DETAILS.
Expt 4 EXFORB0040.016		77	2.6+1 5.5+1	. 14 ENTRIES.
8175 KFK Comp B PH-DAT 15 2 079		2.6+1 5.5+1		Muenzel+ TBL. FROM EXFOR.
¹⁰⁰ Mo(α,n+p) ¹⁰² Tc σ(E)				
8176 KFK Expt J JIN 36 3647		74	2.3+1 4.7+1	Graf+ TBL. CURV. 97.42PER CENT MO100.
Expt R KFK-1806		573	2.3+1 4.7+1	Graf. MORE DETAILS.
Expt 4 EXFORB0040.006		77	2.3+1 4.7+1	. 15 ENTRIES.
8177 KFK Comp B PH-DAT 15 2 079		2.3+1 4.7+1		Muenzel+ TBL. FROM EXFOR.
¹⁰⁰ Mo(α,p) ¹⁰³ Tc σ(E)				
8178 KFK Expt J JIN 36 3647		74	2.4+1	Graf+ TBL. CURV. 97.42%. MAXIMUM SIGMA
Expt R KFK-1806		573	2.4+1	Graf. MORE DETAILS.
Expt 4 EXFORB0040.015		77	2.4+1	. APP. 0.5MB.
8179 KFK Comp B PH-DAT 15 2 079		2.4+1		Muenzel+ TBL. FROM EXFOR.
¹⁰⁰ Mo(α,n) ¹⁰³ Ru σ(E)				
8180 KFK Expt J JIN 36 3647		74	1.1+1 3.0+1	Graf+ TBL. CURV. 97.42PER CENT MO100.
Expt R KFK-1806		573	1.1+1 3.0+1	Graf. MORE DETAILS.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{100}\text{Mo}(\alpha, n)^{103}\text{Ru}$ $\sigma(E)$					
8180	KFK Expt 4	EXFORB0040.003	77	1.1+1 3.0+1	. 10 DATA POINTS.
8181	KFK Comp 8	PH-DAT 15	2	079 1.1+1 3.0+1	Muenzel+ TBL. FROM EXFOR.
$^{96}\text{Ru}(\alpha, \text{inelastic})^{96}\text{Ru}$ partial relative $\sigma(E)$					
8182	LVP Expt J	JP/G 3	1735	77 8.5+0	Maynard+TBL. (2+-0+1)G YLD. REL TO RU102
$^{98}\text{Ru}(\alpha, \text{inelastic})^{98}\text{Ru}$ partial relative $\sigma(E)$					
8183	LVP Expt J	JP/G 3	1735	77 8.5+0	Maynard+TBL. (2+-0+1)G YLD. REL TO RU102
$^{98}\text{Ru}(\alpha, \text{inelastic})^{98}\text{Ru}$ partial raw thick target yield, $\times$ abundance					
8184	SUN Expt J	JRC 50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
$^{100}\text{Ru}(\alpha, \text{inelastic})^{100}\text{Ru}$ partial relative $\sigma(E)$					
8185	LVP Expt J	JP/G 3	1735	77 8.5+0	Maynard+TBL. (2+-0+1)G YLD. REL TO RU102
$^{100}\text{Ru}(\alpha, \text{inelastic})^{100}\text{Ru}$ partial raw thick target yield, $\times$ abundance					
8186	SUN Expt J	JRC 50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
$^{101}\text{Ru}(\alpha, \text{inelastic})^{101}\text{Ru}$ partial raw thick target yield, $\times$ abundance					
8187	SUN Expt J	JRC 50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
$^{102}\text{Ru}(\alpha, \text{inelastic})^{102}\text{Ru}$ partial relative $\sigma(E)$					
8188	LVP Expt J	JP/G 3	1735	77 8.5+0	Maynard+TBL. (2+-0+1)G YLD. REL TO RU102
$^{102}\text{Ru}(\alpha, \text{inelastic})^{102}\text{Ru}$ partial raw thick target yield, $\times$ abundance					
8189	SUN Expt J	JRC 50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
$^{104}\text{Ru}(\alpha, \text{inelastic})^{104}\text{Ru}$ partial relative $\sigma(E)$					
8190	LVP Expt J	JP/G 3	1735	77 8.5+0	Maynard+TBL. (2+-0+1)G YLD. REL TO RU102
$^{104}\text{Ru}(\alpha, \text{inelastic})^{104}\text{Ru}$ partial raw thick target yield, $\times$ abundance					
8191	SUN Expt J	JRC 50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
$^{104}\text{Ru}(\alpha, n)^{105}\text{Pd}$ relative I_γ					
8192	SUL Expt J	IZV 41	1616	77 3.2+1	Grigorev+TBL. 81 GS AT 125DEG. STOCKHOLM
	Expt J	BAS 41	70	78 3.2+1	. TRANSLATION OF IZV 41(8). 1616(1977)
$^{104}\text{Ru}(\alpha, n)^{107}\text{Pd}$ partial product yield					
8193	NBI Expt P	A-IPS-75	78	76 1.1+1 1.8+1	Klamra+ NDG. GAMMA EXCT. FUNCTION.
$^{103}\text{Rh}(\alpha, \text{inelastic})^{103}\text{Rh}$ partial raw thick target yield, $\times$ abundance					
8194	SUN Expt J	JRC 50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
$^{103}\text{Rh}(\alpha, t)^{104}\text{Pd}$ independent relative $\sigma(E)$					
8195	KAZ Expt J	IZV 40	181	76 5.1+1	Burtebaev+ E(T)=0-12MEV. ARB. UN.=1.6
	Expt J	BAS 40	152	76 5.1+1	. TRANSLATION OF IZV 40.181(76).
$^{103}\text{Rh}(\alpha, d)^{105}\text{Pd}$ independent relative $\sigma(E)$					
8196	KAZ Expt J	IZV 40	181	76 5.1+1	Burtebaev+ E(D)=0-16MEV. ARB. UN.=0.9
	Expt J	BAS 40	152	76 5.1+1	. TRANSLATION OF IZV 40.181(76).
$^{103}\text{Rh}(\alpha, p)^{106}\text{Pd}$ independent relative $\sigma(E)$					
8197	KAZ Expt J	IZV 40	181	76 5.1+1	Burtebaev+ E(P)=10-27MEV. ARB. UN.=1.1
	Expt J	BAS 40	152	76 5.1+1	. TRANSLATION OF IZV 40.181(76).
$^{103}\text{Rh}(\alpha, n)^{104}\text{Ag}$ partial $\sigma(E)$					
8198	GRN Expt C	77TOKYO	334	977	NDG Ludziejewski+ NDG. IN-BEAM
$^{103}\text{Rh}(\alpha, n)^{105}\text{Ag}$ relative I_γ					
8199	FUL Expt J	NP/A 315	334	379 1.7+1 3.2+1	Kalshoven+CURV. 39GS. 2MEV STEPS. 55DEG
	Expt J	NP/A 315	334	379 2.7+1	Kalshoven+ TBL. 45 GS. ALSO A2.A4.
8200	KLN Expt J	ZP/A 284	329	78 1.9+1 2.5+1	Hippe+TBL. NORM. TO 1 AT 25MEV. ALSO LEG
$\text{Pd}(\alpha, \text{total})$ $\sigma(E)$					
8201	IJI Revv J	FCY 6	827	75 2.3+1 2.8+1	Nemets+ TBL. FROM APPB 5.115(1974).
	Revv J	SJPN 6	325	76 2.3+1 2.8+1	. TRANSLATION OF FCY 6.(4). 827(1975).
$^{102}\text{Pd}(\alpha, \text{inelastic})^{102}\text{Pd}$ partial relative $\sigma(E)$					
8202	LVP Expt J	JP/G 3	1735	77 8.5+0	Maynard+TBL. (2+-0+1)G YLD. REL TO PD110

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
		$^{102}\text{Pd}(\alpha, \text{inelastic})^{102}\text{Pd}$	partial raw thick target yield, $\times$ abundance		
8203	SUN Expt J JRC	50 307 79	5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
		$^{102}\text{Pd}(\alpha, 2n)^{104}\text{Cd}$	relative I_γ		
8204	GRE Expt J JP/G	4 943 678	3.3+1		Genevey-Rivier+TBL.28 GS.ALSO LEG. COEF
		$^{102}\text{Pd}(\alpha, n)^{105}\text{Cd}$	relative I_γ		
8205	GRE Expt J JP/G	4 943 678	2.4+1		Genevey-Rivier+TBL.28 GS.ALSO LEG. COEF
		$^{102}\text{Pd}(\alpha, \gamma)^{106}\text{Cd}$	relative I_γ		
8206	GRE Expt P LYCEN-7701	25 76	NDG		Daniere+ NDG.
		$^{104}\text{Pd}(\alpha, \text{inelastic})^{104}\text{Pd}$	partial relative $\sigma(E)_\gamma$		
8207	LVP Expt J JP/G	3 1735 77	8.5+0		Maynard+TBL. (2+-0+)G YLD. REL TO PD110
		$^{104}\text{Pd}(\alpha, \text{inelastic})^{104}\text{Pd}$	partial raw thick target yield, $\times$ abundance		
8208	SUN Expt J JRC	50 307 79	5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
		$^{104}\text{Pd}(\alpha, 3n)^{108}\text{Cd}$	relative I_γ		
8209	GRE Expt J JP/G	4 943 678	3.7+1 4.8+1		Genevey-Rivier+ CURV. 5 STRONG GS.
		$^{104}\text{Pd}(\alpha, 2n)^{106}\text{Cd}$	partial relative $\sigma(E)$		
8210	GRE Expt J ZP/A 280	363 77	3.1+1		Daniere+ TBL. 78 G'S. 80PERCENT PD104.
	Expt J ZP/A 280	363 77	3.1+1		Daniere+ NDG. MAXIMUM GAMMA YIELD.
		$^{104}\text{Pd}(\alpha, xn)$	isotopic distribution $\sigma(E)$		
8211	INU Exth J PR/C	16 1437 077	8.1+1		Castaneda+ CURV. X=1-4. GDHM.
		$^{104}\text{Pd}(\alpha, xn+p)$	isotopic distribution $\sigma(E)$		
8212	INU Exth J PR/C	16 1437 077	8.1+1		Castaneda+ CURV. X=0-4. GDHM CALC.
		$^{105}\text{Pd}(\alpha, \text{inelastic})^{105}\text{Pd}$	partial raw thick target yield, $\times$ abundance		
8213	SUN Expt J JRC	50 307 79	5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
		$^{106}\text{Pd}(\alpha, 3n)^{107}\text{Cd}$	partial relative $\sigma(E)$		
8214	TOK Expt J NP/A 325	408 879	3.5+1 4.4+1		Ohya+ NDG. GE(L1).
	Expt J NP/A 325	408 879	4.0+1		Ohya+ TBL. 27 GS.
		$^{106}\text{Pd}(\alpha, xn)$	isotopic distribution $\sigma(E)$		
8215	INU Exth J PR/C	16 1437 077	8.1+1		Castaneda+ CURV. X=1-4. GDHM.
		$^{106}\text{Pd}(\alpha, xn+p)$	isotopic distribution $\sigma(E)$		
8216	INU Exth J PR/C	16 1437 077	8.1+1		Castaneda+ CURV. X=0-4. GDHM CALC.
		$^{108}\text{Pd}(\alpha, \text{inelastic})^{108}\text{Pd}$	partial relative $\sigma(E)_\gamma$		
8217	LVP Expt J JP/G	3 1735 77	8.5+0		Maynard+TBL. (2+-0+)G YLD. REL TO PD110
		$^{108}\text{Pd}(\alpha, \text{inelastic})^{108}\text{Pd}$	partial raw thick target yield, $\times$ abundance		
8218	SUN Expt J JRC	50 307 79	5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
		$^{108}\text{Pd}(\alpha, 4n)^{108}\text{Cd}$	I_γ		
8219	GRE Exth T LYCEN-7754	477 3.7+1 4.6+1			Daniere. NDG.
		$^{108}\text{Pd}(\alpha, 3n)^{108}\text{Cd}$	relative I_γ		
8220	GRE Expt J PR/C	12 1858 075	3.7+1 4.6+1		Meyer+ CURV. 6 GAMMAS.
	Expt J PR/C	12 1858 075	4.2+1		Meyer+ TBL. 44 GAMMAS.
		$^{108}\text{Pd}(\alpha, 3n)^{108}\text{Cd}$	partial relative $\sigma(E)$		
8221	TOK Expt J NP/A 325	408 879	3.5+1 4.4+1		Ohya+ NDG. GE(L1).
	Expt J NP/A 325	408 879	4.0+1		Ohya+ TBL. 26 GS.
		$^{108}\text{Pd}(\alpha, 2n)^{110}\text{Cd}$	relative I_γ		
8222	GRE Exth T LYCEN-7754	477 3.7+1 4.6+1			Daniere. NDG.
		$^{108}\text{Pd}(\alpha, n)^{111}\text{Cd}$	relative I_γ		
8223	GRE Exth T LYCEN-7754	477 3.7+1 4.6+1			Daniere. NDG.
		$^{110}\text{Pd}(\alpha, \text{inelastic})^{110}\text{Pd}$	partial relative $\sigma(E)_\gamma$		
8224	LVP Expt J JP/G	3 1735 77	8.5+0		Maynard+TBL. (2+-0+)G YLD. REL TO PD110

REFERENCES(cont.)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{110}\text{Pd}(\alpha, \text{inelastic})^{110}\text{Pd}$ partial raw thick target yield, abundance					
8225	SUN Expt J JRC	50 307 79	5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
$^{110}\text{Pd}(\alpha, 3n)^{111}\text{Cd}$ partial relative $\sigma(E)$					
8226	TOK Expt J NP/A	325 408 879	3.5+1	4.4+1	Ohya+ NDG. GE(L)).
	Expt J NP/A	325 408 879	3.5+1		Ohya+ TBL. 34 GS. ALSO A2, A4, ALPHA(K).
$\text{Ag}(\alpha, \text{total}) \sigma(E)$					
8227	IJI Revw J FCY	6 827 75	2.3+1	4.0+1	Nemets+ TBL.
	Revw J SJPN	6 325 76	2.3+1	4.0+1	TRANSLATION OF FCY 6, (4), 827(1975).
$\text{Ag}(\alpha, \text{total})$ partial $\sigma(E)$					
8228	TAM Exth J ZP/A	281 255 77	8.0+1		Blok+ CURV. SUM OF FISSIONING NUCLEI.
$\text{Ag}(\alpha, x)^3\text{H}$ thick target yield					
8229	BRK Expt J PR	120 1354 60	4.8+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107 1311 57	4.8+1		SOME EXPERIMENTAL DETAILS.
	Expt J EXFORB0080.029	078 4.8+1			(9.62+-10PERCENT)MB.
8230	KFK Comp B PH-DAT	15 2 079 4.8+1			Muenzel+ TBL. FROM EXFOR.
$\text{Ag}(\alpha, x)^3\text{H}$ product yield					
8231	BRK Expt J PR	120 1354 60	4.8+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107 1311 57	4.8+1		SOME EXPERIMENTAL DETAILS.
	Expt J EXFORB0080.029	078 4.8+1			(1.92E-5+-10PERCENT)/INCIDENT A.
8232	KFK Comp B PH-DAT	15 2 079 4.8+1			Muenzel+ TBL. FROM EXFOR.
$\text{Ag}(\alpha, x)^{109}\text{Cd}$ cumulative $\sigma(E)$					
8233	LVN Expt R CSIR-FIS-91	76 1.8+1 9.9+1			Haasbroek+ CURV. STACKED FOILS.
	Expt W TO KACHAPAG	79 1.8+1 9.9+1			Haasbroek. NUMERICAL DATA.
	Expt J EXFORB0097.004	779 1.8+1 9.9+1			24 DATA POINTS.
$\text{Ag}(\alpha, x)^{109}\text{Cd}$ cumulative thick target yield					
8234	LVN Expt R CSIR-FIS-91	76 1.8+1 9.9+1			Haasbroek+ CURV. STACKED FOILS.
	Expt J EXFORB0097.004	779 1.8+1 9.9+1			24 DATA POINTS.
$\text{Ag}(\alpha, x)^{109}\text{In}$ thick target yield					
8235	UJV Comp R UJF-4199-B	277 1.7+1 3.0+1			Bem+ TBL.
$\text{Ag}(\alpha, x)^{110}\text{In}$ thick target yield					
8236	UJV Comp R UJF-4199-B	277 1.3+1 3.0+1			Bem+ TBL.
$\text{Ag}(\alpha, x)^{111}\text{In}$ thick target yield					
8237	UJV Comp R UJF-4199-B	277 1.6+1 3.0+1			Bem+ TBL.
$\text{Ag}(\alpha, x)^{111}\text{In}$ including metastable $\sigma(E)$					
8238	LVN Expt R CSIR-FIS-91	76 1.2+1 9.4+1			Haasbroek+ CURV. STACKED FOILS.
	Expt W TO KACHAPAG	79 1.2+1 9.4+1			Haasbroek. NUMERICAL DATA.
	Expt J EXFORB0097.005	779 1.2+1 9.4+1			24 DATA POINTS.
$\text{Ag}(\alpha, x)^{111}\text{In}$ including metastable thick target yield					
8239	LVN Expt R CSIR-FIS-91	76 1.2+1 9.4+1			Haasbroek+ CURV. STACKED FOILS.
	Expt J EXFORB0097.005	779 1.2+1 9.4+1			24 DATA POINTS.
$\text{Ag}(\alpha, \text{fission})$ mass distribution product yield					
8240	SFU Expt A DA/B	37 6119 677	8.0+1		Blok. NDG. MICA TRACK DETECTORS.
$\text{Ag}(\alpha, x)$ isotopic distribution $\sigma(E)$					
8241	TAM Exth J ZP/A	281 255 77	8.0+1		Blok+ TBL. YLD EACH NUCLEUS IN DEEX CH
$^{107}\text{Ag}(\alpha, \text{inelastic})^{107}\text{Ag}$ partial raw thick target yield, abundance					
8242	SUN Expt J JRC	50 307 79	5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
$^{107}\text{Ag}(\alpha, p)^{110}\text{Cd} \sigma(E)$					
8243	PUR Expt J PR/C	15 1308 477	2.0+1		Lux+(30.3+-4.0)MB. INTAD. 3.0-11.0 IN CM
$^{107}\text{Ag}(\alpha, 2n)^{109}\text{In}$ partial relative $\sigma(E)$					
8244	FUL Expt J NP/A	327 12 979	2.2+1	3.0+1	Van Poelgeest+ CURV. MOST INTENSE GAMMA
$^{107}\text{Ag}(\alpha, n)^{110}\text{In}$ partial target yield					
8245	SUB Expt A DA/B	38 249 777	NDG		Eiberl+ NDG.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
¹⁰⁷ Ag(α,inelastic) ¹¹¹ In	σ(E)			
8246 PUR Expt J PR/C 15	1308 477 2.0+1			Lux+(7.3+-1.1)MB. INTAD. 8.0-15.5 IN CM
¹⁰⁹ Ag(α,inelastic) ¹⁰⁹ Ag	partial raw thick target yield, abundance			
8247 SUN Expt J JRC 50	307 79 5.0+0			Giles+ TBL. SURVEY OF PROMPT GS.
¹⁰⁹ Ag(α,2n) ¹¹¹ In	thick target yield*abundance			
8248 AML Revu J IRE 26	2281 479 3.0+1			Chaudri. TBL. CFD EXP. TO CALC.
Cd(α,x)γ	thick target yield			
8249 CCP Expt R YK- 21	73 76 4.6+1			Matusevich+ CURV. TBL. THETA = 0 DEG.
Expt R INDC(CCP)-103	577 4.6+1			.TRANSLATION OF T. OF C.(YK 21,73(1976)
Cd(α,x) ³ H	thick target yield			
8250 BRK Expt J PR 120	1354 60 4.8+1			Gonzalez-Vidal+ TBL. FROM STACKED FOILS
Expt J PR 107	1311 57 4.8+1			. SOME EXPERIMENTAL DETAILS.
Expt 4 EXFORB0080.030	D78 4.8+1			. (5.31+-10PERCENT)MB.
8251 KFK Comp B PH-DAT 15	2 D79 4.8+1			Muenzel+ TBL. FROM EXFOR.
Cd(α,x) ³ H	product yield			
8252 BRK Expt J PR 120	1354 60 4.8+1			Gonzalez-Vidal+ TBL. FROM STACKED FOILS
Expt J PR 107	1311 57 4.8+1			. SOME EXPERIMENTAL DETAILS.
Expt 4 EXFORB0080.030	D78 4.8+1			. (0.99E-5+-10PERCENT)T/INCIDENT A.
8253 KFK Comp B PH-DAT 15	2 D79 4.8+1			Muenzel+ TBL. FROM EXFOR.
Cd(α,x) ¹¹³ Sn	Including metastable? thick target yield			
8254 FEI Expt J AE 39	135 75 1.6+1 4.4+1			Dmitriev+ CURV. AREA ANALYSIS.
Expt J SJA 39	734 75 1.6+1 4.4+1			. TRANSLATION OF AE 39. 135(1975)
Expt 4 EXFORA0004.005	478 1.6+1 4.4+1			. 6 DATA POINTS.
Cd(α,x) ^{117m} Sn	thick target yield			
8255 FEI Expt J AE 39	135 75 1.6+1 4.2+1			Dmitriev+ CURV. AREA ANALYSIS.
Expt J SJA 39	734 75 1.6+1 4.2+1			. TRANSLATION OF AE 39. 135(1975)
Expt 4 EXFORA0004.006	478 1.6+1 4.2+1			. 6 DATA POINTS.
¹⁰² Cd(α,γ) ¹⁰⁶ Sn	σ(E)			
8256 GOE Expt J ZP/A 291	377 79 1.8+1			Kantus+ TBL. REV. OF MAX SIG. CFD. CALC
¹⁰⁸ Cd(α,inelastic) ¹⁰⁸ Cd	partial relative σ(E) _γ			
8257 LVP Expt J JP/G 3	1735 77 8.5+0			Maynard+TBL. (2+-0+1)G YLD. REL TO CD114
¹⁰⁶ Cd(α,2n) ¹⁰⁸ Sn	partial raw σ(E)			
8258 MAN Expt J JP/G 3	1099 877 2.1+1 3.8+1			Varley+ NDG.
Expt J JP/G 3	1099 877 2.1+1 3.8+1			Varley+ CURV. 396.3-KEV GAMMA
¹⁰⁸ Cd(α,x)isotopic distribution	σ(E)			
8259 MRY Expt A BAP 23	539 478 8.0+1 1.2+2			Gallagher+NDG IN-BEAM G-SPECT.+RADIODEC
¹⁰⁸ Cd(α,2n+α) ¹⁰⁶ Cd	relative σ(E)			
8260 TOK Expt P A-INS-78	57 79 5.0+1			Hashimoto+ TBL. PARTICLE-GAMMA COIN.
¹⁰⁸ Cd(α,n+α) ¹⁰⁷ Cd	relative σ(E)			
8261 TOK Expt P A-INS-78	57 79 5.0+1			Hashimoto+ TBL. PARTICLE-GAMMA COIN.
¹⁰⁸ Cd(α,inelastic) ¹⁰⁸ Cd	partial relative σ(E) _γ			
8262 LVP Expt J JP/G 3	1735 77 8.5+0			Maynard+TBL. (2+-0+1)G YLD. REL TO CD114
¹⁰⁸ Cd(α,inelastic) ¹⁰⁸ Cd	partial relative σ(E)			
8263 TOK Expt P A-INS-78	57 79 5.0+1			Hashimoto+ TBL. PARTICLE-GAMMA COIN.
¹⁰⁸ Cd(α,n+2p) ¹⁰⁹ Cd	partial relative σ(E)			
8264 TOK Expt P A-INS-78	57 79 5.0+1			Hashimoto+ TBL. PARTICLE-GAMMA COIN.
¹⁰⁸ Cd(α,2n+p) ¹⁰⁹ In	partial relative σ(E)			
8265 TOK Expt P A-INS-78	57 79 5.0+1			Hashimoto+ TBL. PARTICLE-GAMMA COIN.
¹⁰⁸ Cd(α,3n) ¹⁰⁹ Sn	partial relative σ(E)			
8266 TOK Expt P A-INS-78	57 79 5.0+1			Hashimoto+ TBL. PARTICLE-GAMMA COIN.
¹⁰⁸ Cd(α,xn)isotopic distribution	relative I _γ			
8267 TOK Expt J NP/A 318	145 479 3.0+1 6.7+1			Hashimoto+ NDG. G-RAY EXC. FUNC. X=3.5.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		¹⁰⁸ Cd(α,xn)isotopic distribution			relative I _y
8267	TOK Expt J NP/A	318	145	479 4.4+1	Hashimoto+ TBL. 20 GS. ALSO A2/A4.
		¹¹⁰ Cd(α,inelastic) ¹¹⁰ Cd			partial relative σ(E) _y
8268	LVP Expt J JP/G	3	1735	77 8.5+0	Maynard+TBL. (2+-0+)G YLD. REL TO CD114
		¹¹⁰ Cd(α,inelastic) ¹¹⁰ Cd			partial raw thick target yield, abundance
8269	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
		¹¹⁰ Cd(α,2n) ¹¹² Sn			relative I _y
8270	FUL Expt J NP/A	318	335	479 1.7+1 3.3+1	Bron+ NDG. GAMMA EXC. FUNC. GE(L1).
		¹¹⁰ Cd(α,xn)isotopic distribution			relative I _y
8271	TOK Expt J NP/A	318	145	479 3.0+1 6.7+1	Hashimoto+ NDG. G-RAY EXC. FUNC. X=3,5.
	Expt J NP/A	318	145	479 4.0+1	Hashimoto+ TBL. 24 GS. ALSO A2/A4.
		¹¹¹ Cd(α,inelastic) ¹¹¹ Cd			partial raw thick target yield, abundance
8272	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
		¹¹² Cd(α,inelastic) ¹¹² Cd			partial relative σ(E) _y
8273	LVP Expt J JP/G	3	1735	77 8.5+0	Maynard+TBL. (2+-0+)G YLD. REL TO CD114
		¹¹² Cd(α,inelastic) ¹¹² Cd			partial raw thick target yield, abundance
8274	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
		¹¹² Cd(α,2n) ¹¹⁴ Sn			relative I _y
8275	FUL Expt J NP/A	318	335	479 1.7+1 3.3+1	Bron+ NDG. GAMMA EXC. FUNC. GE(L1).
		¹¹² Cd(α,xn)isotopic distribution			relative I _y
8276	TOK Expt J NP/A	318	145	479 3.0+1 6.7+1	Hashimoto+ NDG. G-RAY EXC. FUNC. X=3,5.
	Expt J NP/A	318	145	479 4.0+1	Hashimoto+ TBL. 29 GS. ALSO A2/A4.
		¹¹³ Cd(α,inelastic) ¹¹³ Cd			partial raw thick target yield, abundance
8277	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
		¹¹⁴ Cd(α,inelastic) ¹¹⁴ Cd			partial relative σ(E) _y
8278	LVP Expt J JP/G	3	1735	77 8.5+0	Maynard+TBL. (2+-0+)G YLD. REL TO CD114
		¹¹⁴ Cd(α,inelastic) ¹¹⁴ Cd			partial raw thick target yield, abundance
8279	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
		¹¹⁴ Cd(α,2n) ¹¹⁶ Sn			relative I _y
8280	FUL Expt J NP/A	318	335	479 1.7+1 3.3+1	Bron+ CURV. 9 GAMMAS. GE(L1).
		¹¹⁴ Cd(α,xn)isotopic distribution			relative I _y
8281	TOK Expt J NP/A	318	145	479 3.0+1 6.7+1	Hashimoto+ NDG. G-RAY EXC. FUNC. X=3,5.
		¹¹⁶ Cd(α,2n) ¹¹⁸ Sn			relative I _y
8282	FUL Expt J NP/A	318	335	479 1.7+1 3.3+1	Bron+ NDG. GAMMA EXC. FUNC. GE(L1).
		¹¹⁸ Cd(α,x)isotopic distribution			σ(E)
8283	MRY Expt A BAP	23	539	478 8.0+1 1.2+2	Gallagher+NDG IN-BEAM G-SPECT.+RADIODEC
		¹¹⁸ Cd(α,xn)isotopic distribution			relative I _y
8284	TOK Expt J NP/A	318	145	479 3.0+1 6.7+1	Hashimoto+ NDG. G-RAY EXC. FUNC. X=3,5.
	Expt J NP/A	318	145	479 3.5+1 6.4+1	Hashimoto+ TBL. 28 GS. ALSO A2/A4.
		In(α,scattering)			partial spectrum average σ(E)
8285	MUW Expt W ANNUAL RPT	97	74	2.3+1 2.7+1	Eberhard+ CURV. INTAD(140-180).
		In(α,total)			σ(E)
8286	IJI Revw J FCY	6	827	75 2.3+1 2.8+1	Nemels+ TBL. FROM APPB 5.115(1974).
	Revw J SJPN	6	325	76 2.3+1 2.8+1	. TRANSLATION OF FCY 6.(4).827(1975).
		In(α,x) _y			raw thick target yield
8287	SUN Expt J JRC	50	307	79 5.0+0	Giles+ NO PROMPT GS.
		In(α,x) ³ H			thick target yield
8288	BRK Expt J PR	120	1354	60 4.8+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107	1311	57 4.8+1	. SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.031	D78	11.0+1		. (8.40+-10PERCENT)HB.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
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In(α ,x) ³ H thick target yield						
8289	KFK	Comp B PH-DAT	15 2 079	4.8+1		Muenzel+ TBL. FROM EXFOR.
In(α ,x) ³ H product yield						
8290	BRK	Expt J PR	120 1354	60 4.8+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
		Expt J PR	107 1311	57 4.8+1		. SOME EXPERIMENTAL DETAILS.
		Expt 4 EXFORB0080.031	078	4.8+1		. (1.65E-5+-10PERCENT)/INCIDENT A.
8291	KFK	Comp B PH-DAT	15 2 079	4.8+1		Muenzel+ TBL. FROM EXFOR.
In(α ,n+p) ¹¹⁷ Sn thick target yield*abundance						
8292	FEI	Expt J AE	39 135	75 1.5+1	4.3+1	Dmitriev+ CURV. AREA ANALYSIS.
		Expt J SJA	39 734	75 1.5+1	4.3+1	. TRANSLATION OF AE 39, 135(1975)
		Expt 4 EXFORA0004.004	478	1.5+1	4.3+1	. 6 DATA POINTS.
In(α ,fission)mass distribution product yield						
8293	SFU	Expt A DA/B	37 6119	677	1.7+2	Blak. NDG. MICA TRACK DETECTORS.
¹¹³ In(α ,2n) ¹¹⁵ Sb relative I _y						
8294	FUL	Expt J NP/A	279 365	477 2.0+1	3.0+1	Bron+ NDG. 2MEV STEPS. 1MEV UNCER.
		Expt J NP/A	279 365	477 2.7+1		Bron+ TBL.
¹¹⁵ In(α ,3n) ^{116m} /9Sb ratio $\sigma(E)$						
8295	MAN	Expt J JP/G	5 1741	079 1.7+1	3.8+1	Grant+ TBL. ACTIVATION.
¹¹⁵ In(α ,n) ^{116m} /9Sb ratio $\sigma(E)$						
8296	MAN	Expt J JP/G	5 1741	079 1.7+1	2.1+1	Grant+ TBL. ACTIVATION.
¹¹⁵ In(α , γ) ¹¹⁹ Sb $\sigma(E)$						
8297	GOE	Expt J ZP/A	291 377	79 1.8+1		Kantus+ TBL. REV. OF MAX SIG. CFD. CALC
Sn(α ,total) $\sigma(E)$						
8298	IJI	Rev J FCY	6 827	75 2.3+1	4.0+1	Nemetis+ TBL.
		Rev J SJPN	6 325	76 2.3+1	4.0+1	. TRANSLATION OF FCY 6, (4), 827(1975).
Sn(α,x)γ $\sigma(E)$ thick target yield						
8299	SUN	Expt J JRC	50 307	79 5.0+0		Giles+ NO PROMPT GS.
Sn(α ,x) ³ H thick target yield						
8300	BRK	Expt J PR	120 1354	60 4.8+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
		Expt J PR	107 1311	57 4.8+1		. SOME EXPERIMENTAL DETAILS.
		Expt 4 EXFORB0080.032	078	4.8+1		. (7.51+-10PERCENT)MB.
8301	KFK	Comp B PH-DAT	15 2 079	4.8+1		Muenzel+ TBL. FROM EXFOR.
Sn(α ,x) ³ H product yield						
8302	BRK	Expt J PR	120 1354	60 4.8+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
		Expt J PR	107 1311	57 4.8+1		. SOME EXPERIMENTAL DETAILS.
		Expt 4 EXFORB0080.032	078	4.8+1		. (1.35E-5+-10PERCENT)/INCIDENT A.
8303	KFK	Comp B PH-DAT	15 2 079	4.8+1		Muenzel+ TBL. FROM EXFOR.
Sn(α ,x) ¹²³ Te thick target yield						
8304	FEI	Expt J AE	42 148	277 4.4+1		Dmitriev+ (1.0+-0.2)MUCI/MUAH.
		Expt J SJA	42 168	77 4.4+1		.TRANSLATION OF AE 42(2), 148(1977)
¹¹² Sn(α , γ) ¹¹⁶ Te $\sigma(E)$						
8305	GOE	Expt J ZP/A	291 377	79 1.6+1		Kantus+ TBL. REV. OF MAX SIG. CFD. CALC
¹¹⁴ Sn(α ,n) ¹¹⁷ Te product yield						
8306	STB	Expt A BAP	22 594	477 1.8+1		Gai+ NDG.
¹¹⁵ Sn(α ,2n) ¹¹⁷ Te partial relative $\sigma(E)$						
8307	ROS	Expt J NP/A	329 157	079 2.2+1	2.7+1	Hagemann+ CURV. GE(LI). 5 GS.
		Expt J NP/A	329 157	079 2.7+1		Hagemann+ TBL. 25 GS. ALSO A2,A4,ALPHA
¹¹⁸ Sn(α ,n) ¹¹⁹ Te product yield						
8308	STB	Expt A BAP	22 594	477 1.8+1		Gai+ NDG.
¹¹⁷ Sn(α ,2n) ¹¹⁹ Te partial relative $\sigma(E)$						
8309	ROS	Expt J NP/A	329 157	079 2.0+1	2.7+1	Hagemann+ CURV. GE(LI). 18 GS.
		Expt J NP/A	329 157	079 2.7+1		Hagemann+ TBL. 41 GS. ALSO A2,A4,ALPHA

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{117}\text{Sn}(\alpha, n)^{120}\text{Te}$ partial product yield			
8310	STB Expt A BAP	24 649 479	1.8+1		Chowdhury+ NDG. GAMMA EXCITATION.
		$^{118}\text{Sn}(\alpha, n+p)^{120m}\text{Sb}$ ratio $\sigma(E)$			
3311	MAN Expt J JP/G	5 1741 079	2.8+1	3.8+1	Grant+ TBL ACTIVATION.
		$^{118}\text{Sn}(\alpha, 3n)^{119m}\text{Te}$ summation $\sigma(E)$			
8312	MAN Expt J JP/G	5 1741 079	3.0+1	4.6+1	Grant+ CURV. FROM ISOMER RATIOS.
		$^{118}\text{Sn}(\alpha, 3n)^{119m}\text{Te}$ ratio $\sigma(E)$			
8313	MAN Expt J JP/G	5 1741 079	2.8+1	3.6+1	Grant+ TBL. ACTIVATION.
		$^{119}\text{Sn}(\alpha, 2n)^{121}\text{Te}$ partial relative $\sigma(E)$			
8314	ROS Expt J NP/A	329 157 079	2.0+1	2.7+1	Hagemann+ CURV. GE(L1). 17 GS.
	Expt J NP/A	329 157 079	2.7+1		Hagemann+ TBL. 43 GS. ALSO A2.A4, ALPHA
		$^{119}\text{Sn}(\alpha, 2n)^{121}\text{Te}$ thick target yield*abundance			
8315	FEI Expt J AE	42 148 277	4.4+1		Dmitriev+ (50+-8)MUCI/MUAH.
	Expt J SJA	42 168 77	4.4+1		.TRANSLATION OF AE 42(2), 148(1977)
	Expt 4 EXFORA0017.004	379 4.4+1			. 1 DATA POINT.
		$^{119}\text{Sn}(\alpha, 2n)^{121}\text{Te}$ thick target yield*abundance			
8316	FEI Expt J AE	42 148 277	4.4+1		Dmitriev+ (4.1+-0.5)MUCI/MUAH.
	Expt J SJA	42 168 77	4.4+1		.TRANSLATION OF AE 42(2), 148(1977)
	Expt 4 EXFORA0017.004	379 4.4+1			. 1 DATA POINT.
		$^{120}\text{Sn}(\alpha, n+p)^{122m}\text{Sb}$ summation $\sigma(E)$			
8317	MAN Expt J JP/G	5 1741 079	2.9+1	3.8+1	Grant+ CURV. FROM ISOMER RATIOS.
		$^{120}\text{Sn}(\alpha, n+p)^{122m}\text{Sb}$ ratio $\sigma(E)$			
8318	MAN Expt J JP/G	5 1741 079	2.9+1	3.8+1	Grant+ TBL. ACTIVATION.
		$^{120}\text{Sn}(\alpha, 3n)^{121m}\text{Te}$ ratio $\sigma(E)$			
8319	MAN Expt J JP/G	5 1741 079	2.9+1	3.8+1	Grant+ TBL. ACTIVATION.
		$^{122}\text{Sn}(\alpha, n+p)^{124m}\text{Sb}$ ratio $\sigma(E)$			
8320	MAN Expt J JP/G	5 1741 079	2.5+1	3.8+1	Grant+ TBL. ACTIVATION.
		$^{124}\text{Sn}(\alpha, n+p)^{126m}\text{Sb}$ summation $\sigma(E)$			
8321	MAN Expt J JP/G	5 1741 079	2.9+1	3.8+1	Grant+ CURV. FROM ISOMER RATIOS.
		$^{124}\text{Sn}(\alpha, n+p)^{126m}\text{Sb}$ ratio $\sigma(E)$			
8322	MAN Expt J JP/G	5 1741 079	2.9+1	3.8+1	Grant+ TBL. ACTIVATION.
		$^{124}\text{Sn}(\alpha, x)n$ thick target yield			
8323	ORL Expt P ORNL-5306	105 677	3.0+0	9.0+0	Bair+ NDG.
		$\text{Sb}(\alpha, \text{inelastic})$ partial thick target yield,			
8324	IND Expt J PS	16 87 77	5.0+0	5.5+0	Kulkarni+ NDG. COUL. EXIC. DEDUCED B(E2)
		$\text{Sb}(\alpha, x)^3\text{H}$ thick target yield			
8325	BRK Expt J PR	120 1354 60	4.8+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107 1311 57	4.8+1		. SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.033	078 4.8+1			. (10.03+-10PERCENT)MB.
8326	KFK Comp B PH-DAT	15 2 079	4.8+1		Muenzel+ TBL. FROM EXFOR.
		$\text{Sb}(\alpha, x)^3\text{H}$ product yield			
8327	BRK Expt J PR	120 1354 60	4.8+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107 1311 57	4.8+1		. SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.033	078 4.8+1			. (1.06E-5+-10PERCENT)T/INCIDENT A.
8328	KFK Comp B PH-DAT	15 2 079	4.8+1		Muenzel+ TBL. FROM EXFOR.
		$\text{Sb}(\alpha, x)^{121}\text{I}$ $\sigma(E)$ =factor			
8329	BNL Expt J ARI	27 675 076	5.0+1	7.5+1	Lambrecht+ TBL. PRODUCTION RATES.
		$\text{Sb}(\alpha, x)^{123}\text{I}$ $\sigma(E)$ =factor			
8330	BNL Expt J ARI	27 675 076	5.0+1	7.5+1	Lambrecht+ TBL. PRODUCTION RATES.
	Expt J ARI	27 675 076	5.0+1	7.5+1	Lambrecht+ TBL. 1124/1123 RATIO.
		$\text{Sb}(\alpha, x)^{123}\text{I}$ thick target yield			
8331	UJV Comp R UJV-4199-B	277 1.4+1	3.2+1		Bem+ TBL.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
						$Sb(\alpha, x)^{124}I$ $\sigma(E) \times \text{factor}$
8332	BNL Expt J ARI	27	675	076	5.0+1	7.5+1 Lambrecht+ TBL. PRODUCTION RATES.
	Expt J ARI	27	675	076	5.0+1	7.5+1 Lambrecht+ TBL. 1124/1123 RATIO.
						$Sb(\alpha, x)^{124}I$ thick target yield
8333	UJV Comp R UJF-4199-B		277	8.0+0	3.2+1	Ben+ TBL.
						$^{121}Sb(\alpha, 2n)^{123}I$ thick target yield=abundance
8334	AML Revv J IRE	26	2281	479	2.5+1	Chaudri. TBL. CFD EXP. TO CALC.
						$^{121}Sb(\alpha, 2n)^{123}I$ thick target yield
8335	AML Revv J IRE	26	2281	479	2.5+1	3.6+1 Chaudri. TBL. CFD EXP. TO CALC.
8336	JUL Revv J JRC	30	53	76	2.5+1	3.2+1 Weinreich+ TBL.
						$^{121}Sb(\alpha, 2n)^{123}I$ relative I_γ
8337	ROS Expt J NP/A	289	292	077	2.0+1	2.7+1 Hagemann+TBL.52 G'S. ALSO ANG. DIS.+ICC.
						$^{121}Sb(\alpha, 2n)^{123}I$ partial $\sigma(E) \times \text{factor}$
8338	ROS Expt P ZFK-350		26	578	3.5+1	Hagemann+ (L17,4N)/(A,2N) SEVERAL BANDS
						$^{123}Sb(\alpha, 4n)^{123}I$ product yield
8339	IPS Expt P A-IPS-75	90	76	TR	6.0+1	Atterling+ NDG. 40MEV ABOUT OPTIMUM.
						$^{123}Sb(\alpha, 2n)^{125}I$ relative I_γ
8340	ROS Expt J NP/A	289	292	077	2.0+1	2.7+1 Hagemann+CURV.11 G'S. REL TO 704.3 KEV.
	Expt J NP/A	289	292	077	2.2+1	2.7+1 Hagemann+TBL.47 G'S. ALSO ANG. DIS.+ICC.
						$Te(\alpha, x)^{121}Te$ cumulative? $\sigma(E) \times \text{factor}$
8341	BNL Expt J ARI	27	675	076	7.0+1	8.5+1 Lambrecht+TBL. TE121,(CUM)/1123,CUM RAT
						$Te(\alpha, x)^{123}I$ cumulative $\sigma(E) \times \text{factor}$
8342	BNL Expt J ARI	27	675	076	7.0+1	8.5+1 Lambrecht+TBL. TE121,(CUM)/1123,CUM RAT
	Expt J ARI	27	675	076	7.0+1	8.5+1 Lambrecht+ TBL. 1124-26,31/1123(CUM)
						$Te(\alpha, x)^{124}I$ $\sigma(E) \times \text{factor}$
8343	BNL Expt J ARI	27	675	076	7.0+1	8.5+1 Lambrecht+ TBL. 1124/1123,CUM RATIO.
						$Te(\alpha, x)^{125}I$ cumulative $\sigma(E) \times \text{factor}$
8344	BNL Expt J ARI	27	675	076	7.0+1	8.5+1 Lambrecht+ TBL. 1125/123 RATIO.
						$Te(\alpha, x)^{126}I$ $\sigma(E) \times \text{factor}$
8345	BNL Expt J ARI	27	675	076	7.0+1	8.5+1 Lambrecht+ TBL. 1126/1123,CUM RATIO.
						$Te(\alpha, x)^{131}I$ $\sigma(E) \times \text{factor}$
8346	BNL Expt J ARI	27	675	076	7.0+1	8.5+1 Lambrecht+ TBL. 1131/1123,CUM RATIO.
						$Te(\alpha, x)^{123}Xe$ $\sigma(E) \times \text{factor}$
8347	BNL Expt J ARI	27	675	076	7.0+1	8.5+1 Lambrecht+ TBL. PRODUCTION RATES.
						$Te(\alpha, x)^{125}Xe$ $\sigma(E) \times \text{factor}$
8348	BNL Expt J ARI	27	675	076	7.0+1	8.5+1 Lambrecht+ TBL. PRODUCTION RATES.
						$Te(\alpha, x)^{125}Xe$ $\sigma(E)$
8349	TOK Expt J ARI	28	738	877	1.0+1	4.0+1 Homma+ CURV. ACTIVATION.
						$Te(\alpha, x)^{125}Xe$ thick target yield
8350	TOK Expt J ARI	28	738	877	1.0+1	4.0+1 Homma+ CURV. FROM SIG(E)
						$Te(\alpha, fission)_{\text{mass}}$ distribution product yield
8351	SFU Expt A DA/B	37	6119	677	8.0+1	Blok. NDG. MICA TRACK DETECTORS.
						$^{122}Te(\alpha, x)^{123}I$ cumulative thick target yield=factor
8352	UJV Comp R UJF-4199-B		277	4.0+1	4.0+1	Ben+ TBL. 95.4% TE122.
						$^{122}Te(\alpha, x)^{124}I$ cumulative? thick target yield=factor
8353	UJV Comp R UJF-4199-B		277	4.0+1	4.0+1	Ben+ TBL. 95.4% TE122.
						$^{122}Te(\alpha, x)^{125}I$ cumulative? thick target yield=factor
8354	UJV Comp R UJF-4199-B		277	4.0+1	4.0+1	Ben+ TBL. 95.4% TE122.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{122}\text{Te}(\alpha, x)^{126}\text{I}$ thick target yield $\times$ factor			
8355	UJV Comp R	UJF-4199-B	277	4.0+1	4.0+1 Bem+ TBL. 95.4% TE122.
		$^{122}\text{Te}(\alpha, 3n)^{123}\text{Xe}$ thick target yield			
8356	JUL Revv J	JRC 30	53	76	4.2+1 Weinreich+ TBL. PARENT 1123.
8357	AML Revv J	IRE 26	2281	479	4.6+1 Chaudri. TBL. CFD EXP TO CALC.
		$^{127}\text{I}(\alpha, x)^{121}\text{Te}$ cumulative thick target yield			
8358	KFK Expt R	KFK-2298	37	476	1.0+2 Helus+ ACTIVATION. 5.6 CI/AH
		$^{127}\text{I}(\alpha, x)^{121}\text{I}$ cumulative thick target yield			
8359	KFK Expt R	KFK-2298	37	476	1.0+2 Helus+ ACTIVATION. 1359.4 CI/AH
		$^{127}\text{I}(\alpha, x)^{123}\text{I}$ cumulative? thick target yield			
8360	JUL Revv C	78HARWEL 667	78	NDG	Stocklin+CURV.FUNC. OF A.JUL-CONF-20,1
		$^{127}\text{I}(\alpha, x)^{123}\text{I}$ cumulative thick target yield			
8361	KFK Expt R	KFK-2298	37	476	6.0+1 1.0+2 Helus+ ACTIVATION. TBL.
	Expt R	KFK-2298	37	476	1.0+2 Helus+ ACTIVATION. 684.0 CI/AH
		$^{127}\text{I}(\alpha, x)^{123}\text{I}$ independent thick target yield			
8362	KFK Expt R	KFK-2298	37	476	6.0+1 1.0+2 Helus+ ACTIVATION. TBL.
		$^{127}\text{I}(\alpha, x)^{123}\text{I}$ cumulative? $\sigma(E)$			
8363	JUL Expt A	JLCR 23	209	77	TR 1.7+2 Weinreich+ NDG.
		$^{127}\text{I}(\alpha, x)^{124}\text{I}$ cumulative thick target yield			
8364	KFK Expt R	KFK-2298	37	476	1.0+2 Helus+ ACTIVATION. 34.2 CI/AH
		$^{127}\text{I}(\alpha, x)^{125}\text{I}$ cumulative thick target yield			
8365	KFK Expt R	KFK-2298	37	476	1.0+2 Helus+ ACTIVATION. 12.1 CI/AH
		$^{127}\text{I}(\alpha, x)^{126}\text{I}$ cumulative thick target yield			
8366	KFK Expt R	KFK-2298	37	476	1.0+2 Helus+ ACTIVATION. 24.9 CI/AH
		$^{127}\text{I}(\alpha, \text{scattering})^{127}\text{I}$ partial spectrum average $\sigma(E)$			
8367	MUJ Expt W	ANNUAL RPT 97	74	2.3+1	2.7+1 Eberhard+ CURV. INTAD(140-180).
		$^{127}\text{I}(\alpha, x)^{123}\text{Xe}$ $\sigma(E) \times$ factor			
8368	BNL Expt J	ARI 27	675	076	9.0+1 1.0+2 Lambrecht+ TBL. PRODUCTION RATES.
		$^{127}\text{I}(\alpha, x)^{123}\text{Xe}$ cumulative thick target yield			
8369	KFK Expt R	KFK-2298	37	476	1.0+2 Helus+ ACTIVATION. 541.6 CI/AH
		$^{127}\text{I}(\alpha, 7n+p)^{123}\text{Xe}$ $\sigma(E)$			
8370	JUL Revv C	78HARWEL 667	78	8.9+1	1.1+2 Stocklin+ CURV. 2 REF.
		$^{127}\text{I}(\alpha, x)^{125}\text{Xe}$ cumulative $\sigma(E) \times$ factor			
8371	BNL Expt J	ARI 27	675	076	7.6+1 1.0+2 Lambrecht+ TBL. PRODUCTION RATES.
		$^{127}\text{I}(\alpha, x)^{125}\text{Xe}$ cumulative thick target yield			
8372	KFK Expt R	KFK-2298	37	476	1.0+2 Helus+ ACTIVATION. 1022.9 CI/AH
		$^{127}\text{I}(\alpha, x)^{127}\text{Xe}$ cumulative thick target yield			
8373	KFK Expt R	KFK-2298	37	476	1.0+2 Helus+ ACTIVATION. 22.0 CI/AH
		$^{127}\text{I}(\alpha, 8n)^{123}\text{Cs}$ $\sigma(E)$			
8374	JUL Revv C	78HARWEL 667	78	8.8+1	1.1+2 Stocklin+ CURV. 2 REF.
		$^{127}\text{I}(\alpha, 4n)^{127}\text{Cs}$ thick target yield			
8375	FEI Expt J	AE 44	524	678	3.9+1 4.4+1 Dmitriyev+ TBL. CURV. DLYD GS+X-RAYS.
	Expt J	SJA 44	609	078	3.9+1 4.4+1 . TRANSLATION OF AE 44(6), 524(1978).
8376	JUL Revv W	PREPRINT	678	1.3+2	Qaim+ 37.8MC1/MICROAH.
		$^{127}\text{I}(\alpha, 4n)^{127}\text{Cs}$ $\sigma(E) \times$ factor			
8377	BNL Expt J	ARI 27	675	076	7.6+1 9.0+1 Lambrecht+ TBL. PRODUCTION RATES.
	Expt J	ARI 27	675	076	7.6+1 9.0+1 Lambrecht+ TBL. CS129/CS127 RATIO.
		$^{127}\text{I}(\alpha, 4n)^{127}\text{Cs}$ $\sigma(E)$			
8378	JUL Revv W	PREPRINT	678	TR	1.4+2 Qaim+ CURV.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{127}\text{I}(\alpha, n)^{127}\text{Cs}$ cumulative thick target yield			
8379	KFK Expt R KFK-2298	37	476	1.0+2	Helus+ ACTIVATION. 1812.9 CI/AH
		$^{127}\text{I}(\alpha, x)^{128}\text{Cs}$ thick target yield			
8380	FEI Expt J AE	44	524	678 2.0+1	Dmitriev+ TBL. CURV. DLYD GS+X-RAYS.
	Expt J SJA	44	609	678 2.0+1 4.4+1	. TRANSLATION OF AE 44(6), 524(1978)
		$^{127}\text{I}(\alpha, 2n)^{129}\text{Cs}$ thick target yield			
8381	AML Revv J IRE	26	2281	479 3.0+1 3.6+1	Chaudri. TBL. CFD EXP. TO CALC.
8382	GRN Expt J ARI	27	15	76 4.5+1	Bukshpan+ NDG.
8383	JUL Revv W PREPRINT		678	1.0+2	Qaim+ 4.1MCI/MICROAH.
		$^{127}\text{I}(\alpha, 2n)^{129}\text{Cs}$ partial product yield			
8384	STB Expt A DA/B	39	4948	479 NDG	Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
		$^{127}\text{I}(\alpha, 2n)^{129}\text{Cs}$ $\sigma(E)$ factor			
8385	BNL Expt J ARI	27	675	676 7.6+1 9.0+1	Lambrechti+ TBL. CS129/CS127 RATIO.
		$^{127}\text{I}(\alpha, 2n)^{129}\text{Cs}$ $\sigma(E)$			
8386	JUL Revv W PREPRINT		678	TR 1.4+2	Qaim+ CURV.
		$^{127}\text{I}(\alpha, \gamma)^{131}\text{Cs}$ $\sigma(E)$			
8387	GOE Expt J ZP/A	291	377	79 1.6+1	Kantus+ TBL. REV. OF MAX SIG. CFD. CALC
		$^{136}\text{Xe}(\alpha, \gamma)^{140}\text{Ba}$ $\sigma(E)$			
8388	GOE Expt J ZP/A	291	377	79 2.0+1	Kantus+ TBL. REV. OF MAX SIG. CFD. CALC
		$^{133}\text{Cs}(\alpha, n+p)^{135}\text{Ba}$ thick target yield			
8389	FEI Expt J AE	46	53	179 1.1+1 2.1+1	Dmitriev+ CURV.
	Expt J SJA	46	55	79 1.1+1 2.1+1	. TRANSLATION OF AE 46(1), 53(1979)
		$\text{Ba}(\alpha, x)\gamma$ raw thick target yield			
8390	SUN Expt J JRC	50	307	79 5.0+0	Giles+ NO PROMPT GS. NITRATE TARGET.
		$^{138}\text{Ba}(\alpha, 4n)^{138}\text{Ce}$ relative I_γ			
8391	JUL Expt J NP/A	304	1	778 6.1+1	Muller-Veggian+TBL.20 TRANS. ALSO A2,A4
		$^{138}\text{Ba}(\alpha, 5n)^{137}\text{Ce}$ relative I_γ			
8392	IKO Expt J ZP/A	281	287	77 4.9+1 5.9+1	Ludziejewski+ CURV. TBL. 10 GAMMAS.
8393	JUL Expt J NP/A	304	1	778 7.0+1	Muller-Veggian+TBL.27 TRANS. ALSO A2,A4
		$^{138}\text{Ba}(\alpha, 4n)^{138}\text{Ce}$ relative I_γ			
8394	IKO Expt J ZP/A	281	287	77 4.5+1 5.9+1	Ludziejewski+ CURV. 399.9-KEV GAMMA.
8395	JUL Expt J NP/A	304	1	778 7.0+1	Muller-Veggian+TBL.22 TRANS. ALSO A2,A4
		$^{138}\text{Ba}(\alpha, 3n)^{139}\text{Ce}$ relative I_γ			
8396	IKO Expt J ZP/A	281	287	77 4.5+1 5.9+1	Ludziejewski+ CURV. TBL.11 GAMMAS.
		$^{138}\text{Ba}(\alpha, 2n)^{140}\text{Ce}$ partial relative $\sigma(E)$			
8397	JYV Expt P A-JYV-77	47	77	1.6+1 2.1+1	Kownacki+ CURV. 1596-KEV G REL TO (A,N)
		$^{138}\text{Ba}(\alpha, n)^{141}\text{Ce}$ partial relative $\sigma(E)$			
8398	JYV Expt P A-JYV-77	47	77	1.6+1 2.1+1	Kownacki+ CURV. 6 GS. REL TO 1370-KEV G
		$^{138}\text{La}(\alpha, x)\gamma$ raw thick target yield			
8399	SUN Expt J JRC	50	307	79 5.0+0	Giles+ NO PROMPT GS. OXIDE TARGET.
		$^{138}\text{La}(\alpha, 4n)^{138}\text{Pr}$ partial product yield			
8400	MSU Expt A BAP	24	650	479 NDG	Aryaeinejad+ NDH. IN-BEAM GAMMAS.
		$^{138}\text{La}(\alpha, 2n)^{141}\text{Pr}$ relative I_γ			
8401	OSA Expt J NP/A	282	29	577 2.4+1	Nagai+ TBL.
		$^{138}\text{La}(\alpha, \gamma)^{143}\text{Pr}$ $\sigma(E)$			
8402	GÖE Expt J ZP/A	291	377	79 1.6+1	Kantus+ TBL. REV. OF MAX SIG. CFD. CALC
		$\text{Ce}(\alpha, \text{scattering})$ partial spectrum average $\sigma(E)$			
8403	MUJ Expt W ANNUAL RPT	97	74	2.3+1 2.7+1	Eberhard+ CURV. INTAD(140-180).
		$\text{Ce}(\alpha, x)\gamma$ raw thick target yield			
8404	SUN Expt J JRC	50	307	79 5.0+0	Giles+ NO PROMPT GS. FLUORIDE TARGET.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{140}\text{Ce}(\alpha, x\gamma)$ partial relative $\sigma(E)$					
8405	IPS Expt J ZP/A	281	287	77 2.8+1 4.0+1	Ludziejewski+CURV. 142ND. 141ND. 140CE488G
8406	IKO Expt J ZP/A	281	287	77 4.5+1 5.9+1	Ludziejewski+CURV. 142ND. 141ND. 140CE488G
$^{140}\text{Ce}(\alpha, 5n)^{139}\text{Nd}$ relative I_γ					
8407	IKO Expt J ZP/A	281	287	77 5.2+1 5.9+1	Ludziejewski+ CURV. TBL. 8 GAMMAS.
$^{140}\text{Ce}(\alpha, 4n)^{140}\text{Nd}$ relative I_γ					
8408	IKO Expt J ZP/A	281	287	77 4.5+1 5.9+1	Ludziejewski+ CURV. 474+1017-KEV GAMMA.
$^{140}\text{Ce}(\alpha, 3n)^{141}\text{Nd}$ relative I_γ					
8409	IPS Expt J ZP/A	281	287	77 2.8+1 4.0+1	Ludziejewski+ CURV. TBL. 49 GAMMAS.
8410	IKO Expt J ZP/A	281	287	77 4.5+1 5.9+1	Ludziejewski+ CURV. TBL. 15 GAMMAS.
$^{140}\text{Ce}(\alpha, 2n)^{142}\text{Nd}$ relative I_γ					
8411	IPS Expt J ZP/A	281	287	77 2.8+1 4.0+1	Ludziejewski+ CURV. 1577+1141-KEV GAMMA
8412	IKO Expt J ZP/A	281	287	77 4.5+1 5.9+1	Ludziejewski+ CURV. 1576.6-KEV GAMMA.
$^{142}\text{Ce}(\alpha, 5n)^{141}\text{Nd}$ relative I_γ					
8413	IKO Expt J ZP/A	281	287	77 4.5+1 5.9+1	Ludziejewski+ NDG.
$^{142}\text{Ce}(\alpha, 2n)^{144}\text{Nd}$ relative I_γ					
8414	ROS Expt J IZV	40	1193	76 2.2+1 2.7+1	Berzin+ CURV. 29 G'S. REL. TO .695 G.
	Expt J IZV	40	1193	76 2.7+1	Berzin+ TBL. 59 G'S. REL. TO .695 G.
	Expt J BAS	40	80	76 2.2+1 2.7+1	.TRANSLATION OF IZV 40(6), 1193(1976)
$^{141}\text{Pr}(\alpha, x\gamma)$ raw thick target yield					
8415	SUN Expt J JRC	50	307	79 5.0+0	Giles+ NO PROMPT GS. FLUORIDE TARGET.
$^{141}\text{Pr}(\alpha, 2n)^{143}\text{Pm}$ relative I_γ					
8416	OSA Expt J NP/A	282	29	577 2.4+1	Nagai+ TBL. REL TO 272.1KEV G.
$^{141}\text{Pr}(\alpha, 2n)^{143}\text{Pm}$ partial relative $\sigma(E)$					
8417	ROS Expt J NP/A	333	33	180 2.2+1 2.7+1	Prade+ TBL. 57 GS. ALSO A2,A4.
	Expt J NP/A	333	33	180 2.2+1 2.7+1	Prade+ CURV. 10 GS.
$^{141}\text{Pr}(\alpha, n)^{144}\text{Pm}$ relative I_γ					
8418	OSA Expt J NP/A	282	29	577 2.4+1	Nagai+ TBL. REL TO 272.1KEV G.
$\text{Nd}(\alpha, x\gamma)$ raw thick target yield					
8419	SUN Expt J JRC	50	307	79 5.0+0	Giles+ NO PROMPT GS. FLUORIDE TARGET.
$^{142}\text{Nd}(\alpha, xn)$ isotopic distribution $\sigma(E)$					
8420	INU Exth J PR/C	17	1001	378 5.4+1 9.9+1	Fleissner+ TBL. GDHM. CFD L16 EXP+CALC
$^{146}\text{Nd}(\alpha, n+p)^{148}\text{Pm}$ $\sigma(E)$					
8421	MUN Expt J PR/C	16	160	777 2.9+1 5.9+1	Aumann+ CURV.
	Expt 4 EXFORB0086.004	379	2.9+1 5.9+1		. 17 DATA POINTS.
$^{146}\text{Nd}(\alpha, n+p)^{148}\text{Pm}$ $\sigma(E)$					
8422	MUN Expt J PR/C	16	160	777 2.9+1 5.9+1	Aumann+ CURV.
	Expt 4 EXFORB0086.004	379	2.9+1 5.9+1		. 17 DATA POINTS.
$^{146}\text{Nd}(\alpha, n+p)^{148}\text{Pm}$ ratio $\sigma(E)$					
8423	MUN Expt J PR/C	16	160	777 2.9+1 5.9+1	Aumann+ CURV.
	Expt 4 EXFORB0086.004	379	2.9+1 5.9+1		. 17 DATA POINTS.
$^{146}\text{Nd}(\alpha, 4n)^{146}\text{Sm}$ partial $\sigma(E)$					
8424	MSU Expt C 77TOKYO		376	977 4.0+1 5.0+1	Brown+ NDG.
$^{146}\text{Nd}(\alpha, 3n)^{147}\text{Sm}$ partial relative $\sigma(E)$					
8425	UST Expt J NP/A	321	71	579 2.0+1 3.7+1	Hammar+ CURV. 2 GAMMAS.
	Expt J NP/A	321	71	579 3.3+1	Hammar+ TBL. 49 GAMMAS. ALSO A2,A4,CE
$^{146}\text{Nd}(\alpha, 2n)^{148}\text{Sm}$ partial relative $\sigma(E)$					
8426	UST Expt J NP/A	321	71	579 2.0+1 3.7+1	Hammar+ CURV. 14 GAMMAS.
	Expt J NP/A	321	71	579 2.3+1	Hammar+ TBL. 27 GAMMAS. ALSO A2,A4,CE
$^{146}\text{Nd}(\alpha, xn)$ isotopic distribution $\sigma(E)$					
8427	INU Exth J PR/C	17	1001	378 5.4+1 9.9+1	Fleissner+ TBL. GDHM. CFD L16 EXP+CALC

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
			$^{148}\text{Nd}(\alpha, 3n p)^{148}\text{Pm}$ $\sigma(E)$			
8428	MUN	Expt J PR/C	16	160 777	2.5+1 5.7+1	Aumann+ CURV.
			$^{148}\text{Nd}(\alpha, 3n p)^{148}\text{Pm}$ $\sigma(E)$			
8429	MUN	Expt J PR/C	16	160 777	2.5+1 5.7+1	Aumann+ CURV.
			$^{148}\text{Nd}(\alpha, 3n)^{148}\text{Sm}$ partial relative $\sigma(E)$			
8430	UST	Expt J NP/A	321	71 579	2.2+1 3.7+1	Hammaren+ CURV. 21 GAMMAS.
			$^{150}\text{Nd}(\alpha, \text{absorption})$ partial $\sigma(E)$			
8431	GRN	Expt J NP/A	291	365 N77	4.5+1	Sujkowski+ (1.38+-1.7)B. SUM OF 4(A,XN)
			$^{150}\text{Nd}(\alpha, \text{inelastic})^{150}\text{Nd}$ partial relative $\sigma(E)_y$			
8432	NBI	Exth J NP/A	320	239 579	1.4+1 2.2+1	Rekstad+ CURV. 2 GS. GE(L1).
		Exth J NP/A	320	239 579	1.7+1	Rekstad+ TBL. 3 GS. GE(L1).
			$^{150}\text{Nd}(\alpha, 5n)^{149}\text{Sm}$ relative I_y			
8433	GRN	Expt J NP/A	291	365 N77	4.5+1	Sujkowski+TBL.APP. 58 G'S FOR 4 (A,XNG)
			$^{150}\text{Nd}(\alpha, 5n)^{149}\text{Sm}$ partial $\sigma(E)$			
8434	GRN	Expt J NP/A	291	365 N77	4.5+1	Sujkowski+ TBL. 285.8 AND 664.3 STATES.
			$^{150}\text{Nd}(\alpha, 5n)^{149}\text{Sm}$ $\sigma(E)$			
8435	GRN	Expt J NP/A	291	365 N77	4.5+1	Sujkowski+(160+-15)MB.SUM OF 2 PARTIALS
			$^{150}\text{Nd}(\alpha, 4n)^{150}\text{Sm}$ average v_y			
8436	GRN	Theo J NP/A	315	169 279	4.5+1	Koeling. CURV. STAT. MOD. AS FUNC. OF I
			$^{150}\text{Nd}(\alpha, 4n)^{150}\text{Sm}$ relative I_y			
8437	GRN	Expt J NP/A	291	365 N77	4.5+1	Sujkowski+TBL.APP. 58 G'S FOR 4 (A,XNG)
			$^{150}\text{Nd}(\alpha, 4n)^{150}\text{Sm}$ partial $\sigma(E)$			
8438	GRN	Expt J NP/A	291	365 N77	4.5+1	Sujkowski+ TBL. 333.9 AND 773.5 STATES.
			$^{150}\text{Nd}(\alpha, 4n)^{150}\text{Sm}$ $\sigma(E)$			
8439	GRN	Expt J NP/A	291	365 N77	4.5+1	Sujkowski+(800+-100)MB.SUM OF 2 PARTIAL
			$^{150}\text{Nd}(\alpha, 3n)^{151}\text{Sm}$ relative I_y			
8440	GRN	Expt J NP/A	291	365 N77	4.5+1	Sujkowski+TBL.APP. 58 G'S FOR 4 (A,XNG)
			$^{150}\text{Nd}(\alpha, 3n)^{151}\text{Sm}$ partial $\sigma(E)$			
8441	GRN	Expt J NP/A	291	365 N77	4.5+1	Sujkowski+ TBL. 66.3 AND 295.2 STATES.
			$^{150}\text{Nd}(\alpha, 3n)^{151}\text{Sm}$ $\sigma(E)$			
8442	GRN	Expt J NP/A	291	365 N77	4.5+1	Sujkowski+(370+-70)MB.SUM OF 2 PARTIALS
			$^{150}\text{Nd}(\alpha, 2n)^{152}\text{Sm}$ partial relative $\sigma(E)$			
8443	NBI	Exth J NP/A	320	239 579	1.4+1 2.2+1	Rekstad+ CURV. 3 GS. GE(L1).
		Exth J NP/A	320	239 579	1.7+1	Rekstad+ TBL. 12 GS. GE(L1).
8444	OSA	Expt J JPJ	46	6 179	2.2+1	Kishimoto+ CURV. REL. POP. OF G.S. BAND
			$^{150}\text{Nd}(\alpha, 2n)^{152}\text{Sm}$ relative I_y			
8445	GRN	Expt J NP/A	291	365 N77	4.5+1	Sujkowski+TBL.APP. 58 G'S FOR 4 (A,XNG)
			$^{150}\text{Nd}(\alpha, 2n)^{152}\text{Sm}$ partial $\sigma(E)$			
8446	GRN	Expt J NP/A	291	365 N77	4.5+1	Sujkowski+ (52+-5)MB FOR 121.6KEV STATE
			$^{150}\text{Nd}(\alpha, 2n)^{152}\text{Sm}$ $\sigma(E)$			
8447	GRN	Expt J NP/A	291	365 N77	4.5+1	Sujkowski+ (52+-10)MB.
			$^{150}\text{Nd}(\alpha, n)^{153}\text{Sm}$ partial relative $\sigma(E)$			
8448	NBI	Exth J NP/A	320	239 579	1.4+1 2.2+1	Rekstad+ CURV. 8 GS. 2 BANDS. GE(L1).
		Exth J NP/A	320	239 579	1.7+1	Rekstad+ TBL. 13 GS. GE(L1).
			$^{150}\text{Nd}(\alpha, xn)$ isotopic distribution $\sigma(E)$			
8449	INU	Exth J PR/C	17	1001 378	5.4+1 9.9+1	Fleissner+ TBL. GDHM. CFD L16 EXP+CALC.
		Exth J PR/C	17	1001 378	6.6+1	Fleissner+ CURV. GDHM. CFD L16 EXP+CALC.
			$^{144}\text{Sm}(\alpha, 2n+\alpha)^{142}\text{Sm}$ relative I_y			
8450	JUL	Expt J NP/A	311	395 D78	7.8+1 1.2+2	Mariscotti+ CURV. 2 GS. THETA = 125DEG.

REFERENCES (cont.)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		$^{144}\text{Sm}(\alpha,6n)^{142}\text{Gd}$				relative I_γ
8451	JUL Expt J ZP/A	279 169 76 9.2+1	1.3+2	Mariscotti+	CURV. THREE INTENSE G'S.	
	Expt P JUEL-1974	89 74 9.0+1	1.1+2	Mariscotti+	CURV. THREE GAMMAS.	
		$^{144}\text{Sm}(\alpha,4n)^{144}\text{Gd}$				relative I_γ
8452	RII Expt J NP/A	311 395 078 6.0+1	9.0+1	Mariscotti+	CURV. 12 GS. THETA = 125DEG	
		$^{144}\text{Sm}(\alpha,3n)^{143}\text{Gd}$				relative I_γ
8453	JUL Expt J NP/A	311 395 078 6.0+1	6.7+1	Mariscotti+	CURV. 2 GS. THETA = 125DEG.	
		$^{144}\text{Sm}(\alpha,2n)^{146}\text{Gd}$				relative I_γ
8454	JUL Expt J PRL	41 289 778 2.2+1	2.5+1	Ogawa+	CURV. 7 GS. 2+ ST. AT 1971 KEV	
		$^{144}\text{Sm}(\alpha,n)^{147}\text{Gd}$				relative I_γ
8455	JUL Expt J PRL	41 289 778 2.2+1	2.5+1	Ogawa+	CURV. 997KEV G.	
		$^{147}\text{Sm}(\alpha,2n)^{149}\text{Gd}$				product yield
8456	NOT Expt A DA/B	40 1237 979			Rakel.	NDG.
		$^{148}\text{Sm}(\alpha,6n)^{148}\text{Gd}$				partial product yield
8457	IPS Expt J ZP/A	290 279 79 7.0+1	9.0+1	Kleinheinz+	NDG. GAMMA EXC. FUNCT.	
	Expt J ZP/A	290 279 79 8.2+1		Keinheinz+	TBL. 10 GS. ALSO A2,A4,CONV.	
		$^{148}\text{Sm}(\alpha,5n)^{147}\text{Gd}$				partial product yield
8458	IPS Expt J ZP/A	290 279 79 7.0+1	9.0+1	Kleinheinz+	NDG. GAMMA EXC. FUNCT.	
		$^{148}\text{Sm}(\alpha,4n)^{149}\text{Gd}$				partial product yield
8459	MUW Expt W ANNUAL RPT	61 76 5.1+1			Kleinheinz+	NDG.
		$^{149}\text{Sm}(\alpha,6n)^{147}\text{Gd}$				partial product yield
8460	IPS Expt J ZP/A	290 279 79 7.0+1	9.0+1	Kleinheinz+	NDG. GAMMA EXC. FUNCT.	
	Expt J ZP/A	290 279 79 7.0+1		Keinheinz+	TBL. 12 GS. ALSO A2,A4,CONV.	
		$^{149}\text{Sm}(\alpha,4n)^{149}\text{Gd}$				partial product yield
8461	IPS Expt A BAP	24 827 979 3.9+1	6.0+1	Hjorth+	NDG. HIGH-SPIN.	
	Expt P A-IPS-79	93 79 3.9+1	6.0+1	Carlen+	NDG. ALSO SIG(THETA).	
		$^{149}\text{Sm}(\alpha,2n)^{151}\text{Gd}$				partial relative $\sigma(E)$
8462	MCM Expt J CJP	55 690 477 2.4+1			Smith+	TBL.
		$^{149}\text{Sm}(\alpha,n)^{152}\text{Gd}$				partial relative $\sigma(E)$
8463	MCM Expt J CJP	55 690 477 2.4+1			Smith+	TBL.
		$^{150}\text{Sm}(\alpha,8n)^{146}\text{Gd}$				v_γ
8464	JUL Expt J ZP/A	284 271 78 9.0+1	1.4+2	Ogawa+	CURV. GAMMA MULTIPLICITIES.	
		$^{150}\text{Sm}(\alpha,7n)^{147}\text{Gd}$				v_γ
8465	JUL Expt J ZP/A	284 271 78 7.5+1	1.4+2	Ogawa+	CURV. GAMMA MULTIPLICITIES.	
		$^{150}\text{Sm}(\alpha,6n)^{148}\text{Gd}$				v_γ
8466	JUL Expt J ZP/A	284 271 78 6.5+1	1.4+2	Ogawa+	CURV. GAMMA MULTIPLICITIES.	
		$^{150}\text{Sm}(\alpha,5n)^{149}\text{Gd}$				v_γ
8467	JUL Expt J ZP/A	284 271 78 5.5+1	1.4+2	Ogawa+	CURV. GAMMA MULTIPLICITIES.	
		$^{150}\text{Sm}(\alpha,5n)^{149}\text{Gd}$				partial $\sigma(E)$
8468	IPS Expt A BAP	24 827 979 3.9+1	6.0+1	Hjorth+	NDG. HIGH-SPIN.	
		$^{150}\text{Sm}(\alpha,4n)^{150}\text{Gd}$				relative I_γ
8469	TAM Expt J PR/C	16 120 777 4.5+1	5.0+1	Haenni+	TBL. 59GAMMAS+1'/CONVER. ELECTRONS	
	Expt J PR/C	16 120 777 5.5+1		Haenni+	NDG.	
		$^{150}\text{Sm}(\alpha,4n)^{150}\text{Gd}$				v_γ
8470	JUL Expt J ZP/A	284 271 78 4.0+1	1.4+2	Ogawa+	CURV. GAMMA MULTIPLICITIES.	
		$^{150}\text{Sm}(\alpha,xn+p)$				isotopic distribution $\sigma(E)$
8471	INU Exth J PR/C	17 1001 378 5.4+1	7.7+1	Fleissner+	TBL. GDHM. CFD L16 EXP+CALC	
	Exth J PR/C	17 1001 378 6.6+1		Fleissner+	CURV. GDHM. CFD L16 EXP+CALC	
		$^{154}\text{Sm}(\alpha,4n)^{154}\text{Gd}$				partial relative $\sigma(E)$
8472	MAU Expt J NP/A	188 1 72 4.0+1		Ferguson+	TBL. CURV. 4 LEVELS.	

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author	Comments
$^{151}\text{Eu}(\alpha, \text{Bn})^{147}\text{Tb}$	partial relative $\sigma(E)$				
8473 JUL Expt J ZP/A 293	135	79	9.0+1	1.1+2 Broda+	CURV. 772 G + $^{130}\text{G}(\text{GD-147})$.
Expt J ZP/A 293	135	79	1.1+2	Broda+	TBL. 17 GS. ALSO A2, A4.
$^{151}\text{Eu}(\alpha, \text{7n})^{148}\text{Tb}$	partial relative $\sigma(E)$				
8474 JUL Expt J ZP/A 293	135	79	8.2+1	1.1+2 Broda+	CURV. 284G + 882G(GD-148).
Expt J ZP/A 293	135	79	9.8+1	Broda+	TBL. 15 GS. ALSO A2, A4.
$^{151}\text{Eu}(\alpha, \text{6n})^{148}\text{Tb}$	partial product yield				
8475 MUU Expt W ANNUAL RPT	61	76	7.8+1	Kleinheinz+	NDG.
$^{151}\text{Eu}(\alpha, \text{6n})^{148}\text{Tb}$	partial relative $\sigma(E)$				
8476 JUL Expt J ZP/A 293	135	79	8.2+1	1.1+2 Broda+	CURV. 559 G.
$^{151}\text{Eu}(\alpha, \text{5n})^{150}\text{Tb}$	partial relative $\sigma(E)$				
8477 JUL Expt J ZP/A 293	135	79	8.2+1	1.1+2 Broda+	CURV. 764 G.
$^{151}\text{Eu}(\alpha, \text{4n})^{151}\text{Tb}$	partial relative $\sigma(E)$				
8478 IPS Expt J NP/A 311	11	N78	4.5+1	5.5+1 Kennitz+	CURV. 12 LEVELS. IN-BEAM.
Expt J NP/A 311	11	N78	4.5+1	5.5+1 Kennitz+	TBL. IN-BEAM. 37 GS. ALSO A2, A4
$^{151}\text{Eu}(\alpha, \text{2n})^{153}\text{Tb}$	relative I_γ				
8479 ROS Expt J NP/A 299	285	478	2.3+1	2.7+1 Winter+	CURV. 2ES. 12GS.
$^{153}\text{Eu}(\alpha, \text{4n})^{153}\text{Tb}$	relative I_γ				
8480 ROS Expt J NP/A 299	285	478	4.2+1	5.1+1 Winter+	CURV. 5ES. 6GS.
$^{153}\text{Eu}(\alpha, \text{4n})^{153}\text{Tb}$	I_γ				
8481 TAM Expt J ZP/A 288	79	78	4.5+1	5.5+1 Devous+	NDG. G-RAY EXCIT. FUNCT.
Expt J ZP/A 288	79	78	4.5+1	5.5+1 Devous+	NDG.
$^{152}\text{Gd}(\alpha, \text{6n})^{150}\text{Dy}$	partial product yield				
8482 MUU Expt W ANNUAL RPT	61	76	8.6+1	Kleinheinz+	NDG.
$^{154}\text{Gd}(\alpha, \text{6n}+\alpha)^{148}\text{Gd}$	partial $\sigma(E)$				
8483 GRN Expt J NUK	23	1	78	5.0+1	1.2+2 Chmielewska+ CURV. IN-BEAM G. X-RAY NOR
$^{154}\text{Gd}(\alpha, \text{4n}+\alpha)^{150}\text{Gd}$	partial $\sigma(E)$				
8484 GRN Expt J NUK	23	1	78	6.8+1	1.3+2 Chmielewska+ CURV. IN-BEAM G. X-RAY NOR
$^{154}\text{Gd}(\alpha, \text{2n}+\alpha)^{152}\text{Gd}$	partial $\sigma(E)$				
8485 GRN Expt J NUK	23	1	78	5.0+1	1.3+2 Chmielewska+ CURV. IN-BEAM G. X-RAY NOR
$^{154}\text{Gd}(\alpha, \text{8n})^{150}\text{Dy}$	partial $\sigma(E)$				
8486 GRN Expt J NUK	23	1	78	9.0+1	1.3+2 Chmielewska+ CURV. IN-BEAM G. X-RAY NOR
Expt J IZV	42	2369	78	6.7+1	1.3+2 Chmielewska+ TBL. 1 GS. FROM 125 DEG.
Expt J BAS	42	132	78	6.7+1	1.3+2 . TRANSLATION OF IZV 42(11), 2369.
$^{154}\text{Gd}(\alpha, \text{8n})^{150}\text{Dy}$	$\sigma(E)$				
8487 GRN Expt J IZV	42	2369	78	6.7+1	1.3+2 Chmielewska+ TBL. CURV. CFD ALICE.
Expt J BAS	42	132	78	6.7+1	1.3+2 . TRANSLATION OF IZV 42(11), 2369.
$^{154}\text{Gd}(\alpha, \text{7n})^{151}\text{Dy}$	$\sigma(E)$				
8488 GRN Expt J IZV	42	2369	78	8.0+1	1.3+2 Chmielewska+ CURV. INTERPOLATED.
Expt J BAS	42	132	78	8.0+1	1.3+2 . TRANSLATION OF IZV 42(11), 2369.
$^{154}\text{Gd}(\alpha, \text{6n})^{152}\text{Dy}$	partial $\sigma(E)$				
8489 GRN Expt J NP/A 321	365	679	6.7+1	1.0+2 Jansen+	NDG. SEE NUKLEONIKA 23, 333.
Expt J IZV	42	2369	78	6.7+1	1.3+2 Chmielewska+ CURV. SIDE-BAND FEEDING.
Expt J BAS	42	132	78	6.7+1	1.3+2 . TRANSLATION OF IZV 42(11), 2369.
$^{154}\text{Gd}(\alpha, \text{6n})^{152}\text{Dy}$	partial relative $\sigma(E)$				
8490 GRN Expt J NP/A 321	365	679	8.0+1	Jansen+	CURV. 33 GAMMAS. ALSO A2, A4, CE.
Expt J NUK	23	1	78	6.8+1	1.3+2 Chmielewska+ CURV. SIDE-BAND FEEDING.
Expt S CERN-76-13	415	676	6.7+1	1.0+2 Jansen+	NDG. HIGH-SPIN. G-SPECTROSCOPY
$^{154}\text{Gd}(\alpha, \text{6n})^{152}\text{Dy}$	$\sigma(E)$				
8491 GRN Expt J IZV	42	2369	78	6.7+1	1.3+2 Chmielewska+ TBL. CURV. CFD ALICE.
Expt J BAS	42	132	78	6.7+1	1.3+2 . TRANSLATION OF IZV 42(11), 2369.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{154}\text{Gd}(\alpha,5n)^{153}\text{Dy}$ partial $\sigma(E)$						
8492	GRN Expt J NP/A	321	365	679 6.7+1	1.0+2 Jansen+ NDG.	SEE NUKLEONIKA 23, 333.
	Expt J IZV	42	2369	78 5.6+1	8.4+1 Chmielewska+ TBL.	1 GS. FROM 125 DEG.
	Expt J BAS	42	132	78 5.6+1	8.4+1 .	TRANSLATION OF IZV 42(11), 2369.
$^{154}\text{Gd}(\alpha,5n)^{153}\text{Dy}$ $\sigma(E)$						
8493	GRN Expt J IZV	42	2369	78 5.6+1	8.4+1 Chmielewska+ TBL.	CURV. CFD ALICE.
	Expt J BAS	42	132	78 5.6+1	8.4+1 .	TRANSLATION OF IZV 42(11), 2369.
$^{154}\text{Gd}(\alpha,4n)^{154}\text{Dy}$ partial $\sigma(E)$						
8494	GRN Expt J NUK	23	1	78 5.0+1	1.0+2 Chmielewska+ CURV.	IN-BEAM G. X-RAY NOR
	Expt J IZV	42	2369	78 4.7+1	1.1+2 Chmielewska+ TBL.	1 GS. FROM 125 DEG.
	Expt J BAS	42	132	78 4.7+1	1.1+2 .	TRANSLATION OF IZV 42(11), 2369.
$^{154}\text{Gd}(\alpha,4n)^{154}\text{Dy}$ $\sigma(E)$						
8495	GRN Expt J IZV	42	2369	78 4.7+1	1.1+2 Chmielewska+ TBL.	CURV. CFD ALICE.
	Expt J BAS	42	132	78 4.7+1	1.1+2 .	TRANSLATION OF IZV 42(11), 2369.
$^{154}\text{Gd}(\alpha,3n)^{155}\text{Dy}$ $\sigma(E)$						
8496	GRN Expt J IZV	42	2369	78 4.7+1	1.1+2 Chmielewska+ TBL.	CURV. CFD ALICE.
	Expt J BAS	42	132	78 4.7+1	1.1+2 .	TRANSLATION OF IZV 42(11), 2369.
$^{154}\text{Gd}(\alpha,3n)^{155}\text{Dy}$ partial $\sigma(E)$						
8497	GRN Expt J IZV	42	2369	78 4.7+1	1.1+2 Chmielewska+ TBL.	1 GS. FROM 125 DEG.
	Expt J BAS	42	132	78 4.7+1	1.1+2 .	TRANSLATION OF IZV 42(11), 2369.
$^{155}\text{Gd}(\alpha,6n)^{153}\text{Dy}$ partial $\sigma(E)$						
8498	GRN Expt J NP/A	321	365	679 6.7+1	1.0+2 Jansen+ NDG.	SEE NUKLEONIKA 23, 333.
	Expt S CERN-76-13	415	676	6.7+1	1.0+2 Jansen+ NDG.	HIGH-SPIN. G-SPECTROSCOPY
$^{155}\text{Gd}(\alpha,2n)^{157}\text{Dy}$ thick target yield*abundance						
8499	AML Revv J IRE	26	2281	479 3.0+1	Chaudri.	TBL. CFD EXP. TO CALC.
$^{156}\text{Gd}(\alpha,6n)^{154}\text{Dy}$ partial $\sigma(E)$						
8500	GRN Expt S CERN-76-13	415	676	6.7+1	1.0+2 Jansen+ NDG.	HIGH-SPIN. G-SPECTROSCOPY
$^{156}\text{Gd}(\alpha,4n)^{156}\text{Dy}$ relative I_γ						
8501	IKO Expt J NP/A	290	173	077 4.5+1	De-Boer+ TBL.	90 PROMPT GS+CONV. ES.
$^{157}\text{Gd}(\alpha,3n)^{158}\text{Dy}$ partial relative $\sigma(E)$						
8502	HAU Expt J NP/A	188	1	72 4.0+1	Ferguson+ TBL.	CURV. 4 LEVELS.
$^{158}\text{Gd}(\alpha,4n)^{158}\text{Dy}$ average ν_γ						
8503	GRN Theo J NP/A	315	169	279 4.0+1	Koelling.	CURV. STAT. MOD. AS FUNC. OF I
$^{158}\text{Gd}(\alpha,4n)^{158}\text{Dy}$ partial relative $\sigma(E)$						
8504	HAU Expt J NP/A	188	1	72 4.0+1	Ferguson+ TBL.	CURV. 4 LEVELS.
$^{160}\text{Gd}(\alpha,4n+\alpha)^{156}\text{Gd}$ partial $\sigma(E)$						
8505	GRN Expt J NUK	23	1	78 5.0+1	1.3+2 Chmielewska+ CURV.	IN-BEAM G. X-RAY NOR
$^{160}\text{Gd}(\alpha,9n)^{158}\text{Dy}$ partial $\sigma(E)$						
8506	GRN Expt J NUK	23	1	78 5.0+1	1.3+2 Chmielewska+ CURV.	IN-BEAM G. X-RAY NOR
$^{160}\text{Gd}(\alpha,8n)^{156}\text{Dy}$ partial average ν_γ						
8507	GRN Expt J NP/A	323	317	779 7.5+1	1.1+2 De-Voigt+ CURV.	16 NaI(TL) DETECTORS.
$^{160}\text{Gd}(\alpha,8n)^{156}\text{Dy}$ partial $\sigma(E)$						
8508	GRN Expt J NUK	23	1	78 7.2+1	8.0+1 Chmielewska+ CURV.	IN-BEAM G. X-RAY NOR
	Expt J IZV	42	2369	78 8.0+1	1.3+2 Chmielewska+ TBL.	2 GS. FROM 125 DEG.
	Expt J BAS	42	132	78 8.0+1	1.3+2 .	TRANSLATION OF IZV 42(11), 2369.
$^{160}\text{Gd}(\alpha,8n)^{156}\text{Dy}$ $\sigma(E)$						
8509	GRN Expt J IZV	42	2369	78 8.0+1	1.3+2 Chmielewska+ TBL.	CURV. CFD ALICE.
	Expt J BAS	42	132	78 8.0+1	1.3+2 .	TRANSLATION OF IZV 42(11), 2369.
$^{160}\text{Gd}(\alpha,7n)^{157}\text{Dy}$ partial average ν_γ						
8510	GRN Expt J NP/A	323	317	779 6.0+1	1.0+2 De-Voigt+ CURV.	16 NaI(TL) DETECTORS.
$^{160}\text{Gd}(\alpha,7n)^{157}\text{Dy}$ partial $\sigma(E)$						
8511	GRN Expt J NUK	23	1	78 5.0+1	1.3+2 Chmielewska+ CURV.	IN-BEAM G. X-RAY NOR

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		¹⁶⁰ Gd(α,7n) ¹⁵⁷ Dy			partial σ(E)
8511	GRN Expt J IZV	42 2369	78 7.2+1	1.1+2	Chmielewska+ TBL. 6 GS. FROM 125 DEG.
	Expt J BAS	42 132	78 7.2+1	1.1+2	. TRANSLATION OF IZV 42(11),2369.
		¹⁶⁰ Gd(α,7n) ¹⁵⁷ Dy			σ(E)
8512	GRN Expt J IZV	42 2369	78 7.2+1	1.1+2	Chmielewska+ TBL. CURV. CFD ALICE.
	Expt J BAS	42 132	78 7.2+1	1.1+2	. TRANSLATION OF IZV 42(11),2369.
		¹⁶⁰ Gd(α,6n) ¹⁵⁸ Dy			partial average ν _y
8513	GRN Expt J NP/A	323	317 779 6.0+1	1.0+2	De-Voigt+ CURV. 16 NA1(TL) DETECTORS.
		¹⁶⁰ Gd(α,6n) ¹⁵⁸ Dy			partial σ(E)
8514	GRN Expt J NUK	23 1	78 5.5+1	1.2+2	Chmielewska+ CURV. IN-BEAM G. X-RAY NOR
	Expt J NUK	23 1	78 8.0+1		Chmielewska+ CURV. IN-BEAM G. X-RAY NOR
	Expt J IZV	42 2369	78 5.6+1	1.3+2	Chmielewska+ TBL. 4 GS. FROM 125 DEG.
	Expt J BAS	42 132	78 5.6+1	1.3+2	. TRANSLATION OF IZV 42(11),2369.
		¹⁶⁰ Gd(α,6n) ¹⁵⁸ Dy			σ(E)
8515	GRN Expt J IZV	42 2369	78 5.6+1	1.3+2	Chmielewska+ TBL. CURV. CFD ALICE.
	Expt J BAS	42 132	78 5.6+1	1.3+2	. TRANSLATION OF IZV 42(11),2369.
		¹⁶⁰ Gd(α,5n) ¹⁵⁹ Dy			partial average ν _y
8516	GRN Expt J NP/A	323	317 779 4.5+1	7.0+1	De-Voigt+ CURV. 16 NA1(TL) DETECTORS.
		¹⁶⁰ Gd(α,5n) ¹⁵⁹ Dy			σ(E)
8517	GRN Expt J IZV	42 2369	78 4.7+1	1.1+2	Chmielewska+ TBL. CURV. CFD ALICE.
	Expt J BAS	42 132	78 4.7+1	1.1+2	. TRANSLATION OF IZV 42(11),2369.
		¹⁶⁰ Gd(α,5n) ¹⁵⁹ Dy			partial σ(E)
8518	GRN Expt J IZV	42 2369	78 4.7+1	1.1+2	Chmielewska+ TBL. 6 GS. FROM 125 DEG.
	Expt J BAS	42 132	78 4.7+1	1.1+2	. TRANSLATION OF IZV 42(11),2369.
		¹⁶⁰ Gd(α,4n) ¹⁶⁰ Dy			average ν _y
8519	GRN Theo J NP/A	315	169 279 4.0+1	4.9+1	Koelling. CURV. STAT. MOD. AS FUNC. OF I
		¹⁶⁰ Gd(α,4n) ¹⁶⁰ Dy			partial average ν _y
8520	GRN Expt J NP/A	323	317 779 4.0+1	8.0+1	De-Voigt+ CURV. 16 NA1(TL) DETECTORS.
		¹⁶⁰ Gd(α,4n) ¹⁶⁰ Dy			partial σ(E)
8521	GRN Expt J NUK	23 1	78 5.0+1	1.3+2	Chmielewska+ CURV. IN-BEAM G. X-RAY NOR
	Expt J IZV	42 2369	78 4.7+1	5.6+1	Chmielewska+ TBL. 2 GS. FROM 125 DEG.
	Expt J BAS	42 132	78 4.7+1	5.6+1	. TRANSLATION OF IZV 42(11),2369.
		¹⁶⁰ Gd(α,4n) ¹⁶⁰ Dy			σ(E)
8522	GRN Expt J IZV	42 2369	78 4.7+1	5.6+1	Chmielewska+ TBL. CURV. CFD ALICE.
	Expt J BAS	42 132	78 4.7+1	5.6+1	. TRANSLATION OF IZV 42(11),2369.
		¹⁶⁰ Gd(α,xn) isotopic distribution			σ(E)
8523	GRN Expt J PL/B	78 401 078 4.0+1	1.2+2	Ockels+ CURV. X = 4-8.	
		¹⁶⁰ Gd(α,xn) isotopic distribution			ν _y
8524	GRN Expt J PL/B	78 401 078 4.0+1	1.2+2	Ockels+ CURV. X = 4-8.	
	Expt C 77TOKYO	733 977 4.0+1	1.1+2	Ockels+NDG. SYS. STUDY MG.CURV FOR 4N.	
		¹⁶² Dy(α,9n) ¹⁵⁷ Er			partial relative σ(E)
8525	OSA Expt P A-RCNP-76	181 76 9.0+1			Ejiri+ CURV.
		¹⁶² Dy(α,9n) ¹⁵⁷ Er			ν _y
8526	OSA Expt P A-RCNP-76	181 76 9.0+1			Ejiri+ CURV. GAMMA MULTIPLICITIES
		¹⁶² Dy(α,7n) ¹⁵⁸ Er			partial relative σ(E)
8527	OSA Expt P A-RCNP-76	181 76 9.0+1			Ejiri+ CURV.
		¹⁶² Dy(α,7n) ¹⁵⁸ Er			ν _y
8528	OSA Expt P A-RCNP-76	181 76 9.0+1			Ejiri+ CURV. GAMMA MULTIPLICITIES
		¹⁶² Dy(α,6n) ¹⁶⁰ Er			partial relative σ(E)
8529	OSA Expt P A-RCNP-76	181 76 9.0+1			Ejiri+ CURV.
		¹⁶² Dy(α,6n) ¹⁶⁰ Er			ν _y
8530	OSA Expt P A-RCNP-77	208 378 5.0+1	1.2+2	Nagai+ CURV. G MULT.	

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{162}\text{Dy}(\alpha,6n)^{160}\text{Er}$ ν_γ				
8530 OSA Expt P A-RCNP-76	181 76 9.0+1			Ejiri+ CURV. GAMMA MULTIPLICITIES
$^{162}\text{Dy}(\alpha,5n)^{161}\text{Er}$ relative $\sigma(E)$				
8531 OSA Expt P A-RCNP-76	181 76 9.0+1			Ejiri+ CURV.
$^{162}\text{Dy}(\alpha,5n)^{161}\text{Er}$ ν_γ				
8532 OSA Expt P A-RCNP-76	181 76 9.0+1			Ejiri+ CURV. GAMMA MULTIPLICITIES
$^{162}\text{Dy}(\alpha,4n)^{162}\text{Er}$ relative $\sigma(E)$				
8533 OSA Expt P A-RCNP-76	181 76 9.0+1			Ejiri+ CURV.
$^{162}\text{Dy}(\alpha,4n)^{162}\text{Er}$ ν_γ				
8534 OSA Expt P A-RCNP-76	181 76 9.0+1			Ejiri+ CURV. GAMMA MULTIPLICITIES
$^{162}\text{Dy}(\alpha,2n)^{164}\text{Er}$ partial relative $\sigma(E)$				
8535 OSA Expt J JPJ 46	6 179 2.2+1			Kishimoto+ CURV. REL. POP. OF G.S. BAND
$^{162}\text{Dy}(\alpha,xn)$ charge distribution relative $\sigma(E)$				
8536 OSA Expt P A-RCNP-77	213 378 5.0+1 1.2+2			Ejiri+ CURV. SUM OF XN.
$^{162}\text{Dy}(\alpha,inelastic+xn)$ isotopic distribution $\sigma(E)$				
8537 OSA Expt P A-RCNP-77	213 378 1.2+2			Ejiri+ CURV. X = 2-7.
Expt P A-RCNP-77	208 378 1.2+2			Ejiri+ CURV. X = 2-7.
$^{162}\text{Dy}(\alpha,xn)$ isotopic distribution $\sigma(E)$ factor				
8538 OSA Expt P A-RCNP-77	205 78 9.0+1			Ejiri+ CURV. FUNCT OF ET. FCT=1/SIGTOT
Expt P A-RCNP-77	205 78 9.0+1			Ejiri+ CURV. FUNCT OF ET. FCT=1/4PI.
$^{162}\text{Dy}(\alpha,xn)$ isotopic distribution $\sigma(E)$				
8539 OSA Expt P A-RCNP-77	205 378 7.0+1 9.0+1			Ejiri+ CURV. X=3-8.
Expt P A-RCNP-77	213 378 1.2+2			Ejiri+ CURV. X = 5-10.
Expt P A-RCNP-77	208 78 1.2+2			Ejiri+ CURV. X=5-10.
$^{162}\text{Dy}(\alpha,xn)$ isotopic distribution relative $\sigma(E)$				
8540 OSA Expt P A-RCNP-77	208 78 5.0+1 1.2+2			Ejiri+ CURV. FUNCT. OF ET.
Expt C 77TOKYO	729 977 9.0+1			Ejiri+ CURV. X=3-6,8.
$^{162}\text{Dy}(\alpha,xn)$ isotopic distribution ν_γ				
8541 OSA Expt P A-RCNP-76	181 76 7.0+1 9.0+1			Ejiri+ NDG. GAMMA MULTIPLICITIES IN ER
$^{162}\text{Dy}(\alpha,xn)$ isotopic distribution ν_n				
8542 OSA Expt P A-RCNP-77	208 78 5.0+1 1.2+2			Nagai+ NDG. X=4-10.
Expt P A-RCNP-77	208 78 5.0+1 1.2+2			Nagai+ CURV. X= 4 AND 6.
$^{162}\text{Dy}(\alpha,xn+p)$ isotopic distribution $\sigma(E)$				
8543 OSA Expt P A-RCNP-77	213 378 1.2+2			Ejiri+ CURV. X = 4-8.
Expt P A-RCNP-77	208 78 1.2+2			Ejiri+ CURV. X=4-8.
$^{163}\text{Dy}(\alpha,3n)^{164}\text{Er}$ partial relative $\sigma(E)$				
8544 WAU Expt J NP/A 188	1 72 4.0+1			Ferguson+ TBL. CURV. 4 LEVELS.
$^{164}\text{Dy}(\alpha,x)$ partial $\sigma(E)$				
8545 OSA Theo P A-RCNP-77	218 78 9.0+1			Sakai+ CURV. PREEQ. FRACT. EXCITON
$^{164}\text{Dy}(\alpha,x)$ partial $\sigma(E)$ factor				
8546 OSA Theo C 77TOKYO	727 977 9.0+1			Sakai+PRE-EQUIL.FRAC.UNC. OFE+EXCIT.NO
$^{164}\text{Dy}(\alpha,x)$ compound-nucleus $\sigma(E)$				
8547 OSA Expt P OULNS-79-3	2 79 5.0+1 1.2+2			Ejiri+ CURV. FUSION(EQUILIBRIUM).
$^{164}\text{Dy}(\alpha,absorption)$ $\sigma(E)$				
8548 OSA Expt P OULNS-79-3	2 79 5.0+1 1.2+2			Ejiri+ CURV. FROM G-MULTIPLICITY.
$^{164}\text{Dy}(\alpha,total)$ $\sigma(E)$				
8549 OSA Expt P OULNS-79-3	2 79 5.0+1 1.2+2			Ejiri+ CURV. FROM OPT. POTENTIAL.
$^{164}\text{Dy}(\alpha,x)n$ partial $\sigma(E)$				
8550 OSA Expt P OULNS-79-3	2 79 5.0+1 1.2+2			Ejiri+ CURV. SUM OF XN.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{164}\text{Dy}(\alpha,6n)^{162}\text{Er}$ ν_γ				
8551 OSA Expt P A-RCNP-77	208 378	5.0+1	1.2+2	Nagai+ CURV. G MULT.
$^{164}\text{Dy}(\alpha,4n)^{164}\text{Er}$ partial relative $\sigma(E)$				
8552 HAU Expt J NP/A 188	1 72	4.0+1		Ferguson+ TBL. CURV. 4 LEVELS.
$^{164}\text{Dy}(\alpha,xn)$ charge distribution relative $\sigma(E)$				
8553 OSA Expt P A-RCNP-77	213 378	5.0+1	1.2+2	Ejiri+ CURV. SUM OF XN.
$^{164}\text{Dy}(\alpha,\text{inelastic}+xn)$ isotopic distribution $\sigma(E)$				
8554 OSA Expt P A-RCNP-77	213 378	1.2+2		Ejiri+ CURV. X = 2-6.
Expt P A-RCNP-77	208 78	1.2+2		Ejiri+ CURV. X=2-6.
$^{164}\text{Dy}(\alpha,xn)$ isotopic distribution $\sigma(E)$ xfactor				
8555 OSA Expt P A-RCNP-77	205 78	9.0+1		Ejiri+ CURV. FUNCT OF ET. FCT=1/SIGTOT
Expt P A-RCNP-77	205 78	9.0+1		Ejiri+ CURV. FUNCT OF ET. FCT=1/4PI.
$^{164}\text{Dy}(\alpha,xn)$ isotopic distribution ν				
8556 OSA Expt P A-RCNP-77	208 78	5.0+1	1.2+2	Nagai+ CURV. X= 6 AND 8.
Expt P A-RCNP-77	208 78	5.0+1	1.2+2	Nagai+ NDG. X=4-10.
Expt P A-RCNP-77	208 78	1.2+2		Nagai+ CURV. X=6,8-11. FUNCT. OF ET.
$^{164}\text{Dy}(\alpha,xn)$ isotopic distribution $\sigma(E)$				
8557 OSA Expt P OULNS-79-3	2 79	1.2+2		Ejiri+ CURV. X=6-11.
Expt P A-RCNP-77	205 378	7.0+1	9.0+1	Ejiri+ CURV. X=3-8.
Expt P A-RCNP-77	213 378	1.2+2		Ejiri+ CURV. X = 5, 7-11.
Expt P A-RCNP-77	208 78	1.2+2		Ejiri+ CURV. X=4-11.
$^{164}\text{Dy}(\alpha,xn)$ isotopic distribution relative $\sigma(E)$				
8558 OSA Expt P A-RCNP-77	208 78	5.0+1	1.2+2	Ejiri+ CURV. FUNCT. OF ET.
Expt C 777TOKYO	729 977	9.0+1		Ejiri+ CURV. X=4-8.
$^{164}\text{Dy}(\alpha,xn)$ isotopic distribution ν_γ				
8559 OSA Expt P A-RCNP-77	208 378	1.2+2		Nagai+ CURV. X=6,8-11. G MULT.
Expt P A-RCNP-76	181 76	7.0+1	9.0+1	Ejiri+ NDG. GAMMA MULTIPLICITIES IN ER
$^{164}\text{Dy}(\alpha,xn+p)$ isotopic distribution $\sigma(E)$				
8560 OSA Expt P A-RCNP-77	213 378	1.2+2		Ejiri+ CURV. X = 5, 7-9.
Expt P A-RCNP-77	208 78	1.2+2		Ejiri+ CURV. X=5-9.
$^{165}\text{Ho}(\alpha,4n+p)^{164}\text{Er}$ relative I_γ				
8561 GRE Expt J NP/A 289	77 077	7.3+1		Foin+ TBL. THETA=125 DEG.
$^{165}\text{Ho}(\alpha,3n)^{166}\text{Tm}$ $\sigma(E)$				
8562 MIL Theo J NIM	146 265	077 2.8+1	6.0+1	Gadioli+ CURV. PRE-EQUIL. MODEL.
$^{165}\text{Ho}(\alpha,3n)^{166}\text{Tm}$ partial product yield				
8563 IPS Expt P A-IPS-79	98 79	NDG		Elfstrom+ NDG. ROTATIONAL BANDS.
$^{165}\text{Ho}(\alpha,2n)^{167}\text{Tm}$ $\sigma(E)$				
8564 JAP Expt A JLCR	23 191	77 NDG		Murakami+ NDG. DISAGREE WITH EARLY WORK
8565 MIL Theo J NIM	146 265	077 1.8+1	5.8+1	Gadioli+ CURV. PRE-EQUIL. MODEL.
8566 ALB Expt W ANN. REP.	65 77	4.0+1		Kishore+ NDG.
$^{165}\text{Ho}(\alpha,2n)^{167}\text{Tm}$ $\sigma(E)$ xfactor				
8567 ALB Expt W ANN. REP.	65 77	4.0+1		Kishore+ NDG. TM167/TM168 RATIO.
$^{165}\text{Ho}(\alpha,2n)^{167}\text{Tm}$ partial product yield				
8568 FRS Expt A HPA	49 191	76 2.5+1		Ionescu+ NDG.
$^{165}\text{Ho}(\alpha,n)^{166}\text{Tm}$ $\sigma(E)$				
8569 ALB Expt W ANN. REP.	65 77	4.0+1		Kishore+ NDG.
$^{165}\text{Ho}(\alpha,n)^{166}\text{Tm}$ $\sigma(E)$ xfactor				
8570 ALB Expt W ANN. REP.	65 77	4.0+1		Kishore+ NDG. TM167/TM168 RATIO.
$^{165}\text{Ho}(\alpha,xn)$ isotopic distribution relative I_γ				
8571 GRE Expt J NP/A 289	77 077	7.3+1		Foin+ TBL. X=5-7. THETA=125 DEG.
$^{166}\text{Er}(\alpha,x)n$ ν				
8572 ANL Expt A BAP	22 630	477 6.7+1	9.8+1	Sarantides+ NDG. MULTIPLICITY. E IN CN

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
¹⁶⁶ Er(α,inelastic) ¹⁶⁶ Er	partial raw thick target yield×abundance			
8573 SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
¹⁶⁶ Er(α,inelastic) ¹⁶⁶ Er	partial raw thick target yield _y			
8574 ORL Expt J NP/A	297	51	378 1.4+1	Mc-Gowan+ TBL. 12GS. ALSO ANIS. COUL.
¹⁶⁶ Er(α,4n) ¹⁶⁶ Yb	ν _n			
8575 LND Expt P LU-NP-1976	321	177	NDG	Carlen+ NDG. N MULTIPLICITIES.
¹⁶⁶ Er(α,4n) ¹⁶⁸ Yb	ν _y			
8576 LND Expt P LU-NP-1976	321	177	NDG	Carlen+ NDG. G MULTIPLICITIES.
¹⁶⁶ Er(α,4n) ¹⁶⁸ Yb	partial ν _y			
8577 IPS Expt J NIM	150	483	78 5.1+1	Kerek+CURV.G.S.BAND.FUNC. OF J.MULT.DET
Expt J NIM	150	483	78 5.1+1	Kerek+CURV.SIDEBAND.FUNC. OF J.MULT.DET
¹⁶⁶ Er(α,x)isotopic distribution	partial σ(E)			
8578 ORL Expt J PR/C	17	601	278 6.8+1 9.5+1	Sarantites+ TBL. CURV. 2N-8N,5N+A,6N+A
¹⁶⁶ Er(α,x)isotopic distribution	partial average ν _y			
8579 ORL Expt J PR/C	17	601	378 6.8+1 9.5+1	Sarantites+ TBL. CURV. 2N-8N,5N+A,6N+A
¹⁶⁶ Er(α,xn)isotopic distribution	compound-nucleus σ(E)			
8580 ORL Expt P ORNL-5306	46	677	6.8+1 9.5+1	Sarantites+ CURV. X=2-9.
¹⁶⁶ Er(α,xn)isotopic distribution	ν _y			
8581 ORL Expt P ORNL-5306	46	677	6.8+1 9.5+1	Sarantites+ CURV. X=2-9. MULTIPLICITIES.
8582 PAR Rev J APH	3	5	78 1.5+2	Lefort+ CURV. X=2-6.
¹⁶⁷ Er(α,inelastic) ¹⁶⁷ Er	partial raw thick target yield×abundance			
8583 SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
¹⁶⁷ Er(α,3n) ¹⁶⁸ Yb	partial relative σ(E)			
8584 HAU Expt J NP/A	188	1	72 4.0+1	Ferguson+ TBL. CURV. 4 LEVELS.
¹⁶⁸ Er(α,inelastic) ¹⁶⁸ Er	partial raw thick target yield _y			
8585 ORL Expt J NP/A	297	51	378 1.4+1	Mc-Gowan+ TBL. 10GS. ALSO ANIS. COUL.
¹⁶⁸ Er(α,inelastic) ¹⁶⁸ Er	partial raw thick target yield×abundance			
8586 SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
¹⁶⁸ Er(α,4n) ¹⁶⁸ Yb	partial relative σ(E)			
8587 HAU Expt J NP/A	188	1	72 4.0+1	Ferguson+ TBL. CURV. 4 LEVELS.
¹⁷⁰ Er(α,inelastic) ¹⁷⁰ Er	partial raw thick target yield _y			
8588 ORL Expt J NP/A	297	51	378 1.4+1	Mc-Gowan+ TBL. 10GS. ALSO ANIS. COUL.
¹⁷⁰ Er(α,inelastic) ¹⁷⁰ Er	partial raw thick target yield×abundance			
8589 SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
¹⁶⁹ Tm(α,fission)	σ(E)×factor			
8590 MAN Rev J RPP	39	955	76 4.0+1 8.0+1	Grant. CURV. FISS. PROB. PL/B 38, 471
¹⁶⁹ Tm(α,6n) ¹⁶⁷ Lu	relative I _y			
8591 GRE Expt J NP/A	287	77	877 7.2+1	Barneoud+ NDG.
¹⁶⁹ Tm(α,2n) ¹⁷¹ Lu	product yield			
8592 YAL Expt J ZP/A	281	263	77 NDG	Sen+ NDG. OPTIMUM YLD AT 29 MEV.
¹⁷¹ Yb(α,n) ¹⁷⁴ Hf	partial σ(E)×factor			
8593 NBI Expt C 71ALBANY	483	71	2.0+1 2.8+1	Ejiri+CURV.(K=6,J=6)(BETA,J=6)/(K=0,J=6
¹⁷² Yb(α,2n) ¹⁷⁴ Hf	partial relative σ(E)			
8594 OSA Expt J JPJ	46	6	179 2.2+1	Kishimoto+ CURV. REL. POP. OF G.S. BAND
¹⁷² Yb(α,2n) ¹⁷⁴ Hf	partial σ(E)×factor			
8595 NBI Expt C 71ALBANY	483	71	2.0+1 2.8+1	Ejiri+CURV.(K=6,J=6)(BETA,J=6)/(K=0,J=6
¹⁷² Yb(α,xn)isotopic distribution	partial σ(E)×factor			
8596 OSA Expt P A-RCNP-76	181	76	4.0+1 1.2+2	Ejiri+ NDG. (K=6,J=6)/(K=0,J=6) IN HF

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{173}\text{Yb}(\alpha, 3n)^{174}\text{Hf}$	partial relative $\sigma(E)$			
8597 HAU Expt J NP/A 188	1	72	4.0+1	Ferguson+ TBL. CURV. 5 LEVELS.
$^{174}\text{Yb}(\alpha, 4n)^{174}\text{Hf}$	partial relative $\sigma(E)$			
8598 HAU Expt J NP/A 188	1	72	4.0+1	Ferguson+ TBL. CURV. 5 LEVELS.
$^{174}\text{Yb}(\alpha, xn)$ charge distribution	relative $\sigma(E)$			
8599 OSA Expt P A-RCNP-77	213 378	5.0+1	1.2+2	Ejiri+ CURV. SUM OF XN.
$^{174}\text{Yb}(\alpha, xn)$ isotopic distribution	relative $\sigma(E)$			
8600 OSA Expt P A-RCNP-77	208 78	5.0+1	1.2+2	Ejiri+ CURV. FUNCT. OF ET.
Theo C 77TOKYO	727 977	9.0+1		Sakai+ CURV. EXCITON MOD. X=4-9.
Exth C 77TOKYO	731 977	7.0+1	9.0+1	Sakai+ CURV. X=2-8.
$^{174}\text{Yb}(\alpha, xn)$ isotopic distribution	partial $\sigma(E)$ ×factor			
8601 OSA Expt P A-RCNP-76	181 76	4.0+1	1.2+2	Ejiri+ NDG. (K=6, J=6)/(K=0, J=6) IN HF
$^{176}\text{Yb}(\alpha, 4n)^{176}\text{Hf}$	partial relative $\sigma(E)$			
8602 HAU Expt J NP/A 188	1	72	4.0+1	Ferguson+ TBL. CURV. 5 LEVELS.
$^{176}\text{Yb}(\alpha, xn)$ charge distribution	relative $\sigma(E)$			
8603 OSA Expt P A-RCNP-77	213 378	5.0+1	1.2+2	Ejiri+ CURV. SUM OF XN.
$^{176}\text{Yb}(\alpha, xn)$ isotopic distribution	relative $\sigma(E)$			
8604 OSA Expt P A-RCNP-77	208 78	5.0+1	1.2+2	Ejiri+ CURV. FUNCT. OF ET.
Theo C 77TOKYO	727 977	9.0+1		Sakai+ CURV. EXCITON MOD. X=4-10.
Exth C 77TOKYO	731 977	7.0+1	9.0+1	Sakai+ CURV. X=2-8.
$^{175}\text{Lu}(\alpha, \text{fission})$	$\sigma(E)$ ×factor			
8605 MAN Revw J RPP	39 955	76	4.0+1	8.0+1 Grant. CURV. FISS. PROB. PL/B 38, 471
$^{176}\text{Lu}(\alpha, 2n)^{178}\text{Ta}$	relative I_y			
8606 ROS Expt J NP/A 315	317 379	2.3+1	2.7+1	Dubbers+ TBL. 61 GS. ALSO A2.
$^{176}\text{Hf}(\alpha, \text{fission})$	$\sigma(E)$ ×factor			
8607 KAZ Expt J YF	21 1185 675	3.8+1	4.8+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
Expt J SNP	21 612 76	3.8+1	4.8+1	. TRANSLATION OF YF 21(6), 1185(76).
$^{177}\text{Hf}(\alpha, \text{fission})$	$\sigma(E)$ ×factor			
8608 KAZ Expt J YF	21 1185 675	3.8+1	4.8+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
Expt J SNP	21 612 76	3.8+1	4.8+1	. TRANSLATION OF YF 21(6), 1185(76).
$^{177}\text{Hf}(\alpha, \text{inelastic})^{177}\text{Hf}$	partial raw thick target yield×abundance			
8609 SUN Expt J JRC	50 307 79	5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
$^{177}\text{Hf}(\alpha, 3n)^{178}\text{W}$	relative I_y			
8610 MSU Expt J NP/A 314	61 179	3.4+1	4.6+1	Dors+ CURV. 10 GS. THETA=125DEG.
Expt J NP/A 314	61 179	3.8+1		Dors+ TBL. 81 GS. ALSO A2, A4.
$^{178}\text{Hf}(\alpha, \text{fission})$	$\sigma(E)$ ×factor			
8611 KAZ Expt J YF	21 1185 675	3.8+1	4.8+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
Expt J SNP	21 612 76	3.8+1	4.8+1	. TRANSLATION OF YF 21(6), 1185(76).
$^{178}\text{Hf}(\alpha, \text{inelastic})^{178}\text{Hf}$	partial raw thick target yield×abundance			
8612 SUN Expt J JRC	50 307 79	5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
$^{178}\text{Hf}(\alpha, \text{inelastic})^{178}\text{Hf}$	partial raw thick target yield×abundance			
8613 SUN Expt J JRC	50 307 79	5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
$^{178}\text{Hf}(\alpha, 3n)^{180}\text{W}$	partial relative $\sigma(E)$			
8614 HAU Expt J NP/A 188	1	72	4.0+1	Ferguson+ TBL. CURV. 1 LEVEL.
$^{180}\text{Hf}(\alpha, \text{fission})$	$\sigma(E)$ ×factor			
8615 KAZ Expt J YF	21 1185 675	3.8+1	4.8+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
Expt J SNP	21 612 76	3.8+1	4.8+1	. TRANSLATION OF YF 21(6), 1185(76).
$^{180}\text{Hf}(\alpha, \text{inelastic})^{180}\text{Hf}$	partial raw thick target yield×abundance			
8616 SUN Expt J JRC	50 307 79	5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
$^{180}\text{Hf}(\alpha, 4n)^{180}\text{W}$	partial relative $\sigma(E)$			
8617 HAU Expt J NP/A 188	1	72	4.0+1	Ferguson+ TBL. CURV. 1 LEVEL.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{180}\text{Hf}(\alpha,2n)^{182}\text{W}$ relative I_γ					
8618	NBI Expt J NP/A	280	21	477 2.6+	Jellema+ TBL. REL. TO 152-KEV G.
$\text{Ta}(\alpha, \text{total}) \sigma(E)$					
8619	IJI Revw J FCY	6	827	75 2.3+1 4.0+1	Nemets+ TBL.
	Revw J, SJPN	0	325	76 2.3+1 4.0+1	TRANSLATION OF FCY 6, (4), 827(1975).
$\text{Ta}(\alpha, x)n$ thick target yield					
8620	HAR Expt P UKNDC-P-86	17	877	2.0+0 7.5+0	West+ NDG.
$^{181}\text{Ta}(\alpha, \text{fission}) \sigma(E)$					
8621	LVN Expt P INDC(SEC)-5170	075	2.9+1	1.1+2	Del Marmol. NDG. ALSO DEDUCED FISS PROB
$^{181}\text{Ta}(\alpha, \text{fission}) \sigma(E) \times \text{factor}$					
8622	LVN Expt P INDC(SEC)-5170	075	2.9+1	1.1+2	Del Marmol. NDG. ALSO DEDUCED FISS PROB
8623	KAZ Expt J YF	21	1185	675 3.8+1 4.8+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21	612	76 3.8+1 4.8+1	TRANSLATION OF YF 21(6), 1185(76).
$^{181}\text{Ta}(\alpha, x)\gamma$ thick target yield					
8624	CCP Expt R YK- 21	73	76	4.6+1	Matusevich+ CURV. TBL. THETA = 0 DEG.
	Expt R INDC(CCP)-103	577	4.6+1		TRANSLATION OF T. OF C. (YK 21, 73(1976)
$^{181}\text{Ta}(\alpha, x)n$ thick target yield					
8625	HAR Expt P AERE-PR/NP	24	577	2.0+0 7.5+0	West+ NDG. P. 24
$^{181}\text{Ta}(\alpha, \text{scattering})^{181}\text{Ta}$ partial spectrum average $\sigma(E)$					
8626	MUJ Expt W ANNUAL RPT	97	74	2.3+1 2.7+1	Eberhard+ CURV. INTAD(140-180).
$^{181}\text{Ta}(\alpha, \text{inelastic})^{181}\text{Ta}$ partial raw thick target yield					
8627	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
$^{181}\text{Ta}(\alpha, 8n)^{177}\text{Re} \sigma(E)$					
8628	KFK Expt J NP/A	228	165	74 8.6+1 1.0+2	Hermes+ TBL. CURV.
$^{181}\text{Ta}(\alpha, 7n)^{178}\text{Re} \sigma(E)$					
8629	KFK Expt J NP/A	228	165	74 7.5+1 9.9+1	Hermes+ TBL. CURV.
$^{181}\text{Ta}(\alpha, 6n)^{179}\text{Re} \sigma(E)$					
8630	KFK Expt J NP/A	228	165	74 6.3+1 9.2+1	Hermes+ TBL. CURV.
$^{181}\text{Ta}(\alpha, 5n)^{180}\text{Re} \sigma(E)$					
8631	KFK Expt J NP/A	228	165	74 5.0+1 7.7+1	Hermes+ TBL. CURV.
$^{181}\text{Ta}(\alpha, 4n)^{181}\text{Re} \sigma(E)$					
8632	KFK Expt J NP/A	228	165	74 3.5+1 8.1+1	Hermes+ TBL. CURV.
$^{181}\text{Ta}(\alpha, 3n)^{182}\text{Re} \sigma(E)$					
8633	KFK Expt J NP/A	228	165	74 2.6+1 5.7+1	Hermes+ TBL. CURV.
$^{181}\text{Ta}(\alpha, 2n)^{183}\text{Re} \sigma(E)$					
8634	KFK Expt J NP/A	228	165	74 1.5+1 4.5+1	Hermes+ TBL. CURV.
$\text{W}(\alpha, \text{inelastic})$ raw thick target yield					
8635	ORL Expt J NP/A	289	253	077 1.5+1	Mc-Gowan+ TBL. EXC./NANOCOULOMB.
$\text{W}(\alpha, x)\gamma$ thick target yield					
8636	CCP Expt R YK- 21	73	76	4.6+1	Matusevich+ CURV. TBL. THETA = 0 DEG.
	Expt R INDC(CCP)-103	577	4.6+1		TRANSLATION OF T. OF C. (YK 21, 73(1976)
$^{182}\text{W}(\alpha, \text{fission}) \sigma(E) \times \text{factor}$					
8637	MAN Revw J RPP	39	955	76 3.0+1 1.2+2	Grant. CURV. FISS. PROD. PL/B 38, 471
8638	KAZ Expt J YF	21	1185	675 3.0+1 4.9+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21	612	76 3.0+1 4.9+1	TRANSLATION OF YF 21(6), 1185(76).
$^{182}\text{W}(\alpha, \text{fission}) \sigma(E)$					
8639	WHS Expt J JIN	38	2153	76 4.1+1	Neuzil. TBL. DEDUCED FROM FRAGMENT YLD.
$^{182}\text{W}(\alpha, \text{fission})^{93}\text{Y} \sigma(E)$					
8640	WHS Expt J JIN	38	2153	76 4.1+1	Neuzil. TBL.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{182}\text{W}(\alpha, \text{inelastic})^{182}\text{W}$	partial raw thick target yield, $\times$ abundance		
8641	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
		$^{182}\text{W}(\alpha, \text{n})^{182}\text{Os}$	partial $\sigma(E)$ $\times$ factor		
8642	OSA Expt P A-RCNP-76	181	76	4.0+1 1.2+2	Ejiri+ CURV. (K=8, J=8)/(K=0, J=8)
		$^{182}\text{W}(\alpha, \text{n})^{182}\text{Os}$	partial relative $\sigma(E)$		
8643	TOK Expt J NP/A	179	769	72 3.2+1 5.4+1	Ishihara+TBL. CURV. 5 LEV + K-ISOMER RAT
		$^{182}\text{W}(\alpha, \text{fission})$	mass distribution cumulative fission yield		
8644	ORL Revw C 74NASH	2	107	674 1.2+2	Plas11. CURV. A=40-150.
		$^{183}\text{W}(\alpha, \text{fission})$	$\sigma(E)$ $\times$ factor		
8645	KAZ Expt J YF	21	1185	675 3.0+1 4.9+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21	612	76 3.0+1 4.9+1	. TRANSLATION OF YF 21(6), 1185(76).
		$^{183}\text{W}(\alpha, \text{fission})$	$\sigma(E)$		
8646	WHS Expt J JIN	38	2153	76 4.1+1	Neuzil. TBL. DEDUCED FROM FRAGMENT YLD.
		$^{183}\text{W}(\alpha, \text{fission})^{83}\text{Y}$	$\sigma(E)$		
8647	WHS Expt J JIN	38	2153	76 4.1+1	Neuzil. TBL.
		$^{183}\text{W}(\alpha, \text{inelastic})^{183}\text{W}$	partial raw thick target yield, $\times$ abundance		
8648	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
		$^{183}\text{W}(\alpha, \text{inelastic})^{183}\text{W}$	partial thick target yield,		
8649	ORL Expt J PR/C	20	2093	079 1.5+1	Mc-Gowan+ TBL. GE(L1). 0-, 55-, 90-DEGREE
		$^{184}\text{W}(\alpha, \text{fission})$	$\sigma(E)$ $\times$ factor		
8650	KAZ Expt J YF	21	1185	675 3.0+1 4.9+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21	612	76 3.0+1 4.9+1	. TRANSLATION OF YF 21(6), 1185(76).
		$^{184}\text{W}(\alpha, \text{fission})$	$\sigma(E)$		
8651	WHS Expt J JIN	38	2153	76 4.1+1	Neuzil. TBL. DEDUCED FROM FRAGMENT YLD.
		$^{184}\text{W}(\alpha, \text{fission})^{83}\text{Y}$	$\sigma(E)$		
8652	WHS Expt J JIN	38	2153	76 4.1+1	Neuzil. TBL.
		$^{184}\text{W}(\alpha, \text{inelastic})^{184}\text{W}$	partial thick target yield		
8653	PUP Expt J NP/A	291	510	N77 1.4+1	O'Brien+ NDG. 2+ STATE REORIENTATION EFF
		$^{184}\text{W}(\alpha, \text{inelastic})^{184}\text{W}$	partial raw thick target yield, $\times$ abundance		
8654	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
		$^{184}\text{W}(\alpha, \text{n})^{182}\text{Os}$	partial $\sigma(E)$ $\times$ factor		
8655	OSA Expt C 77TOKYO	728	977	4.0+1	Ejiri+ CURV. PB(8)/PB(0) RATIO
	Expt P A-RCNP-76	181	76	4.0+1 1.2+2	Ejiri+ CURV. (K=8, J=8)/(K=0, J=8)
		$^{186}\text{W}(\alpha, \text{fission})$	$\sigma(E)$ $\times$ factor		
8656	KAZ Expt J YF	21	1185	675 3.4+1 4.8+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21	612	76 3.4+1 4.8+1	. TRANSLATION OF YF 21(6), 1185(76).
		$^{186}\text{W}(\alpha, \text{fission})$	$\sigma(E)$		
8657	WHS Expt J JIN	38	2153	76 4.1+1	Neuzil. TBL. DEDUCED FROM FRAGMENT YLD.
		$^{186}\text{W}(\alpha, \text{fission})^{83}\text{Y}$	$\sigma(E)$		
8658	WHS Expt J JIN	38	2153	76 4.1+1	Neuzil. TBL.
		$^{186}\text{W}(\alpha, \text{inelastic})^{186}\text{W}$	partial thick target yield		
8659	PUP Expt J NP/A	291	510	N77 1.4+1	O'Brien+ NDG. 2+ STATE REORIENTATION EFF
		$^{186}\text{W}(\alpha, \text{inelastic})^{186}\text{W}$	partial raw thick target yield, $\times$ abundance		
8660	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
		$^{186}\text{W}(\alpha, \text{n})^{182}\text{Os}$	partial $\sigma(E)$ $\times$ factor		
8661	OSA Expt P A-RCNP-76	181	76	4.0+1 1.2+2	Ejiri+ CURV. (K=8, J=8)/(K=0, J=8)
		$^{186}\text{Re}(\alpha, \text{fission})$	$\sigma(E)$ $\times$ factor		
8662	KAZ Expt J YF	21	1185	675 3.0+1 4.9+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21	612	76 3.0+1 4.9+1	. TRANSLATION OF YF 21(6), 1185(76).

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
	$^{185}\text{Re}(\alpha, \text{inelastic})$	^{185}Re	partial raw thick target yield, abundance		
8663	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
	$^{185}\text{Re}(\alpha, 4n)$	^{185}Ir	partial relative $\sigma(E)$		
8664	GRE Expt J NP/A	325	445	879 4.1+1 5.6+1	Andre+ NDG. GE(LI).
	Expt J NP/A	325	445	879 5.1+1	Andre+ TBL. 135 GS. ALSO A2, A4.
	$^{187}\text{Re}(\alpha, \text{inelastic})$	^{187}Re	partial raw thick target yield, abundance		
8665	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
	$^{187}\text{Re}(\alpha, 6n)$	^{185}Ir	partial relative $\sigma(E)$		
8666	GRE Expt J NP/A	325	445	879 7.2+1 7.7+1	Andre+ NDG. GE(LI).
	$^{188}\text{Os}(\alpha, \text{fission})$		$\sigma(E)$ factor		
8667	MAN Revv J RPP	39	955	76 3.0+1 1.2+2	Grant. CURV. FISS. PROB. PL/B 38, 471
8668	KAZ Expt J YF	21	1185	675 3.0+1 5.0+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21	612	76 3.0+1 5.0+1	. TRANSLATION OF YF 21(6), 1185(76).
	$^{189}\text{Os}(\alpha, \text{fission})$		$\sigma(E)$ factor		
8669	KAZ Expt J YF	21	1185	675 3.0+1 5.0+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21	612	76 3.0+1 5.0+1	. TRANSLATION OF YF 21(6), 1185(76).
	$^{189}\text{Os}(\alpha, 2n)$	^{191}Pt	relative I_γ		
8670	ROS Expt J NP/A	293	314	077 2.3+1 2.7+1	Kennitz+ TBL. 46 GAMMAS. ALSO LEG COEF.
	$^{190}\text{Os}(\alpha, \text{fission})$		$\sigma(E)$ factor		
8671	KAZ Expt J YF	21	1185	675 3.0+1 5.0+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21	612	76 3.0+1 5.0+1	. TRANSLATION OF YF 21(6), 1185(76).
	$^{190}\text{Os}(\alpha, 3n)$	^{191}Pt	relative I_γ		
8672	PUR Expt J PR/C	15	94	176 3.5+1	Saha+ TBL. EG=.0482 TO 838.6
	$^{191}\text{Os}(\alpha, \text{fission})$		$\sigma(E)$ factor		
8673	KAZ Expt J YF	21	1185	675 2.5+1 4.9+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21	612	76 2.5+1 4.9+1	. TRANSLATION OF YF 21(6), 1185(76).
	$^{192}\text{Os}(\alpha, 4n)$	^{192}Pt	v_n		
8674	LND Expt P LU-NP-1976	321	177	NDG	Carlen+ NDG. N MULTIPLICITIES.
	$^{192}\text{Os}(\alpha, 4n)$	^{192}Pt	v_γ		
8675	LND Expt P LU-NP-1976	321	177	NDG	Carlen+ NDG. G MULTIPLICITIES.
	$^{192}\text{Os}(\alpha, 3n)$	^{193}Pt	relative I_γ		
8676	PUR Expt J PR/C	15	94	176 3.5+1	Saha+ TBL. EG=49.2 TO 703.4 KEV
	$^{191}\text{Ir}(\alpha, \text{fission})$		$\sigma(E)$ factor		
8677	KAZ Expt J YF	21	1185	675 3.9+1 4.9+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21	612	76 3.9+1 4.9+1	. TRANSLATION OF YF 21(6), 1185(76).
	$^{191}\text{Ir}(\alpha, \text{inelastic})$	^{191}Ir	partial raw thick target yield, abundance		
8678	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
	$^{193}\text{Ir}(\alpha, \text{inelastic})$	^{193}Ir	partial raw thick target yield, abundance		
8679	SUN Expt J JRC	50	307	79 5.0+0	Giles+ TBL. SURVEY OF PROMPT GS.
	$^{195}\text{Ir}(\alpha, \text{fission})$		$\sigma(E)$ factor		
8680	KAZ Expt J YF	21	1185	675 3.9+1 4.9+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21	612	76 3.9+1 4.9+1	. TRANSLATION OF YF 21(6), 1185(76).
	$\text{Pt}(\alpha, \text{total})$		$\sigma(E)$		
8681	IJ1 Revv J FCY	6	827	75 2.3+1 2.8+1	Nemets+ TBL. FROM APPB 5, 115(1974).
	Revv J SJPN	6	325	76 2.3+1 2.8+1	. TRANSLATION OF FCY 6, (4), 827(1975).
	$\text{Pt}(\alpha, x)^3\text{H}$		thick target yield		
8682	BRK Expt J PR	120	1354	60 4.8+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107	1311	57 4.8+1	. SOME EXPERIMENTAL DETAILS.
	Expt J EXFORB0080.034	078	4.8+1		. (11.48+-10PERCENT)MB.
8683	KFK Comp B PH-DAT	15	2	079 4.8+1	Muenzel+ TBL. FROM EXFOR.
	$\text{Pt}(\alpha, x)^3\text{H}$		product yield		
8684	BRK Expt J PR	120	1354	60 4.8+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Pt(α, x) ³ H product yield					
8684	BRK Expt J PR	107 1311 57 4.8+1			. SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.034	D78 4.8+1			. (1.68E-5+-10PERCENT)/INCIDENT A.
8685	KFK Comp B PH-DAT	15 2 D79 4.8+1			Muenzel+ TBL. FROM EXFOR.
¹⁸² Pt(α , fission) $\sigma(E)$ =factor					
8686	KAZ Expt J YF	21 1185 675 2.6+1 4.9+1			Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21 612 76 2.6+1 4.9+1			. TRANSLATION OF YF 21(6), 1185(76).
¹⁸² Pt(α , inelastic) ¹⁸² Pt partial raw thick target yield, $\times$ abundance					
8687	SUN Expt J JRC	50 307 79 5.0+0			Giles+ TBL. SURVEY OF PROMPT GS.
¹⁸⁴ Pt(α , fission) $\sigma(E)$ =factor					
8688	KAZ Expt J YF	21 1185 675 2.6+1 4.9+1			Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21 612 76 2.6+1 4.9+1			. TRANSLATION OF YF 21(6), 1185(76).
¹⁸⁴ Pt(α , inelastic) ¹⁸⁴ Pt partial raw thick target yield, $\times$ abundance					
8689	SUN Expt J JRC	50 307 79 5.0+0			Giles+ TBL. SURVEY OF PROMPT GS.
¹⁸⁵ Pt(α , fission) $\sigma(E)$ =factor					
8690	KAZ Expt J YF	21 1185 675 2.6+1 4.9+1			Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21 612 76 2.6+1 4.9+1			. TRANSLATION OF YF 21(6), 1185(76).
¹⁸⁵ Pt(α , inelastic) ¹⁸⁵ Pt partial raw thick target yield, $\times$ abundance					
8691	SUN Expt J JRC	50 307 79 5.0+0			Giles+ TBL. SURVEY OF PROMPT GS.
¹⁸⁵ Pt(α , 2n) ¹⁸⁷ Hg relative I _{γ}					
8692	ROS Expt J NP/A	293 314 D77 2.3+1 2.7+1			Kennitz+ TBL. CURV. 50 GAMMAS. ALSO LEG
¹⁸⁶ Pt(α , fission) $\sigma(E)$ =factor					
8693	KAZ Expt J YF	21 1185 675 2.6+1 4.9+1			Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21 612 76 2.6+1 4.9+1			. TRANSLATION OF YF 21(6), 1185(76).
¹⁸⁶ Pt(α , inelastic) ¹⁸⁶ Pt partial raw thick target yield, $\times$ abundance					
8694	SUN Expt J JRC	50 307 79 5.0+0			Giles+ TBL. SURVEY OF PROMPT GS.
¹⁸⁸ Pt(α , inelastic) ¹⁸⁸ Pt partial raw thick target yield, $\times$ abundance					
8695	SUN Expt J JRC	50 307 79 5.0+0			Giles+ TBL. SURVEY OF PROMPT GS.
¹⁸⁸ Pt(α , 5n) ¹⁹⁷ Hg relative I _{γ}					
8696	BON Expt J NP/A	301 365 578 5.5+1			Mertin+ TBL. 11 GS. ALSO ANG. DISTR. COEF
¹⁸⁸ Pt(α , 4n) ¹⁸⁸ Hg relative I _{γ}					
8697	BON Expt J PR/C	15 1298 477 4.8+1			Gunther+ TBL. 25 G'S. ALSO 1(CE).
¹⁸⁸ Pt(α , 4n) ¹⁸⁸ Hg $\sigma(E)$ =factor					
8698	BON Expt J NP/A	301 365 578 4.0+1			Mertin+ (A,3N)/(A,4N)=1/3 FROM GG COINC
¹⁸⁸ Pt(α , 3n) ¹⁸⁸ Hg relative I _{γ}					
8699	BON Expt J NP/A	301 365 578 3.1+1 3.9+1			Mertin+ TBL. 17 GS.
¹⁸⁸ Pt(α , 3n) ¹⁸⁸ Hg $\sigma(E)$ =factor					
8700	BON Expt J NP/A	301 365 578 4.0+1			Mertin+ (A,3N)/(A,4N)=1/3 FROM GG COINC
¹⁸⁸ Pt(α , 2n) ²⁰⁰ Hg relative I _{γ}					
8701	BON Expt J PR/C	15 1298 477 2.8+1 3.4+1			Gunther+ TBL. 13 G'S. ALSO 1(CE).
¹⁸⁷ Au(α , fission) $\sigma(E)$ fission fragments					
8702	KFK Expt J NP/A	145 337 70 1.0+2			Gindler+ INTAD. SOLID-STATE DETECTOR.
	Expt 4 EXFORB0030.002	77 1.0+2			. (0.1+-0.01)MB.
8703	KFK Exth B PH-DAT	15 1 079 1.0+2			Muenzel+ TBL. FROM EXFOR.
¹⁸⁷ Au(α , fission) $\sigma(E)$ =factor					
8704	KAZ Expt J YF	21 1185 675 2.9+1 4.9+1			Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21 612 76 2.9+1 4.9+1			. TRANSLATION OF YF 21(6), 1185(76).
¹⁸⁷ Au(α , absorption) $\sigma(E)$					
8705	FSU Exth J PR/C	16 1767 N77 2.4+1			Wojciechowski+ TBL. ELAS-RUTH METHOD.
	Theo J PL/B	63 413 76 2.4+1			Wojciechowski+ (528+-40)MB

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{197}\text{Au}(\alpha, \text{total}) \sigma(E)$					
8706	IJI Revv J FCY	6	827	75 2.3+1	4.0+1 Nemets+ TBL.
	Revv J SJPN	6	325	76 2.3+1	4.0+1 . TRANSLATION OF FCY 6.(4).827(1975).
$^{197}\text{Au}(\alpha, \text{total}) \text{ partial } \sigma(E)$					
8707	TAM Exth J ZP/A 281	255	77	8.0+1	Block+ CURV. SUM OF FISSIONING NUCLEI.
$^{197}\text{Au}(\alpha, x)n \text{ thick target yield}$					
8708	HAR Expt P UKNDC-P-86	17	877	2.0+0	7.5+0 West+ NDG.
	Expt P AERE-PR/NP	24	577	2.0+0	7.5+0 West+ NDG. P. 24
$^{197}\text{Au}(\alpha, x)n \sigma(E)$					
8709	BON Expt J NP/A 168	129	71	1.9+1	1.0+2 Kurz+ CURV. SUM OF SIGMA FOR 1-8 N EMM.
$^{197}\text{Au}(\alpha, x)^3\text{H} \text{ thick target yield}$					
8710	BRK Expt J PR	120	1354	60	4.8+1 Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107	1311	57	4.8+1 . SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.035	078	4.8+1		. (8.63+-10PERCENT)MB.
8711	KFK Comp B PH-DAT	15	2	079	4.8+1 Muenzel+ TBL. FROM EXFOR.
$^{197}\text{Au}(\alpha, x)^3\text{H} \text{ product yield}$					
8712	KFK Expt J NP/A 333	173	180	2.0+1	5.0+1 Merkel+ TBL. T PER A. STOPPED ALL T.
8713	BRK Expt J PR	120	1354	60	4.8+1 Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107	1311	57	4.8+1 . SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.035	078	4.8+1		. (1.28E-5+-10PERCENT)T/INCIDENT A.
8714	KFK Comp B PH-DAT	15	2	079	4.8+1 Muenzel+ TBL. FROM EXFOR.
$^{197}\text{Au}(\alpha, x)^3\text{H} \text{ average } \sigma(E)$					
8715	KFK Expt J NP/A 333	173	180	2.1+1	5.0+1 Merkel+ TBL. 4 ENERGY GROUPS.
	Expt P NEANDC(E)-1925	478	1.2+1	5.0+1	Merkel+ CURV. FRM TTY P 68.
$^{197}\text{Au}(\alpha, x)^3\text{H} \sigma(E)$					
8716	KFK Expt J NP/A 333	173	180	3.0+1	5.0+1 Merkel+ CURV. THEORY CFD MEAN SIGMA.
$^{197}\text{Au}(\alpha, \text{fission})^{84}\text{Rb} \sigma(E)$					
8717	JUL Expt P JUEL-1974	49	74	9.5+1	1.6+2 Probst+ CURV. STACKED FOILS.
$^{197}\text{Au}(\alpha, \text{fission})^{86}\text{Rb} \sigma(E)$					
8718	JUL Expt P JUEL-1974	49	74	9.5+1	1.6+2 Probst+ CURV. STACKED FOILS.
$^{197}\text{Au}(\alpha, \text{fission})^{95}\text{Zr} \text{ cumulative } \sigma(E)$					
8719	JUL Expt P JUEL-SPEZ-3618	479	6.5+1	1.5+2	Sahakundu+ CURV.
	Expt P JUEL-1976	25	76	6.5+1	1.6+2 Jahn. CURV. A=95. STACKED FOILS.
	Expt P JUEL-1974	49	74	6.5+1	1.6+2 Probst+ CURV. STACKED FOILS.
$^{197}\text{Au}(\alpha, \text{fission})^{95}\text{Nb} \text{ independent } \sigma(E)$					
8720	JUL Expt P JUEL-SPEZ-3618	479	6.5+1	1.5+2	Sahakundu+ CURV.
	Expt P JUEL-1974	49	74	6.5+1	1.6+2 Probst+ CURV. STACKED FOILS.
$^{197}\text{Au}(\alpha, \text{fission})^{103}\text{Ru} \sigma(E)$					
8721	JUL Expt P JUEL-1974	49	74	6.5+1	1.6+2 Probst+ CURV. STACKED FOILS.
$^{197}\text{Au}(\alpha, \text{fission})^{110}\text{Ag} \sigma(E)$					
8722	JUL Expt P JUEL-1974	49	74	9.0+1	1.6+2 Probst+ CURV. STACKED FOILS.
$^{197}\text{Au}(\alpha, 3n+\alpha)^{194}\text{Au} \sigma(E)$					
8723	KFK Comp B PH-DAT	15	2	079	5.1+1 9.9+1 Muenzel+ TBL. FROM EXFOR.
8724	ROC Expt J NP/A 142	545	70	5.1+1	9.9+1 Lanzafame+ TBL. CURV. STCKD. FOILS.
	Expt 4 EXFORB0042.010	77	5.1+1	9.9+1	. 50 DATA POINTS.
$^{197}\text{Au}(\alpha, x)^{195}\text{Au} \text{ cumulative } \sigma(E)$					
8725	KFK Comp B PH-DAT	15	2	079	3.9+1 9.5+1 Muenzel+ TBL. FROM EXFOR.
8726	ROC Expt J NP/A 142	545	70	3.9+1	9.5+1 Lanzafame+ TBL. CURV. STCKD. FOILS.
	Expt 4 EXFORB0042.009	77	3.9+1	9.5+1	. 65 DATA POINTS.
$^{197}\text{Au}(\alpha, n+\alpha)^{196}\text{Au} \text{ including metastable? } \sigma(E)$					
8727	KFK Comp B PH-DAT	15	2	079	2.5+1 9.9+1 Muenzel+ TBL. FROM EXFOR.
8728	ROC Expt J NP/A 142	545	70	2.5+1	9.9+1 Lanzafame+ TBL. CURV. STCKD. FOILS.
	Expt 4 EXFORB0042.008	77	2.5+1	9.9+1	. 99PTS. INCL. OF ISOMER ASSUMED BY COMP

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		¹⁹⁷ Au(α,scattering) ¹⁹⁷ Au partial spectrum average σ(E)			
8729	MUJ Expt W ANNUAL RPT	97 74	2.3+1	2.7+1	Eberhard+ CURV. INTAN(140-180).
		¹⁹⁷ Au(α,inelastic) ¹⁹⁷ Au partial raw thick target yield,			
8730	SUN Expt J JRC	50 307	79 5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
		¹⁹⁷ Au(α,n+2p) ¹⁹⁸ Au including metastable? σ(E)			
8731	KFK Comp B PH-DAT	15 2 079	3.7+1	9.5+1	Muenzel+ TBL. FROM EXFOR.
8732	ROC Expt J NP/A 142	545 70	3.7+1	9.5+1	Lanzafame+ TBL. CURV. STCKD. FOILS.
	Expt 4 EXFORB0042.011	77 3.7+1	9.5+1		. 48 PTS. NOTE META. ST UNK. IN 1970
		¹⁹⁷ Au(α,2p) ¹⁹⁹ Au σ(E)			
8733	TOK Expt P A-INS-78	62 79	4.0+1	1.1+2	Hashimoto+ CURV. STACKED FOILS.
		¹⁹⁷ Au(α,5n+p) ¹⁹⁵ Hg σ(E)			
8734	ROC Expt J NP/A 142	545 70	4.2+1	8.4+1	Lanzafame+ TBL. CURV. STCKD. FOILS.
	Expt 4 EXFORB0042.013	77 5.7+1	8.4+1		. 39 DATA POINTS.
8735	KFK Comp B PH-DAT	15 2 079	5.7+1	8.4+1	Muenzel+ TBL. FROM EXFOR.
		¹⁹⁷ Au(α,3n+p) ¹⁹⁷ Hg σ(E)			
8736	ROC Expt J NP/A 142	545 70	3.8+1	7.7+1	Lanzafame+ TBL. CURV. STCKD. FOILS.
	Expt 4 EXFORB0042.012	77 4.2+1	7.7+1		. 24 DATA POINTS.
8737	BON Expt J NP/A 168	129 71	3.9+1	8.6+1	Kurz+TBL.CURV.STCK FOIL/ACT. T1/2=23.8H
	Exth T JASPER	69 3.9+1	8.6+1		. MORE DETAILS. ADDITIONAL DATA.
	Expt 4 EXFORB0002.005	076 3.9+1	8.6+1		. 8 DATA POINTS.
8738	KFK Comp B PH-DAT	15 2 079	4.2+1	7.7+1	Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT	15 1 079	3.9+1	8.6+1	Muenzel+ TBL. FROM EXFOR.
		¹⁹⁷ Au(α,t) ¹⁹⁸ Hg σ(E)			
8739	BRK Expt J PR	120 1354	60 TR	4.8+1	Gonzalez-Vidal+CURV.STCKD FOILS APP SIG
	Expt J PR	107 1311	57 TR	4.8+1	. EXPERIMENTAL DETAILS+PRELIM. DATA
		¹⁹⁷ Au(α,t) ¹⁹⁸ Hg independent relative σ(E)			
8740	KAZ Expt J IZV	40 181	76 5.1+1		Burlebaev+ E(T)=0-12MEV. ARB. UN.=4.4
	Expt J BAS	40 152	76 5.1+1		. TRANSLATION OF IZV 40.181(76).
		¹⁹⁷ Au(α,d) ¹⁹⁹ Hg independent relative σ(E)			
8741	KAZ Expt J IZV	40 181	76 5.1+1		Burlebaev+ E(D)=0-16MEV. ARB. UN.=1.6
	Expt J BAS	40 152	76 5.1+1		. TRANSLATION OF IZV 40.181(76).
		¹⁹⁷ Au(α,p) ²⁰⁰ Hg independent relative σ(E)			
8742	KAZ Expt J IZV	40 181	76 5.1+1		Burlebaev+ E(P)=10-27MEV. ARB. UN.=1.0
	Expt J BAS	40 152	76 5.1+1		. TRANSLATION OF IZV 40.181(76).
		¹⁹⁷ Au(α,8n) ¹⁹³ Tl including metastable σ(E)			
8743	KFK Comp B PH-DAT	15 1 079	8.8+1	1.0+2	Muenzel+ TBL. FROM EXFOR.
8744	BON Expt J NP/A 168	129 71	8.8+1	1.0+2	Kurz+ TBL. CURV. STACKED FOIL/ACTIV.
	Exth T JASPER	69 8.8+1	1.0+2		. MORE DETAILS.
	Expt 4 EXFORB0002.010	076 8.8+1	1.0+2		. 6 DATA POINTS.
		¹⁹⁷ Au(α,7n) ¹⁹⁴ Tl σ(E)			
8745	KFK Comp B PH-DAT	15 1 079	7.4+1	1.0+2	Muenzel+ TBL. FROM EXFOR.
8746	BON Expt J NP/A 168	129 71	7.4+1	1.0+2	Kurz+ TBL. CURV. STACKED FOIL/ACTIV.
	Exth T JASPER	69 7.4+1	1.0+2		. MORE DETAILS. ADDITIONAL DATA.
	Expt 4 EXFORB0002.009	076 7.4+1	1.0+2		. 10 DATA POINTS.
		¹⁹⁷ Au(α,6n) ¹⁹⁵ Tl including metastable σ(E)			
8747	BON Expt J NP/A 168	129 71	6.0+1	8.6+1	Kurz+ TBL. CURV. STACKED FOIL/ACTIV.
	Exth T JASPER	69 6.0+1	8.6+1		. MORE DETAILS.
	Expt 4 EXFORB0002.008	076 6.0+1	8.6+1		. 10 DATA POINTS.
8748	KFK Comp B PH-DAT	15 2 079	6.5+1	7.7+1	Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT	15 1 079	6.0+1	8.6+1	Muenzel+ TBL. FROM EXFOR.
8749	ROC Expt J NP/A 142	545 70	6.5+1	7.7+1	Lanzafame+ TBL. CURV. STCKD. FOILS.
	Expt 4 EXFORB0042.007	77 6.5+1	7.7+1		. 8 PTS.COMP. ADDED 100X IT TO DCY DATA
		¹⁹⁷ Au(α,6n) ¹⁹⁵ Tl relative I _γ			
8750	JUL Expt J NP/A 299	255 478	7.6+1		Lieder+TBL. 42GS. ALSO A2,A4 + TOT. INT
		¹⁹⁷ Au(α,5n) ¹⁹⁶ Tl relative I _γ			
8751	MUN Expt J NP/A 308	147 078	5.5+1	6.5+1	Kreiner+ TBL. AT 65 MEV. 34 GS.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{197}\text{Au}(\alpha,5n)^{196}\text{gTl}$ $\sigma(E)$					
8752	KFK Comp B PH-DAT 15	1	079	4.6+1	8.6+1 Muenzel+ TBL. FROM EXFOR.
8753	BON Expt J NP/A 168	129	71	4.6+1	8.6+1 Kurz+TBL.CURV. STCK FOIL/ACT. T1/2=1.8H
	Exth T JASPER		69	4.6+1	8.6+1 . MORE DETAILS. ADDITIONAL DATA.
	Expt 4 EXFORB0002.007	076	4.6+1	8.6+1	. 13 DATA POINTS.
$^{197}\text{Au}(\alpha,5n)^{196}\text{gTl}$ $\sigma(E)$					
8754	BON Exth J NP/A 168	129	71	4.6+1	8.6+1 Kurz+TBL.CURV. STCK FOIL/ACT. T1/2=1.4H
	Exth T JASPER		69	4.6+1	8.6+1 . MORE DETAILS. ADDITIONAL DATA.
	Exth 4 EXFORB0002.007	076	4.6+1	8.6+1	. 13 DATA POINTS.
8755	KFK Comp B PH-DAT 15	2	079	4.7+1	7.7+1 Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT 15	1	079	4.6+1	8.6+1 Muenzel+ TBL. FROM EXFOR.
8756	ROC Expt J NP/A 142	545	70	4.7+1	7.7+1 Lanzafame+ TBL. CURV. STCKD. FOILS.
	Expt 4 EXFORB0042.006	77	4.7+1	7.7+1	. 23 POINTS. COMP. NOTE TL-196-M ONLY.
$^{197}\text{Au}(\alpha,5n)^{196}\text{gTl}$ summation $\sigma(E)$					
8757	KFK Comp B PH-DAT 15	1	079	4.6+1	8.6+1 Muenzel+ TBL. FROM EXFOR.
8758	BON Expt J NP/A 168	129	71	4.6+1	8.6+1 Kurz+ TBL. CURV. DEDUCED.
	Exth T JASPER		69	4.6+1	8.6+1 . MORE DETAILS. ADDITIONAL DATA.
	Expt 4 EXFORB0002.007	076	4.6+1	8.6+1	. 13 DATA POINTS.
$^{197}\text{Au}(\alpha,4n)^{197}\text{Tl}$ $\sigma(E)$					
8759	KFK Comp B PH-DAT 15	2	079	4.0+1	7.7+1 Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT 15	1	079	4.0+1	7.7+1 Muenzel+ TBL. FROM EXFOR.
8760	ROC Expt J NP/A 142	545	70	4.0+1	7.7+1 Lanzafame+ TBL. CURV. STCKD. FOILS.
	Expt 4 EXFORB0042.005	77	4.0+1	7.7+1	. 26 DATA POINTS.
8761	BON Expt J NP/A 168	129	71	4.0+1	7.7+1 Kurz+ TBL. CURV. STACKED FOIL/ACTIV.
	Expt T JASPER		69	4.0+1	7.7+1 . MORE DETAILS.
	Expt 4 EXFORB0002.006	076	4.0+1	7.7+1	. 13 DATA POINTS.
$^{197}\text{Au}(\alpha,4n)^{197}\text{Tl}$ relative I_γ					
8762	JUL Expt J NP/A 299	255	478	5.0+1	Liéder+TBL. 39GS. ALSO A2,A4 + TOT. INT
$^{197}\text{Au}(\alpha,3n)^{198}\text{Tl}$ product yield					
8763	CIN Expt J NP/A 282	243	477	3.0+1	5.5+1 Kreiner+ NDG. PEAKS AT 35 MEV.
$^{197}\text{Au}(\alpha,3n)^{198}\text{Tl}$ partial $\sigma(E)$					
8764	JUL Expt J NP/A 282	243	477	3.5+1	Kreiner+ TBL. INTAD. 42 GAMMAS.
$^{197}\text{Au}(\alpha,3n)^{198}\text{gTl}$ $\sigma(E)$					
8765	TOK Expt J ARI 30	669	79	2.7+1	4.0+1 Nagame+ CURV. STACKED FOILS.
8766	KFK Comp B PH-DAT 15	1	079	3.0+1	6.2+1 Muenzel+ TBL. FROM EXFOR.
8767	BON Exth J NP/A 168	129	71	3.0+1	6.2+1 Kurz+TBL.CURV. STCK FOIL/ACT. T1/2=1.9H
	Exth T JASPER		69	3.0+1	6.2+1 . MORE DETAILS. ADDITIONAL DATA.
	Exth 4 EXFORB0002.004	076	3.0+1	6.2+1	. 8 DATA POINTS.
$^{197}\text{Au}(\alpha,3n)^{198}\text{gTl}$ thick target yield					
8768	TOK Expt J ARI 30	669	79	2.7+1	4.0+1 Nagame+ CURV. FROM SIG(E).
$^{197}\text{Au}(\alpha,3n)^{198}\text{gTl}$ thick target yield=factor					
8769	TOK Expt J ARI 30	669	79	2.7+1	4.0+1 Nagame+ CURV. 198MTL/199TL RATIO.
$^{197}\text{Au}(\alpha,3n)^{198}\text{gTl}$ $\sigma(E)$					
8770	TOK Expt J ARI 30	669	79	2.7+1	4.0+1 Nagame+ CURV. STACKED FOILS.
8771	BON Exth J NP/A 168	129	71	3.0+1	6.2+1 Kurz+TBL.CURV. STCK FOIL/ACT. T1/2=1.9H
	Exth T JASPER		69	3.0+1	6.2+1 . MORE DETAILS. ADDITIONAL DATA.
	Exth 4 EXFORB0002.004	076	3.0+1	6.2+1	. 8 DATA POINTS.
8772	KFK Comp B PH-DAT 15	2	079	3.2+1	6.2+1 Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT 15	1	079	3.0+1	6.2+1 Muenzel+ TBL. FROM EXFOR.
8773	ROC Expt J NP/A 142	545	70	3.2+1	6.2+1 Lanzafame+ TBL. CURV. STCKD. FOILS.
	Expt 4 EXFORB0042.004	77	3.2+1	6.2+1	. 20 DATA POINTS.
$^{197}\text{Au}(\alpha,3n)^{198}\text{gTl}$ thick target yield					
8774	TOK Expt J ARI 30	669	79	2.7+1	4.0+1 Nagame+ CURV. FROM SIG(E).
$^{197}\text{Au}(\alpha,3n)^{198}\text{gTl}$ thick target yield=factor					
8775	TOK Expt J ARI 30	669	79	2.7+1	4.0+1 Nagame+ CURV. 198MTL/199TL RATIO.
$^{197}\text{Au}(\alpha,3n)^{198}\text{gTl}$ summation $\sigma(E)$					
8776	KFK Comp B PH-DAT 15	2	079	2.7+1	7.7+1 Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT 15	1	079	3.0+1	6.2+1 Muenzel+ TBL. FROM EXFOR.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
¹⁹⁷ Au(α,3n) ^{198m} Tl summation σ(E)					
8777	ROC Expt J NP/A 142	545	70	2.7+1	7.7+1 Lanzafame+ TBL. CURV. STCKD. FOILS.
	Expt 4 EXFORB00042.004		77	2.7+1	7.7+1 . 64 DATA POINTS.
8778	BON Expt J NP/A 168	129	71	3.0+1	6.2+1 Kurz+ TBL. CURV. DEDUCED.
	Exth T JASPER		69	3.0+1	6.2+1 . MORE DETAILS. ADDITIONAL DATA.
	Expt 4 EXFORB00002.004	076	3.0+1	6.2+1	. 8 DATA POINTS.
¹⁹⁷ Au(α,2n) ¹⁹⁹ Tl σ(E)					
8779	KFK Comp B PH-DAT 15	2	079	1.9+1	5.7+1 Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT 15	1	079	1.9+1	5.2+1 Muenzel+ TBL. FROM EXFOR.
8780	ROC Expt J NP/A 142	545	70	1.9+1	5.7+1 Lanzafame+ TBL. CURV. STCKD. FOILS.
	Expt 4 EXFORB00042.003		77	1.9+1	5.7+1 . 48 DATA POINTS.
8781	BON Expt J NP/A 168	129	71	1.9+1	5.2+1 Kurz+ TBL. CURV. STACKED FOIL/ACTIV.
	Expt T JASPER		69	1.9+1	5.2+1 . MORE DETAILS.
	Expt 4 EXFORB00002.003	076	1.9+1	5.2+1	. 15 DATA POINTS.
8782	TOK Expt J ARI 30	669	79	1.9+1	4.0+1 Nagume+ CURV. STACKED FOILS.
¹⁹⁷ Au(α,2n) ¹⁹⁹ Tl product yield					
8783	CIN Expt J NP/A 282	243	477	3.0+1	5.5+1 Kreiner+ NDG.
¹⁹⁷ Au(α,2n) ¹⁹⁹ Tl thick target yield					
8784	TOK Expt J ARI 30	669	79	2.0+1	4.0+1 Nagume+ CURV. FROM SIG(E).
¹⁹⁷ Au(α,2n) ¹⁹⁹ Tl thick target yield×factor					
8785	TOK Expt J ARI 30	669	79	2.0+1	4.0+1 Nagume+ CURV. 198G,198M,200TL/199TL RAT
¹⁹⁷ Au(α,n) ²⁰⁰ Tl product yield					
8786	CIN Expt J NP/A 282	243	477	3.0+1	5.5+1 Kreiner+ NDG.
¹⁹⁷ Au(α,n) ²⁰⁰ Tl σ(E)					
8787	BON Expt J NP/A 168	129	71	1.6+1	4.3+1 Kurz+ TBL. CURV. STACKED FOIL/ACTIV.
	Expt T JASPER		69	1.6+1	4.3+1 . MORE DETAILS.
	Expt 4 EXFORB00002.002	076	1.6+1	4.3+1	. 10 DATA POINTS.
8788	KFK Comp B PH-DAT 15	2	079	1.9+1	9.4+1 Muenzel+ TBL. FROM EXFOR.
	Comp B PH-DAT 15	1	079	1.6+1	4.3+1 Muenzel+ TBL. FROM EXFOR.
8789	ROC Expt J NP/A 142	545	70	1.9+1	9.4+1 Lanzafame+ TBL. CURV. STCKD. FOILS.
	Expt 4 EXFORB00042.002		77	1.9+1	9.4+1 . 73 DATA POINTS.
8790	TOK Expt J ARI 30	669	79	1.9+1	3.0+1 Nagume+ CURV. STACKED FOILS.
¹⁹⁷ Au(α,n) ²⁰⁰ Tl thick target yield					
8791	TOK Expt J ARI 30	669	79	1.9+1	3.5+1 Nagume+ CURV. FROM SIG(E).
¹⁹⁷ Au(α,n) ²⁰⁰ Tl thick target yield×factor					
8792	TOK Expt J ARI 30	669	79	2.0+1	4.0+1 Nagume+ CURV. 200TL/199TL RATIO.
¹⁹⁷ Au(α,fission)mass distribution fission yield					
8793	PAR Theo J JPRL 40	318	779	4.2+1	Da-Silveira. CURV. CATASTROPY CFD EXPT
¹⁹⁷ Au(α,fission)mass distribution product yield					
8794	SFU Expt A DA/B 37	6119	677	8.0+1	1.7+2 Blok. NDG. MICA TRACK DETECTORS.
¹⁹⁷ Au(α,x)isotopic distribution σ(E)					
8795	TAM Exth J ZP/A 281	255	77	8.0+1	Blok+ TBL. YLD EACH NUCLEUS IN DEEX CH
¹⁹⁷ Au(α,xn)isotopic distribution σ(E)					
8796	KFK Exth J NP/A 168	129	71	TR	1.0+2 Kurz+ TBL. CURV. FOILS. STAT. MODEL.
¹⁹⁸ Hg(α,fission) σ(E)					
8797	WHS Expt J JIN 38	2153	76	4.1+1	6.5+1 Neuzil. TBL. DEDUCED FROM FRAGMENT YLD.
¹⁹⁸ Hg(α,fission)n prompt ν					
8798	WHS Expt J JIN 38	2153	76	4.1+1	6.5+1 Neuzil. APP. 0(41MEV) + 1(65MEV) N/FISS
¹⁹⁸ Hg(α,inelastic) ¹⁹⁸ Hg partial raw thick target yield,abundance					
8799	SUN Expt J JRC 50	307	79	5.0+0	Giles+ TBL. SURVY OF PROMPT GS.
¹⁹⁸ Hg(α,fission)mass distribution σ(E)					
8800	WHS Expt J JIN 38	2153	76	4.1+1	6.5+1 Neuzil. CURV. A=85-115.
¹⁹⁸ Hg(α,fission)isotopic distribution σ(E)					
8801	WHS Expt J JIN 38	2153	76	4.1+1	6.5+1 Neuzil. TBL. A=91-113. Z=38-47.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
¹⁹⁹ Hg(α,fission) σ(E)				
8802 WWS Expt J JIN	38 2153	76 4.1+1	6.5+1	Neuzil. TBL. DEDUCED FROM FRAGMENT YLD.
¹⁹⁹ Hg(α,fission)n prompt ν				
8803 WWS Expt J JIN	38 2153	76 4.1+1	6.5+1	Neuzil. APP. 1(41MEV) + 0(65MEV) N/FISS
¹⁹⁹ Hg(α,inelastic) ¹⁹⁹ Hg partial raw thick target yield×abundance				
8804 SUN Expt J JRC	50 307	79 5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
¹⁹⁹ Hg(α,fission)mass distribution σ(E)				
8805 WWS Expt J JIN	38 2153	76 4.1+1	6.5+1	Neuzil. CURV. A=85-115.
¹⁹⁹ Hg(α,fission)isotopic distribution σ(E)				
8806 WWS Expt J JIN	38 2153	76 4.1+1	6.5+1	Neuzil. TBL. A=91-113.Z=38-47.9 ISOTOPE
²⁰⁰ Hg(α,fission) σ(E)				
8807 WWS Expt J JIN	38 2153	76 4.1+1		Neuzil. TBL. DEDUCED FROM FRAGMENT YLD.
²⁰⁰ Hg(α,fission)n prompt ν				
8808 WWS Expt J JIN	38 2153	76 4.1+1		Neuzil. APP. 0 NEUTRON PER FISSION.
²⁰⁰ Hg(α,inelastic) ²⁰⁰ Hg partial raw thick target yield×abundance				
8809 SUN Expt J JRC	50 307	79 5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
²⁰⁰ Hg(α,fission)mass distribution σ(E)				
8810 WWS Expt J JIN	38 2153	76 4.1+1		Neuzil. CURV. A=85-115.
²⁰⁰ Hg(α,fission)isotopic distribution σ(E)				
8811 WWS Expt J JIN	38 2153	76 4.1+1		Neuzil. TBL. A=91-113.Z=38-47.9 ISOTOPE
²⁰¹ Hg(α,fission) σ(E)				
8812 WWS Expt J JIN	38 2153	76 4.1+1		Neuzil. TBL. DEDUCED FROM FRAGMENT YLD.
²⁰¹ Hg(α,fission)n prompt ν				
8813 WWS Expt J JIN	38 2153	76 4.1+1		Neuzil. APP. 1 NEUTRON PER FISSION.
²⁰¹ Hg(α,fission)mass distribution σ(E)				
8814 WWS Expt J JIN	38 2153	76 4.1+1		Neuzil. CURV. A=85-115.
²⁰¹ Hg(α,fission)isotopic distribution σ(E)				
8815 WWS Expt J JIN	38 2153	76 4.1+1		Neuzil. TBL. A=91-113.Z=38-47.9 ISOTOPE
²⁰² Hg(α,fission) σ(E)				
8816 WWS Expt J JIN	38 2153	76 4.1+1		Neuzil. TBL. DEDUCED FROM FRAGMENT YLD.
²⁰² Hg(α,fission)n prompt ν				
8817 WWS Expt J JIN	38 2153	76 4.1+1		Neuzil. APP. 0 NEUTRON PER FISSION.
²⁰² Hg(α,inelastic) ²⁰² Hg partial raw thick target yield×abundance				
8818 SUN Expt J JRC	50 307	79 5.0+0		Giles+ TBL. SURVEY OF PROMPT GS.
²⁰² Hg(α,3n) ²⁰³ Pb relative I _γ				
8819 MSU Expt J PR/C	16 2159	077 3.8+1		Saha+ TBL. 15 GAMMAS AT 125 DEG.
²⁰² Hg(α,3n) ²⁰³ Pb relative I _γ				
8820 MSU Expt J PR/C	16 2159	077 3.8+1		Saha+TBL.T1/2=0.48 SEC.14 GAMMAS AT 125
²⁰² Hg(α,fission)mass distribution σ(E)				
8821 WWS Expt J JIN	38 2153	76 4.1+1		Neuzil. CURV. A=85-115.
²⁰² Hg(α,fission)isotopic distribution σ(E)				
8822 WWS Expt J JIN	38 2153	76 4.1+1		Neuzil. TBL. A=91-113.Z=38-47.9 ISOTOPE
²⁰⁴ Hg(α,fission) σ(E)				
8823 WWS Expt J JIN	38 2153	76 4.1+1		Neuzil. TBL. DEDUCED FROM FRAGMENT YLD.
²⁰⁴ Hg(α,fission)n prompt ν				
8824 WWS Expt J JIN	38 2153	76 4.1+1		Neuzil. APP. 0 NEUTRON PER FISSION.
²⁰⁴ Hg(α,5n) ²⁰³ Pb relative I _γ				
8825 IPS Expt J ZP/A	284 217	78 4.2+1	5.1+1	Linden+ CURV. 99.7% THETA=125DEG.825.3G

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		²⁰⁴ Hg(α,5n) ²⁰³ Pb relative I _γ			
8825	IPS Expt J ZP/A	280 51 77	4.5+1	5.5+1	Linden. CURV. 9 G'S. 84PER CENT HG204.
		²⁰⁴ Hg(α,4n) ²⁰⁴ Pb relative I _γ			
8826	IPS Expt J ZP/A	284 217 78	4.2+1	5.1+1	Linden+ CURV. 99.7% THETA=125DEG. 16GS.
	Expt J ZP/A	284 217 78	4.8+1		Linden+ TBL. ST. 17GS. LEG COEF.99.7PRC
	Expt J ZP/A	284 217 78	4.8+1	5.1+1	Linden+ TBL. 99.7% 16 K CE. 4 L CE.
		²⁰⁴ Hg(α,3n) ²⁰⁵ Pb relative I _γ			
8827	IPS Expt J ZP/A	284 217 78	4.2+1	5.1+1	Linden+CURV. 99.7% THETA=125DEG.1147.4G
		²⁰⁴ Hg(α,fission)mass distribution σ(E)			
8828	WHS Expt J JIN	38 2153 76	4.1+1		Neuzil. CURV. A=85-115.
		²⁰⁴ Hg(α,fission)isotopic distribution σ(E)			
8829	WHS Expt J JIN	38 2153 76	4.1+1		Neuzil. TBL. A=91-113.Z=38-47.9 ISOTOPE
		²⁰³ Ti(α,fission) σ(E)xfactor			
8830	KAZ Expt J YF	21 1185 675	2.9+1	4.9+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21 612 76	2.9+1	4.9+1	. TRANSLATION OF YF 21(6),1185(76).
		²⁰³ Ti(α,4n) ²⁰³ Bi relative I _γ			
8831	BON Expt J NP/A	294 177 178	4.6+1	5.5+1	Hubel+ TBL. 21 SGAMMAS.
		²⁰³ Ti(α,3n) ²⁰⁴ Bi partial product yield			
8832	IPS Expt P A-IPS-79	101 79			Lonroth+ NDG. ALSO SIG(THETA). HIGH-SPI
		²⁰⁵ Ti(α,fission) σ(E)xfactor			
8833	KAZ Expt J YF	21 1185 675	2.9+1	4.9+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21 612 76	2.9+1	4.9+1	. TRANSLATION OF YF 21(6),1185(76)..
		²⁰⁵ Ti(α,5n) ²⁰⁴ Bi partial product yield			
8834	IPS Expt P A-IPS-79	101 79			Lonroth+ NDG. ALSO SIG(THETA). HIGH-SPI
		²⁰⁵ Ti(α,4n) ²⁰⁵ Bi relative I _γ			
8835	IPS Expt J ZP/A	287 307 78	3.5+1	5.1+1	Lonroth+ CURV. EG=796KEV.
8836	BON Expt J NP/A	294 177 178	4.6+1	5.5+1	Hubel+ NDG.
		²⁰⁵ Ti(α,3n) ²⁰⁶ Bi relative I _γ			
8837	IPS Expt J ZP/A	287 307 78	3.5+1	5.1+1	Lonroth+ CURV. 11 GAMMAS.
		²⁰⁵ Ti(α,3n) ²⁰⁶ Bi partial σ(E)			
8838	IPS Expt J ZP/A	287 307 78	3.5+1	4.3+1	Lonroth+ CURV. OPT. MOD. FUNC. OF J.
		²⁰⁵ Ti(α,2n) ²⁰⁷ Bi relative I _γ			
8839	UST Expt J PS	18 172 78	3.0+1	4.3+1	Lonroth. NDG. MEAS. GS AND CES.
	Expt J PS	18 172 78	3.3+1		Lonroth. TBL. 15 GS ,10CES. ALSO A2,A4
8840	IPS Expt J ZP/A	287 307 78	3.5+1	5.1+1	Lonroth+ CURV. EG=669.5KEV.
		Pb(α,scattering) partial spectrum average σ(E)			
8841	MUJ Expt W ANNUAL RPT	97 74 2.3+1	2.7+1		Eberhard+ CURV. INTAD(140-180).
		Pb(α,total) σ(E)			
8842	IJI Rev J FCY	6 827 75	2.3+1	4.0+1	Nemets+ TBL.
	Rev J SJPN	6 325 76	2.3+1	4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).
		Pb(α,x)γ raw thick target yield			
8843	SUN Expt J JRC	50 307 79	5.0+0		Giles+ NO PROMPT GS.
		Pb(α,x)γ thick target yield			
8844	CCP Expt R YK- 21	73 76	4.6+1		Matusevich+ CURV. TBL. THETA = 0 DEG.
	Expt R INDC(CCP)-103	577 4.6+1			.TRANSLATION OF T. OF C.(YK 21,73(1976)
		Pb(α,x) ³ H thick target yield			
8845	BRK Expt J PR	120 1354 60	4.8+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J PR	107 1311 57	4.8+1		. SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.036	D78 4.8+1			. (8.18+-10PERCENT)MB.
8846	KFK Comp B PH-DAT	15 2 D79	4.8+1		Muenzel+ TBL. FROM EXFOR.
		Pb(α,x) ³ H product yield			
8847	BRK Expt J PR	120 1354 60	4.8+1		Gonzalez-Vidal+ TBL. FROM STACKED FOILS

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Pb(α,x)³H product yield					
8847	BRK Expt J PR	107 1311 57 4.8+1			. SOME EXPERIMENTAL DETAILS.
	Expt 4 EXFORB0080.036	D78 4.8+1			. (1.12E-5+-10PERCENT)T/INCIDENT A.
8848	KFK Comp B PH-DAT	15 2 D79 4.8+1			Muenzel+ TBL. FROM EXFOR.
Pb(α,fission)⁸⁴Br ratio σ(E)					
8849	HAR Expt P NEANDC(E)-2028	479 4.9+1 8.0+1			Cunningham+ CURV. RADIOCHEM. P 79.
	Expt P UKNDC-P-94	79 479 4.9+1 8.0+1			. SAME AS NEANDC(E)-202. VOL. 8.
	Expt P INDC(UK)-31	79 479 4.9+1 8.0+1			. SAME AS NEANDC(E)-202. VOL. 8.
Pb(α,fission)¹²⁸Sb ratio σ(E)					
8850	HAR Expt P NEANDC(E)-2028	479 5.0+1 8.0+1			Cunningham+ CURV. RADIOCHEM. P 79.
	Expt P UKNDC-P-94	79 479 5.0+1 8.0+1			. SAME AS NEANDC(E)-202. VOL. 8.
	Expt P INDC(UK)-31	79 479 5.0+1 8.0+1			. SAME AS NEANDC(E)-202. VOL. 8.
²⁰⁴Pb(α,fission) σ(E)					
8851	HAR Expt P NEANDC(E)-2028	479 NDG			Cunningham+ NDG. STUDY OF ²⁰⁸ Pb FISSION.
²⁰⁴Pb(α,fission) σ(E)=factor					
8852	KAZ Expt J YF	21 1185 675 2.0+1 4.2+1			Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21 612 76 2.0+1 4.2+1			. TRANSLATION OF YF 21(6),1185(76).
²⁰⁴Pb(α,fission)⁸²Br ratio σ(E)					
8853	HAR Expt P UKNDC-P-88	92 678 NDG			Goodall+ NDG. PO208* FISSION.
²⁰⁴Pb(α,fission)⁸³Br ratio σ(E)					
8854	HAR Expt P UKNDC-P-88	92 678 NDG			Goodall+ NDG. PO208* FISSION.
²⁰⁴Pb(α,fission)¹²⁰Sb ratio σ(E)					
8855	HAR Expt P UKNDC-P-88	92 678 NDG			Goodall+ NDG. PO208* FISSION.
²⁰⁴Pb(α,fission)¹²⁶Sb ratio σ(E)					
8856	HAR Expt P UKNDC-P-88	92 678 NDG			Goodall+ NDG. PO208* FISSION.
²⁰⁴Pb(α,fission)¹²⁸Sb ratio σ(E)					
8857	HAR Expt P UKNDC-P-88	92 678 NDG			Goodall+ NDG. PO208* FISSION.
²⁰⁴Pb(α,elastic)²⁰⁴Pb σ(E)					
8858	HAR Expt P NEANDC(E)-2028	479 NDG			Cunningham+ NDG. STUDY OF ²⁰⁸ Pb FISSION.
²⁰⁴Pb(α,6n)²⁰²Po partial σ(E)					
8859	HAR Expt P UKNDC-P-88	95 678 7.0+1 8.0+1			Cunningham+ CURV. 2 TO 0 TRANSITION.
²⁰⁴Pb(α,4n)²⁰⁴Po partial σ(E)					
8860	HAR Expt P UKNDC-P-88	95 678 5.0+1 7.0+1			Cunningham+ CURV. 2 TO 0 TRANSITION.
²⁰⁴Pb(α,fission)mass distribution relative σ(E)					
8861	HAR Expt P UKNDC-P-88	93 678 NDG			Goodall+ NDG. WORK COMPLETED.
²⁰⁶Pb(α,fission) σ(E)=factor					
8862	KAZ Expt J YF	21 1185 675 2.0+1 4.2+1			Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21 612 76 2.0+1 4.2+1			. TRANSLATION OF YF 21(6),1185(76).
²⁰⁶Pb(α,absorption) σ(E)					
8863	FSU Exth J PR/C	16 1767 N77 2.4+1			Wojciechowski+ TBL. ELAS-RUTH METHOD.
	Theo J PL/B	63 413 76 2.4+1			Wojciechowski+ (415+-60)MB
²⁰⁶Pb(α,2n)²⁰⁸Po σ(E)=factor					
8864	COL Revv C 71ALBANY	505 71 1.5+1 1.7+1			Miller. CURV. (A,2N)/((A,2N)+(A,N))
²⁰⁶Pb(α,xn)charge distribution partial σ(E)=factor					
8865	COL Revv C 71ALBANY	505 71 1.5+1 1.7+1			Miller. CURV. (A,2N)/((A,2N)+(A,N))
²⁰⁷Pb(α,fission) σ(E)=factor					
8866	KAZ Expt J YF	21 1185 675 2.0+1 4.2+1			Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21 612 76 2.0+1 4.2+1			. TRANSLATION OF YF 21(6),1185(76).
²⁰⁸Pb(α,fission) σ(E)=factor					
8867	MAN Revv J RPP	39 955 76 2.0+1 1.2+2			Grant. CURV. FISSION. PROB. PL/B 38, 471
8868	KAZ Expt J YF	21 1185 675 2.0+1 4.2+1			Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21 612 76 2.0+1 4.2+1			. TRANSLATION OF YF 21(6),1185(76).

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
²⁰⁸Pb(α,fission) σ(E)					
8869	HAR Expt P UKNDC-P-88	95 678	3.5+1	8.0+1	Cunningham+ CURV.
²⁰⁸Pb(α,absorption) σ(E)					
8870	ROC Theo J PRL	37 481	76 1.7+1	2.4+1	Devries+ CURV.
8871	FSU Exth J PR/C	16 1767	N77 2.0+1	2.4+1	Wojciechowski+CURV.TBL.ELAS-RUTH METHOD
	Theo J PL/B	63 413	76 2.4+1		Wojciechowski+ (491+40)MB
²⁰⁸Pb(α,total) σ(E)					
8872	IJI Revv J FCY	6 827	75 1.8+1	4.5+1	Nemets+ CURV.
	Revv J SJPN	6 325	76 1.8+1	4.5+1	. TRANSLATION OF FCY 6.(4),827(75).
²⁰⁸Pb(α,inelastic)²⁰⁸Pb partial σ(E)					
8873	BNL Revv S BNL-51115	405 779	6.0+1	1.6+2	Sandorfi+ CURV. PEAK SIG FOR 11-MEV GDR
8874	NBI Theo J PL/B	87 15 079	6.5+1		Broglia+ CURV. INCLUSIVE. HEAVY ION MOD
²⁰⁸Pb(α,elastic)²⁰⁸Pb σ(E)					
8875	SUR Theo J NP/A	266 61	76 2.2+1		Jackson+ TBL. FOLDING MODEL.
²⁰⁸Pb(α,n)²⁰⁸Po relative I_γ					
8876	UST Expt J ZP/A	287 219	78 4.2+1	5.1+1	Bergstrom+ CURV. 10 STRONG GS. J GE 10
	Expt J ZP/A	287 219	78 5.1+1		Bergstrom+ TBL.26 GS. ALSO ICC+A2
²⁰⁸Pb(α,n)²¹¹Po σ(E)					
8877	JUL Expt P JUEL-SPEZ-3237	479 2.0+1	1.7+2		Didelez+ CURV. CFD DWUCK AND ALICE.
²⁰⁸Pb(α,n)²¹¹Po σ(E)					
8878	JUL Expt P JUEL-SPEZ-3237	479 2.0+1	1.8+2		Didelez+ CURV. CFD DWUCK.
	Expt P JUEL-SPEZ-1549	678 4.0+1	1.7+2		Lieder+ NDG.
²⁰⁸Pb(α,n)²¹¹Po σ(E)					
8879	JUL Expt P JUEL-SPEZ-3237	479 2.0+1	1.8+2		Didelez+ CURV. CFD DWUCK.
	Expt P JUEL-SPEZ-1549	678 4.0+1	1.7+2		Lieder+ NDG.
8880	KFK Expt J NP/A	329 259 079	2.0+1	1.3+2	Neumann+ CURV. ALPHA-ACTIVITY.
	Expt J NP/A	329 259 079	1.0+2		Neumann+ TBL. ALPHA-ACTIVITY.
²⁰⁸Pb(α,n)²¹¹σ/²⁰⁸Po ratio σ(E)					
8881	JUL Expt P JUEL-SPEZ-1549	678 4.0+1	1.7+2		Lieder+ CURV. FROM SIGMAS.
²⁰⁹Bi(α,x) compound-nucleus σ(E)×factor					
8882	MRY Expt A BAP	23 502 478	2.8+1	1.4+2	Meyer+ NDG. COMPLETE FUSION PROB.
	Expt P ORO-5172-05	39 977 4.9+1	1.4+2		Meyer+ NDG. RATIO FUS/FISS FRM FF
²⁰⁹Bi(α,x) compound-nucleus σ(E)					
8883	NRL Expt J PR/C	20 1716 N79	4.9+1	6.9+1	Meyer+ TBL. FUSION FROM FF ANG. CORREL
8884	MRY Expt J PR/C	20 1716 N79	1.4+2		Meyer+ TBL. FUSION FROM FF ANG. CORREL
²⁰⁹Bi(α,x) partial σ(E)					
8885	MRY Expt J PR/C	20 1284 079	1.6+2		Wu+ TBL. SUM OF CP BREAKUP.
²⁰⁹Bi(α,x) partial σ(E)×factor					
8886	MRY Expt J PR/C	20 1284 079	1.6+2		Wu+ TBL. RATIO TO TOTAL AND GEOMETRIC.
²⁰⁹Bi(α,fission) fission yield					
8887	CCP Expt J YF	27 54 178	2.8+1	3.0+1	Kuks+ GLASS. SINGLE-HUMP.
	Expt J SNP	27 28 78	2.8+1	3.0+1	. TRANSLATION OF YF 27, 54(1978).
²⁰⁹Bi(α,fission) σ(E)					
8888	NRL Expt J PR/C	20 1716 N79	4.9+1	6.0+1	Meyer+ TBL. INTAD.
8889	KFK Expt J NP/A	145 337 70	1.0+2		Gindler+ INTAD. SOLID-STATE DETECTOR.
	Expt 4 EXFORB0030.004	77 1.0+2			. (0.46+0.05)MB.
8890	KFK Comp B PH-DAT	15 1 079	1.0+2		Muenzel+ TBL. FROM EXFOR.
8891	MRY Expt J PR/C	20 1716 N79	1.4+2		Meyer+ TBL. INTAD.
²⁰⁹Bi(α,fission) σ(E)×factor					
8892	KAZ Expt J YF	21 1185 675	1.9+1	4.0+1	Ignatyuk+ CURV. REL. TO COMP. NUCL.
	Expt J SNP	21 612 76	1.9+1	4.0+1	. TRANSLATION OF YF 21(6),1185(76).
8893	MAN Revv J RPP	39 955 76	2.0+1	1.2+2	Grant. CURV. FISS. PROB. PL/B 38, 471
8894	MRY Expt P ORO-5172-05	39 977 4.9+1	1.4+2		Meyer+ NDG. RATIO FUS/FISS FRM FF

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{209}\text{Bi}(\alpha, \text{absorption}) \quad \sigma(\text{E})$					
8895	ROC Theo J PRL	37 481	76 1.7+1	2.4+1	Devries+ CURV.
8896	FSU Exth J PR/C	16 1767	N77 2.4+1		Wojciechowski+CURV.TBL.ELAS-RUTH METHOD
	Thon J PL/B	63 413	76 2.4+1		Wojciechowski+ (381+-90)MB
$^{209}\text{Bi}(\alpha, \text{inelastic}) \quad \sigma(\text{E})$					
8897	MRY Expt A BAP	23 502	478 2.8+1	1.4+2	Meyer+ NDG.
$^{209}\text{Bi}(\alpha, \text{total}) \quad \sigma(\text{E})$					
8898	IJI Revv J FCY	6 827	75 2.3+1	4.0+1	Nemets+ TBL.
	Revv J SJPN	6 325	76 2.3+1	4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).
8899	NRL Expt J PR/C	20 1716	N79 6.9+1		Meyer+ TBL. FRESNEL ANALYSIS OF ELASTIC
8900	MRY Expt J PR/C	20 1716	N79 1.4+2		Meyer+ TBL. FRESNEL ANALYSIS OF ELASTIC
	Expt J PR/C	20 1284	079 1.6+2		Wu+ TBL. ALSO GEOMETRIC.
$^{209}\text{Bi}(\alpha, \text{total}) \quad \text{partial } \sigma(\text{E}) \times \text{factor}$					
8901	MRY Expt J PR/C	20 1284	079 8.0+1	1.6+2	Wu+ TBL. RATIO PARTIAL TO TOTAL.
$^{209}\text{Bi}(\alpha, x) \quad \text{raw thick target yield}$					
8902	SUN Expt J JRC	50 307	79 5.0+0		Giles+ NO PROMPT GS.
$^{209}\text{Bi}(\alpha, x)^1\text{H} \quad \sigma(\text{E})$					
8903	MRY Expt J PR/C	20 1284	079 1.6+2		Wu+ TBL. ESTIMATED FROM DA/DE.
$^{209}\text{Bi}(\alpha, x)^1\text{H} \quad \sigma(\text{E}) \times \text{factor}$					
8904	MRY Expt J PR/C	20 1284	079 1.6+2		Wu+ TBL. RATIO TO TOTAL AND GEOMETRIC.
$^{209}\text{Bi}(\alpha, x)^2\text{H} \quad \sigma(\text{E})$					
8905	MRY Expt J PR/C	20 1284	079 1.6+2		Wu+ TBL. ESTIMATED FROM DA/DE.
$^{209}\text{Bi}(\alpha, x)^2\text{H} \quad \sigma(\text{E}) \times \text{factor}$					
8906	MRY Expt J PR/C	20 1284	079 1.6+2		Wu+ TBL. RATIO TO TOTAL AND GEOMETRIC.
$^{209}\text{Bi}(\alpha, x)^3\text{H} \quad \sigma(\text{E})$					
8907	MRY Expt J PR/C	20 1284	079 1.6+2		Wu+ TBL. ESTIMATED FROM DA/DE.
$^{209}\text{Bi}(\alpha, x)^3\text{H} \quad \sigma(\text{E}) \times \text{factor}$					
8908	MRY Expt J PR/C	20 1284	079 1.6+2		Wu+ TBL. RATIO TO TOTAL AND GEOMETRIC.
$^{209}\text{Bi}(\alpha, x)^3\text{He} \quad \sigma(\text{E})$					
8909	MRY Expt J PR/C	20 1284	079 1.6+2		Wu+ TBL. ESTIMATED FROM DA/DE.
$^{209}\text{Bi}(\alpha, x)^3\text{He} \quad \sigma(\text{E}) \times \text{factor}$					
8910	MRY Expt J PR/C	20 1284	079 1.6+2		Wu+ TBL. RATIO TO TOTAL AND GEOMETRIC.
$^{209}\text{Bi}(\alpha, ^3\text{He})^{210}\text{Bi} \quad \sigma(\text{E})$					
8911	MRY Expt A BAP	23 954	978 8.0+1	1.6+2	Wu+ NDG. A**1/3 DEPEND. IN BREAKUP
$^{209}\text{Bi}(\alpha, l)^{210}\text{Po} \quad \sigma(\text{E})$					
8912	MRY Expt A BAP	23 954	978 8.0+1	1.6+2	Wu+ NDG. A**1/3 DEPEND. IN BREAKUP
$^{209}\text{Bi}(\alpha, n+p)^{211}\text{Po} \quad \sigma(\text{E})$					
8913	JUL Expt P JUEL-SPEZ-3237	479 2.0+1	1.6+2		Didelez+ CURV. CFD ALICE.
$^{209}\text{Bi}(\alpha, d)^{211}\text{Po} \quad \sigma(\text{E})$					
8914	MRY Expt A BAP	23 954	978 8.0+1	1.6+2	Wu+ NDG. A**1/3 DEPEND. IN BREAKUP
$^{209}\text{Bi}(\alpha, n+p)^{211}\text{Po} \quad \sigma(\text{E})$					
8915	JUL Expt P JUEL-SPEZ-1549	678 4.0+1	1.7+2		Lieder+ NDG.
$^{209}\text{Bi}(\alpha, n+p)^{211}\text{Po} \quad \sigma(\text{E})$					
8916	JUL Expt P JUEL-SPEZ-1549	678 4.0+1	1.7+2		Lieder+ CURV.
$^{209}\text{Bi}(\alpha, n+p)^{211}\text{Po} \quad \sigma(\text{E})$					
8917	KFK Expt J NP/A	329 259	079 1.0+2		Neumann+ TBL. ALPHA-ACTIVITY
	Expt J NP/A	329 259	079 4.0+1	1.2+2	Neumann+ CURV. ALPHA ACTIVITY.
$^{209}\text{Bi}(\alpha, n+p)^{211}\text{Po}/\text{Po} \quad \text{ratio } \sigma(\text{E})$					
8918	JUL Expt P JUEL-SPEZ-1549	678 4.0+1	1.7+2		Lieder+ NDG. FROM SIGMAS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{209}\text{Bi}(\alpha, p)^{212}\text{Po} \quad \sigma(E)$					
8919	JUL Expt P	JUEL-SPEZ-3237	479	2.0+1	1.7+2 Didelez+ CURV. CFD ALICE.
8920	MRY Expt A	BAP 23	954	978	8.0+1 1.6+2 Wu+ NDG. A**1/3 DEPEND. IN BREAKUP
$^{209}\text{Bi}(\alpha, p)^{212}\text{Po} \quad \text{partial product yield}$					
8921	JUL Expt P	JUEL-SPEZ-3238	479	4.5+1	Lieder+ NDG. T1/2=14.2+-2.4NS.
$^{209}\text{Bi}(\alpha, p)^{212}\text{Po} \quad \sigma(E)$					
8922	JUL Expt P	JUEL-SPEZ-1549	678	4.0+1	1.7+2 Lieder+ NDG.
$^{209}\text{Bi}(\alpha, p)^{212}\text{Po} \quad \sigma(E)$					
8923	JUL Expt P	JUEL-SPEZ-1549	678	4.0+1	1.7+2 Lieder+ CURV.
8924	KFK Expt J	NP/A 329	259	079	1.0+2 Neumann+ TBL. ALPHA-ACTIVITY
$^{209}\text{Bi}(\alpha, p)^{212}\text{Po} \quad \text{ratio } \sigma(E)$					
8925	JUL Expt P	JUEL-SPEZ-1549	678	4.0+1	1.7+2 Lieder+ NDG. FROM SIGMAS.
$^{209}\text{Bi}(\alpha, n)^{212}\text{At} \quad \sigma(E)$					
8926	JUL Expt P	JUEL-SPEZ-3237	479	2.0+1	1.7+2 Didelez+ CURV. CFD ALICE.
$^{209}\text{Bi}(\alpha, \text{fission}) \text{mass distribution} \quad \sigma(E)$					
8927	GER Revv C	75MRYLND	565	75	NDG Mosel. CURV. ALSO PEAK TO VALLEY RATIOS
$^{232}\text{Th}(\alpha, \text{fission}) \quad \sigma(E)$					
8928	CCP Revv R	YK- 18	3	75	1.6+1 6.0+1 Lbev+ TBL.
	Revv R	INDC(CCP)=70	2	176	NDG . TRANSLATION OF ABSTRACT OF YK-18,3(75)
8929	IJI Expt J	YF 31	43	80	2.0+1 2.8+1 Zaika+ CURV. INTAD.
8930	OSA Expt P	A-RCNP-77	236	78	1.1+2 Nishi+ 2.448 FROM MASS YLD.
$^{232}\text{Th}(\alpha, \text{absorption}) \quad \sigma(E)$					
8931	IJI Theo J	IZV 40	1294	76	2.0+1 2.7+1 Zaika+ CURV. OPT. MODEL.
	Theo J	BAS 40	162	77	2.0+1 2.7+1 . TRANSLATION OF IZK 40(6), 1294(1975)
$^{232}\text{Th}(\alpha, \text{total}) \quad \sigma(E)$					
8932	IJI Revv J	FCY 6	827	75	4.0+1 Nemets+ TBL. FROM PR 131,1251(1963).
	Revv J	SJPN 6	325	76	4.0+1 . TRANSLATION OF FCY 6, (4), 827(1975).
$^{232}\text{Th}(\alpha, x)^3\text{H} \quad \text{thick target yield}$					
8933	BRK Expt J	PR 120	1354	60	4.8+1 Gonzalez-Vidal+ TBL. FROM STACKED FOLDS
	Expt J	PR 107	1311	57	4.8+1 . SOME EXPERIMENTAL DETAILS.
	Expt 4	EXFORB0080.037	D78	4.8+1	. (11.55+-10PERCENT)MB.
8934	KFK Comp B	PH-DAT 15	2	D79	4.8+1 Muenzel+ TBL. FROM EXFOR.
$^{232}\text{Th}(\alpha, x)^3\text{H} \quad \text{product yield}$					
8935	BRK Expt J	PR 120	1354	60	4.8+1 Gonzalez-Vidal+ TBL. FROM STACKED FOLDS
	Expt J	PR 107	1311	57	4.8+1 . SOME EXPERIMENTAL DETAILS.
	Expt 4	EXFORB0080.037	D78	4.8+1	. (1.56E-5+-10PERCENT)/INCIDENT A.
8936	KFK Comp B	PH-DAT 15	2	D79	4.8+1 Muenzel+ TBL. FROM EXFOR.
$^{232}\text{Th}(\alpha, \text{fission})^{122}\text{Sb} \quad \sigma(E)$					
8937	OSA Expt P	A-RCNP-77	236	78	1.1+2 Nishi+ TBL. CHEM. SEP. DLYD GS.
$^{232}\text{Th}(\alpha, \text{fission})^{122}\text{Sb} \quad \sigma(E)$					
8938	OSA Expt P	A-RCNP-77	236	78	1.1+2 Nishi+ TBL. CHEM. SEP. DLYD GS.
$^{232}\text{Th}(\alpha, \text{fission})^{122}\text{Sb} \quad \sigma(E)$					
8939	OSA Expt P	NEANDC(J)-5618	978	3.0+1	1.1+2 Nishi+ TBL. HIGH ISOMER.
$^{232}\text{Th}(\alpha, \text{fission})^{122}\text{Sb} \quad \text{independent ratio } \sigma(E)$					
8940	OSA Expt P	A-RCNP-77	236	78	1.1+2 Nishi+ TBL. CURV.
$^{232}\text{Th}(\alpha, \text{fission})^{122}\text{Sb} \quad \text{independent ratio } \sigma(E)$					
8941	OSA Expt P	NEANDC(J)-5618	978	3.0+1	1.1+2 Nishi+ TBL. CURV. HIGH/LOW ISOMER.
	Expt P	A-RCNP-77	237	378	1.1+2 Nishi+ TBL. HIGH/LOW RATIO.
$^{232}\text{Th}(\alpha, \text{fission})^{126}\text{Sb} \quad \sigma(E)$					
8942	OSA Expt P	A-RCNP-77	236	78	3.0+1 1.1+2 Nishi+ TBL. CHEM. SEP. DLYD GS.
$^{232}\text{Th}(\alpha, \text{fission})^{126}\text{Sb} \quad \sigma(E)$					
8943	OSA Expt P	A-RCNP-77	236	78	3.0+1 1.1+2 Nishi+ TBL. CHEM. SEP. DLYD GS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		$^{232}\text{Th}(\alpha, \text{fission})^{126}\text{e}^{252}\text{Sb}$				$\sigma(E)$
8944	OSA Expt P	NEANDC(J)-5618	978	3.0+1	1.1+2 Nishi+	TBL. HIGH ISOMER.
		$^{232}\text{Th}(\alpha, \text{fission})^{128}\text{e}/^{152}\text{Sb}$				Independent ratio $\sigma(E)$
8945	OSA Expt P	A-RCNP-77	236	78	3.0+1	1.1+2 Nishi+ TBL. CURV.
		$^{232}\text{Th}(\alpha, \text{fission})^{126}\text{e}^{251}\text{Sb}$				Independent ratio $\sigma(E)$
8946	OSA Expt P	NEANDC(J)-5618	978	3.0+1	1.1+2 Nishi+	TBL. CURV. HIGH/LOW ISOMER.
	Expt P	A-RCNP-77	237	378	3.0+1	1.1+2 Nishi+ TBL. HIGH/LOW RATIO.
		$^{232}\text{Th}(\alpha, \text{fission})^{128}\text{e}^{52}\text{Sb}$				$\sigma(E)$
8947	OSA Expt P	A-RCNP-77	236	78	3.0+1	1.1+2 Nishi+ TBL. CHEM. SEP. DLYD GS.
		$^{232}\text{Th}(\alpha, \text{fission})^{128}\text{e}^{52}\text{Sb}$				$\sigma(E)$
8948	OSA Expt P	A-RCNP-77	236	78	3.0+1	1.1+2 Nishi+ TBL. CHEM. SEP. DLYD GS.
		$^{232}\text{Th}(\alpha, \text{fission})^{128}\text{e}^{252}\text{Sb}$				$\sigma(E)$
8949	OSA Expt P	NEANDC(J)-5618	978	3.0+1	1.1+2 Nishi+	TBL. HIGH ISOMER.
		$^{232}\text{Th}(\alpha, \text{fission})^{128}\text{e}/^{152}\text{Sb}$				Independent ratio $\sigma(E)$
8950	OSA Expt P	A-RCNP-78	128	79	3.0+1	1.1+2 Imanishi+ CURV. RADIOCHEM. DEDUCED L.
	Expt P	A-RCNP-77	236	78	3.0+1	1.1+2 Nishi+ TBL. CURV.
		$^{232}\text{Th}(\alpha, \text{fission})^{128}\text{e}^{251}\text{Sb}$				Independent ratio $\sigma(E)$
8951	OSA Expt P	NEANDC(J)-5618	978	3.0+1	1.1+2 Nishi+	TBL. CURV. HIGH/LOW ISOMER.
	Expt P	A-RCNP-77	237	378	3.0+1	1.1+2 Nishi+ TBL. HIGH/LOW RATIO.
		$^{232}\text{Th}(\alpha, \text{fission})^{130}\text{e}^{52}\text{Sb}$				$\sigma(E)$
8952	OSA Expt P	A-RCNP-77	236	78	3.0+1	1.1+2 Nishi+ TBL. CHEM. SEP. DLYD GS.
		$^{232}\text{Th}(\alpha, \text{fission})^{130}\text{e}^{52}\text{Sb}$				$\sigma(E)$
8953	OSA Expt P	A-RCNP-77	236	78	3.0+1	1.1+2 Nishi+ TBL. CHEM. SEP. DLYD GS.
		$^{232}\text{Th}(\alpha, \text{fission})^{130}\text{e}^{252}\text{Sb}$				$\sigma(E)$
8954	OSA Expt P	NEANDC(J)-5618	978	3.0+1	1.1+2 Nishi+	TBL. HIGH ISOMER.
		$^{232}\text{Th}(\alpha, \text{fission})^{130}\text{e}/^{152}\text{Sb}$				ratio $\sigma(E)$
8955	OSA Expt P	A-RCNP-78	128	79	3.0+1	1.1+2 Imanishi+ CURV. RADIOCHEM. DEDUCED L.
	Expt P	A-RCNP-77	236	78	3.0+1	1.1+2 Nishi+ TBL. CURV.
		$^{232}\text{Th}(\alpha, \text{fission})^{130}\text{e}^{251}\text{Sb}$				ratio $\sigma(E)$
8956	OSA Expt P	NEANDC(J)-5618	978	3.0+1	1.1+2 Nishi+	TBL. CURV. HIGH/LOW ISOMER.
	Expt P	A-RCNP-77	237	378	3.0+1	1.1+2 Nishi+ TBL. HIGH/LOW RATIO.
		$^{232}\text{Th}(\alpha, \text{fission})^{131}\text{e}/^{152}\text{Te}$				Independent ratio $\sigma(E)$
8957	OSA Expt P	A-RCNP-78	128	79	3.0+1	1.1+2 Imanishi+ CURV. RADIOCHEM. DEDUCED L.
		$^{232}\text{Th}(\alpha, \text{fission})^{133}\text{e}/^{152}\text{Te}$				Independent ratio $\sigma(E)$
8958	OSA Expt P	A-RCNP-78	128	79	3.0+1	1.1+2 Imanishi+ CURV. RADIOCHEM. DEDUCED L.
		$^{232}\text{Th}(\alpha, \text{fission})^{132}\text{e}/^{151}\text{I}$				Independent ratio $\sigma(E)$
8959	OSA Expt P	A-RCNP-78	128	79	3.0+1	1.1+2 Imanishi+ CURV. RADIOCHEM. DEDUCED L.
		$^{232}\text{Th}(\alpha, \text{fission})^{134}\text{e}/^{151}\text{I}$				Independent ratio $\sigma(E)$
8960	OSA Expt P	A-RCNP-78	128	79	3.0+1	1.1+2 Imanishi+ CURV. RADIOCHEM. DEDUCED L.
		$^{232}\text{Th}(\alpha, \text{fission})^{148}\text{e}^{92}\text{Pm}$				Independent $\sigma(E)$
8961	MUN Expt J	JIN 40	1	78	2.6+1	4.1+1 Aumann+ CURV.
	Expt J	PR/C 16	160	777	2.6+1	4.1+1 Aumann+ CURV.
	Expt R	KFK-2298	61	476	2.7+1	4.5+1 Aumann+ CURV. RADIOCHEM.
	Expt 4	EXFORB0087.002	379	2.6+1	4.1+1	. 5 DATA POINTS.
		$^{232}\text{Th}(\alpha, \text{fission})^{148}\text{e}^{92}\text{Pm}$				Independent $\sigma(E)$
8962	MUN Expt J	JIN 40	1	78	2.6+1	4.1+1 Aumann+ CURV.
	Expt J	PR/C 16	160	777	2.6+1	4.1+1 Aumann+ CURV.
	Expt R	KFK-2298	61	476	2.7+1	4.5+1 Aumann+ CURV. RADIOCHEM.
	Expt 4	EXFORB0087.002	379	2.6+1	4.1+1	. 5 DATA POINTS.
		$^{232}\text{Th}(\alpha, \text{fission})^{148}\text{e}/^{92}\text{Pm}$				Independent ratio $\sigma(E)$
8963	MUN Expt J	PR/C 16	160	777	2.6+1	4.1+1 Aumann+ CURV.
	Expt R	KFK-2298	61	476	2.7+1	4.5+1 Aumann+ CURV. RADIOCHEM.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		$^{232}\text{Th}(\alpha, \text{fission})^{148\text{m}}\text{Pr}$	Independent ratio $\sigma(E)$			
8963	MUN Expt 4	EXFORB0087.002	379	2.6+1 4.1+1	5	DATA POINTS.
		$^{232}\text{Th}(\alpha, 7n+p)^{228}\text{Pa}$	$\sigma(E)$			
8964	OSA Expt P	A-RCNP-77	236	378	1.1+2	Nishi+ (151+-13)MUB.
		$^{232}\text{Th}(\alpha, x)$ mass distribution	$\sigma(E)$			
8965	JUL Expt P	JUEL-SPEZ-3622	479	5.0+1	1.5+2	Scholz+ CURV. STACKED FOILS. A DETECTED
		$^{232}\text{Th}(\alpha, \text{fission})$ mass distribution	cumulative? $\sigma(E)$			
8966	OSA Expt P	NEANDC(J)-5622	978	4.0+1	1.1+2	Nishi+ CURV. A=80-150.
	Expt P	A-RCNP-77	236	78	1.1+2	Nishi+ CURV. A=81-153. EXPT(25)+CALC.
		$^{232}\text{Th}(\alpha, \text{fission})$ mass distribution	cumulative fission yield			
8967	CCP Revu R	YK- 18	3	75	1.6+1 6.0+1	Lbov+ CURV. TBL. A=72-150.
	Revu R	INDC(CCP)-70	2	176	NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)
		$^{232}\text{Th}(\alpha, x)$ isotopic distribution	$\sigma(E)$			
8968	OSA Expt P	A-RCNP-77	236	78	3.0+1	1.1+2 Nishi+ TBL. CHEM. SEP. CFD (A,F).
8969	JUL Expt P	JUEL-SPEZ-3622	479	5.0+1	1.5+2	Scholz+ CURV. STACKED FOILS. A DETECTED
		$^{232}\text{Th}(\alpha, \text{fission})$ isotopic distribution	fission yield			
8970	OSA Expt P	NEANDC(J)-5622	978	1.1+2		Nishi+ CURV. 8 ISOTOPES NEAR A=130.
	Expt P	A-RCNP-77	236	78	1.1+2	Nishi+ CURV. CHARGE DISPERSION.
		$^{232}\text{Th}(\alpha, \text{fission})$ isotopic distribution	cumulative fission yield			
8971	CCP Revu R	YK- 18	3	75	1.6+1 6.2+1	Lbov+ TBL. A=72-157. Z=30-63.
	Revu R	INDC(CCP)-70	2	176	NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)
		$^{232}\text{Th}(\alpha, \text{inelastic}+xn)$ isotopic distribution	$\sigma(E)$			
8972	OSA Expt P	A-RCNP-77	236	378	3.0+1	1.1+2 Nishi+ TBL. X=5-7.
		$^{232}\text{Th}(\alpha, xn)$ isotopic distribution	$\sigma(E)$			
8973	OSA Expt P	A-RCNP-77	236	378	3.0+1	1.1+2 Nishi+ TBL. X=6-8.
		$^{232}\text{U}(\alpha, xn)$ isotopic distribution	product yield			
8974	CRC Expt P	INDC(SEC)-62	077	NDG		Ward+ NDG. P.125. HIGH-S OF ACTINIDES.
		$^{233}\text{U}(\alpha, x)$ compound-nucleus	$\sigma(E)$			
8975	NRL Expt J	PR/C 20	1716	N79	4.9+1 6.9+1	Meyer+ TBL. FUSION FROM FF ANG. CORREL
	Expt P	ORO-5172-05	39	977	4.9+1 1.4+2	Meyer+ TBL. COMPLETE FUS. FF ANG. CORR.
8976	MRY Expt J	PR/C 20	1716	N79	1.4+2	Meyer+ TBL. FUSION FROM FF ANG. CORREL
	Expt P	ORO-5172-05	39	977	3.0+1 1.4+2	Meyer+ TBL. CFD OTHERS.
		$^{233}\text{U}(\alpha, \text{fission})$	$\sigma(E)$			
8977	CCP Revu R	YK- 18	3	75	2.5+1 4.1+1	Lbov+ TBL.
	Revu R	INDC(CCP)-70	2	176	NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)
8978	NRL Expt J	PR/C 20	1716	N79	2.8+1 7.0+1	Meyer+ TBL. CURV. INTAD.
8979	KFK Expt J	NP/A 145	337	70	1.0+2	Gindler+ (2.2+-0.6)MB. INTAD.
	Expt 4	EXFORB0030.006	77	1.0+2		. 1 DATA POINT.
8980	KFK Coop B	PH-DAT 15	1	079	1.0+2	Muenzel+ TBL. FROM EXFOR.
8981	MRY Expt J	PR/C 20	1716	N79	1.4+2	Meyer+ TBL. CURV. INTAD.
		$^{233}\text{U}(\alpha, \text{fission})$	$\sigma(E) \times \text{factor}$			
8982	STB Expt J	PR/C 17	1706	578	2.1+1 4.0+1	Delagrang+CURV. CALC FISS. PROB(GIVAB)
8983	MRY Expt P	ORO-5172-05	39	977	4.9+1 1.4+2	Meyer+ TBL. RATIO FUS/FISS FRM FF
		$^{233}\text{U}(\alpha, \text{absorption})$	$\sigma(E)$			
8984	MRY Expt A	DA/B 36	3951	276	2.0+1 1.4+2	Meyer. NDG. FROM ELASTIC SCATTERING.
		$^{233}\text{U}(\alpha, \text{inelastic})$	$\sigma(E)$			
8985	MRY Expt A	BAP 23	502	478	2.8+1 1.4+2	Meyer+ NDG.
		$^{233}\text{U}(\alpha, \text{total})$	$\sigma(E)$			
8986	NRL Expt J	PR/C 20	1716	N79	6.9+1	Meyer+ TBL. FRESNEL ANALYSIS OF ELASTIC
8987	MRY Expt J	PR/C 20	1716	N79	1.4+2	Meyer+ TBL. FRESNEL ANALYSIS OF ELASTIC
		$^{233}\text{U}(\alpha, x)n$	$\sigma(E) \times \text{factor}$			
8988	STB Expt J	PR/C 17	1706	578	2.0+1 5.0+1	Delagrang+CURV.CALC N EMIS PROB. (PREEQ

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{233}\text{U}(\alpha,3n)^{234}\text{Pu}$			$\sigma(E)$
8989	STB Expl J PR/C	17 1706 578	2.9+1	4.0+1	Delagrangé+TBL. CURV. RADIOCHEM.CFD OTH
		$^{233}\text{U}(\alpha,2n)^{235}\text{Pu}$			$\sigma(E)$
8990	STB Expl J PR/C	17 1706 578	2.1+1	3.0+1	Delagrangé+TBL. CURV. RADIOCHEM.CFD OTH
		$^{233}\text{U}(\alpha,2n)^{235}\text{Pu}$			partial $\sigma(E)$
8991	STB Theo J PR/C	17 1721 578	2.2+1	2.8+1	Fleury+ CURV. STAT. MOD. FIS. ISOMERS
8992	BRK Expl P LBL-B151	39 678	3.6+1		Somerville+APP. 137NB.T1/2=23NS.SF REC.
		$^{233}\text{U}(\alpha,n)^{236}\text{Pu}$			$\sigma(E)$
8993	STB Expl J PR/C	17 1706 578	2.2+1	3.9+1	Delagrangé+TBL. CURV. RADIOCHEM.CFD OTH
		$^{233}\text{U}(\alpha,n)^{236}\text{Pu}$			partial $\sigma(E)$
8994	STB Expl J PR/C	17 1706 578	2.1+1	3.0+1	Delagrangé+ CURV. CALC. CFD PR/C 7,801
		$^{233}\text{U}(\alpha,\text{fission})$			mass distribution cumulative fission yield
8995	CCP Rev R YK- 18	3 75	2.5+1	4.1+1	Lbov+ CURV. A=70-160.
	Rev R INDC(CCP)-70	2 176	NDG		.TRANSLATION OF ABSTRACT OF YK-18,3(75)
		$^{233}\text{U}(\alpha,\text{fission})$			isotopic distribution cumulative fission yield
8996	CCP Rev R YK- 18	3 75	2.4+1	4.6+1	Lbov+ TBL. A=82-161. Z=35-65.
	Rev R INDC(CCP)-70	2 176	NDG		.TRANSLATION OF ABSTRACT OF YK-18,3(75)
		$^{233}\text{U}(\alpha,xn)$			isotopic distribution $\sigma(E)$
8997	GRA Theo J PRL	39 867 077	NDG		Delagrangé+ NDG.FRM EXP. WORK TO BE PUB
		$^{234}\text{U}(\alpha,\text{fission})$			$\sigma(E)$
8998	KFK Expl J NP/A 145	337 70	1.0+2		Gindler+ (2.9+-0.7)MB. INTAD.
	Expl 4 EXFORB0030.008	77	1.0+2		. 1 DATA POINT.
8999	KFK Comp B PH-DAT 15	1 079	1.0+2		Muenzel+ TBL. FROM EXFOR.
		$^{234}\text{U}(\alpha,\text{fission})$			$\sigma(E)$ =factor
9000	STB Expl J PR/C	17 1706 578	1.9+1	4.3+1	Delagrangé+CURV. CALC FISS. PROB(G1VAB)
	Expl J PRL 39	867 077	2.0+1	3.9+1	Delagrangé+ CURV. FROM (A,XN).
		$^{234}\text{U}(\alpha,\text{total})$			$\sigma(E)$
9001	STB Expl J PR/C	17 1706 578	1.8+1	5.0+1	Delagrangé+CURV. CALC. FRM NP/A 224,503
		$^{234}\text{U}(\alpha,x)n$			$\sigma(E)$ =factor
9002	STB Expl J PR/C	17 1706 578	2.0+1	5.0+1	Delagrangé+CURV.CALC N EMIS PROB. (PREEO
		$^{234}\text{U}(\alpha,4n)^{234}\text{Pu}$			$\sigma(E)$
9003	STB Expl J PR/C	17 1706 578	4.0+1	4.4+1	Delagrangé+TBL. CURV. RADIOCHEM.CFD OTH
		$^{234}\text{U}(\alpha,3n)^{235}\text{Pu}$			$\sigma(E)$
9004	STB Expl J PR/C	17 1706 578	3.0+1	4.3+1	Delagrangé+TBL. CURV. RADIOCHEM.CFD OTH
		$^{234}\text{U}(\alpha,2n)^{236}\text{Pu}$			$\sigma(E)$
9005	STB Expl J PR/C	17 1706 578	2.0+1	4.3+1	Delagrangé+TBL. CURV. RADIOCHEM.CFD OTH
	Expl J PRL 39	867 077	2.0+1	2.8+1	Delagrangé+CURV.FRM EXP. WORK TO BE PUB
		$^{234}\text{U}(\alpha,2n)^{236}\text{Pu}$			product yield
9006	BUC Rev R J APH 2	133 77	2.5+1		Poenaru. NDG. FRM E. LUKKONEN.
		$^{234}\text{U}(\alpha,n)^{237}\text{Pu}$			$\sigma(E)$
9007	STB Expl J PR/C	17 1706 578	1.9+1	4.3+1	Delagrangé+TBL. CURV. RADIOCHEM.CFD OTH
		$^{234}\text{U}(\alpha,n)^{237}\text{Pu}$			$\sigma(E)$
9008	STB Expl J PR/C	17 1706 578	2.1+1	3.0+1	Delagrangé+ CURV. CALC. CFD PR/C 7,801
		$^{234}\text{U}(\alpha,xn)$			isotopic distribution $\sigma(E)$
9009	STB Expl J PRL 39	867 077	NDG		Delagrangé+ NDG.FRM EXP. WORK TO BE PUB
		$^{235}\text{U}(\alpha,\text{fission})$			$\sigma(E)$
9010	CCP Rev R YK- 18	3 75	2.0+1	4.0+1	Lbov+ TBL.
	Rev R INDC(CCP)-70	2 176	NDG		.TRANSLATION OF ABSTRACT OF YK-18,3(75)
9011	IJI Expl J YF 31	43 80	2.0+1	2.8+1	Zalka+ CURV. INTAD.
9012	KFK Expl J NP/A 145	337 70	1.0+2		Gindler+ (2.7+-0.7)MB. INTAD.
	Expl 4 EXFORB0030.010	77	1.0+2		. 1 DATA POINT.
9013	KFK Comp B PH-DAT 15	1 079	1.0+2		Muenzel+ TBL. FROM EXFOR.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
²³⁵U(α,fission) σ(E)×factor					
9014	STD Expt J PH/C	17 1706 578	1.9+1	4.6+1	Delagrangé+CURV. CALC FISS. PROB(GIVAB)
	Expt J PRL	39 867 077	2.0+1	3.9+1	Delagrangé+ CURV. FROM (A,XN).
²³⁵U(α,fission) prompt relative σ(E)×factor					
9015	KFK Comp B PH-DAT	15 1 079 2.2+1	2.6+1		Muenzel+ TBL. FROM EXFOR.
9016	WAU Expt J PR/C	8 1080 73 2.2+1	2.6+1		Vandenbosch+ TBL. CURV. PU-237-M1/(A,F)
	Expt J PR/C	8 1080 73 2.2+1	2.6+1		Vandenbosch+ TBL. CURV. PU-237-M2/(A,F)
	Expt 4 EXFORB0011	.002 076 2.2+1	2.6+1	. 11	DATA POINTS. T1/2=1.12MUS.
	Expt 4 EXFORB0011	.002 076 2.2+1	2.6+1	. 11	DATA POINTS. T1/2 = 82 NS.
²³⁵U(α,n+fission) σ(E)×factor					
9017	STB Expt J PRL	39 867 077	2.0+1	3.9+1	Delagrangé+ CURV. FROM (A,XN).
²³⁵U(α,x)n σ(E)×factor					
9018	STB Expt J PR/C	17 1706 578	2.0+1	5.0+1	Delagrangé+CURV.CALC N EMIS PROB.(PREEQ
²³⁵U(α,4n)²³⁵Pu σ(E)					
9019	STB Expt J PR/C	17 1706 578	3.5+1	4.6+1	Delagrangé+TBL. CURV. RADIOCHEM.CFD OTH
²³⁵U(α,3n)²³⁶Pu σ(E)					
9020	STB Expt J PR/C	17 1706 578	2.8+1	4.6+1	Delagrangé+TBL. CURV. RADIOCHEM.CFD OTH
	Expt J PRL	39 867 077	2.6+1	3.8+1	Delagrangé+CURV.FRM EXP. WORK TO BE PUB
²³⁵U(α,2n)²³⁷Pu σ(E)					
9021	STB Expt J PR/C	17 1706 578	1.9+1	4.6+1	Delagrangé+TBL. CURV. RADIOCHEM.CFD OTH
²³⁵U(α,2n)²³⁷Pu partial σ(E)					
9022	STB Theo J PR/C	17 1721 578	2.2+1	2.8+1	Fleury+ CURV. STAT. MOD. FIS. ISOMERS
²³⁵U(α,2n)²³⁷Pu thick target yield					
9023	ORL Expt P ORNL-S025	230 575 3.0+1			Gross+ 10MEV THICK. 4E-9G/2E-5A-40HR.
²³⁵U(α,2n)²³⁷1Pu relative σ(E)×factor					
9024	KFK Comp B PH-DAT	15 1 079 2.2+1	2.6+1		Muenzel+ TBL. FROM EXFOR.
9025	WAU Expt J PR/C	8 1080 73 2.2+1	2.6+1		Vandenbosch+ TBL. CURV. PU-237-M1/(A,F)
	Expt 4 EXFORB0011	.002 076 2.2+1	2.6+1	. 11	DATA POINTS. T1/2 = 82 NS.
²³⁵U(α,2n)²³⁷2Pu relative σ(E)×factor					
9026	KFK Comp B PH-DAT	15 1 079 2.2+1	2.6+1		Muenzel+ TBL. FROM EXFOR.
9027	WAU Expt J PR/C	8 1080 73 2.2+1	2.6+1		Vandenbosch+ TBL. CURV. PU-237-M2/(A,F)
	Expt 4 EXFORB0011	.002 076 2.2+1	2.6+1	. 11	DATA POINTS. T1/2=1.12MUS.
²³⁵U(α,fission)mass distribution cumulative fission yield					
9028	CCP Revv R YK- 18	3 75 6.0+0	2.4+1		Lbov+ CURV. A=82-150.
	Revv R INDC(CCP)-70	2 176 NDG			.TRANSLATION OF ABSTRACT OF YK-18,3(75)
²³⁵U(α,fission)isotopic distribution cumulative fission yield					
9029	CCP Revv R YK- 18	3 75 1.9+1	4.9+1		Lbov+ TBL. A=72-161. Z=30-65.
	Revv R INDC(CCP)-70	2 176 NDG			.TRANSLATION OF ABSTRACT OF YK-18,3(75)
²³⁵U(α,xn)isotopic distribution σ(E)					
9030	STB Expt J PRL	39 867 077 NDG			Delagrangé+ NDG.FRM EXP. WORK TO BE PUB
²³⁸U(α,4n)²³⁶Pu σ(E)					
9031	GRE Expt P ISN-77-01	98 76 2.0+1	4.6+1		Delagrangé+ NDG. STCKD-FOIL RADIO-CHEM
²³⁸U(α,3n)²³⁷Pu σ(E)					
9032	GRE Expt P ISN-77-01	98 76 2.0+1	4.6+1		Delagrangé+ NDG. STCKD-FOIL RADIO-CHEM
²³⁸U(α,2n)²³⁸Pu σ(E)					
9033	GRE Expt P ISN-77-01	98 76 2.0+1	4.6+1		Delagrangé+ NDG. STCKD-FOIL RADIO-CHEM
²³⁸U(α,2n)²³⁸Pu product yield					
9034	BUC Revv J APH	2 133 77 2.0+1	2.8+1		Poenaru. NDG. FRM NP/A 199, 504(1973)
²³⁸U(α,fission) σ(E)					
9035	CCP Revv R YK- 18	3 75 2.0+1	4.0+1		Lbov+ TBL.
	Revv R INDC(CCP)-70	2 176 NDG			.TRANSLATION OF ABSTRACT OF YK-18,3(75)
9036	IJI Expt J YF	31 43 80 2.0+1	2.8+1		Zaika+ CURV. INTAD.
9037	KFK Expt J NP/A	145 337 70 1.0+2			Gindler+ (3.2+-0.8)MB. INTAD.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
²³⁸U(α,fission) σ(E)					
9037	KFK Expt 4	EXFORB0030.012	77	1.0+2	. 1 DATA POINT
9038	KFK Comp B	PH-DAT 15	1	079 1.0+2	Muenzel+ TBL. FROM EXFOR.
²³⁸U(α,x)γ thick target yield					
9039	CCP Expt R	YK- 21	73	76 4.6+1	Matusevich+ CURV. TBL. THETA = 0 DEG.
	Expt R	INDC(CCP)-103	577	4.6+1	.TRANSLATION OF T. OF C.(YK 21,73(1976)
²³⁸U(α,x)³H thick target yield					
9040	BRK Expt J	PR 120	1354	60 4.8+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J	PR 107	1311	57 4.8+1	. SOME EXPERIMENTAL DETAILS.
	Expt 4	EXFORB0080.038	078	4.8+1	. (9.26+-10PERCENT)MB.
9041	KFK Comp B	PH-DAT 15	2	079 4.8+1	Muenzel+ TBL. FROM EXFOR.
²³⁸U(α,x)³H product yield					
9042	BRK Expt J	PR 120	1354	60 4.8+1	Gonzalez-Vidal+ TBL. FROM STACKED FOILS
	Expt J	PR 107	1311	57 4.8+1	. SOME EXPERIMENTAL DETAILS.
	Expt 4	EXFORB0080.038	078	4.8+1	. (1.23E-5+-10PERCENT)/INCIDENT A.
9043	KFK Comp B	PH-DAT 15	2	079 4.8+1	Muenzel+ TBL. FROM EXFOR.
²³⁸U(α,p)²⁴¹Np partial product yield					
9044	BIR Expt J	NP 88	285	66 4.0+1	Qaim. NDG. RADIOCHEM. 16-MIN ISOMER.
²³⁸U(α,p)²⁴¹Np product yield					
9045	BIR Expt J	JIN 28	666	66 4.0+1	Qaim. NDG. RADIOCHEM. 3.4-H ISO NOT OBS
²³⁸U(α,fission)mass distribution cumulative fission yield					
9046	MSU Revs S	BNL-51115	1	779 2.0+1	4.0+1 Gelbke. CURV. A=80-160. PR 121, 1415.
9047	SAC Expt P	CEA-N-1861	87	975 2.0+1	2.9+1 Libaurel+ CURV. YIELD IN PRC VS. A
²³⁸U(α,fission)mass distribution relative σ(E)					
9048	FEI Expt J	YF 30	915	79 2.4+1	3.6+1 Dmitriev+ CURV. A=70-190.
²³⁸U(α,inelastic+fission)mass distribution cumulative fission yield					
9049	BON Expt J	PL/B 61	158	76 5.0+1	David+ CURV. EX=6.5-9.5 MEV
²³⁸U(α,fission)isotopic distribution cumulative fission yield					
9050	CCP Revs R	YK- 18	3	75 2.0+1	4.5+1 Lbov+ TBL. A=72-161. Z=30-65.
	Revs R	INDC(CCP)-70	2	176 NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)
²³⁸U(α,x)n thick target yield×factor					
9051	GEL Theo J	AKE 30	59	77 1.1+0	5.5+0 Liskien+ TBL. CARBIDE. N/A. FRM SIG+S.P
9052	ORL Expt J	NSE 71	18	779 3.0+0	9.0+0 Bair+ TBL. CURV. CMP=C. CALCULATED.
²³⁸U(α,x)n thick target yield					
9053	HAR Expt C	78HARHEL	612	78 4.0+0	8.0+0 West+ CURV. 9 LONG 3HE-AR-METHANE COUN
²³⁸U(α,x)n thick target yield×factor					
9054	GEL Theo J	AKE 30	59	77 1.5+0	7.0+0 Liskien+ TBL. FROM SIG+STOP. POWERS.N/A
9055	ORL Expt J	NSE 71	18	779 3.0+0	7.5+0 Bair+ TBL. CURV. CALCULATED
9056	HAR Expt P	NEANDC(E)-2028	479	4.2+0	1.0+1 West+ CURV. POLY. MODERATOR. P. 57.
	Expt P	UKNDG-P-94	57	479 4.2+0	1.0+1 . SAME AS NEANDC(E)-202. VOL. 8.
	Expt P	INDC(UK)-31	57	479 4.2+0	1.0+1 . SAME AS NEANDC(E)-202. VOL. 8
²³⁷Np(α,x) partial σ(E)					
9057	STB Expt J	PR/C 7	1231	73 2.0+1	2.3+1 Fleury+ TBL. SUM OF XN REACTIONS.
²³⁷Np(α,x) spallation σ(E)×factor					
9058	STB Expt J	PR/C 16	688	877 1.8+1	2.3+1 Lin+ CURV. CALC. PRCNT OF REACTION SIG
²³⁷Np(α,fission) σ(E)					
9059	STB Expt J	PR/C 16	688	877 1.8+1	2.3+1 Lin+ TBL. CURV. RADIOCHEM.
	Expt 4	EXFORB0088.004	379	1.8+1	2.2+1 . 11 DATA POINTS.
9060	CCP Revs R	YK- 18	3	75 2.0+1	4.1+1 Lbov+ TBL.
	Revs R	INDC(CCP)-70	2	176 NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)
9061	STB Expt J	PR/C 7	1231	73 2.0+1	Fleury+ TBL. CURV.
	Expt 4	EXFORB0089.006	379	2.0+1	4.6+1 . 7 DATA POINTS.
²³⁷Np(α,fission) σ(E)×factor					
9062	GRA Theo J	PRL 39	867	077 5.0+0	3.0+1 Delagrang+ CURV. CN EX. E. FRM (A,XN)
9063	BNL Theo J	PR/C 16	694	877 1.9+1	2.7+1 Gilat+ CURV. ST MOD./DOUBLE-HUMP F PRB

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		$^{237}\text{Np}(\alpha, \text{absorption})$			partial $\sigma(E)$	
9064	STB Expt J PR/C	16	688 877	1.8+1 2.3+1	Lin+ TBL.	CURV. (A,F)+(A,N)+(A,2N) + OM
		$^{237}\text{Np}(\alpha, \text{total})$			$\sigma(E)$	
9065	STB Expt J PR/C	7	1231 73	2.0+1 4.6+1	Fleury+ TBL.	EXPERIMENT+ABACUS CALC.
		$^{237}\text{Np}(\alpha, x)n$			partial $\sigma(E)$	
9066	STB Expt J PR/C	16	688 877	1.9+1 2.3+1	Lin+ TBL.	SUM OF (A,N) AND (A,2N)
		$^{237}\text{Np}(\alpha, 4n)^{237}\text{gAm}$			$\sigma(E)$	
9067	STB Expt J PR/C	7	1231 73	3.9+1	Fleury+ TBL.	CURV.
	Expt 4 EXFORB0089.005	379	3.9+1	4.6+1	5 DATA POINTS.	
		$^{237}\text{Np}(\alpha, 3n)^{238}\text{Am}$			$\sigma(E)$	
9068	BNL Theo J PR/C	16	694 877	1.9+1 2.6+1	Gilat+ CURV.	STAT. MOD./DOUBLE-HUMP
		$^{237}\text{Np}(\alpha, 3n)^{238}\text{Am}$			$\sigma(E)$ x factor	
9069	BNL Theo J PR/C	16	694 877	1.9+1 2.6+1	Gilat+ CURV.	ST MOD./DOUBLE-HUMP EM PRB
		$^{237}\text{Np}(\alpha, 3n)^{238}\text{Am}$			partial $\sigma(E)$	
9070	BNL Theo J PR/C	16	694 877	3.0+1 3.7+1	Gilat+CURV.	ST MOD./DBL-HUMP F ISO. SIG
		$^{237}\text{Np}(\alpha, 3n)^{238}\text{gAm}$			$\sigma(E)$	
9071	STB Expt J PR/C	7	1231 73	2.9+1	Fleury+ TBL.	CURV.
	Expt 4 EXFORB0089.004	379	2.9+1	4.6+1	17 DATA POINTS.	
		$^{237}\text{Np}(\alpha, 3n)^{238}\text{gAm}$			$\sigma(E)$	
9072	STB Expt J PR/C	7	1231 73	3.0+1 3.5+1	Fleury+ TBL.	CURV.
	Expt 4 EXFORB0089.007	379	3.0+1 3.5+1	6 DATA POINTS.		
		$^{237}\text{Np}(\alpha, 3n)^{238}\text{gAm}$			$\sigma(E)$ x factor	
9073	STB Expt J PR/C	7	1231 73	3.0+1 4.5+1	Fleury+ TBL.	CURV. RATIO (A,2N)/(A,3N)
	Expt 4 EXFORB0089.007	379	3.0+1 4.5+1	11 DATA POINTS. RATIO (A,2N)/(A,3N).		
		$^{237}\text{Np}(\alpha, 2n+\text{fission})^{238}\text{Am}$			$\sigma(E)$ x factor	
9074	STB Theo P NEANDC(E)-1824	77	NDG		Delagrangé+ CURV.	FISS. PROB. P. 36.
		$^{237}\text{Np}(\alpha, 2n)^{238}\text{Am}$			$\sigma(E)$	
9075	BNL Theo J PR/C	16	694 877	2.0+1 3.5+1	Gilat+ CURV.	STAT. MOD./DOUBLE-HUMP
		$^{237}\text{Np}(\alpha, 2n)^{238}\text{Am}$			$\sigma(E)$ x factor	
9076	BNL Theo J PR/C	16	694 877	2.0+1 3.5+1	Gilat+ CURV.	ST MOD./DOUBLE-HUMP EM PRB
		$^{237}\text{Np}(\alpha, 2n)^{238}\text{Am}$			partial $\sigma(E)$	
9077	BNL Theo J PR/C	16	694 877	2.2+1 3.7+1	Gilat+CURV.	ST MOD./DBL-HUMP F ISO. SIG
		$^{237}\text{Np}(\alpha, 2n)^{238}\text{Am}$			partial $\sigma(E)$ x factor	
9078	STB Theo J PR/C	17	1721 578	2.2+1 2.8+1	Fleury+ CURV.	STAT. MOD. FIS. ISO. RAT
		$^{237}\text{Np}(\alpha, 2n)^{238}\text{gAm}$			$\sigma(E)$	
9079	STB Expt J PR/C	16	688 877	1.9+1 2.3+1	Lin+ TBL.	CURV. RADIOCHEM.
	Expt 4 EXFORB0088.003	379	1.9+1 2.2+1	9 DATA POINTS.		
9080	STB Expt J PR/C	7	1231 73	2.0+1	Fleury+ TBL.	CURV.
	Expt 4 EXFORB0089.003	379	2.0+1 4.6+1	25 DATA POINTS.		
		$^{237}\text{Np}(\alpha, 2n)^{238}\text{gAm}$			$\sigma(E)$	
9081	STB Expt J PR/C	7	1231 73	2.1+1 4.5+1	Fleury+ TBL.	CURV.
	Expt 4 EXFORB0089.007	379	2.1+1 4.5+1	25 DATA POINTS.		
		$^{237}\text{Np}(\alpha, 2n)^{238}\text{gAm}$			$\sigma(E)$ x factor	
9082	BUC Revv J APH	2	133 77	3.0+0 9.0+0	Poenaru+TBL.	SIGMA(I)/SIGMA(F). E=E*-B(2N
9083	STB Expt J PR/C	7	1231 73	3.0+1 4.5+1	Fleury+ TBL.	CURV. RATIO (A,2N)/(A,3N)
	Expt 4 EXFORB0089.007	379	3.0+1 4.5+1	11 DATA POINTS. RATIO (A,2N)/(A,3N).		
		$^{237}\text{Np}(\alpha, n+\text{fission})^{240}\text{Am}$			$\sigma(E)$ x factor	
9084	STB Theo P NEANDC(E)-1824	77	NDG		Delagrangé+ CURV.	FISS. PROB. P. 36.
		$^{237}\text{Np}(\alpha, n)^{240}\text{Am}$			$\sigma(E)$	
9085	BNL Theo J PR/C	16	694 877	2.8+1 3.8+1	Gilat+ CURV.	STAT. MOD./DOUBLE-HUMP

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{237}\text{Np}(\alpha, n)^{240}\text{Am}$ $\sigma(E)$ x factor					
9086	BNL Theo J PR/C	16	694	877 2.8+1	3.8+1 Gilat+ CURV. ST MOD./DOUBLE-HUMP EM PRB
$^{237}\text{Np}(\alpha, n)^{240}\text{Am}$ $\sigma(E)$					
9087	STB Expt J PR/C	16	688	877 1.8+1	2.3+1 Lin+ TBL. CURV. RADIOCHEM.
	Expt 4 EXFORB0088.002	379	1.8+1	2.2+1	. 11 DATA POINTS.
9088	STB Expt 1 PR/C	7	1231	73 2.0+1	4.6+1 Fleury+ TBL. CURV.
	Expt 4 EXFORB0089.002	379	2.0+1	4.6+1	. 23 DATA POINTS.
$^{237}\text{Np}(\alpha, \text{fission})$ mass distribution cumulative fission yield					
9089	CCP Revv R YK- 18	3	75	2.0+1	4.1+1 Lbov+ CURV. TBL. A=70-161.
	Revv R INDC(CCP)-70	2	176	NDG	. TRANSLATION OF ABSTRACT OF YK-18,3(75)
$^{237}\text{Np}(\alpha, \text{fission})$ mass distribution relative $\sigma(E)$					
9090	FEI Expt J YF	30	915	79 3.6+1	Dmitriev+ CURV. A=50-190.
$^{237}\text{Np}(\alpha, \text{fission})$ isotopic distribution cumulative fission yield					
9091	CCP Revv R YK- 18	3	75	2.0+1	4.1+1 Lbov+ TBL. A=72-161. Z=30-65.
	Revv R INDC(CCP)-70	2	176	NDG	. TRANSLATION OF ABSTRACT OF YK-18,3(75)
$^{237}\text{Np}(\alpha, xn)$ isotopic distribution $\sigma(E)$					
9092	STB Expt J PRL	39	867	077	NDG Delagrange+ NDG. FRM EXP. WORK TO BE PUB
$^{238}\text{Pu}(\alpha, \text{fission})$ $\sigma(E)$					
9093	CCP Revv R YK- 18	3	75	2.5+1	4.7+1 Lbov+ TBL.
	Revv R INDC(CCP)-70	2	176	NDG	. TRANSLATION OF ABSTRACT OF YK-18,3(75)
$^{238}\text{Pu}(\alpha, \text{fission})$ prompt $\sigma(E)$					
9094	KFK Comp B PH-DAT	15	1	079 2.0+1	2.9+1 Muenzel+ TBL. FROM EXFOR.
9095	NBI Exth J NP/A	213	397	73 2.0+1	2.9+1 Metag+ TBL. CURV. ASSUMED ISOTR. DIST.
	Exth 4 EXFORB0007.005	076	2.0+1	2.9+1	. 23 DATA POINTS.
$^{238}\text{Pu}(\alpha, \text{fission})$ prompt $\sigma(E)$ x factor					
9096	KFK Comp B PH-DAT	15	1	079 2.0+1	2.9+1 Muenzel+ TBL. FROM EXFOR.
9097	NBI Exth J NP/A	213	397	73 2.0+1	2.9+1 Metag+ TBL. CURV. (A,N)/(A,2N)/(A,F).
	Exth 4 EXFORB0007.003	076	2.0+1	2.9+1	. 23 DATA POINTS. (A,2N)/(A,F).
	Exth 4 EXFORB0007.004	076	2.0+1	2.4+1	. 12 DATA POINTS. (A,N)/(A,F).
$^{238}\text{Pu}(\alpha, 2n)^{240}\text{Cm}$ $\sigma(E)$					
9098	KFK Comp B PH-DAT	15	1	079 2.0+1	2.9+1 Muenzel+ TBL. FROM EXFOR.
9099	NBI Exth 4 EXFORB0007.003	076	2.0+1	2.9+1	. 10 POINTS. DEDUCED BY COMPILER.
$^{238}\text{Pu}(\alpha, 2n)^{240}\text{Cm}$ $\sigma(E)$ x factor					
9100	KFK Comp B PH-DAT	15	1	079 2.0+1	2.9+1 Muenzel+ TBL. FROM EXFOR.
9101	NBI Exth J NP/A	213	397	73 2.0+1	2.9+1 Metag+ TBL. CURV. (A,2N)/(A,F)
	Exth 4 EXFORB0007.003	076	2.0+1	2.9+1	. 23 DATA POINTS.
$^{238}\text{Pu}(\alpha, n)^{241}\text{Cm}$ $\sigma(E)$ x factor					
9102	KFK Comp B PH-DAT	15	1	079 2.0+1	2.9+1 Muenzel+ TBL. FROM EXFOR.
9103	NBI Exth J NP/A	213	397	73 2.0+1	2.9+1 Metag+ TBL. CURV. (A,N)/(A,F).
	Exth 4 EXFORB0007.004	076	2.0+1	2.4+1	. 12 DATA POINTS. (A,N)/(A,F).
$^{238}\text{Pu}(\alpha, n)^{241}\text{Cm}$ $\sigma(E)$					
9104	ORL Expt P ORNL-5306	105	677	3.0+0	9.0+0 Bair+ NDG.
9105	KFK Comp B PH-DAT	15	1	079 2.0+1	2.4+1 Muenzel+ TBL. FROM EXFOR.
9106	NBI Exth 4 EXFORB0007.004	076	2.0+1	2.4+1	. 12 POINTS. DEDUCED BY COMPILER.
$^{238}\text{Pu}(\alpha, n)^{241}\text{Cm}$ $\sigma(E)$ x factor					
9107	KFK Comp B PH-DAT	15	1	079 2.0+1	2.4+1 Muenzel+ TBL. FROM EXFOR.
	Exth 4 EXFORB0007.004	076	2.0+1	2.4+1	. 12 DATA POINTS.
$^{238}\text{Pu}(\alpha, \text{fission})$ isotopic distribution cumulative fission yield					
9109	CCP Revv R YK- 18	3	75	2.5+1	4.7+1 Lbov+ TBL. Z=38-65. A=91-161.7 ISOTOPES.
	Revv R INDC(CCP)-70	2	176	NDG	. TRANSLATION OF ABSTRACT OF YK-18,3(75)
$^{238}\text{Pu}(\alpha, \text{fission})$ $\sigma(E)$					
9110	CCP Revv R YK- 18	3	75	2.0+1	4.8+1 Lbov+ TBL.
	Revv R INDC(CCP)-70	2	176	NDG	. TRANSLATION OF ABSTRACT OF YK-18,3(75)
9111	IJI Expt J YF	31	43	80 2.0+1	2.8+1 Zaika+ CURV. INTAD.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
²³⁹ Pu(α,fission)mass distribution cumulative fission yield						
9112	CCP Revv R YK-18	3 75 2.2+1	3.2+1	Lbnv+ TBL.	A=72-161.	
	Revv R INDC(CCP)-70	2 176 NDG			.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁹ Pu(α,fission)isotopic distribution cumulative fission yield						
9113	CCP Revv R YK-18	3 75 2.0+1	4.8+1	Lbnv+ TBL.	A=72-161. Z=30-65.	
	Revv R INDC(CCP)-70	2 176 NDG			.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²⁴² Pu(α,fission)mass distribution relative σ(E)						
9114	FEI Expt J YF	30 915 79 2.6+1	3.1+1	Dmitriev+ CURV.	A=60-190.	
²⁴¹ Am(α,3n) ²⁴² Bk product yield						
9115	BUC Revv J APH	2 133 77 3.8+1		Poenaru. NDG.	FRM PL/B 38, 405(1972)	
²⁴³ Am(α,fission)mass distribution relative σ(E)						
9116	FEI Expt J YF	30 915 79 2.4+1	3.6+1	Dmitriev+ CURV.	A=90-180.	
²⁴⁸ Cm(α,fission)isotopic distribution fission yield×factor						
9117	KUR Expt J YF	21 1178 675 2.4+1	3.4+1	Lisin+ TBL.	CURV. REL TO BA140 YLD.	
	Expt J SNP	21 608 76 2.4+1	3.4+1		.TRANSLATION OF YF 21(6),1178(75).	
²⁵⁵ Es(α,n) ²⁵⁶ Md product yield						
9118	LAS Expt J PR/C	21 972 380 2.6+1		Hoffman+ NDG.	T1/2(SF)=43 MIN.	
systematics(α,fission) σ(E)×factor						
9119	KAZ Expt J YF	21 1185 675 2.5+1	5.0+1	Ignatyuk+CURV.	PRE-ACT. FISS. REL. TO CN	
	Expt J SNP	21 612 76 2.5+1	5.0+1		.TRANSLATION OF YF 21(6),1185(76).	
systematics(α,fission) σ(E)						
9120	KFK Comp B PH-DAT	15 1 079	+1	+2 Muenzel+ TBL.	FROM EXFOR.	
systematics(α,absorption) σ(E)						
9121	IJI Revv J FCY	6 827 75 4.0+1		Nemets+ CURV.	DEPENDENCE ON A*(2/3).	
	Revv J SJPN	6 325 76 4.0+1			.TRANSLATION OF FCY 6,(4),827(1975).	
systematics(α,scattering) partial spectrum average σ(E)						
9122	MUJ Expt W ANNUAL RPT	97 74 2.3+1	2.7+1	Eberhard+ CURV.	INTAD(140-180). 21 TARU	
systematics(α,scattering) spectrum average σ(E)						
9123	MUN Revv C 75MRYLND	240 75 2.3+1	2.7+1	Schiffer+ CURV.	AL27-PB. INTAD(141-176)	
systematics(α,scattering) partial spectrum average σ(E)						
9124	UBC Theo J NP/A	309 359 078 2.3+1	2.7+1	Brink+CURV.	AVE. OVER THETA=141-170 DEG	
systematics(α,inelastic) partial raw thick target yield						
9125	SUN Expt J JRC	50 307 79 5.0+0		Giles+ TBL.	SURVEY OF PROMPT GS. Z=3-80	
systematics(α,total) σ(E)						
9126	FSU Theo C 77TOKYO	655 977 NDG		Davis. NDG.	MODEL-INDEPENDENT METHOD.	
9127	IJI Revv J FCY	6 827 75 2.5+1	4.0+1	Nemets+ CURV.	DEPENDENCE ON A FOR N1.	
	Revv J FCY	6 827 75 2.7+1		Nemets+ CURV.	DEPENDENCE ON N FOR Z>=26	
	Revv J FCY	6 827 75 2.5+1	4.0+1	Nemets+ CURV.	DEPENDENCE ON Z FOR N>=28	
	Revv J FCY	6 827 75 1.6+1	4.0+1	Nemets+ TBL.	Z=4 TO 90.	
	Revv J SJPN	6 325 76 1.6+1	4.0+1		.TRANSLATION OF FCY 6,(4),827(1975).	
systematics(α,γ) σ(E)						
9128	CAL Theo J AND	22 371 N78 NDG		Woosley+ NDG.	EXOERGIC. Z=8-34.	
	Theo J AND	22 371 N78 NDG			.TBL OF STAT. THERMONUC. REAC. RT. PAR	
	Theo R OAP-422	875 TR	1.3+1	Woosley+ CURV.	Z=10-30. A=22-70. HAUSER	
9129	MOS Revv R PHOTONUCLE	1 78 NDG		Varianov+ NDC.	TBL. 4 PAPERS CITED.	
systematics(α,n) partial raw thick target yield						
9130	SUN Expt J JRC	50 307 79 5.0+0		Giles+ TBL.	SURVEY OF PROMPT GS. Z=5-23	
systematics(α,n) σ(E)						
9131	CAL Theo J AND	22 371 N78 NDG		Woosley+ NDG.	EXOERGIC. Z=031.	
	Theo J AND	22 371 N78 NDG			.TBL OF STAT. THERMONUC. REAC. RI. PAR	
	Theo R OAP-422	875 TR	1.3+1	Woosley+ CURV.	Z=10-30. A=22-70. HAUSER	
9132	KFK Comp B PH-DAT	15 2 079	+0	+1 Muenzel+ TBL.	FROM EXFOR.	
	Comp B PH-DAT	15 1 079	+0	+1 Muenzel+ TBL.	FROM EXFOR.	
9133	BUC Revv J APH	2 133 77 2.4+1	4.4+1	Poenaru. CURV.	HEAVY ELEMENT TARGETS	

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
systematics(a,n) $\sigma(E)$						
9133	BUC Revv J APH	2 133	77 2.0+1	2.8+1	Poenaru+	TBL. HVY EL. FISS. ISO. PRD.
systematics(a,n) thick target yield						
9134	CLU Expt A BAP	23 67	178	NDG	Roughton+	NDG. CA,TI,FE,NI,CU,GE,MO
systematics(a,2n) $\sigma(E)$						
9135	KFK Comp B PH-DAT	15 2 079	+1	+1	Muenzel+	TBL. FROM EXFOR.
	Comp B PH-DAT	15 1 079	+1	+1	Muenzel+	TBL. FROM EXFOR.
9136	BUC Revv J APH	2 133	77 2.0+1	4.2+1	Poenaru.	CURV. HEAVY ELEMENT TARGETS
	Revv J APH	2 133	77 2.0+1	2.8+1	Poenaru+	TBL. HVY EL. FISS. ISO. PRD.
systematics(a,2n) ratio $\sigma(E)$						
9137	BUC Revv J APH	2 133	77 2.0+1	2.8+1	Poenaru+	TBL. RAT M/G FISS. PRD.
systematics(a,3n) $\sigma(E)$						
9138	BUC Revv J APH	2 133	77 2.0+1	4.2+1	Poenaru.	CURV. HEAVY ELEMENT TARGETS
	Revv J APH	2 133	77 2.6+1	4.2+1	Poenaru+	TBL. HVY EL. FISS. ISO. PRD.
systematics(a,3n) ratio $\sigma(E)$						
9139	BUC Revv J APH	2 133	77 2.6+1	4.2+1	Poenaru+	TBL. HVY EL. FISS. ISO. PRD.
systematics(a,4n) $\sigma(E)$						
9140	BUC Revv J APH	2 133	77 3.2+1	4.4+1	Poenaru.	CURV. HEAVY ELEMENT TARGETS
	Revv J APH	2 133	77	NDG	Poenaru+	TBL. HVY EL. FISS. ISO. PRD.
systematics(a,4n) ratio $\sigma(E)$						
9141	BUC Revv J APH	2 133	77	NDG	Poenaru+	TBL. RAT M/G FISS. PRD.
systematics(a,n+p) $\sigma(E)$						
9142	BUC Revv J APH	2 133	77 2.4+1	4.4+1	Poenaru.	CURV. HEAVY ELEMENT TARGETS
	Revv J APH	2 133	77 4.6+1		Poenaru+	TBL. HVY EL. FISS. ISO. PRD.
systematics(a,n+d) $\sigma(E)$						
9143	BUC Revv J APH	2 133	77 2.4+1	4.4+1	Poenaru.	CURV. HEAVY ELEMENT TARGETS
systematics(a,2n+p) $\sigma(E)$						
9144	BUC Revv J APH	2 133	77 2.4+1	4.4+1	Poenaru.	CURV. HEAVY ELEMENT TARGETS
	Revv J APH	2 133	77 4.3+1		Poenaru+	TBL. HVY EL. FISS. ISO. PRD.
systematics(a,2n+d) $\sigma(E)$						
9145	BUC Revv J APH	2 133	77 3.0+1	4.2+1	Poenaru.	CURV. HEAVY ELEMENT TARGETS
systematics(a,n+t) $\sigma(E)$						
9146	BUC Revv J APH	2 133	77 3.0+1	4.2+1	Poenaru.	CURV. HEAVY ELEMENT TARGETS
systematics(a,3n+p) $\sigma(E)$						
9147	BUC Revv J APH	2 133	77 3.0+1	4.2+1	Poenaru.	CURV. HEAVY ELEMENT TARGETS
	Revv J APH	2 133	77 4.6+1		Poenaru+	TBL. HVY EL. FISS. ISO. PRD.
systematics(a,n+a) $\sigma(E)$						
9148	BUC Revv J APH	2 133	77 2.8+1	4.8+1	Poenaru.	CURV. HEAVY ELEMENT TARGETS
systematics(a,p) partial raw thick target yield						
9149	SUN Expt J JRC	50 307	79 5.0+0		Giles+	TBL. SURVEY OF PROMPT GS. Z=5-19
systematics(a,p) $\sigma(E)$						
9150	CAL Theo. J AND	22 371	N78	NDG	Woosley+	NDG. EXOERGIC. Z=9-33.
	Theo J AND	22 371	N78	NDG		TBL OF STAT. THERMONUC. REAC. RT. PAR
	Theo R OAP-422		875	TR	1.3+1	Woosley+ CURV. Z=10-30. A=22-70. HAUSER
9151	BUC Revv J APH	2 133	77 2.4+1	4.4+1	Poenaru.	CURV. HEAVY ELEMENT TARGETS
	Revv J APH	2 133	77 2.6+1	4.5+1	Poenaru+	TBL. HVY EL. FISS. ISO. PRD.
systematics(a,p) thick target yield						
9152	CLU Expt A BAP	23 67	178	NDG	Roughton+	NDG. CA,TI,FE,NI,CU,GE,MO
systematics(a,d) $\sigma(E)$						
9153	BUC Revv J APH	2 133	77 2.4+1	4.4+1	Poenaru.	CURV. HEAVY ELEMENT TARGETS
systematics(a,l) $\sigma(E)$						
9154	BUC Revv J APH	2 133	77 2.4+1	4.4+1	Poenaru.	CURV. HEAVY ELEMENT TARGETS

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		systematics($\alpha, \alpha+n$)	$\sigma(E)$			
9155	BUC Rev J APH	2 133 77	4.6+1		Poenaru+	TBL. HVY EL. FISS. ISO. PRD.
		systematics(α, x)y	$\sigma(E)$			
9156	GSF Eval J AJ/S	40 487 779	8.0+0	4.0+3	Ramaty+	CURV. FOR ASTRO. SITE STUDIES.
	Eval R NASA-TM-79654	79 8.0+0	4.0+3			. SAME AS AJ/S 40, 487(1979).
		systematics(α, x)y	thick target yield			
9157	CCP Expt R YK-	21 73 76	4.6+1		Matusevich+	CURV. TBL. THETA = 0 DEG.
	Expt R INDC(CCP)-103	577 4.6+1				. TRANSLATION OF T. OF C. (YK 21, 73(1976)
		systematics(α, x)n	$\sigma(E)$			
9158	HAU Expt P DOE-NDC-15	224 479	TR	9.0+0	Grant+	LOW Z TRGTS. UNDER CONSTRUCTION.
		systematics(α, x)isotopic distribution	thick target yield			
9159	USA Rev J IRE	26 1729 279	+1		Tilbury+	TBL. RADIOISOTOPE PROD AT SKI.
		systematics(α, xn)isotopic distribution	partial $\sigma(E)$			
9160	MSU Expt A DA/B	39 2299 N78	NDG		Saha.	ENRICHED HG TRGT. PB PROD. HIGH J.
		$^6\text{Li}(^6\text{Li}, 2\alpha)^4\text{He}$	$\sigma(E)$			
9161	BRK Theo J NSE	69 107 179	NDG		Ruby+	NDG. FROM UNIV. IOWA RPT 77-41.
9162	SUI Expt J NSE	66 441 678	1.0+0 5.5+0		Norbeck.	CURV. MEAS. HI-E PK AT 60 DEG.
		$^6\text{Li}(^6\text{Li}, n+\alpha)^7\text{Be}$	$\sigma(E)$			
9163	BRK Theo J NSE	69 107 179	NDG		Ruby+	NDG. FROM RUBY+ TBP IN NSE
	Expt J NSE	63 197 677	1.6+0 5.0+0		Ruby+	TBL.
		$^6\text{Li}(^6\text{Li}, n+\alpha)^7\text{Be}$	$\sigma(E)$			
9164	BRK Expt A DA/B	39 938 878	3.0+0 1.5+1		Wong.	NDG. NAI(TL) SYSTEM. L16-F.
		$^6\text{Li}(^6\text{Li}, ^3\text{He})^7\text{Be}$	$\sigma(E)$			
9165	BRK Expt J NSE	71 280 979	3.0+0 1.5+1		Ruby+	TBL. CURV. CORRECTED FOR 19F+6Li
		$^6\text{Li}(^6\text{Li}, t)^9\text{B}$	$\sigma(E)$			
9166	BRK Theo J NSE	69 107 179	NDG		Ruby+	NDG. FROM PR 152, 932(1956).
		$^6\text{Li}(^6\text{Li}, d)^{10}\text{B}$	$\sigma(E)$			
9167	BRK Theo J NSE	69 107 179	NDG		Ruby+	NDG. FROM PR 152, 932(1956).
		$^6\text{Li}(^6\text{Li}, p)^{11}\text{B}$	$\sigma(E)$			
9168	BRK Theo J NSE	69 107 179	NDG		Ruby+	NDG. FROM PR 152, 932(1956).
		$^6\text{Li}(^6\text{Li}, n)^{11}\text{C}$	$\sigma(E)$			
9169	BRK Theo J NSE	69 107 179	NDG		Ruby+	1/3 OF (6Li, p) SIGMA. FROM RUBY+
	Expt W TBP IN NSE	179 NDG			Ruby+	NDG. CITED IN NSE 69, 107(1979).
		$^{12}\text{C}(^6\text{Li}, x)^7\text{Be}$	$\sigma(E)$			
9170	BRK Expt J NSE	71 280 979	2.3+0 1.5+1		Ruby+	TBL. 6Li19F TRGT.
		$^{12}\text{C}(^6\text{Li}, d)^{10}\text{B}$	partial $\sigma(E)$			
9171	BNL Expt J NP/A	305 313 778	4.2+1		Becchetti+	TBL. INTAD(10-140) CFO HF+DIR
		$^{16}\text{O}(^6\text{Li}, d)^{20}\text{Ne}$	product yield			
9172	ROC Expt A BAP	24 13 179	NDG		Anantaraman+	NDG. WITHIN 20% OF OTHERS.
		$^{18}\text{O}(^6\text{Li}, d)^{22}\text{Ne}$	product yield			
9173	ROC Expt A BAP	24 13 179	NDG		Anantaraman+	NDG. WITHIN 20% OF OTHERS.
		$^{19}\text{F}(^6\text{Li}, ^7\text{Be})^{18}\text{O}$	$\sigma(E)$			
9174	BRK Expt J NSE	71 280 979	1.2+1 1.5+1		Ruby+	NDG. APPRECIABLE.
		$^{19}\text{F}(^6\text{Li}, p)^{24}\text{Na}$	$\sigma(E)$			
9175	BRK Expt J NSE	71 280 979	2.3+0 1.5+1		Ruby+	TBL. DETECTED 2.75-MEV GAMMA.
		$^{12}\text{C}(^6\text{Li}, x)^7\text{Be}$	$\sigma(E)$			
9176	BRK Expt J NSE	71 280 979	2.3+0 1.5+1		Ruby+	TBL. 6Li19F TRGT.
		$^{20}\text{Ne}(^6\text{Li}, d)^{24}\text{Mg}$	product yield			
9177	ROC Expt A BAP	24 13 179	NDG		Anantaraman+	NDG. 0.6 TIMES OLD MEASURE

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
	$^{22}\text{Ne}(^6\text{Li},d)^{26}\text{Mg}$	product yield			
9178	ROC Expt A BAP	24 13 179 NDG			Anantaraman+ NDG. WITHIN 20% OF OTHERS.
	$^{24}\text{Mg}(^6\text{Li},t)^{27}\text{Si}$	product yield			
9179	WIT Expt P INDC(SEC)-61	077 TR	2.4+0		Selischop+ NDG. P. 333
	$^{24}\text{Mg}(^6\text{Li},d)^{28}\text{Si}$	product yield			
9180	WIT Expt P INDC(SEC)-61	077 TR	2.4+0		Selischop+ NDG. P. 333
	$^{36}\text{Ar}(^6\text{Li},d)^{40}\text{Ca}$	product yield			
9181	ROC Expt A BAP	24 13 179 NDG			Anantaraman+ NDG. WITHIN 20% OF OTHERS.
	$^{40}\text{Ca}(^6\text{Li},n)^{45}\text{V}$	partial product yield			
9182	ANL Expt P ANL-79-40	82 79 NDG			Gronmeyer+ NDG. LOW PRODUCTION OF 56.4G
	$^{54}\text{Fe}(^6\text{Li},x)$	partial $\sigma(E)$			
9183	INU Expt J PR/C	19 725 379 1.0+1 9.5+1			Jastrzebski+ CURV. SUM OF PRODS. CFD TH
	$^{54}\text{Fe}(^6\text{Li},d)^{58}\text{Ni}$	partial relative $\sigma(E)$			
9184	LAS Exth J NP/A 321	471 679 3.4+1			Hanson+CURV.Q-DEP. UWUCK. CFD (100,120)
	$^{54}\text{Fe}(^6\text{Li},x)$	isotopic distribution $\sigma(E)$			
9185	INU Expt J PR/C	19 725 379 9.8+0 9.4+1			Jastrzebski+ TBL. 14 PROD. ACTIVATION.
	$^{56}\text{Fe}(^6\text{Li},x)$	partial $\sigma(E)$			
9186	INU Expt J PR/C	19 725 379 1.0+1 9.5+1			Jastrzebski+ CURV. SUM OF PRODS. CFD TH
	$^{56}\text{Fe}(^6\text{Li},x)$	compound-nucleus $\sigma(E)$			
9187	INU Expt J PR/C	19 725 379 6.0+1 8.0+1			Jastrzebski+ EST. FUS=1.3+-.28.
	$^{56}\text{Fe}(^6\text{Li},\text{absorption})$	$\sigma(E)$			
9188	INU Expt A BAP	21 1005 76 6.6+1 9.1+1			Kerwowski+ TBL. SUMMED RESIDUAL SIGMAS
9189	INU Expt J PR/C	21 179 180 7.5+1			Castenda+ TBL. PARABOLIC MODEL.
	$^{56}\text{Fe}(^6\text{Li},\text{total})$	$\sigma(E)$			
9190	INU Expt J PL/B	77 371 878 7.5+1			Castenda+ TBL. PARABOLIC MODEL
	$^{56}\text{Fe}(^6\text{Li},\text{total})$	$\sigma(E)\times\text{factor}$			
9191	INU Expt J PL/B	77 371 878 7.5+1			Castenda+ TBL. RATIO AU197/FE56. PAR. MOD
	$^{56}\text{Fe}(^6\text{Li},x)_y$	$\sigma(E)$			
9192	INU Expt A BAP	21 1005 76 6.6+1 9.1+1			Kerwowski+ NDG. MEASURED GAMMAS
	$^{56}\text{Fe}(^6\text{Li},x)^{2}\text{H}$	partial $\sigma(E)$			
9193	INU Expt J PR/C	21 179 180 7.5+1			Castenda+ TBL. CURV. BEAM-VELOCITY YLDS
	Expt J PL/B	77 371 878 7.5+1			Castenda+ TBL. BEAM-VELOCITY FRAG.
	$^{56}\text{Fe}(^6\text{Li},x)^{2}\text{H}$	partial $\sigma(E)\times\text{factor}$			
9194	INU Expt J PR/C	21 179 180 7.5+1			Castenda+ CURV. RATIO D,T,HE3/A PROD.
	Expt J PL/B	77 371 878 7.5+1			Castenda+ TBL. RATIO AU197/FE56 BEAM-VE
	$^{56}\text{Fe}(^6\text{Li},x)^{3}\text{H}$	partial $\sigma(E)$			
9195	INU Expt J PR/C	21 179 180 7.5+1			Castenda+ TBL. CURV. BEAM-VELOCITY YLDS
	Expt J PL/B	77 371 878 7.5+1			Castenda+ TBL. BEAM-VELOCITY FRAG.
	$^{56}\text{Fe}(^6\text{Li},x)^{3}\text{H}$	partial $\sigma(E)\times\text{factor}$			
9196	INU Expt J PL/B	77 371 878 7.5+1			Castenda+ TBL. RATIO AU197/FE56 BEAM-VE
	$^{56}\text{Fe}(^6\text{Li},x)^{3}\text{He}$	partial $\sigma(E)$			
9197	INU Expt J PR/C	21 179 180 7.5+1			Castenda+ TBL. CURV. BEAM-VELOCITY YLDS
	Expt J PL/B	77 371 878 7.5+1			Castenda+ TBL. BEAM-VELOCITY FRAG.
	$^{56}\text{Fe}(^6\text{Li},x)^{3}\text{He}$	partial $\sigma(E)\times\text{factor}$			
9198	INU Expt J PR/C	21 179 180 7.5+1			Castenda+ CURV. RATIO D,T,HE3/A PROD.
	Expt J PL/B	77 371 878 7.5+1			Castenda+ TBL. RATIO AU197/FE56 BEAM-VE
	$^{56}\text{Fe}(^6\text{Li},x)^{4}\text{He}$	partial $\sigma(E)$			
9199	INU Expt J PR/C	21 179 180 7.5+1			Castenda+ TBL. CURV. BEAM-VELOCITY YLDS
	Expt J PL/B	77 371 878 7.5+1			Castenda+ TBL. BEAM-VELOCITY FRAG.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{56}\text{Fe}(\text{Li},\text{x})^4\text{He}$ partial $\sigma(\text{E}) \times \text{factor}$					
9200	INU Expt J PR/C	21 179 180	7.5+1		Castenda+ CURV. RATIO D.T,HE3/A PROD.
	Expt J PL/B	77 371 878	7.5+1		Castenda+ TBL. RATIO AU107/FE56 BEAM-VE
$^{56}\text{Fe}(\text{Li},^7\text{Be})^{55}\text{Mn}$ thick target yield					
9201	INU Expt A BAP	22 634 477	6.5+1	8.5+1	Jastrzebski+ NDG.
$^{56}\text{Fe}(\text{Li},\text{x})$ mass distribution $\sigma(\text{E})$					
9202	INU Expt J PR/C	19 725 379	1.0+1	9.5+1	Jastrzebski+ CURV. A=46-60.
$^{56}\text{Fe}(\text{Li},\text{x})$ isotopic distribution $\sigma(\text{E})$					
9203	INU Expt J PR/C	19 724 379	5.5+1	9.9+1	Jastrzebski+ TBL. 27 PROD. IN-BEAM G SP
	Expt J PR/C	19 724 379	1.5+1	9.5+1	Jastrzebski+ TBL. 15 PROD. ACTIVATION
9204	INU Expt A BAP	22 634 477	6.5+1	8.5+1	Jastrzebski+ NDG.
	Expt W IUCFNEWSLETTER	77 6.5+1	8.5+1		Singh+ NDG.
$^{56}\text{Fe}(\text{Li},\text{x})$ isotopic distribution average v_y					
9205	INU Expt A BAP	23 626 478	6.6+1		Karwowski+ NDG. FUNC. OF RES. NUCL.
$^{57}\text{Fe}(\text{Li},\text{x})$ isotopic distribution $\sigma(\text{E})$					
9206	INU Expt W IUCFNEWSLETTER	77 6.5+1	8.5+1		Singh+ NDG.
$^{58}\text{Fe}(\text{Li},\text{x})$ isotopic distribution $\sigma(\text{E})$					
9207	INU Expt A BAP	22 634 477	6.5+1	8.5+1	Jastrzebski+ NDG.
	Expt W IUCFNEWSLETTER	77 6.5+1	8.5+1		Singh+ NDG.
$^{58}\text{Ni}(\text{Li},\text{absorption})$ $\sigma(\text{E})$					
9208	INU Expt A BAP	21 1005 76	6.6+1	9.1+1	Karwowski+ TBL. SUMMED RESIDUAL SIGMAS
$^{58}\text{Ni}(\text{Li},\text{x})_y$ $\sigma(\text{E})$					
9209	INU Expt A BAP	21 1005 76	6.6+1	9.1+1	Karwowski+ NDG. MEASURED GAMMAS
$^{58}\text{Ni}(\text{Li},\text{x})$ isotopic distribution $\sigma(\text{E})$					
9210	INU Expt A BAP	21 1005 76	6.6+1	9.1+1	Karwowski+NDG.35 NUCLEI FROM GAMMA MEAS
$^{64}\text{Ni}(\text{Li},^2\text{n+p})^{67}\text{Zn}$ relative I_y					
9211	NOT Expt J NP/A	280 161 477	NDG		Neal+ NDG. PRELIM. MEAS.
$^{93}\text{Nb}(\text{Li},\text{xn})$ isotopic distribution $\sigma(\text{E})$					
9212	INU Expt A BAP	22 634 477	5.5+1	9.1+1	Gaigalas+ TBL. G-TECHNIQUE. SET LOW LIM
$^{93}\text{Nb}(\text{Li},\text{xn+p})$ isotopic distribution $\sigma(\text{E})$					
9213	INU Expt A BAP	22 634 477	5.5+1	9.1+1	Gaigalas+ TBL. G-TECHNIQUE. SET LOW LIM
$^{93}\text{Nb}(\text{Li},\text{xn+2p})$ isotopic distribution $\sigma(\text{E})$					
9214	INU Expt A BAP	22 634 477	5.5+1	9.1+1	Gaigalas+ TBL. G-TECHNIQUE. SET LOW LIM
$^{93}\text{Nb}(\text{Li},\text{xn+3p})$ isotopic distribution $\sigma(\text{E})$					
9215	INU Expt A BAP	22 634 477	5.5+1	9.1+1	Gaigalas+ TBL. G-TECHNIQUE. SET LOW LIM
$^{104}\text{Ru}(\text{Li},^3\text{n})^{107}\text{Ag}$ partial relative $\sigma(\text{E})$					
9216	KLN Expt J ZP/A	293 301 79	2.6+1	3.4+1	Schuh+ CURV. $\frac{7}{8}$ GS. GE(LI) AT 125 DEG.
$^{104}\text{Pd}(\text{Li},\text{x})$ compound-nucleus $\sigma(\text{E})$					
9217	INU Exth J PR/C	16 1437 077	5.4+1	9.9+1	Castaneda+ CURV. GDHM CALC.
	Exth J PR/C	16 1437 077	5.4+1	9.9+1	Castaneda+ CURV. EXCLUDING (P,3PXN)
$^{104}\text{Pd}(\text{Li},\text{xn})$ isotopic distribution $\sigma(\text{E})$					
9218	INU Exth J PR/C	16 1437 077	5.4+1	9.9+1	Castaneda+ TBL. CURV. IN-BEAM+DCY G.X=2-5
	Exth J PR/C	16 1437 077	5.4+1		Castaneda+ CURV. X=2-5. EXP. + GDHM.
$^{104}\text{Pd}(\text{Li},\text{xn+p})$ isotopic distribution $\sigma(\text{E})$					
9219	INU Exth J PR/C	16 1437 077	5.4+1	9.9+1	Castaneda+ TBL. CURV. IN-BEAM+DCY G.X=2-6
	Exth J PR/C	16 1437 077	5.4+1		Castaneda+ CURV. X=2-5. EXP. + GDHM.
	Exth J PR/C	16 1437 077	5.4+1	9.9+1	Castaneda+ X=0.1 NOT OBSERVED.
$^{104}\text{Pd}(\text{Li},\text{xn+2p})$ isotopic distribution $\sigma(\text{E})$					
9220	INU Exth J PR/C	16 1437 077	5.4+1	9.9+1	Castaneda+ TBL. CURV. IN-BEAM+DCY G.X=2-7
	Exth J PR/C	16 1437 077	5.4+1		Castaneda+ CURV. X=0-4. EXP. + GDHM.
	Exth J PR/C	16 1437 077	5.4+1	9.9+1	Castaneda+ X = 1 NOT OBSERVED.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author. Comments
$^{105}\text{Pd}(\text{Li}, \text{xn+p})$ isotopic distribution $\sigma(\text{E})$				
9221 INU Expt A BAP	21 1005 76 6.6+1 9.1+1	1005	76 6.6+1 9.1+1	Castaneda+ NDG. CD AND AG DOMINANT.
$^{105}\text{Pd}(\text{Li}, \text{xn}+2\text{p})$ isotopic distribution $\sigma(\text{E})$				
9222 INU Expt A BAP	21 1005 76 6.6+1 9.1+1	1005	76 6.6+1 9.1+1	Castaneda+ NDG. CD AND AG DOMINANT
$^{106}\text{Pd}(\text{Li}, \text{x})$ compound-nucleus $\sigma(\text{E})$				
9223 INU Exth J PR/C	16 1437 077 5.4+1 9.9+1	1437 077	5.4+1 9.9+1	Castaneda+ CURV. GDHM CALC.
Exth J PR/C	16 1437 077 5.4+1 9.9+1	1437 077	5.4+1 9.9+1	Castaneda+ CURV. EXCLUDING (P,3PXN)
$^{106}\text{Pd}(\text{Li}, \text{absorption})$ $\sigma(\text{E})$				
9224 INU Expt J PR/C	21 179 180 7.5+1	179 180	7.5+1	Castenda+ TBL. PARABOLIC MODEL.
$^{106}\text{Pd}(\text{Li}, \text{x})^2\text{H}$ partial $\sigma(\text{E}) \times \text{factor}$				
9225 INU Expt J PR/C	21 179 180 7.5+1	179 180	7.5+1	Castenda+ CURV. RATIO D.T., HE3/A PROD.
$^{106}\text{Pd}(\text{Li}, \text{x})^2\text{H}$ partial $\sigma(\text{E})$				
9226 INU Expt J PR/C	21 179 180 7.5+1	179 180	7.5+1	Castenda+ TBL. CURV. BEAM-VELOCITY YLD.
$^{106}\text{Pd}(\text{Li}, \text{x})^3\text{H}$ partial $\sigma(\text{E}) \times \text{factor}$				
9227 INU Expt J PR/C	21 179 180 7.5+1	179 180	7.5+1	Castenda+ CURV. RATIO D.T., HE3/A PROD.
$^{106}\text{Pd}(\text{Li}, \text{x})^3\text{H}$ partial $\sigma(\text{E})$				
9228 INU Expt J PR/C	21 179 180 7.5+1	179 180	7.5+1	Castenda+ TBL. CURV. BEAM-VELOCITY YLD.
$^{106}\text{Pd}(\text{Li}, \text{x})^3\text{He}$ partial $\sigma(\text{E}) \times \text{factor}$				
9229 INU Expt J PR/C	21 179 180 7.5+1	179 180	7.5+1	Castenda+ CURV. RATIO D.T., HE3/A PROD.
$^{106}\text{Pd}(\text{Li}, \text{x})^3\text{He}$ partial $\sigma(\text{E})$				
9230 INU Expt J PR/C	21 179 180 7.5+1	179 180	7.5+1	Castenda+ TBL. CURV. BEAM-VELOCITY YLD.
$^{106}\text{Pd}(\text{Li}, \text{x})^4\text{He}$ partial $\sigma(\text{E}) \times \text{factor}$				
9231 INU Expt J PR/C	21 179 180 7.5+1	179 180	7.5+1	Castenda+ CURV. RATIO D.T., HE3/A PROD.
$^{108}\text{Pd}(\text{Li}, \text{x})^4\text{He}$ partial $\sigma(\text{E})$				
9232 INU Expt J PR/C	21 179 180 7.5+1	179 180	7.5+1	Castenda+ TBL. CURV. BEAM-VELOCITY YLD.
$^{108}\text{Pd}(\text{Li}, 3\text{n+p})^{108}\text{Cd}$ $\sigma(\text{E})$				
9233 INU Exth J PR/C	16 1437 077 5.4+1 9.1+1	1437 077	5.4+1 9.1+1	Castaneda+ CURV. FUS-EVAP MODEL + GDHM
$^{106}\text{Pd}(\text{Li}, 4\text{n})^{106}\text{In}$ $\sigma(\text{E})$				
9234 INU Exth J PR/C	16 1437 077 5.4+1 9.9+1	1437 077	5.4+1 9.9+1	Castaneda+ CURV. FUS-EVAP MODEL AND GDHM
$^{108}\text{Pd}(\text{Li}, \text{xn})$ charge distribution partial $\sigma(\text{E})$				
9235 INU Exth J PR/C	16 1437 077 5.4+1 9.9+1	1437 077	5.4+1 9.9+1	Castaneda+ CURV. SUM OF IN PROD. X=4-7.
Exth J PR/C	16 1437 077 5.4+1 9.9+1	1437 077	5.4+1 9.9+1	Castaneda+ CURV. GDHM CALC.
$^{106}\text{Pd}(\text{Li}, \text{xn+p})$ charge distribution partial $\sigma(\text{E})$				
9236 INU Exth J PR/C	16 1437 077 5.4+1 9.9+1	1437 077	5.4+1 9.9+1	Castaneda+ CURV. SUM OF CD PROD. X=2-8.
Exth J PR/C	16 1437 077 5.4+1 9.9+1	1437 077	5.4+1 9.9+1	Castaneda+ CURV. GDHM CALC.
$^{106}\text{Pd}(\text{Li}, \text{xn})$ isotopic distribution $\sigma(\text{E})$				
9237 INU Exth J PR/C	16 1437 077 5.4+1 9.9+1	1437 077	5.4+1 9.9+1	Castaneda+ TBL. CURV. IN-BEAM+DCY G.X=4-7
Exth J PR/C	16 1437 077 5.4+1	1437 077	5.4+1	Castaneda+ CURV. X=2-5. EXP. + GDHM.
$^{106}\text{Pd}(\text{Li}, \text{xn+p})$ isotopic distribution $\sigma(\text{E})$				
9238 INU Exth J PR/C	16 1437 077 5.4+1 9.9+1	1437 077	5.4+1 9.9+1	Castaneda+ TBL. CURV. IN-BEAM+DCY G.X=2,4-8
Exth J PR/C	16 1437 077 5.4+1	1437 077	5.4+1	Castaneda+ CURV. X=2-5. EXP. + GDHM.
$^{106}\text{Pd}(\text{Li}, \text{xn}+2\text{p})$ isotopic distribution $\sigma(\text{E})$				
9239 INU Exth J PR/C	16 1437 077 5.4+1 9.9+1	1437 077	5.4+1 9.9+1	Castaneda+ TBL. CURV. IN-BEAM+DCY G.X=3-9
Exth J PR/C	16 1437 077 5.4+1	1437 077	5.4+1	Castaneda+ CURV. X=0-4. EXP. + GDHM.
$^{108}\text{Pd}(\text{Li}, 4\text{n})^{110}\text{In}$ partial product yield				
9240 SUB Expt A DA/B	38 249 777 NDG	249 777	NDG	Eiberti+ NDG.
$^{114}\text{Sn}(\text{Li}, 2\text{n+p})^{117}\text{Te}$ product yield				
9241 STB Expt A BAP	22 594 477 3.3+1	594 477	3.3+1	Gai+ NDG.
$^{118}\text{Sn}(\text{Li}, 2\text{n+p})^{119}\text{Te}$ product yield				
9242 STB Expt A BAP	22 594 477 3.3+1	594 477	3.3+1	Gai+ NDG.

REFERENCES(cont.)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{118}\text{Sn}(^6\text{Li}, \alpha+d)^{118}\text{Sn}$	$\sigma(E)$		
9243	HEI Expt J NP/A	288	351	977 2.2+1	Scholz+ (19+-4)MB. INTAD. SEQ. BREAKUP
		$^{126}\text{Te}(^6\text{Li}, ^3\text{He})^{129}\text{Cs}$	partial product yield		
9244	STB Expt A DA/B	39	4948	479 NDG	Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
		$^{127}\text{Te}(^6\text{Li}, ^3\text{He})^{130}\text{Cs}$	partial product yield		
9245	STB Expt A DA/B	39	4948	479 NDG	Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
		$^{128}\text{Te}(^6\text{Li}, ^4\text{He})^{130}\text{Cs}$	relative I_γ		
9246	STB Expt A BAP	24	650	479 NDG	Chowdhury+ NDG. IN-BEAM GAMMAS.
		$^{128}\text{Te}(^6\text{Li}, ^3\text{He})^{131}\text{Cs}$	partial product yield		
9247	STB Expt A DA/B	39	4948	479 NDG	Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
		$^{129}\text{Te}(^6\text{Li}, ^3\text{He})^{132}\text{Cs}$	partial product yield		
9248	STB Expt A DA/B	39	4948	479 NDG	Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
		$^{130}\text{Te}(^6\text{Li}, ^4\text{He})^{132}\text{Cs}$	relative I_γ		
9249	STB Expt A BAP	24	650	479 NDG	Chowdhury+ NDG. IN-BEAM GAMMAS.
		$^{130}\text{Te}(^6\text{Li}, ^3\text{He})^{133}\text{Cs}$	partial product yield		
9250	STB Expt A DA/B	39	4948	479 NDG	Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
		$^{142}\text{Nd}(^6\text{Li}, ^5\text{He})^{143}\text{Eu}$	product yield		
9251	NOT Expt A DA/B	40	1237	979 6.5+1	Rakel. NDG. 11 LEVELS ABOVE 716 KEV.
		$^{142}\text{Nd}(^6\text{Li}, ^3\text{He})^{145}\text{Eu}$	partial relative $\sigma(E)$		
9252	NOT Expt J PR/C	21	595	280 2.6+1 3.4+1	Rakel+ NDG. GE(LI) DETECTORS.
	Expt J PR/C	21	595	280 3.4+1	Rakel+ TBL. 21 GAMMAS.
		$^{142}\text{Nd}(^6\text{Li}, xn)$	isotopic distribution	$\sigma(E)$	
9253	INU Exth J PR/C	17	1001	378 5.4+1 9.9+1	Fleissner+ TBL. X=4-8. CFD GDHM.
		$^{142}\text{Nd}(^6\text{Li}, xn+p)$	isotopic distribution	$\sigma(E)$	
9254	INU Exth J PR/C	17	1001	378 5.4+1 9.9+1	Fleissner+ TBL. X=3-8. CFD GDHM.
		$^{144}\text{Nd}(^6\text{Li}, ^5\text{He})^{145}\text{Eu}$	product yield		
9255	NOT Expt A DA/B	40	1237	979 3.4+1	Rakel. NDG. 11 LEVELS ABOVE 716 KEV.
		$^{145}\text{Nd}(^6\text{Li}, ^4\text{He})^{147}\text{Eu}$	partial relative $\sigma(E)$		
9256	NOT Expt J PR/C	16	227	777 2.6+1 3.4+1	Fleissner+ CURV. RELATIVE GAMMA YIELD.
		$^{145}\text{Nd}(^6\text{Li}, ^3\text{He})^{148}\text{Eu}$	relative I_γ		
9257	NOT Expt J PR/C	16	227	777 2.6+1 3.4+1	Fleissner+ CURV. 3 GAMMAS.
		$^{145}\text{Nd}(^6\text{Li}, ^2\text{He})^{148}\text{Eu}$	partial relative $\sigma(E)$		
9258	NOT Expt J PR/C	16	227	777 2.6+1 3.2+1	Fleissner+ CURV. RELATIVE GAMMA YIELD
		$^{146}\text{Nd}(^6\text{Li}, xn)$	isotopic distribution	$\sigma(E)$	
9259	INU Exth J PR/C	17	1001	378 5.4+1 9.9+1	Fleissner+ TBL. X=4-9. CFD GDHM.
		$^{146}\text{Nd}(^6\text{Li}, xn+p)$	isotopic distribution	$\sigma(E)$	
9260	INU Exth J PR/C	17	1001	378 5.4+1 9.9+1	Fleissner+ TBL. X=3-8. CFD. GDHM.
		$^{146}\text{Nd}(^6\text{Li}, xn+\alpha)$	isotopic distribution	$\sigma(E)$	
9261	INU Expt A BAP	21	1006	76 5.0+1 1.0+2	Fleissner+ NDG. MAX YLD AT 77MEV.
		$^{150}\text{Nd}(^6\text{Li}, xn)$	isotopic distribution	$\sigma(E)$	
9262	INU Exth J PR/C	17	1001	378 5.4+1 9.9+1	Fleissner+ CURV. TBL. X = 5-9. CFD GDHM
		$^{150}\text{Nd}(^6\text{Li}, xn+p)$	isotopic distribution	$\sigma(E)$	
9263	INU Exth J PR/C	17	1001	378 5.4+1 9.9+1	Fleissner+ CURV. TBL. X = 3-8. CFD GDHM
		$^{150}\text{Nd}(^6\text{Li}, xn+\alpha)$	isotopic distribution	$\sigma(E)$	
9264	INU Expt A BAP	21	1006	76 5.0+1 1.0+2	Fleissner+ NDG. MAX YLD AT 77MEV.
		$^{144}\text{Sm}(^6\text{Li}, ^3\text{He})^{147}\text{Tb}$	partial product yield		
9265	MCG Expt A PC	35	7	79 NDG	Khan+ NDG. HIGH-SPIN STATES.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{144}\text{Sm}(^6\text{Li}, 2n)^{148}\text{Tb}$ partial relative $\sigma(E)$					
9266	MCM Expt J CJP	57	358	79 3.2+1	3.6+1 Singhal+ CURV. 17 SELECTED GS. 3 ENERG.
	Expt J CJP	57	358	79 3.6+1	Singhal+ TBL. 11 GS. GE(L1).
$^{150}\text{Sm}(^6\text{Li}, xn+p)$ isotopic distribution $\sigma(E)$					
9267	INU Expt A BAP	21	1005	76 5.0+1	1.0+2 Fleissner+ NDG. MAX YLD AT 77MEV.
$^{150}\text{Sm}(^6\text{Li}, xn+2p)$ isotopic distribution $\sigma(E)$					
9268	INU Exth J PR/C	17	1001	378 5.4+1	7.7+1 Fleissner+ CURV. TBL. X = 3-8. CFD GDHM
$^{147}\text{Eu}(^6\text{Li}, xn)$ isotopic distribution $\sigma(E)$					
9269	INU Expt P A-RCNP-78	83	79	8.0+1	Sakai+ CURV. X=1-7. SUM = 1.
$^{149}\text{Eu}(^6\text{Li}, xn)$ isotopic distribution $\sigma(E)$					
9270	INU Expt A DA/B	38	6010	578 2.4+1	3.6+1 Fleissner. NDG. IN-BEAM GAMMAS.
$^{151}\text{Eu}(^6\text{Li}, xn)$ isotopic distribution $\sigma(E)$					
9271	INU Expt A DA/B	38	6010	578 2.4+1	3.8+1 Fleissner. NDG. IN-BEAM GAMMAS.
$^{169}\text{Ho}(^6\text{Li}, x)$ isotopic distribution average v_y					
9272	INU Expt A BAP	23	626	478 6.6+1	Karwowski+ NDG. FUNC. OF RES. NUCL.
$^{169}\text{Ta}(^6\text{Li}, x)$ isotopic distribution average v_y					
9273	INU Expt A BAP	23	626	478 6.6+1	Karwowski+ NDG. FUNC. OF RES. NUCL.
$^{181}\text{Ta}(^6\text{Li}, \text{fission})$ $\sigma(E)$					
9274	INU Exth A BAP	24	826	979 7.5+1	9.5+1 Karwowski+ NDG. EXPT CFD STAT MODEL.
	Expt A BAP	23	951	978 7.5+1	9.5+1 Vigdor+ NDG.
$^{181}\text{Ta}(^6\text{Li}, \text{fission})$ fission yield x factor					
9275	INU Exth A BAP	24	826	979 7.5+1	9.5+1 Karwowski+ NDG. EXPT CFD STAT MODEL.
$^{181}\text{Ta}(^6\text{Li}, xn)$ $\sigma(E)$					
9276	INU Exth A BAP	24	826	979 7.5+1	9.5+1 Karwowski+ NDG. EXPT CFD STAT MODEL.
$^{181}\text{Ta}(^6\text{Li}, x)^{181}\text{H}$ $\sigma(E)$					
9277	INU Exth A BAP	24	826	979 7.5+1	9.5+1 Karwowski+ NDG. EXPT CFD STAT MODEL.
	Expt A BAP	23	951	978 7.5+1	9.5+1 Vigdor+ NDG.
$^{181}\text{Ta}(^6\text{Li}, x)^4\text{He}$ $\sigma(E)$					
9278	INU Exth A BAP	24	826	979 7.5+1	9.5+1 Karwowski+ NDG. EXPT CFD STAT MODEL.
	Expt A BAP	23	951	978 7.5+1	9.5+1 Vigdor+ NDG.
$^{181}\text{Ta}(^6\text{Li}, xn)$ charge distribution $\sigma(E)$					
9279	INU Expt J PRL	42	1733	679 7.5+1	9.4+1 Karwowski+ TBL. FROM XX COIN. X-RAY MULT
$^{181}\text{Ta}(^6\text{Li}, x)^{191}\text{Au}$ $\sigma(E)$					
9280	KFK Exth J ZP/A	280	61	77 6.2+1	1.6+2 Kropp+ CURV. IN-BEAM. HYBRID MODEL.
$^{181}\text{Ta}(^6\text{Li}, x)^{193}\text{Au}$ $\sigma(E)$					
9281	KFK Exth J ZP/A	280	61	77 4.8+1	1.1+2 Kropp+ CURV. IN-BEAM. HYBRID MODEL.
$^{181}\text{Ta}(^6\text{Li}, x)^{196}\text{Hg}$ $\sigma(E)$					
9282	KFK Exth J ZP/A	280	61	77 1.1+1	1.6+2 Kropp+ CURV. IN-BEAM. HYBRID MODEL.
$^{181}\text{Ta}(^6\text{Li}, x)^{197}\text{Hg}$ $\sigma(E)$					
9283	KFK Exth J ZP/A	280	61	77 1.0+2	1.6+2 Kropp+ CURV. IN-BEAM. HYBRID MODEL.
$^{181}\text{Ta}(^6\text{Li}, x)^{199}\text{Hg}$ $\sigma(E)$					
9284	KFK Exth J ZP/A	280	61	77 9.0+1	1.5+2 Kropp+ CURV. IN-BEAM. HYBRID MODEL.
$^{181}\text{Ta}(^6\text{Li}, x)^{190}\text{Hg}$ $\sigma(E)$					
9285	KFK Exth J ZP/A	280	61	77 6.2+1	1.6+2 Kropp+ CURV. IN-BEAM. HYBRID MODEL.
$^{181}\text{Ta}(^6\text{Li}, x)^{191}\text{Hg}$ $\sigma(E)$					
9286	KFK Exth J ZP/A	280	61	77 5.2+1	1.1+2 Kropp+ CURV. IN-BEAM. HYBRID MODEL.
$^{181}\text{Ta}(^6\text{Li}, x)^{192}\text{Hg}$ $\sigma(E)$					
9287	KFK Exth J ZP/A	280	61	77 4.7+1	1.1+2 Kropp+ CURV. IN-BEAM. HYBRID MODEL.

REFERENCES (cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
	$Ir(^6Li, x)^{193}Hg$	$\sigma(E)$			
9288	KFK Exth J ZP/A	280	61	77 4.0+1 9.2+1	Kropp+ CURV. IN-BEAM. HYBRID MODEL.
	$Ir(^6Li, x)^{194}Hg$	$\sigma(E)$			
9289	KFK Exth J ZP/A	280	61	77 4.5+1 7.8+1	Kropp+ CURV. IN-BEAM. HYBRID MODEL.
	$^{191}Ir(^6Li, 5n+p)^{191}Au$	$\sigma(E)$			
9290	KFK Exth P KFK-2379	39	76	4.8+1 1.6+2	Kropp+ NDG. IN-BEAM G-SPEC./HYBRID MODE
	$^{191}Ir(^6Li, 3n+p)^{193}Au$	$\sigma(E)$			
9291	KFK Exth P KFK-2379	39	76	4.8+1 1.6+2	Kropp+ NDG. IN-BEAM G-SPEC./HYBRID MODE
	$^{191}Ir(^6Li, 10n)^{187}Hg$	$\sigma(E)$			
9292	KFK Exth P KFK-2379	39	76	4.8+1 1.6+2	Kropp+ NDG. IN-BEAM G-SPEC./HYBRID MODE
	$^{191}Ir(^6Li, 9n)^{188}Hg$	$\sigma(E)$			
9293	KFK Exth P KFK-2379	39	76	4.8+1 1.6+2	Kropp+ NDG. IN-BEAM G-SPEC./HYBRID MODE
	$^{191}Ir(^6Li, 7n)^{180}Hg$	$\sigma(E)$			
9294	KFK Exth P KFK-2379	39	76	4.8+1 1.6+2	Kropp+ NDG. IN-BEAM G-SPEC./HYBRID MODE
	$^{191}Ir(^6Li, 6n)^{191}Hg$	$\sigma(E)$			
9295	KFK Exth P KFK-2379	39	76	4.8+1 1.6+2	Kropp+ NDG. IN-BEAM G-SPEC./HYBRID MODE
	$^{191}Ir(^6Li, 5n)^{192}Hg$	$\sigma(E)$			
9296	KFK Exth P KFK-2379	39	76	4.8+1 1.6+2	Kropp+ NDG. IN-BEAM G-SPEC./HYBRID MODE
	$^{191}Ir(^6Li, 4n)^{193}Hg$	$\sigma(E)$			
9297	KFK Exth P KFK-2379	39	76	4.8+1 1.6+2	Kropp+ NDG. IN-BEAM G-SPEC./HYBRID MODE
	$^{191}Ir(^6Li, 3n)^{194}Hg$	$\sigma(E)$			
9298	KFK Exth P KFK-2379	39	76	4.8+1 1.6+2	Kropp+ NDG. IN-BEAM G-SPEC./HYBRID MODE
	$^{193}Ir(^6Li, 7n+p)^{191}Au$	$\sigma(E)$			
9299	KFK Exth P KFK-2379	39	76	4.8+1 1.6+2	Kropp+ NDG. IN-BEAM G-SPEC./HYBRID MODE
	$^{193}Ir(^6Li, 5n+p)^{193}Au$	$\sigma(E)$			
9300	KFK Exth P KFK-2379	39	76	4.8+1 1.6+2	Kropp+ NDG. IN-BEAM G-SPEC./HYBRID MODE
	$^{193}Ir(^6Li, 12n)^{187}Hg$	$\sigma(E)$			
9301	KFK Exth P KFK-2379	39	76	4.8+1 1.6+2	Kropp+ NDG. IN-BEAM G-SPEC./HYBRID MODE
	$^{193}Ir(^6Li, 11n)^{180}Hg$	$\sigma(E)$			
9302	KFK Exth P KFK-2379	39	76	4.8+1 1.6+2	Kropp+ NDG. IN-BEAM G-SPEC./HYBRID MODE
	$^{193}Ir(^6Li, 9n)^{180}Hg$	$\sigma(E)$			
9303	KFK Exth P KFK-2379	39	76	4.8+1 1.6+2	Kropp+ NDG. IN-BEAM G-SPEC./HYBRID MODE
	$^{193}Ir(^6Li, 8n)^{191}Hg$	$\sigma(E)$			
9304	KFK Exth P KFK-2379	39	76	4.8+1 1.6+2	Kropp+ NDG. IN-BEAM G-SPEC./HYBRID MODE
	$^{193}Ir(^6Li, 7n)^{192}Hg$	$\sigma(E)$			
9305	KFK Exth P KFK-2379	39	76	4.8+1 1.6+2	Kropp+ NDG. IN-BEAM G-SPEC./HYBRID MODE
	$^{193}Ir(^6Li, 6n)^{193}Hg$	$\sigma(E)$			
9306	KFK Exth P KFK-2379	39	76	4.8+1 1.6+2	Kropp+ NDG. IN-BEAM G-SPEC./HYBRID MODE
	$^{193}Ir(^6Li, 5n)^{194}Hg$	$\sigma(E)$			
9307	KFK Exth P KFK-2379	39	76	4.8+1 1.6+2	Kropp+ NDG. IN-BEAM G-SPEC./HYBRID MODE
	$^{194}Pt(^6Li, fission)$	$\sigma(E)$			
9308	INU Exth A BAP	24	826	979 7.5+1 9.5+1	Karwowski+ NDG. EXPT CFD STAT MODEL.
	Expt A BAP	23	951	978 7.5+1 9.5+1	Vigdor+ NDG.
	$^{194}Pt(^6Li, fission)$	fission yield*factor			
9309	INU Exth A BAP	24	826	979 7.5+1 9.5+1	Karwowski+ NDG. EXPT CFD STAT MODEL.
	$^{194}Pt(^6Li, x)_n$	$\sigma(E)$			
9310	INU Exth A BAP	24	826	979 7.5+1 9.5+1	Karwowski+ NDG. EXPT CFD STAT MODEL.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{184}\text{Pt}(^6\text{Li},x)^1\text{H}$	$\sigma(E)$		
9311	INU Exth A BAP	24	826 979	7.5+1 9.5+1	Karwowski+ NDG. EXPT CFD STAT MODEL.
	Expt A BAP	23	951 978	7.5+1 9.5+1	Vigdor+ NDG.
		$^{184}\text{Pt}(^6\text{Li},x)^4\text{He}$	$\sigma(E)$		
9312	INU Exth A BAP	24	826 979	7.5+1 9.5+1	Karwowski+ NDG. EXPT CFD STAT MODEL.
	Expt A BAP	23	951 978	7.5+1 9.5+1	Vigdor+ NDG.
		$^{184}\text{Pt}(^6\text{Li},x)\text{charge distribution}$	$\sigma(E)$		
9313	INU Expt J PRL	42	1733 679	8.5+1 9.4+1	Karwowski+ TBL. FROM XX COIN. X-RAY MULT
		$^{180}\text{Pt}(^6\text{Li},\text{fission})$	$\sigma(E)$		
9314	INU Exth A BAP	24	826 979	7.5+1 9.5+1	Karwowski+ NDG. EXPT CFD STAT MODEL.
	Expt A BAP	23	951 978	7.5+1 9.5+1	Vigdor+ NDG.
		$^{180}\text{Pt}(^6\text{Li},\text{fission})$	fission yield*factor		
9315	INU Exth A BAP	24	826 979	7.5+1 9.5+1	Karwowski+ NDG. EXPT CFD STAT MODEL.
		$^{180}\text{Pt}(^6\text{Li},x)n$	$\sigma(E)$		
9316	INU Exth A BAP	24	826 979	7.5+1 9.5+1	Karwowski+ NDG. EXPT CFD STAT MODEL.
		$^{180}\text{Pt}(^6\text{Li},x)^1\text{H}$	$\sigma(E)$		
9317	INU Exth A BAP	24	826 979	7.5+1 9.5+1	Karwowski+ NDG. EXPT CFD STAT MODEL.
	Expt A BAP	23	951 978	7.5+1 9.5+1	Vigdor+ NDG.
		$^{180}\text{Pt}(^6\text{Li},x)^4\text{He}$	$\sigma(E)$		
9318	INU Exth A BAP	24	826 979	7.5+1 9.5+1	Karwowski+ NDG. EXPT CFD STAT MODEL.
	Expt A BAP	23	951 978	7.5+1 9.5+1	Vigdor+ NDG.
		$^{180}\text{Pt}(^6\text{Li},x)\text{charge distribution}$	$\sigma(E)$		
9319	INU Expt J PRL	42	1733 679	7.5+1 9.4+1	Karwowski+ TBL. FROM XX COIN. X-RAY MULT
		$^{180}\text{Pt}(^6\text{Li},x)\text{isotopic distribution}$	v_y		
9320	INU Expt J PRL	42	1732 679	8.5+1	Karwowski+ TBL. GAMMA+X-RAY MULT.
		$^{187}\text{Au}(^6\text{Li},x)$	partial $\sigma(E)$		
9321	INU Expt W NEWSLETTER22	2 278	7.5+1	1.0+2	Smith+ SUM OF FRWRD-PKD=0.5-1.8. CORREL
		$^{187}\text{Au}(^6\text{Li},\text{fission})$	$\sigma(E)$		
9322	INU Exth A BAP	24	826 979	7.5+1 9.5+1	Karwowski+ NDG. EXPT CFD STAT MODEL.
	Expt A BAP	23	951 978	7.5+1 9.5+1	Vigdor+ NDG.
9323	KFK Expt J ZP/A	280	61 77	1.1+2 1.5+2	Kropp+ TBL. IN-BEAM.
		$^{187}\text{Au}(^6\text{Li},\text{fission})$	fission yield*factor		
9324	INU Exth A BAP	24	826 979	7.5+1 9.5+1	Karwowski+ NDG. EXPT CFD STAT MODEL.
		$^{187}\text{Au}(^6\text{Li},\text{absorption})$	$\sigma(E)$		
9325	INU Expt J PR/C	21	179 180	7.5+1	Castenda+ TBL. PARABOLIC MODEL.
		$^{187}\text{Au}(^6\text{Li},\text{total})$	$\sigma(E)$		
9326	INU Expt J PL/B	77	371 878	7.5+1	Castenda+ TBL. PARABOLIC MODEL
		$^{187}\text{Au}(^6\text{Li},\text{total})$	$\sigma(E)*\text{factor}$		
9327	INU Expt J PL/B	77	371 878	7.5+1	Castenda+ TBL. RATIO AU197/FE56. PAR. MOD
		$^{187}\text{Au}(^6\text{Li},\alpha+\text{fission})$	$\sigma(E)*\text{factor}$		
9328	LAS Expt P ERDA-NDC-9	126 477	3.9+1		Britt+ NDG. $G(F)/(G(F)+G(N)+G(O))$.
		$^{187}\text{Au}(^6\text{Li},x)n$	$\sigma(E)$		
9329	INU Exth A BAP	24	826 979	7.5+1 9.5+1	Karwowski+ NDG. EXPT CFD STAT MODEL.
		$^{187}\text{Au}(^6\text{Li},x)^1\text{H}$	compound-nucleus $\sigma(E)$		
9330	INU Expt A BAP	23	951 978	7.5+1 9.5+1	Vigdor+ NDG.
		$^{187}\text{Au}(^6\text{Li},x)^1\text{H}$	$\sigma(E)$		
9331	INU Exth A BAP	24	826 979	7.5+1 9.5+1	Karwowski+ NDG. EXPT CFD STAT MODEL.
		$^{187}\text{Au}(^6\text{Li},x)^2\text{H}$	partial $\sigma(E)$		
9332	INU Expt J PR/C	21	179 180	7.5+1	Castenda+ TBL. CURV. BEAM-VELOCITY YLD.
	Expt J PL/B	77	371 878	7.5+1	Castenda+ TBL. BEAM-VELOCITY FRAG.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		¹⁹⁷ Au(⁶ Li,x) ² H partial σ(E)×factor			
9333	INU Expt J PR/C 21 Expt J PL/B 77	179 180 7.5+1 371 878 7.5+1			Castenda+ CURV. RATIO D.T.HE3/A PROD. Castenda+ TBL. RATIO AU197/FE56 BEAM-VE
		¹⁹⁷ Au(⁶ Li,x) ³ H partial σ(E)			
9334	INU Expt J PR/C 21 Expt J PL/B 77	179 180 7.5+1 371 878 7.5+1			Castenda+ TBL. CURV. BEAM-VELOCITY YLD. Castenda+ TBL. BEAM-VELOCITY FRAG.
		¹⁹⁷ Au(⁶ Li,x) ³ H partial σ(E)×factor			
9335	INU Expt J PR/C 21 Expt J PL/B 77	179 180 7.5+1 371 878 7.5+1			Castenda+ CURV. RATIO D.T.HE3/A PROD. Castenda+ TBL. RATIO AU197/FE56 BEAM-VE
		¹⁹⁷ Au(⁶ Li,x) ³ He partial σ(E)			
9336	INU Expt J PR/C 21 Expt J PL/B 77	179 180 7.5+1 371 878 7.5+1			Castenda+ TBL. CURV. BEAM-VELOCITY YLD. Castenda+ TBL. BEAM-VELOCITY FRAG.
		¹⁹⁷ Au(⁶ Li,x) ³ He partial σ(E)×factor			
9337	INU Expt J PR/C 21 Expt J PL/B 77	179 180 7.5+1 371 878 7.5+1			Castenda+ CURV. RATIO D.T.HE3/A PROD. Castenda+ TBL. RATIO AU197/FE56 BEAM-VE
		¹⁹⁷ Au(⁶ Li,x) ⁴ He partial σ(E)			
9338	INU Expt J PR/C 21 Expt J PL/B 77	179 180 7.5+1 371 878 7.5+1			Castenda+ TBL. CURV. BEAM-VELOCITY YLD. Castenda+ TBL. BEAM-VELOCITY FRAG.
		¹⁹⁷ Au(⁶ Li,x) ⁴ He partial σ(E)×factor			
9339	INU Expt J PR/C 21 Expt J PL/B 77	179 180 7.5+1 371 878 7.5+1			Castenda+ CURV. RATIO D.T.HE3/A PROD. Castenda+ TBL. RATIO AU197/FE56 BEAM-VE
		¹⁹⁷ Au(⁶ Li,x) ⁴ He compound-nucleus σ(E)			
9340	INU Expt A BAP 23	951 978 7.5+1	9.5+1		Vigdor+ NDG.
		¹⁹⁷ Au(⁶ Li,x) ⁴ He σ(E)			
9341	INU Exth A BAP 24	826 979 7.5+1	9.5+1		Karwowski+ NDG. EXPT CFD STAT MODEL.
		¹⁹⁷ Au(⁶ Li,11n+2p) ¹⁹⁰ Hg σ(E)			
9342	KFK Exth J ZP/A 280 Exth P KFK-2379	61 77 1.1+2 1.6+2 39 76 1.1+2 1.6+2			Kropp+ CURV. IN-BEAM. HYBRID MODEL. Kropp+ CURV. IN-BEAM G-SPEC/HYBRID MODE
		¹⁹⁷ Au(⁶ Li,10n+2p) ¹⁹¹ Hg σ(E)			
9343	KFK Exth J ZP/A 280	61 77 9.3+1 1.6+2			Kropp+ CURV. IN-BEAM. HYBRID MODEL.
		¹⁹⁷ Au(⁶ Li,9n+2p) ¹⁹² Hg σ(E)			
9344	KFK Exth J ZP/A 280 Exth P KFK-2379	61 77 8.3+1 1.6+2 39 76 8.5+1 1.6+2			Kropp+ CURV. IN-BEAM. HYBRID MODEL. Kropp+ CURV. IN-BEAM G-SPEC/HYBRID MODE
		¹⁹⁷ Au(⁶ Li,8n+2p) ¹⁹³ Hg σ(E)			
9345	KFK Exth J ZP/A 280	61 77 6.0+1 1.6+2			Kropp+ CURV. IN-BEAM. HYBRID MODEL.
		¹⁹⁷ Au(⁶ Li,7n+2p) ¹⁹⁴ Hg σ(E)			
9346	KFK Exth J ZP/A 280 Exth P KFK-2379	61 77 6.2+1 1.6+2 39 76 6.5+1 1.6+2			Kropp+ CURV. IN-BEAM. HYBRID MODEL. Kropp+ CURV. IN-BEAM G-SPEC/HYBRID MODE
		¹⁹⁷ Au(⁶ Li,6n+2p) ¹⁹⁵ Hg σ(E)			
9347	KFK Exth J ZP/A 280	61 77 4.8+1 1.6+2			Kropp+ CURV. IN-BEAM. HYBRID MODEL.
		¹⁹⁷ Au(⁶ Li,σ+x) ¹⁹⁵ Hg partial relative σ(E)			
9348	INU Expt J PL/B 77	371 878 7.5+1			Castenda+CURV.CASC. COIN BEAM-VEL A
		¹⁹⁷ Au(⁶ Li,σ+x) ¹⁹⁶ Hg partial relative σ(E)			
9349	INU Expt J PL/B 77	371 878 7.5+1			Castenda+CURV.CASC. COIN BEAM-VEL A
		¹⁹⁷ Au(⁶ Li,σ+x) ¹⁹⁷ Hg partial relative σ(E)			
9350	INU Expt J PL/B 77	371 878 7.5+1			Castenda+CURV.CASC. COIN BEAM-VEL A
		¹⁹⁷ Au(⁶ Li,11n+p) ¹⁹¹ Tl σ(E)			
9351	KFK Exth J ZP/A 280 Exth P KFK-2379	61 77 1.4+2 1.6+2 39 76 1.4+2 1.8+2			Kropp+ CURV. IN-BEAM. HYBRID MODEL. Kropp+ CURV. IN-BEAM G-SPEC/HYBRID MODE
		¹⁹⁷ Au(⁶ Li,9n+p) ¹⁹³ Tl σ(E)			
9352	KFK Exth J ZP/A 280 Exth P KFK-2379	61 77 1.1+2 1.6+2 39 76 1.1+2 1.6+2			Kropp+ CURV. IN-BEAM. HYBRID MODEL. Kropp+ CURV. IN-BEAM G-SPEC/HYBRID MODE

REFERENCES(cont.)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{197}\text{Au}(^6\text{Li}, 7n+p)^{195}\text{Tl}$ $\sigma(E)$					
9353	KFK Exth J ZP/A 280	61	77	7.3+1	1.6+2 Kropp+ CURV. IN-BEAM. HYBRID MODEL.
	Exth P KFK-2379	39	76	7.5+1	1.6+2 Kropp+ CURV. IN-BEAM G-SPEC/HYBRID MODE
$^{197}\text{Au}(^6\text{Li}, 5n+p)^{197}\text{Tl}$ $\sigma(E)$					
9354	KFK Exth J ZP/A 280	61	77	6.2+1	1.2+2 Kropp+ CURV. IN-BEAM. HYBRID MODEL.
	Exth P KFK-2379	39	76	6.5+1	1.6+2 Kropp+ CURV. IN-BEAM G-SPEC/HYBRID MODE
$^{197}\text{Au}(^6\text{Li}, 9n)^{194}\text{Pb}$ $\sigma(E)$					
9355	KFK Exth J ZP/A 280	61	77	9.4+1	1.6+2 Kropp+ CURV. IN-BEAM. HYBRID MODEL.
	Exth P KFK-2379	39	76	9.5+1	1.6+2 Kropp+ CURV. IN-BEAM G-SPEC/HYBRID MODE
$^{197}\text{Au}(^6\text{Li}, 7n)^{196}\text{Pb}$ $\sigma(E)$					
9356	KFK Exth J ZP/A 280	61	77	6.1+1	1.4+2 Kropp+ CURV. IN-BEAM. HYBRID MODEL.
	Exth P KFK-2379	39	76	6.5+1	1.6+2 Kropp+ CURV. IN-BEAM G-SPEC/HYBRID MODE
$^{197}\text{Au}(^6\text{Li}, 5n)^{198}\text{Pb}$ $\sigma(E)$					
9357	KFK Exth J ZP/A 280	61	77	4.8+1	9.5+1 Kropp+ CURV. IN-BEAM. HYBRID MODEL.
	Exth P KFK-2379	39	76	5.0+1	1.6+2 Kropp+ CURV. IN-BEAM G-SPEC/HYBRID MODE
$^{197}\text{Au}(^6\text{Li}, xn)\text{charge distribution}$ $\sigma(E)$					
9358	INU Expt J PRL	42	1733	679	7.5+1 9.4+1 Karwoski+ TBL. FROM XX COIN. X-RAY MULT
$^{197}\text{Au}(^6\text{Li}, xn)\text{isotopic distribution}$ γ_y					
9359	INU Expt J PRL	42	1732	679	8.5+1 Karwoski+ TBL. GAMMA+X-RAY MULT.
$^{197}\text{Au}(^6\text{Li}, xn+\alpha)\text{isotopic distribution}$ $\sigma(E)+\text{factor}$					
9360	LAS Expt P ERDA-NDC-9	126	477	3.9+1	Brill+ NDG. EVAPORATION RESIDUE PROB.
$^{204}\text{Pb}(^6\text{Li}, 3n)^{207}\text{At}$ partial $\sigma(E)$					
9361	STB Expt A DA/B	39	2376	N78	NDG Sjoreen. NDG. IN-BEAM G+DLY A. HIGH SPIN
$^{208}\text{Pb}(^6\text{Li}, 3n)^{208}\text{At}$ partial $\sigma(E)$					
9362	STB Expt A DA/B	39	2376	N78	NDG Sjoreen. NDG. IN-BEAM G+DLY A. HIGH SPIN
$^{208}\text{Pb}(^6\text{Li}, \text{fission})$ $\sigma(E)$					
9363	INU Exth A BAP	24	826	979	7.5+1 9.5+1 Karwowski+ NDG. EXPT CFD STAT MODEL.
	Expt A BAP	23	951	978	7.5+1 9.5+1 Vigdor+ NDG.
$^{208}\text{Pb}(^6\text{Li}, \text{fission})$ fission yield factor					
9364	INU Exth A BAP	24	826	979	7.5+1 9.5+1 Karwowski+ NDG. EXPT CFD STAT MODEL.
$^{208}\text{Pb}(^6\text{Li}, xn)$ $\sigma(E)$					
9365	INU Exth A BAP	24	826	979	7.5+1 9.5+1 Karwowski+ NDG. EXPT CFD STAT MODEL.
$^{208}\text{Pb}(^6\text{Li}, x)^1\text{H}$ compound-nucleus $\sigma(E)$					
9366	INU Expt A BAP	23	951	978	7.5+1 9.5+1 Vigdor+ NDG.
$^{208}\text{Pb}(^6\text{Li}, x)^1\text{H}$ $\sigma(E)$					
9367	INU Exth A BAP	24	826	979	7.5+1 9.5+1 Karwowski+ NDG. EXPT CFD STAT MODEL.
$^{208}\text{Pb}(^6\text{Li}, x)^4\text{He}$ compound-nucleus $\sigma(E)$					
9368	INU Expt A BAP	23	951	978	7.5+1 9.5+1 Vigdor+ NDG.
$^{208}\text{Pb}(^6\text{Li}, x)^4\text{He}$ $\sigma(E)$					
9369	INU Exth A BAP	24	826	979	7.5+1 9.5+1 Karwowski+ NDG. EXPT CFD STAT MODEL.
$^{208}\text{Pb}(^6\text{Li}, \text{inelastic})^{208}\text{Pb}$ partial $\sigma(E)$					
9370	BNL Revw S BNL-51115	405	779	9.0+1	2.1+2 Sanderfi+ CURV. PEAK SIG FOR 11-MEV GOR
$^{208}\text{Pb}(^6\text{Li}, \alpha+d)^{208}\text{Pb}$ $\sigma(E)$					
9371	HEI Expt J NP/A 288	351	977	2.3+1	Scholz+ (3.2+-0.6)MB. INTAD. SEQ. BREAK
$^{208}\text{Pb}(^6\text{Li}, 2n+p)^{211}\text{Po}$ $\sigma(E)$					
9372	KFK Expt J NP/A 329	259	079	6.0+1	1.8+2 Neumann+ CURV. ALPHA ACTIVITY.
	Expt J NP/A 329	259	079	1.6+2	Neumann+ TBL. ALPHA-ACTIVITY
$^{208}\text{Pb}(^6\text{Li}, xn)\text{charge distribution}$ $\sigma(E)$					
9373	INU Expt J PRL	42	1733	679	7.5+1 9.4+1 Karwoski+ TBL. FROM XX COIN. X-RAY MULT

REFERENCES(cont.)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{209}\text{Bi}(^6\text{Li}, 2n+2p)^{211}\text{Po}$	$\sigma(E)$		
9374	KFK Expt J NP/A	329	259 079	6.0+1	1.8+2 Neumann+ CURV. ALPHA ACTIVITY.
	Expt J NP/A	329	259 079	1.6+2	Neumann+ TBL. ALPHA-ACTIVITY
		$^{209}\text{Bi}(^6\text{Li}, n+2p)^{212}\text{Po}$	$\sigma(E)$		
9375	KFK Expt J NP/A	329	259 079	1.6+2	Neumann+ TBL. ALPHA-ACTIVITY
		$^{209}\text{Bi}(^6\text{Li}, xn)$ isotopic distribution	$\sigma(E)$		
9376	INU Expt A BAP	22	643 477	5.5+1	6.5+1 Tickle+ NDG. ON-LINE AND OFF-LINE.
		$^{232}\text{Th}(^6\text{Li}, \alpha+fission)$	$\sigma(E) \times \text{factor}$		
9377	LAS Expt P ERDA-NDC-9	126 477	3.9+1		Brill+ NDG. $G(F)/(G(F)+G(N)+G(G))$.
		$^{232}\text{Th}(^6\text{Li}, xn+\alpha)$ isotopic distribution	$\sigma(E) \times \text{factor}$		
9378	LAS Expt P ERDA-NDC-9	126 477	3.9+1		Brill+ NDG. EVAPORATION RESIDUE PROB.
		$^{238}\text{U}(^6\text{Li}, d+fission)$	$\sigma(E) \times \text{factor}$		
9379	LAS Expt P ERDA-NDC-3	96 576	3.9+1		Brill+ NDG. EXPLORATORY.
		$^{238}\text{U}(^6\text{Li}, t+fission)$	$\sigma(E) \times \text{factor}$		
9380	LAS Expt P ERDA-NDC-3	96 576	3.9+1		Brill+ NDG. EXPLORATORY.
		$^{238}\text{U}(^6\text{Li}, \alpha+fission)$	$\sigma(E) \times \text{factor}$		
9381	LAS Expt P ERDA-NDC-3	96 576	3.9+1		Brill+ NDG. EXPLORATORY.
		$^{237}\text{Np}(^6\text{Li}, d+fission)$	$\sigma(E) \times \text{factor}$		
9382	LAS Expt P ERDA-NDC-3	96 576	3.9+1		Brill+ NDG. EXPLORATORY.
		$^{237}\text{Np}(^6\text{Li}, t+fission)$	$\sigma(E) \times \text{factor}$		
9383	LAS Expt P ERDA-NDC-3	96 576	3.9+1		Brill+ NDG. EXPLORATORY.
		$^{237}\text{Np}(^6\text{Li}, \alpha+fission)$	$\sigma(E) \times \text{factor}$		
9384	LAS Expt P ERDA-NDC-3	96 576	3.9+1		Brill+ NDG. EXPLORATORY.
		systematics($^6\text{Li}, d$)	$\sigma(E)$		
9385	ROC Theo A BAP	22	995 977	NDG	Eswaran+ NDG. DEDUCED SYS. ODD-A SO SHE
		$^3\text{H}(^7\text{Li}, p)^8\text{Li}$	$\sigma(E)$		
9386	FSU Expt A DA/B	38	1779 077	3.0+1	Delaune. (3.23+-0.11)MB.
		$^7\text{Li}(^7\text{Li}, 5p+^3\text{He}+x)^8\text{n}$	partial product yield		
9387	ICP Theo S CERN-76-13	88 676	NDG		Goldanskii+ NDG. EXOTIC NUCLEI T GT A/2
		$^7\text{Li}(^7\text{Li}, p)^{13}\text{B}$	$\sigma(E)$		
9388	FSU Expt A DA/B	38	1779 077	2.6+1	Delaune. (0.66+-0.2)MB.
		$^7\text{Li}(^7\text{Li}, 8n)^6\text{C}$	partial product yield		
9389	ICP Theo S CERN-76-13	88 676	NDG		Goldanskii+ NDG. EXOTIC NUCLEI T GT A/2
		$^{10}\text{B}(^7\text{Li}, absorption)$	compound-nucleus $\sigma(E)$		
9390	HEI Exth J NP/A	290	233 077	2.4+1	Kohler+ TBL. HF. DISCRETE AND CONTINUUM
		$^{10}\text{B}(^7\text{Li}, absorption)$	direct-interaction $\sigma(E)$		
9391	HEI Exth J NP/A	290	233 077	2.4+1	Kohler+ TBL. FROM NP/A 262, 133(1976).
		$^{10}\text{B}(^7\text{Li}, scattering)^7\text{Li}$	$\sigma(E)$		
9392	HEI Expt A 74NASH	1	35 674	2.4+1	Kohler+ NDG.
		$^{10}\text{B}(^7\text{Li}, x)^8\text{Be}$	direct-interaction $\sigma(E)$		
9393	HEI Exth J NP/A	290	233 077	2.4+1	Kohler+ TBL. FROM NP/A 262, 133(1976).
		$^{10}\text{B}(^7\text{Li}, x)^8\text{Be}$	compound-nucleus $\sigma(E)$		
9394	HEI Exth J NP/A	290	233 077	2.4+1	Kohler+ TBL. HF. DISCRETE AND CONTINUUM
		$^{10}\text{B}(^7\text{Li}, ^8\text{Be})^9\text{Be}$	$\sigma(E)$		
9395	HEI Exth J NP/A	290	200 077	2.4+1	Kohler+NDG.CALCS. DO NOT REPRODUCE EXPT
		$^{10}\text{B}(^7\text{Li}, x)^{10}\text{Be}$	direct-interaction $\sigma(E)$		
9396	HEI Exth J NP/A	290	233 077	2.4+1	Kohler+ TBL. FROM NP/A 262, 133(1976).

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{10}\text{B}(^7\text{Li}, x)^{10}\text{Be}$ compound-nucleus $\sigma(E)$			
9397	HEI Exth J NP/A	290 233 077 2.4+1			Kohler+ TBL. HF. DISCRETE AND CONTINUUM
		$^{10}\text{B}(^7\text{Li}, ^7\text{Be})^{10}\text{Be}$ $\sigma(E)$			
9398	HEI Exth J NP/A	290 200 077 2.4+1			Kohler+NDG.CALCS. DO NOT REPRODUCE EXPT
		$^{10}\text{B}(^7\text{Li}, x)^{10}\text{B}$ compound-nucleus $\sigma(E)$			
9399	HEI Exth J NP/A	290 233 077 2.4+1			Kohler+ TBL. HF. DISCRETE AND CONTINUUM
		$^{10}\text{B}(^7\text{Li}, x)^{11}\text{B}$ direct-interaction $\sigma(E)$			
9400	HEI Exth J NP/A	290 233 077 2.4+1			Kohler+ TBL. FROM NP/A 262, 133(1976).
		$^{10}\text{B}(^7\text{Li}, x)^{11}\text{B}$ compound-nucleus $\sigma(E)$			
9401	HEI Exth J NP/A	290 233 077 2.4+1			Kohler+ TBL. HF. DISCRETE AND CONTINUUM
		$^{10}\text{B}(^7\text{Li}, ^8\text{Li})^{11}\text{B}$ partial $\sigma(E)$			
9402	HEI Exth J NP/A	290 200 077 2.4+1			Kohler+ TBL. 2 LVLS. INTAD. 15-160 DEG.
		$^{10}\text{B}(^7\text{Li}, x)^{11}\text{C}$ direct-interaction $\sigma(E)$			
9403	HEI Exth J NP/A	290 233 077 2.4+1			Kohler+ TBL. FROM NP/A 262, 133(1976).
		$^{10}\text{B}(^7\text{Li}, x)^{11}\text{C}$ compound-nucleus $\sigma(E)$			
9404	HEI Exth J NP/A	290 233 077 2.4+1			Kohler+ TBL. HF. DISCRETE AND CONTINUUM
		$^{10}\text{B}(^7\text{Li}, ^8\text{He})^{11}\text{C}$ partial $\sigma(E)$			
9405	HEI Exth J NP/A	290 200 077 2.4+1			Kohler+ TBL. 5 LVLS. INTAD. 15-95 DEG.
		$^{10}\text{B}(^7\text{Li}, x)^{13}\text{C}$ compound-nucleus $\sigma(E)$			
9406	HEI Exth J NP/A	290 233 077 2.4+1			Kohler+ TBL. HF. DISCRETE AND CONTINUUM
		$^{10}\text{B}(^7\text{Li}, \alpha)^{13}\text{C}$ partial $\sigma(E)$			
9407	HEI Exth J NP/A	290 200 077 2.4+1			Kohler+ NDG. POOR ENERGY RESOLUTION.
		$^{10}\text{B}(^7\text{Li}, x)^{14}\text{N}$ direct-interaction $\sigma(E)$			
9408	HEI Exth J NP/A	290 233 077 2.4+1			Kohler+ TBL. FROM NP/A 262, 133(1976).
		$^{10}\text{B}(^7\text{Li}, x)^{14}\text{N}$ compound-nucleus $\sigma(E)$			
9409	HEI Exth J NP/A	290 233 077 2.4+1			Kohler+ TBL. HF. DISCRETE AND CONTINUUM
		$^{10}\text{B}(^7\text{Li}, t)^{14}\text{N}$ partial $\sigma(E)$			
9410	HEI Exth J NP/A	290 200 077 2.4+1			Kohler+ TBL. 25 LVLS. INTAD. 5-170 DEG.
		$^{10}\text{B}(^7\text{Li}, x)^{15}\text{N}$ compound-nucleus $\sigma(E)$			
9411	HEI Exth J NP/A	290 233 077 2.4+1			Kohler+ TBL. HF. DISCRETE AND CONTINUUM
		$^{10}\text{B}(^7\text{Li}, p)^{16}\text{N}$ compound-nucleus $\sigma(E)$			
9412	HEI Exth J NP/A	290 233 077 2.4+1			Kohler+ TBL. HF. DISCRETE AND CONTINUUM
		$^{10}\text{B}(^7\text{Li}, n)^{16}\text{O}$ compound-nucleus $\sigma(E)$			
9413	HEI Exth J NP/A	290 233 077 2.4+1			Kohler+ TBL. HF. DISCRETE AND CONTINUUM
		$^{11}\text{B}(^7\text{Li}, p)^{17}\text{N}$ $\sigma(E)$			
9414	FSU Expt A DA/B	38 1779 077 3.5+1			Delaune. (1.3+0.2)MB.
		$^{12}\text{C}(^7\text{Li}, t)^{16}\text{O}$ partial $\sigma(E)$			
9415	LAS Expt J NP/A	305 293 778 3.4+1			Becchetti+ TBL. INTAD(0-90) CFD HF+DIR
		$^{12}\text{C}(^7\text{Li}, p)^{16}\text{O}$ partial $\sigma(E)$			
9416	PEN Expt J NP/A	309 221 078 1.6+1 1.8+1			Fortune+ TBL. CURV. INTAD. 24 LVLS.
	Expt J NP/A	309 221 078 1.6+1 1.8+1			Fortune+ TBL. CURV. INTAD(90-180). 24LV
		$^{12}\text{C}(^7\text{Li}, p)^{16}\text{O}$ partial $\sigma(E)$ x factor			
9417	PEN Expt J NP/A	309 221 078 1.6+1 1.8+1			Fortune+ TBL. CURV. FCT=1/(2J+1) 24 LVL
	Expt J NP/A	309 221 078 1.6+1 1.8+1			Fortune+TBL.CURV. SIG(0-90)/SIG(90-180)
		$^{12}\text{C}(^7\text{Li}, p)^{16}\text{O}$ partial average $\sigma(E)$ x factor			
9418	PEN Expt J NP/A	309 221 078 1.6+1 1.8+1			Fortune+ TBL. AVE FOR 5 JS/(2J+1)
		$^{12}\text{C}(^7\text{Li}, p)^{16}\text{O}$ partial average $\sigma(E)$			
9419	PEN Expt J NP/A	309 221 078 1.6+1 1.8+1			Fortune+ TBL. AVE FOR 5 JS

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		¹³ C(⁷ Li,p) ¹⁹ O partial σ(E)			
9420	PEN Expt J NP/A	293 197 077 1.6+1			Fortune+ TBL. INTAD. 27 LEVELS.
		¹³ C(⁷ Li,p) ¹⁹ O partial σ(E)×factor			
9421	PEN Expt J NP/A	293 197 077 1.6+1			Fortune+TBL.INTAD.18 LEVELS. 1/(2J+1)
	Expt J NP/A	293 197 077 1.6+1			Fortune+TBL.INTAD.15 LEVELS.1/2(19.-1)
	Expt J NP/A	293 197 077 1.6+1			Fortune+TBL.INTAD.23 LEVELS.1/2(14.5-1)
		¹⁴ N(⁷ Li,p) ²⁰ F partial σ(E)			
9422	PEN Expt J NP/A	293 221 077 1.6+1			Fortune+ TBL. INTAD. 27 LEVELS.
		¹⁴ N(⁷ Li,p) ²⁰ F partial σ(E)×factor			
9423	PEN Expt J NP/A	293 221 077 1.6+1			Fortune+TBL.INTAD. 13 LEVELS. 1/(2J+1).
	Expt J NP/A	293 221 077 1.6+1			Fortune+TBL.INTAD.18 LEVELS. 1/2(16.5-2)
	Expt J NP/A	293 221 077 1.6+1			Fortune+TBL.INTAD.24 LEVELS.1/2(4.95-2)
		¹⁶ O(⁷ Li, ³ He) ²⁰ F partial σ(E)×factor			
9424	PEN Expt J NP/A	304 224 778 2.4+1			Fortune+ CURV. TBL. FCT=1/(2J+1) 27 LEV
		¹⁶ O(⁷ Li, ³ He) ²⁰ F partial σ(E)			
9425	PEN Expt J NP/A	304 224 778 2.4+1			Fortune+CURV.TBL.INTAD(0-90DEG). 39 LEV
		²⁴ Mg(⁷ Li,t) ²⁸ Si product yield			
9426	WIT Expt P INDC(SEC)-61	077 TR	2.4+0		Sellschop+ NDG. P. 333
		²⁴ Mg(⁷ Li,d) ²⁸ Si product yield			
9427	WIT Expt P INDC(SEC)-61	077 TR	2.4+0		Sellschop+ NDG. P. 333
		⁴⁰ Ca(⁷ Li,2n) ⁴⁸ V partial product yield			
9428	ANL Expt P ANL-79-40	82 79 NDG			Gronmeyer+ NDG.
		⁴⁴ Ca(⁷ Li,2n+α) ⁴⁸ Sc partial σ(E)			
9429	MUN Expt J NC	34 321 76 1.0+1 3.5+1			Fortuna+ CURV. EG=1.237MEV.
		⁴⁴ Ca(⁷ Li,3n+p) ⁴⁷ Ti partial σ(E)			
9430	MUN Expt J NC	34 321 76 1.0+1 3.5+1			Fortuna+ CURV. EG=0.160MEV.
9431	PAD Expt J NP/A	299 479 578 1.0+1 3.5+1			Fortuna+ CURV. 6 GS. MUNICH VOGT.
		⁴⁴ Ca(⁷ Li,2n+p) ⁴⁸ Ti partial σ(E)			
9432	MUN Expt J NC	34 321 76 1.0+1 3.5+1			Fortuna+ CURV. 5 GAMMA GROUPS.
		⁴⁴ Ca(⁷ Li,3n) ⁴⁸ V partial σ(E)			
9433	MUN Expt J NC	34 321 76 1.0+1 3.5+1			Fortuna+ CURV. EG=0.428MEV.
		⁴⁴ Ca(⁷ Li,2n) ⁴⁸ V partial σ(E)			
9434	MUN Expt J NC	34 321 76 1.0+1 3.5+1			Fortuna+ CURV. EG=1.021MEV.
		⁴⁸ Ca(⁷ Li,n+p) ⁵³ Ti product yield			
9435	ANL Expt S CERN-76-13	590 676 1.4+1 2.0+1			Davidson+ NDG. BETA-GAMMA SPECTROSCOPY
9436	TEX Expt A DA/B	37 6206 677 1.4+1 2.0+1			Parks. NDG.
		Fe(⁷ Li,xn+α)isotopic distribution σ(E)			
9437	HAR Expt P AERE-PR/NP-26	379 1.0+1 2.4+1			Conlon+ CURV. STACKED FOILS. P. 60.
		⁶⁵ Cu(⁷ Li,2n) ⁷⁰ Ge relative I _γ			
9438	ORL Expt J PR/C	16 2268 077 1.6+1 1.9+1			Robinson+ CURV. REL. TO 1040KEV GAMMA
		⁷¹ Ge(⁷ Li,2n) ⁷⁶ Se partial product yield			
9439	ORL Expt A BAP	724 694 479 1.5+1 2.2+1			Robinson+ NDG. GAMMA EXCITATION FUNCT.
		⁸⁰ Sr(⁷ Li,3n) ⁹² Nb relative I _γ			
9440	STB Expt J PR/C	15 2044 677 3.4+1			Brown+ TBL. 20 GAMMAS.
		⁹³ Nb(⁷ Li,x)isotopic distribution σ(E)			
9441	INU Expt W NEWSLETTER25	8 N79 NDG			Katcoff+ NDG. NEUTRON-RICH. NEW EXPT
		¹¹⁰ Pd(⁷ Li,3n) ¹¹⁴ In partial product yield			
9442	SUB Expt A DA/B	38 249 777 NDG			Eiberti+ NDG.
		¹²⁰ Sn(⁷ Li,3n+p) ¹²³ Te σ(E)×factor			
9443	ROS Expt P ZFK-350	26 578 3.5+1			Hagemann+ SIG(P3N)/SIG(4N) LT 0.05

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{120}\text{Sn}(^7\text{Li},4n)^{123}\text{I}$ $\sigma(E) \times \text{factor}$			
9444	ROS Expt P ZFK-350	26 578 3.5+1			Hagemann+ SIG(P3N)/SIG(4N) LT 0.05
		$^{120}\text{Sn}(^7\text{Li},4n)^{123}\text{I}$ partial $\sigma(E) \times \text{factor}$			
9445	ROS Expt P ZFK-350	26 578 3.5+1			Hagemann+ (L17,4N)/(A,2N) SEVERAL BANDS
		$^{142}\text{Nd}(^7\text{Li},4n)^{145}\text{Eu}$ partial relative $\sigma(E)$			
9446	NOT Expt J PR/C	21 595 280 2.6+1 3.4+1			Rakel+ NDG. GE(L1) DETECTORS.
		$^{144}\text{Sm}(^7\text{Li},3n)^{148}\text{Tb}$ partial $\sigma(E)$			
9447	MCM Expt J CJP	57 358 79 2.8+1 3.6+1			Singhal+ CURV. 14 SELECTED GS. 5 ENERG.
		$^{144}\text{Sm}(^7\text{Li},2n)^{146}\text{Tb}$ partial product yield			
9448	MCM Expt J CJP	57 1959 79 2.8+1 3.6+1			Singhal+ NDG. IN-BEAM GAMMA EXCIT.
		$^{147}\text{Eu}(^7\text{Li},xn)$ isotopic distribution $\sigma(E)$			
9449	INU Expt A DA/B	38 6010 578 2.4+1 3.6+1			Fleissner. NDG. IN-BEAM GAMMAS.
		$^{149}\text{Eu}(^7\text{Li},xn)$ isotopic distribution $\sigma(E)$			
9450	INU Expt A DA/B	38 6010 578 2.4+1 3.8+1			Fleissner. NDG. IN-BEAM GAMMAS.
		$^{151}\text{Eu}(^7\text{Li},xn)$ isotopic distribution $\sigma(E)$			
9451	INU Expt A DA/B	38 6010 578 2.4+1 3.6+1			Fleissner. NDG. IN-BEAM GAMMAS.
		$^{159}\text{Tb}(^7\text{Li},3n+\alpha)^{159}\text{Dy}$ $\sigma(E)$			
9452	NBI Exth A 74NASH	1 111 674 2.5+1 3.5+1			Ishihara+ CURV.
		$^{159}\text{Tb}(^7\text{Li},2n+\alpha)^{160}\text{Dy}$ $\sigma(E)$			
9453	NBI Exth A 74NASH	1 111 674 2.4+1 3.5+1			Ishihara+ CURV.
		$^{159}\text{Tb}(^7\text{Li},4n)^{162}\text{Er}$ $\sigma(E)$			
9454	NBI Exth A 74NASH	1 111 674 2.4+1 3.5+1			Ishihara+ CURV.
		$^{159}\text{Tb}(^7\text{Li},3n)^{163}\text{Er}$ $\sigma(E)$			
9455	NBI Exth A 74NASH	1 111 674 2.4+1 3.5+1			Ishihara+ CURV.
		$^{187}\text{Re}(^7\text{Li},n+\alpha)^{188}\text{Os}$ $\sigma(E)$			
9456	ROS Expt P ZFK-350	26 578 3.5+1			Hagemann+ NDG.
		$^{187}\text{Re}(^7\text{Li},4n)^{190}\text{Pt}$ $\sigma(E)$			
9457	ROS Expt P ZFK-350	26 578 3.5+1			Hagemann+ NDG.
		$^{187}\text{Re}(^7\text{Li},3n)^{191}\text{Pt}$ $\sigma(E)$			
9458	ROS Expt P ZFK-350	26 578 3.5+1			Hagemann+ NDG.
		$^{197}\text{Au}(^7\text{Li},\alpha+\text{fission})$ $\sigma(E) \times \text{factor}$			
9459	LAS Expt J PRL	38 1262 577 3.4+1			Goldstone+ CURV. G(N)/G(F) FRM EVAP RES
		$^{197}\text{Au}(^7\text{Li},x)n$ $\sigma(E) \times \text{factor}$			
9460	LAS Expt J PRL	38 1262 577 3.4+1			Goldstone+ CURV. G(N)/G(F) FRM EVAP RES
		$^{197}\text{Au}(^7\text{Li},\alpha)^{200}\text{Hg}$ $\sigma(E)$			
9461	HEI Expt A 74NASH	1 80 674 3.2+1			Quebert+ 220 MB.
		$^{197}\text{Au}(^7\text{Li},\alpha)^{200}\text{Hg}$ $\sigma(E) \times \text{factor}$			
9462	LAS Expt J PRL	38 1262 577 3.4+1			Goldstone+ CURV. INTAD. EVAP. RES. PROB
		$^{197}\text{Au}(^7\text{Li},^3\text{He})^{201}\text{Hg}$ $\sigma(E)$			
9463	HEI Expt A 74NASH	1 80 674 3.2+1			Quebert+ 9 MB.
		$^{197}\text{Au}(^7\text{Li},l)^{201}\text{Tl}$ $\sigma(E)$			
9464	HEI Expt A 74NASH	1 80 674 3.2+1			Quebert+ 19 MB.
		$^{197}\text{Au}(^7\text{Li},d)^{202}\text{Tl}$ $\sigma(E)$			
9465	HEI Expt A 74NASH	1 80 674 3.2+1			Quebert+ 9 MB.
		$^{197}\text{Au}(^7\text{Li},p)^{203}\text{Tl}$ $\sigma(E)$			
9466	HEI Expt A 74NASH	1 80 674 3.2+1			Quebert+ 11MB.
		$^{197}\text{Au}(^7\text{Li},xn+\alpha)$ isotopic distribution $\sigma(E) \times \text{factor}$			
9467	LAS Expt J PRL	38 1262 577 3.4+1			Goldstone+ CURV. INTAD. EVAP. RES. PROB

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		¹⁹⁷ Au(⁷ Li,xn+α)isotopic distribution			σ(E)×factor
9468	LAS Expt P	ERDA-NDC-9 126 477	3.9+1		Britt+ NDG. EVAPORATION RESIDUE PROB.
		²⁰⁴ Hg(⁷ Li,2n,p) ²⁰⁸ Pb			σ(E)
9469	ROS Expt P	ZFK-350 26 578	3.5+1		Hegemann+ NDG.
		²⁰⁸ Pb(⁷ Li,3n) ²¹² At			relative σ(E)
9470	STB Expt J	PR/C 20 960 979	3.2+1	4.4+1	Sjoreen+ NDG. ALSO A2,A4 + COIN.
		²⁰⁸ Pb(⁷ Li,2n) ²¹³ At			partial σ(E)
9471	STB Expt A	DA/B 39 2376	N78		NDG. Sjoreen+ NDG. IN-BEAM G+DLY A. HIGH SPIN
		²³² Th(⁷ Li,α+fission)			σ(E)×factor
9472	LAS Expt J	PRL 38 1262 577	3.4+1		Goldstone+ CURV. G(N)/G(F) FRM EVAP RES
		²³² Th(⁷ Li,x)n			σ(E)×factor
9473	LAS Expt J	PRL 38 1262 577	3.4+1		Goldstone+ CURV. G(N)/G(F) FRM EVAP RES
		²³² Th(⁷ Li,α) ²³⁵ Pa			σ(E)×factor
9474	LAS Expt J	PRL 38 1262 577	3.4+1		Goldstone+ CURV. INTAD. EVAP. RES. PROB
		²³² Th(⁷ Li,xn+α)isotopic distribution			σ(E)×factor
9475	LAS Expt J	PRL 38 1262 577	3.4+1		Goldstone+ CURV. INTAD. EVAP. RES. PROB
9476	LAS Expt P	ERDA-NDC-9 126 477	3.9+1		Britt+ NDG. EVAPORATION RESIDUE PROB.
		²³⁸ U(⁷ Li,α+fission)			σ(E)×factor
9477	LAS Expt J	PRL 38 1262 577	3.4+1		Goldstone+ CURV. G(N)/G(F) FRM EVAP RES
		²³⁸ U(⁷ Li,x)n			σ(E)×factor
9478	LAS Expt J	PRL 38 1262 577	3.4+1		Goldstone+ CURV. G(N)/G(F) FRM EVAP RES
		²³⁸ U(⁷ Li,α) ²³⁹ Np			σ(E)×factor
9479	LAS Expt J	PRL 38 1262 577	3.4+1		Goldstone+ CURV. INTAD. EVAP. RES. PROB
		²³⁸ U(⁷ Li,xn+α)isotopic distribution			σ(E)×factor
9480	LAS Expt J	PRL 38 1262 577	3.4+1		Goldstone+ CURV. INTAD. EVAP. RES. PROB
		¹⁰ B(⁹ Be,absorption)			σ(E)
9481	LUQ Expt J	NP/A 323 461 779	2.0+0	9.4+0	Chatterjee+ TBL. CURV. FROM GAMMAS.
		¹⁰ B(⁹ Be,absorption)			σ(E)×factor
9482	LUQ Expt J	NP/A 323 461 779	2.0+0	9.4+0	Chatterjee+ TBL. CURV. S-FACTOR.
		¹⁰ B(⁹ Be, ⁹ Be) ¹¹ B			partial σ(E)
9483	LUQ Expt J	NP/A 323 461 779	2.0+0	9.4+0	Chatterjee+ CURV. DEDUCED.
		¹⁰ B(⁹ Be, ⁹ Be) ¹¹ B			partial σ(E)×factor
9484	LUQ Expt J	NP/A 323 461 779	2.0+0	9.4+0	Chatterjee+ CURV. S-FACTOR.
		¹⁰ B(⁹ Be,x) ¹⁴ N			partial σ(E)
9485	LUQ Expt J	NP/A 323 461 779	4.0+0	9.4+0	Chatterjee+ CURV. FROM PHOTOPEAK.
		¹² C(⁹ Be,l) ¹⁸ F			σ(E)
9486	ETH Exth J	NP/A 325 510 879	2.0+1		Jarczyk+ CURV. SIG(EXP)-SIG(TH) VS LCR
		¹² C(⁹ Be,d) ¹⁸ F			σ(E)
9487	ETH Exth J	NP/A 325 510 879	2.0+1		Jarczyk+ CURV. SIG(EXP)-SIG(TH) VS LCR
		¹² C(⁹ Be,p) ²⁰ F			σ(E)
9488	ETH Exth J	NP/A 325 510 879	2.0+1		Jarczyk+ CURV. SIG(EXP)-SIG(TH) VS LCR
		¹² C(⁹ Be,x)mass distribution			raw σ(E)
9489	ETH Exth J	NP/A 325 510 879	2.0+1		Jarczyk+ CURV. A = 1-4.
		²⁸ Si(⁹ Be,x)			compound-nucleus σ(E)
9490	ETH Expt J	PR/C 17 2106 678	2.0+1		Jarczyk+735+70MB FUS SIG FRM EVAP DATA
9491	CBR Expt A	BAP 24 825 979	3.0+1	6.0+1	Eck+ NDG. FROM REACTION PROD.
		²⁸ Si(⁹ Be,x)isotopic distribution			σ(E)
9492	CBR Expt A	BAP 24 825 979	3.0+1	6.0+1	Eck+ NDG. Z LE 14.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
					$^{70}\text{Ge}(^{9}\text{Be},x)$ isotopic distribution product yield
9493	FSU Expt J PR/C	20 164 779	2.5+1		Clements+
					$^{72}\text{Ge}(^{9}\text{Be},x)$ isotopic distribution product yield
9494	FSU Expt J PR/C	20 164 779	3.5+1		Clements+
					$^{73}\text{Ge}(^{9}\text{Be},x)$ isotopic distribution product yield
9495	FSU Expt J PR/C	20 164 779	3.5+1		Clements+
					$^{204}\text{Pb}(^{9}\text{Be},3n)^{210}\text{Rn}$ $\sigma(E)$
9496	STB Expt A BAP	22 997 977			NDG. Neskakis+ NDG.
					$^{204}\text{Pb}(^{9}\text{Be},3n)^{210}\text{Rn}$ partial product yield
9497	BNL Expt J PR/C	20 1768 N79	4.0+1	5.5+1	Poletti+ NDG. ALSO ANG. DIST.
					$^{10}\text{B}(^{10}\text{B},x)$ compound-nucleus $\sigma(E)$ factor
9498	ORL Revv C 77TENN	22 77 3.8+0	7.4+0		Stokstead. CURV. 1/SIG(OM). NP/A 259,513
					$^{10}\text{B}(^{10}\text{B},\text{absorption})$ $\sigma(E)$
9499	LUQ Expt J NP/A	259 513	76 3.6+0	7.4+0	High+ CURV.
					$^{10}\text{B}(^{10}\text{B},\alpha)^{18}\text{O}$ $\sigma(E)$
9500	PEN Expt J PR/C	14 357	76 2.0+1		Ajzenberg-Selove+ (0.2+-0.04)MB.
					$^{11}\text{B}(^{10}\text{B},x)$ compound-nucleus $\sigma(E)$ factor
9501	ORL Revv C 77TENN	22 77 3.1+0	7.3+0		Stokstead. CURV. 1/SIG(OM). NP/A 259,513
					$^{11}\text{B}(^{10}\text{B},\text{absorption})$ $\sigma(E)$
9502	LUQ Expt J NP/A	259 513	76 3.1+0	7.4+0	High+ CURV.
					$^{12}\text{C}(^{10}\text{B},x)$ compound-nucleus $\sigma(E)$
9503	UI Theo A BAP	21 588	76		NDG. Arnould+ NDG.
					$^{12}\text{C}(^{10}\text{B},\text{total})$ $\sigma(E)$
9504	LUQ Expt J NP/A	278 149 277	3.8+0	9.9+0	High+ TBL.
					$^{12}\text{C}(^{10}\text{B},\text{total})$ $\sigma(E)$ factor
9505	LUQ Expt J NP/A	278 149 277	3.8+0	9.9+0	High+ TBL. CURV.
					$^{12}\text{C}(^{10}\text{B},^{6}\text{Li})^{16}\text{O}$ partial $\sigma(E)$
9506	BNL Expt A BAP	23 540 478	7.2+1		Becchetti+ NDG. Q3D SPECT. A-CLUSTER ST
					$^{14}\text{N}(^{10}\text{B},x)$ compound-nucleus $\sigma(E)$ factor
9507	ORL Revv C 77TENN	22 77 6.0+0	1.4+1		Stokstead. CURV. 1/SIG(OM). NP/A278,149
					$^{14}\text{N}(^{10}\text{B},x)$ compound-nucleus $\sigma(E)$
9508	CAL Expt A DA/B	39 1364 978	5.0+0	1.3+1	Wu. NDG. FUSION. CFD IHBC CALCULATION
	Exth A BAP	23 15 178	5.0+0	1.3+1	Wu+ NDG. FROM GAMMA YIELDS
					$^{14}\text{N}(^{10}\text{B},\text{total})$ $\sigma(E)$
9509	LUQ Expt J NP/A	278 149 277	4.5+0	1.0+1	High+ TBL.
					$^{14}\text{N}(^{10}\text{B},\text{total})$ $\sigma(E)$ factor
9510	LUQ Expt J NP/A	278 149 277	4.5+0	1.0+1	High+ TBL. CURV.
					$^{14}\text{N}(^{10}\text{B},x)\gamma$ $\sigma(E)$
9511	CAL Exth A BAP	23 15 178	5.0+0	1.3+1	Wu+ NDG.
					$^{14}\text{N}(^{10}\text{B},^{11}\text{B})^{13}\text{N}$ $\sigma(E)$
9512	IFJ Revv J NCR	1 1 78	9.0+0	1.3+1	Malecki+ CURV. FROM 2 REFERENCES.
					$^{14}\text{N}(^{10}\text{B},x)$ isotopic distribution $\sigma(E)$
9513	CAL Expt A DA/B	39 1364 978	5.0+0	1.3+1	Wu. NDG. PROMPT GAMMA DETECTION.
					$^{16}\text{O}(^{10}\text{B},x)$ direct-interaction $\sigma(E)$
9514	ORL Expt J PRL	43 26 779	6.7+1		Del-Campo+ CURV. FROM SHAPIRA+
					$^{18}\text{O}(^{10}\text{B},x)$ compound-nucleus $\sigma(E)$
9515	ORL Expt J PRL	43 26 779	6.7+1		Del-Campo+ CURV. FROM SHAPIRA+

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{160}(\text{O},\text{B},\text{B})^{170}$	partial $\sigma(E)$ factor			
9516 CAL Expt A 74NASH	1 44 674	NDG		Swilkowski+ NDG. FIRST-EXCITED. S-FCT.
$^{180}(\text{O},\text{B},\text{B})^{19\text{F}}$	product yield			
9517 TAM Expt A DA/B	37 6204 677	NDG		Hamm.NDG. HIGH-SPIN 3-N CLUSTER-LIKE ST
$^{180}(\text{O},\text{B},\text{L})^{19\text{Ne}}$	product yield			
9518 TAM Expt A DA/B	37 6204 677	NDG		Hamm.NDG. HIGH-SPIN 3-N CLUSTER-LIKE ST
$^{160}(\text{O},\text{x})$	charge distribution direct-interaction relative $\sigma(E)$			
9519 ORL Expt J PRL	43 26 779 6.7+1			Del-Campo+ CURV. FROM SHAPIRA+
$^{180}(\text{O},\text{x})$	charge distribution $\sigma(E)$ factor			
9520 ORL Expt J PRL	43 26 779 6.7+1			Del-Campo+ CURV. FROM SHAPIRA+
$^{18\text{F}}(\text{O},\text{B},\text{B})^{18\text{F}}$	$\sigma(E)$			
9521 IFJ Rev J NCR	1 1 78 1.1+1 1.7+1			Malecki+ CURV. FROM 2 REFERENCES.
$^{40}\text{Ca}(\text{O},\text{n+p})^{40}\text{Cr}$	partial relative $\sigma(E)$			
9522 AAU Expt J NP/A	327 193 979 1.4+1 3.6+1			Hansen+ CURV. GE(L1). 55 DEG.
Expt J NP/A	327 193 979 2.4+1			Hansen+ TBL. ALSO A2,A4.
$^{48}\text{Ca}(\text{O},\text{B},\text{B})^{51\text{V}}$	$\sigma(E)$			
9523 BNL Expt J PR/C	18 2169 N78 2.5+1 5.0+1			Lister+ NDG. MAXIMUM YLD. AT 45 MEV.
$^{48}\text{Ca}(\text{O},\text{B},\text{B})^{53}\text{Mn}$	$\sigma(E)$			
9524 BNL Expt J PR/C	18 2169 N78 2.5+1 5.0+1			Lister+ NDG. MAXIMUM YLD. AT 50 MEV.
$^{83}\text{Cu}(\text{O},\text{B},\text{B})^{70}\text{As}$	relative I_γ			
9525 BNL Expt J NP/A	309 285 078 4.0+1			Filevich+ TBL. 9 GS. DED. A0,A2,A4
$^{72}\text{Ge}(\text{O},\text{B},\text{x})$	partial relative $\sigma(E)$			
9526 FSU Expt J PR/C	20 164 779 3.1+1 4.0+1			Clements+ CURV. 6 GAMMAS.
$^{72}\text{Ge}(\text{O},\text{B},\text{x})$	isotopic distribution product yield			
9527 FSU Expt J PR/C	20 164 779 3.7+1			Clements+
$^{73}\text{Ge}(\text{O},\text{B},\text{x})$	isotopic distribution product yield			
9528 FSU Expt J PR/C	20 164 779 4.0+1			Clements+
$^{110}\text{Cd}(\text{O},\text{B},\text{B})^{117}\text{Te}$	product yield			
9529 STB Expt A BAP	22 594 477 4.2+1			Gai+ NDG.
$^{118}\text{Sn}(\text{O},\text{B},\text{B})^{123}\text{Cs}$	partial product yield			
9530 STB Expt A DA/B	39 4948 479	NDG		Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
$^{117}\text{Sn}(\text{O},\text{B},\text{B})^{124}\text{Cs}$	partial product yield			
9531 STB Expt A DA/B	39 4948 479	NDG		Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
$^{118}\text{Sn}(\text{O},\text{B},\text{B})^{124}\text{Cs}$	relative I_γ			
9532 STB Expt A BAP	24 650 479	NDG		Chowdhury+ NDG. IN-BEAM GAMMAS.
$^{118}\text{Sn}(\text{O},\text{B},\text{B})^{126}\text{Cs}$	partial product yield			
9533 STB Expt A DA/B	39 4948 479	NDG		Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
$^{119}\text{Sn}(\text{O},\text{B},\text{B})^{126}\text{Cs}$	partial product yield			
9534 STB Expt A DA/B	39 4948 479	NDG		Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
$^{120}\text{Sn}(\text{O},\text{B},\text{B})^{128}\text{Cs}$	relative I_γ			
9535 STB Expt A BAP	24 650 479	NDG		Chowdhury+ NDG. IN-BEAM GAMMAS.
$^{120}\text{Sn}(\text{O},\text{B},\text{B})^{127}\text{Cs}$	partial product yield			
9536 STB Expt A DA/B	39 4948 479	NDG		Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
$^{121}\text{Sn}(\text{O},\text{B},\text{B})^{128}\text{Cs}$	partial product yield			
9537 STB Expt A DA/B	39 4948 479	NDG		Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
$^{122}\text{Sn}(\text{O},\text{B},\text{B})^{129}\text{Cs}$	partial product yield			
9538 STB Expt A DA/B	39 4948 479	NDG		Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{123}\text{Sn}(^{10}\text{B},3\text{n})^{130}\text{Cs}$	partial product yield		
9539	STB Expt A DA/B	39	4948	479	NDG Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
		$^{124}\text{Sn}(^{10}\text{B},3\text{n})^{131}\text{Cs}$	partial product yield		
9540	STB Expt A DA/B	39	4948	479	NDG Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
		$^{142}\text{Nd}(^{10}\text{B},4\text{n})^{148}\text{Tb}$	partial relative $\sigma(E)$		
9541	MCM Expt J CJP	57	358	79	4.6+1 5.4+1 Singhal+ CURV. 12 SELECTED GS. 3 ENERG.
	Expt J CJP	57	358	79	5.4+1 Singhal+ TBL. 13 GS. GE(LI).
		$^{142}\text{Nd}(^{10}\text{B},3\text{n})^{148}\text{Tb}$	partial product yield		
9542	MCM Expt J CJP	57	1959	79	4.6+1 5.4+1 Singhal+ NDG. IN-BEAM GAMMA EXCIT.
		$^{142}\text{Sm}(^{10}\text{B},4\text{n})^{148}\text{Ho}$	product yield		
9543	TAM Expt P ORNL-5498	35	679	8.5+1	9.6+1 Tolh+ NDG. T1/2=(9+-1)SEC.
		$^{142}\text{Sm}(^{10}\text{B},3\text{n})^{140}\text{Ho}$	product yield		
9544	TAM Expt P ORNL-5498	35	679	8.5+1	9.6+1 Tolh+ NDG. T1/2=(21+-2)SEC.
		$^{150}\text{Sm}(^{10}\text{B},5\text{n})^{155}\text{Ho}$	I_{γ}		
9545	TAM Expt J ZP/A 288	79	78	6.0+1	7.0+1 Devous+ NDG. G-RAY EXCIT. FUNCT.
	Expt J ZP/A 288	79	78	6.0+1	7.0+1 Devous+ NDG.
		$^{159}\text{Tb}(^{10}\text{B},3\text{n}+\alpha)^{162}\text{Er}$	partial relative $\sigma(E)$		
9546	TAM Expt J PRL	41	92	778	7.5+1 Zolnowski+ TBL. EA=35-41MEV. 7 TRANS.
	Expt J PRL	41	92	778	7.5+1 Zolnowski+ CURV. SIDE-FEEDING IN YRAST
		$^{197}\text{Au}(^{10}\text{B},8\text{n})^{199}\text{Po}$	relative $\sigma(E)$		
9547	WHA Expt J APPB	7	141	76	7.8+1 1.0+2 Korman+ CURV. ARBITRARY UNITS.
		$^{197}\text{Au}(^{10}\text{B},7\text{n})^{200}\text{Po}$	relative $\sigma(E)$		
9548	WHA Expt J APPB	7	141	76	7.8+1 1.0+2 Korman+ CURV. ARBITRARY UNITS.
		$^{197}\text{Au}(^{10}\text{B},6\text{n})^{201}\text{Po}$	relative $\sigma(E)$		
9549	WHA Expt J APPB	7	141	76	7.8+1 1.0+2 Korman+ CURV. ARBITRARY UNITS.
		$^{197}\text{Au}(^{10}\text{B},5\text{n})^{202}\text{Po}$	relative $\sigma(E)$		
9550	WHA Expt J APPB	7	141	76	7.8+1 1.0+2 Korman+ CURV. ARBITRARY UNITS.
		$^{209}\text{Bi}(^{10}\text{B},x)^{204}\text{Bi}$	partial relative $\sigma(E)$		
9551	YAL Expt J ZP/A 279	301	76	7.8+0	8.8+1 Raich+ CURV. EG = 0.899MEV.
		$^{209}\text{Bi}(^{10}\text{B},x)^{208}\text{Po}$	partial relative $\sigma(E)$		
9552	YAL Expt J ZP/A 279	301	76	6.8+1	8.8+1 Raich+ CURV. EG = 1.031MEV.
		$^{209}\text{Bi}(^{10}\text{B},x)^{209}\text{At}$	partial relative $\sigma(E)$		
9553	YAL Expt J ZP/A 279	301	76	6.8+1	8.8+1 Raich+ CURV. EG = 0.545MEV.
		$^{209}\text{Bi}(^{10}\text{B},x)^{210}\text{At}$	partial relative $\sigma(E)$		
9554	YAL Expt J ZP/A 279	301	76	0.0+0	Raich+ CURV. EG = 1.180MEV.
		$^{209}\text{Bi}(^{10}\text{B},x)^{211}\text{Rn}$	partial relative $\sigma(E)$		
9555	YAL Expt J ZP/A 279	301	76	6.8+1	8.8+1 Raich+ CURV. EG = 0.674MEV.
		$^{209}\text{Bi}(^{10}\text{B},6\text{n})^{213}\text{Ra}$	relative I_{γ}		
9556	YAL Expt J ZP/A 279	301	76	6.8+1	8.8+1 Raich+ CURV. THREE GAMMAS.
		$^{233}\text{U}(^{10}\text{B},x)^{234}\text{Am}$	cumulative? $\sigma(E)$		
9557	BRK Expt A BAP	23	46	178	5.5+1 8.5+1 Somerville+ NDG. T1/2=2.6M.
		$^{239}\text{U}(^{10}\text{B},4\text{n})^{241}\text{Bk}$	$\sigma(E)$		
9558	BRK Expt P LBL-8151	33	678	5.2+1	6.0+1 Williams+ NOT OBSERVED. RADIOCHEMISTRY.
		$^{238}\text{U}(^{10}\text{B},x)$	isotopic distribution cumulative? $\sigma(E)$		
9559	BRK Expt J PR/C	19	1794	579	6.7+1 Williams+ TBL. 4 PRODUCTS.
		systematics($^{10}\text{B},x$)	$\sigma(E)$		
9560	BUC Revw J APH	2	133	77	4.5+1 1.5+2 Poenaru+ TBL. HVY EL. FISS. ISO. PRD.
		systematics($^{10}\text{B},x$)	ratio $\sigma(E)$		
9561	BUC Revw J APH	2	133	77	4.5+1 1.5+2 Poenaru+ TBL. RAT M/G FISS. PRD.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
	¹¹ B(¹¹ B,x)	compound-nucleus σ(E) x factor			
9562	ORL Revu C 77TFNN	22	77	3.1+0 7.5+0	Stokstead. CURV. 1/SIG(OM). NP/A 259,513
	¹¹ B(¹¹ B,absorption)	σ(E)			
9563	LUQ Expt J NP/A 259	513	76	3.2+0 7.4+0	High+ CURV.
	¹² C(¹¹ B,x)	compound-nucleus σ(E)			
9564	UI Theo A BAP	21	588	76	NDG. Arnould+ NDG.
	¹² C(¹¹ B,total)	σ(E)			
9565	LUQ Expt J NP/A 278	149	277	4.0+0 1.1+1	High+ TBL.
	¹² C(¹¹ B,total)	σ(E) x factor			
9566	LUQ Expt J NP/A 278	149	277	4.0+0 1.1+1	High+ TBL. CURV.
	¹² C(¹¹ B, ⁷ Li) ¹⁶ O	partial σ(E)			
9567	BNL Expt A BAP	23	540	478	7.2+1 Becchetti+ NDG. Q3D SPECT. A-CLUSTER ST
	²⁶ Mg(¹¹ B,absorption)	σ(E)			
9568	BNL Theo C 76ANL-2	2	753	476	1.2+2 Schwartzchild+ TBL. VARIATION WITH Z1Z2
	²⁷ Al(¹¹ B,x) isotopic distribution	σ(E)			
9569	FSU Expt J PR/C	19	2206	679	5.0+1 Parks+ CURV. INTAD. 10 ISOTOPES. Z=3-9.
	²⁸ Si(¹¹ B,x) isotopic distribution	σ(E)			
9570	FSU Expt J PR/C	19	2206	679	5.0+1 Parks+ CURV. INTAD. 10 ISOTOPES. Z=3-9.
	⁴⁸ Ca(¹¹ B,x) _y	partial relative σ(E)			
9571	BNL Expt J PR/C	16	192	777	2.5+1 5.0+1 Nathan+ TBL. INC. E NOT GIVEN FOR TBL.
	⁴⁸ Ca(¹¹ B,x) ⁴⁷ Ca	partial relative σ(E)			
9572	BNL Expt J PR/C	16	192	777	2.5+1 5.0+1 Nathan+ CURV. FROM G YIELDS.
	⁴⁸ Ca(¹¹ B,x) ⁴⁸ Sc	partial relative σ(E)			
9573	BNL Expt J PR/C	16	192	777	2.5+1 5.0+1 Nathan+ CURV. FROM G YIELDS.
	⁴⁸ Ca(¹¹ B,x) ⁵⁰ Ti	partial relative σ(E)			
9574	BNL Expt J PR/C	16	192	777	2.5+1 5.0+1 Nathan+ CURV. FROM G YIELDS.
	⁴⁸ Ca(¹¹ B,x) ⁵¹ V	partial relative σ(E)			
9575	BNL Expt J PR/C	16	192	777	2.5+1 5.0+1 Nathan+ CURV. FROM G YIELDS.
	⁴⁸ Ca(¹¹ B,x) ⁵² V	partial relative σ(E)			
9576	BNL Expt J PR/C	16	192	777	2.5+1 5.0+1 Nathan+ CURV. FROM G YIELDS.
	⁴⁸ Ca(¹¹ B,x) ⁵³ V	partial relative σ(E)			
9577	BNL Expt J PR/C	16	192	777	2.5+1 5.0+1 Nathan+ CURV. FROM G YIELDS.
	⁴⁸ Ca(¹¹ B,x) ⁵⁴ Cr	partial relative σ(E)			
9578	BNL Expt J PR/C	16	192	777	2.5+1 5.0+1 Nathan+ CURV. FROM G YIELDS.
	⁴⁸ Ca(¹¹ B,x) ⁵⁵ Cr	partial relative σ(E)			
9579	BNL Expt J PR/C	16	192	777	2.5+1 5.0+1 Nathan+ CURV. FROM G YIELDS.
	⁴⁸ Ca(¹¹ B,x) ⁵⁶ Cr	partial relative σ(E)			
9580	BNL Expt J PR/C	16	192	777	2.5+1 5.0+1 Nathan+ CURV. FROM G YIELDS.
	⁴⁸ Ca(¹¹ B,5n) ⁵⁴ Mn	partial relative σ(E)			
9581	BNL Expt J PR/C	16	192	777	2.5+1 5.0+1 Nathan+ CURV. FROM G YIELDS.
	⁴⁸ Ca(¹¹ B,4n) ⁵⁵ Mn	partial relative σ(E)			
9582	BNL Expt J PR/C	16	192	777	2.5+1 5.0+1 Nathan+ CURV. FROM G YIELDS.
	⁴⁸ Ca(¹¹ B,3n) ⁵⁶ Mn	partial relative σ(E)			
9583	BNL Expt J PR/C	16	192	777	2.5+1 5.0+1 Nathan+ CURV. FROM G YIELDS.
	⁴⁸ Ca(¹¹ B,3n) ⁵⁶ Mn	relative I _y			
9584	BNL Expt J PR/C	16	192	777	2.5+1 5.0+1 Nathan+ CURV. 9 GAMMAS.
	¹⁴¹ Pr(¹¹ B,3n) ¹⁴⁸ Gd	product yield			
9585	NOT Expt A DA/B	40	1237	979	NDG. Rakel. NDG.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
159	Tb(¹¹ B,x)	compound-nucleus $\sigma(E)$			
9585	PAR Revv J RPP	39 129 76 1.1+2			Lefort. TBL. SUM OF EVAP. RES.
	Revv C 74NASH	2 81 674 1.2+2			Lefort+ 940MB,981MB. 2 REFERENCES.
159	Tb(¹¹ B,x)	compound-nucleus $\sigma(E)$ x factor			
9587	NBI Revv C 73TRIST	1 295 973 1.2+2			Siemens. TBL. L(CRIT) FRM LEFORT COMPL
165	Ho(¹¹ B,2n) ¹⁷⁴ Hf	$\sigma(E)$			
9588	IPS Revv C 73TRIST	1 317 973 5.9+1 7.5+1			Johnson. CURV. FUNC. OF J-DISTRIBUTIONS
197	Au(¹¹ B,7n) ²⁰¹ Po	relative $\sigma(E)$			
9589	MWA Expt J APPB	7 141 76 8.6+1 9.1+1			Korman+ CURV. ARBITRARY UNITS.
197	Au(¹¹ B,6n) ²⁰² Po	relative $\sigma(E)$			
9590	MWA Expt J APPB	7 141 76 7.4+1 9.1+1			Korman+ CURV. ARBITRARY UNITS.
107	Au(¹¹ B,5n) ²⁰³ Po	relative $\sigma(E)$			
9591	MWA Expt J APPB	7 141 76 6.0+1 8.6+1			Korman+ CURV. ARBITRARY UNITS.
197	Au(¹¹ B,4n) ²⁰⁴ Po	relative $\sigma(E)$			
9592	MWA Expt J APPB	7 141 76 6.0+1 7.8+1			Korman+ CURV. ARBITRARY UNITS.
232	Th(¹¹ B, ¹¹ Li) ²³² U	product yield			
9593	BRK Expt P ISN-77-01	65 76 NDG			Scott+ NDG.
235	U(¹¹ B,4n) ²⁴² Bk	$\sigma(E)$			
9594	BRK Expt J PR/C	19 1794 579 5.5+1 6.5+1			Williams+ CURV. T1/2=7.0MIN.
235	U(¹¹ B,x) isotopic distribution	cumulative? $\sigma(E)$			
9595	BRK Expt J PR/C	19 1794 579 6.0+1			Williams+ TBL. 7 PRODUCTS.
	Expt P LBL-8151	33 678 6.0+1			Williams+ TBL. AM238-BK243. RADIOCHEM.
238	U(¹¹ B,3n+ α) ^{242m/9} Am	ratio $\sigma(E)$			
9596	BUC Revv J APH	2 133 77 5.0+1 6.5+1			Poenaru. CURV. FUNC. OF ANG. MOMENTUM.
238	U(¹¹ B,fission) isotopic distribution	cumulative fission yield			
9597	PAR Expt J PR/C	14 2185 76 8.5+1			Desaint-Simon+ CURV. RB+CS ON-LINE MS.
253	Cs(¹¹ B,x) ²⁵⁶ Fm	cumulative $\sigma(E)$			
9598	BRK Expt P LBL-5075	160 076 5.2+1 8.8+1			Somerville+ CURV. SF ACTIVITY.
9	Be(¹² C,x)	compound-nucleus $\sigma(E)$			
9599	LUQ Expt J NP/A	296 333 278 6.6+0 1.5+1			Cheung+ TBL. CURV. FUSION SIG.
9	Be(¹² C,x)	compound-nucleus $\sigma(E)$ x factor			
9600	LUQ Expt J NP/A	296 333 278 6.6+0 1.5+1			Cheung+ TBL. CURV. FUSION SIG. S-FCT.
9	Be(¹² C, ⁹ Be) ¹³ C	partial $\sigma(E)$ x factor			
9601	LUQ Expt J NP/A	296 333 278 2.3+0 1.4+1			Cheung+TBL.CURV.3.09-+3.85-MEV ST.S-FCT
9602	CAL Exth J NP/A	289 236 077 3.5+0 9.5+0			Swilkowski+ CURV. 3.1-MEV ST. S-FCT.
9	Be(¹² C, ⁹ Be) ¹³ C	partial $\sigma(E)$			
9603	LUQ Expt J NP/A	296 333 278 2.3+0 1.4+1			Cheung+ TBL. CURV.3.088- + 3.854-MEV ST
9	Be(¹² C, ⁹ Be) ¹³ C	thick target yield			
9604	BOC Exth C 77TOKYO	610 977 2.1+0 5.2+0			Uhlhorn+ NDG.
9	Be(¹² C, ⁹ Be) ¹³ C	$\sigma(E)$			
9605	BOC Exth C 77TOKYO	610 977 2.1+0 5.2+0			Uhlhorn+ CURV. FROM THICK TARGET YLD.
10	B(¹² C,x)	compound-nucleus $\sigma(E)$ x factor			
9606	LYO Theo J ZP/A	285 333 78 3.8+0 1.3+1			Avishai+ CURV. S-FCT. CLOSED FORM. FUS.
9607	MST Revv J ARN	28 115 078 4.2+0 1.7+1			Rolfs+CURV. FUSION S-FACTOR. PRL.37,888
9608	CAL Expt J PRL	37 888 76 5.0+0 1.6+1			Stokstad+ CURV. SEE NP/A 261,478(76).
9609	ORL Revv C 77TENN	22 77 5.5+0 1.6+1			Stokstad.CURV.1/OM.NPA261,478/278,149
10	B(¹² C,x)	compound-nucleus $\sigma(E)$			
9610	ANL Expt P ANL-79-40	43 79 NDG			Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
10	B(¹² C,absorption)	$\sigma(E)$			
9611	CAL Expt J NP/A	261 478 76 5.0+0 1.6+1			Dayras+ CURV. DED. FROM PARTIALS/THEORY

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		¹⁰ B(¹² C, α) ¹⁸ F $\sigma(E)$			
9612	CAL Expt J NP/A 261	478	76 5.0+0	1.6+1	Dayras+ CURV MEASURED GAMMAS
		¹⁰ B(¹² C, p) ²¹ Ne $\sigma(E)$			
9613	CAL Expt J NP/A 261	478	76 5.0+0	1.6+1	Dayras+ CURV MEASURED GAMMAS
		¹⁰ B(¹² C, n) ²¹ Ne $\sigma(E)$			
9614	CAL Expt J NP/A 261	478	76 5.0+0	1.6+1	Dayras+ CURV MEASURED GAMMAS
		¹¹ B(¹² C, x) compound-nucleus $\sigma(E)$ x factor			
9615	LYO Theo J ZP/A 285	333	78 3.4+0	1.2+1	Avishai+ CURV. S-FCT. CLOSED FORM. FUS.
9616	MST Revv J ARN 28	115 078	3.6+0	1.6+1	Roifls+CURV. FUSION S-FACTOR. PRL 37,888
9617	CAL Expt J PRL 37	888	76 5.0+0	1.6+1	Stokstad+ CURV. SEE NP/A 261,478(76).
9618	ORL Revv C 77TENN	22	77 5.5+0	1.5+1	Stokstead.CURV.1/OM.NPA261,478/278,149
		¹¹ B(¹² C, x) compound-nucleus $\sigma(E)$			
9619	ANL Expt P ANL-79-40	43	79 NDG		Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
		¹¹ B(¹² C,absorption) $\sigma(E)$			
9620	CAL Expt J NP/A 261	478	76 5.0+0	1.6+1	Dayras+ CURV. DED. FROM PARTIALS/THEORY
		¹¹ B(¹² C, α) ¹⁸ F $\sigma(E)$			
9621	CAL Expt J NP/A 261	478	76 5.0+0	1.6+1	Dayras+ CURV MEASURED GAMMAS
		¹¹ B(¹² C, p) ²² Ne $\sigma(E)$			
9622	CAL Expt J NP/A 261	478	76 5.0+0	1.6+1	Dayras+ CURV MEASURED GAMMAS
		¹¹ B(¹² C, n) ²² Ne $\sigma(E)$			
9623	CAL Expt J NP/A 261	478	76 5.0+0	1.6+1	Dayras+ CURV MEASURED GAMMAS
		¹² C(¹² C, x) compound-nucleus $\sigma(E)$			
9624	BRK Revv S BNL-51115	905 779	NDG		Scott. CURV. CONFERENCE SUMMARY.
9625	ROC Revv S BNL-51115	235 779	NDG		Huizenga+ CURV. MAX. FUSION SIGMA
9626	TNL Theo P OR0-1667-17109	79 NDG			Howard+ NDG. SUB-COULOMB FUSION
	Theo P A-TNL-78	107 79	NDG		. SAME AS OR0-1667-17.
9627	UI Theo A BAP 21	588 76	NDG		Arnould+ NDG.
9628	IPN Theo C 75MRYLND	526 75	2.5+0 9.0+0		Castro+ CURV.
9629	LUQ Expt J NP/A 282	181 577	6.5+0 1.2+1		High+ CURV. FRM (C12,A) + (C12,P)
9630	BZL Theo J PR/C 18	2152 N78	1.0+1 5.5+1		Vaz+ CURV. SYS. SEMIEMP. ANALYS. OF FUS
9631	PAR Theo J NP/A 331	213 N77	1.0+1 7.0+1		Cugnon+ CURV. FUSION. NUCL. MOLECULES.
9632	SAC Theo J PR/C 19	747 379	1.0+1 3.0+1		Nagatani+ CURV. ANAL.FUSION. VAR. POTEN
	Expt J NP/A 309	515 078	2.8+1 5.6+1		Conjeaud+CURV.COMPL. FUS. FRM EVAP. RES
	Theo C 77TOKYO	659 977	1.8+1 6.2+1		Nagatani+ FUS. SIG. CALC. CFD. TO EXP.
	Expt J B15 224	134 777	2.8+1 5.1+1		Harar. CURV. COMPLETE FUSION.
	Expt C 76ANL-2	2 499 476	2.4+1 5.8+1		Conjeaud+ NDG. FUS = SUM OF EVAP. RES.
9633	YAL Expt J PR/C 19	1365 479	1.2+1 6.0+1		Abe+ CURV. FUSION. SMOOTH-CUTOFF MODEL
9634	JLU Revv C 76ANL-2	1 341 476	1.3+1 6.7+1		Mosel. CURV.
9635	TOK Theo J NP/A 309	233 078	1.4+1 6.0+1		Tanimura+ CURV. FUSION J DEP. 2 MODELS.
	Theo J NCL 23	70 978	1.4+1 6.4+1		Tanimura+ CURV. FUS SIG. 2 MOD CFD EXP.
	Theo J NCL 23	70 978	1.4+1 6.4+1		Tanimura+ CURV. J DECOMPOSITION OF FUS
	Theo C 77TOKYO	634 977	1.4+1 6.2+1		Tanimara. CURV.FOLDING MODEL CFD TO EXP
9636	ANL Expt J PR/C 20	1305 079	1.5+1 6.2+1		Kovar+ TBL. CURV. FUSION. CFD OTHERS.
	Expt C 77TOKYO	660 977	NDG		Kovar+ CURV. MAX. FUSION SIGMA.
	Expt P ANL-76-96	35 77	1.5+1 6.4+1		Sperr+ CURV. SUM OF EVAP. RES.
	Expt P ANL-76-96	35 77	NDG		Sperr+ MAX. SIG.=(940-30)MB.
	Expt C 76ANL-2	2 783 476	1.6+1 4.2+1		Sperr+ CURV. FUS = SUM OF EVAP. RES.
	Expt J PRL 37	321 76	1.5+1 7.2+1		Sperr+ CURV. INTAD. EVAP. RESID.
9637	HAU Theo J PL/B 87	183 N79	1.6+1 4.8+1		Vandenbosch. CURV. FUSION.
9638	BNL Expt J PRL 40	924 478	2.0+1 6.0+1		Cormier+CURV. FUSION. SPERR+
9639	MBG Revv C 78GRAZ	2 414 78	2.0+1 6.0+1		Fick. CURV. NARROW RES IN CONTINUUM.
9640	MIT Revv C 77TENN	73 77	2.3+1 4.7+1		Negels. CURV. FRM PRL 37, 321(1976)
9641	STR Revv C 77TOKYO	656 977	2.4+1 9.0+1		Cormier+ CURV. CFD INL.,FUS.+2A SIGMAS
9642	STR Expt J PR/C 21	579 280	2.8+1 6.2+1		Kolata+ CURV. FUSION. SUM OF RESID.
9643	GRE Expt P ISN-70-01	38 79	2.9+1 2.0+2		Conjeaud+ CURV. GLA-MODEL MODEL. FUSION
	Expt P CEA-N-2070	189 978	2.9+1 2.0+2		Conjeaud+ CURV. GLAS-MODEL CFD EXP.
		¹² C(¹² C, x) compound-nucleus $\sigma(E)$ x factor			
9644	NBI Theo J NP/A 280	205 477	4.4+0 1.8+1		Christenson+ CURV. S-FCT.
9645	ORL Revv C 77TENN	22 77	5.1+0 1.6+1		Stokstead. CURV. 1/SIG(OM). PR/C 7,1280
9646	LYO Theo J ZP/A 285	333 78	5.3+0 1.3+1		Avishai+ CURV. S-FCT. CLOSED FORM. FUS.
9647	CAL Expt C 77TOKYO	661 977	6.0+0 1.8+1		Wu+ CURV.FUS SIG.S-FCT. FROM AAA 13, 69

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{12}\text{C}(^{12}\text{C},x)$ compound-nucleus $\sigma(E)\times\text{factor}$						
9648	MST	Revw	J ARN 28	115	078 1.4+1 2.6+1	Rolfs+ CURV. FUSION S-FACTOR. 3 REFS.
		Revw	J ARN 28	115	078 4.7+0 1.7+1	Rolfs+CURV. FUSION S-FACTOR. PRL 37,888
$^{12}\text{C}(^{12}\text{C},x)$ $\sigma(E)$						
9649	SAC	Expt	C 76ANL-2	2	499 476 2.4+1 5.8+1	Conjeaud+ NDG. EVAP. RESIDUES.
$^{12}\text{C}(^{12}\text{C},x)$ partial $\sigma(E)$						
9650	LUÖ	Expt	J NP/A 282	181	577 6.5+0 1.2+1	High+ TBL. SUM OF SIG(P)+SIG(N)
$^{12}\text{C}(^{12}\text{C},x)$ compound-nucleus product yield						
9651	BRC	Expt	P NEANDC(E)-1824	77	NDG	Michaudon. NDG. SEE INDC(FR)-14, 80
$^{12}\text{C}(^{12}\text{C},x)$ partial compound-nucleus $\sigma(E)$						
9652	STR	Expt	J PR/C 21	579	280 2.8+1 6.2+1	Kolala+ CURV. FUSION - 3A.
$^{12}\text{C}(^{12}\text{C},\text{nonelastic})$ $\sigma(E)$						
9653	ROC	Revw	A BAP 24	814	979 NDG	Cornier. NDG. STRUCTURE.
9654	TOK	Theo	J NP/A 309	233	078 5.0+1 7.1+1	Tanimura+ CURV. J DEPENDENCE. 3 MODELS.
$^{12}\text{C}(^{12}\text{C},\text{absorption})$ partial $\sigma(E)$						
9655	TOK	Theo	J PL/B 80	340	179 3.5+1	Tanimura+TBL.AS FUNC. OF J. VARIOUS MOD
$^{12}\text{C}(^{12}\text{C},\text{absorption})$ $\sigma(E)$						
9656	TNL	Theo	P ORO-1667-17117	79	5.0+0 1.4+1	Park+ NDG. QUASI-MOLECULAR.
		Theo	P A-TNL-78	117	79 5.0+0 1.4+1	. SAME AS ORO-1667-17.
9657	LUQ	Expt	J NP/A 282	181	577 6.5+0 1.2+1	High+ TBL.
		Expt	J NP/A 259	513	76 7.6+0 1.2+1	High+ CURV.
9658	LAS	Revw	S BNL-51115	513	779 6.7+0 6.3+2	De-Vries+ CURV. CFD EXPT AND MODEL.
9659	NAG	Theo	C 77TOKYO	635	977 8.0+0 1.4+1	Kondo+ CURV. POTENTIAL MODEL CFD EXP.
9660	MIT	Revw	J JPRC 37	177	N76 1.4+1 6.0+1	Feshbach. CURV.
9661	CAL	Theo	P LAP-149	176	1.5+1 1.8+1	Swilkowski. CURV. 2 STCKY HARD SPHERES
9662	STR	Expt	J PR/C 21	579	280 2.8+1 6.2+1	Kolala+ CURV. EXPT AND CALC.
9663	TOK	Theo	J PL/B 80	340	179 3.5+1	Tanimura+TBL. SUM OVER J. VARIOUS MODEL
		Theo	J NP/A 309	233	078 5.0+1 7.1+1	Tanimura+ CURV. J DEPENDENCE. 3 MODELS.
9664	BNL	Theo	W R.C. FULLER	077	4.0+1 8.8+1	Fuller. CURV.
9665	TAM	Expt	J NP/A 263	491	76 4.5+1 2.0+2	Namboodiri+ TBL.
$^{12}\text{C}(^{12}\text{C},\text{absorption})$ $\sigma(E)\times\text{factor}$						
9666	LUQ	Expt	J NP/A 282	181	577 6.5+0 1.2+1	High+ TBL. S-FACTOR.
9667	NAG	Theo	C 77TOKYO	635	977 8.0+0 1.4+1	Kondo+ CURV. S-FACTOR. NUCLEAR MOLECULE
$^{12}\text{C}(^{12}\text{C},\text{absorption})$ partial $\sigma(E)\times\text{factor}$						
9668	NAG	Theo	C 77TOKYO	635	977 8.0+0 1.4+1	Kondo+CURV.J(IPI)=0,2,4(+).S-FCT.NUC.MOL
$^{12}\text{C}(^{12}\text{C},\text{total})$ partial $\sigma(E)$						
9669	TOK	Theo	J PL/B 80	340	179 3.5+1	Tanimura+TBL.AS FUNC. OF J. VARIOUS MOD
$^{12}\text{C}(^{12}\text{C},\text{total})$ $\sigma(E)$						
9670	YAL	Revw	A BAP 23	624	478 NDG	Erb+ NDG. QUASI-MOLECULAR RESONANCES.
9671	HAU	Theo	J PL/B 87	183	N79 1.2+1 4.5+1	Vandenbosch. CURV. OVERLAPPING COMPOUND
9672	TOK	Theo	J PL/B 80	340	179 3.5+1	Tanimura+TBL. SUM OVER J. VARIOUS MODEL
9673	WIS	Theo	J PL/B 87	179	N79 4.4+1 8.2+1	Friedman+ CURV. BARRIER-TOP RES. MODEL.
$^{12}\text{C}(^{12}\text{C},\text{total})$ $\sigma(E)\times\text{factor}$						
9674	IPN	Theo	J PR/C 14	332	76 2.5+0 9.0+0	Castro+. CURV. QUASIMOLECULAR MODEL.
9675	UI	Theo	J NP/A 274	295	076 5.0+0 1.6+1	Arnould+ CURV. S-FACTOR. LIQUID-DROP.
9676	YAL	Expt	J PR/C 20	1014	979 1.3+1 1.4+1	Korotky+ CURV. S-FCT. GAMMA TECH.
$^{12}\text{C}(^{12}\text{C},x)y$ relative $\sigma(E)$						
9677	SAC	Revw	J NIM 146	253	077 9.0+0 2.8+1	Papineau. CURV. PRL 4, 515(1960).
$^{12}\text{C}(^{12}\text{C},x)y$ $\sigma(E)\times\text{factor}$						
9678	YAL	Theo	C 77TOKYO	640	977 6.0+0 4.8+1	Erb+ CURV. S-FCT. MOLECULAR RES.
		Expt	C 77TOKYO	638	977 1.2+1 1.6+1	Erb+ CURV. S-FACTOR.
		Revw	C 75MRYLND	465	75 6.4+0 1.5+1	Bromley. CURV. MOLECULAR STATES. S-FCT.
9679	MIT	Revw	J JPRC 37	177	N76 6.2+0 1.6+1	Feshbach. CURV. S-FACTOR.
9680	BRC	Revw	J NIM 146	279	077 6.4+0 1.5+1	Cindro. CURV.
9681	KTO	Revw	C 75MRYLND	500	75 6.4+0 1.6+1	Abe. CURV. MOLECULAR STATES. S-FCT.
		Theo	C 75MRYLND	532	75 6.4+0 1.6+1	Kondo+ CURV. S-FCT. CFD. CALC./EXP. MOL

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{12}\text{C}(^{12}\text{C},x)\gamma$ relative I_γ				
9682 YAL Revu C	75MRYLND	465	75 9.0+0 2.8+1	Bromley, CURV. MOLECULAR STATES. CRC DAT
$^{12}\text{C}(^{12}\text{C},x)\gamma$ $\sigma(E)$				
9683 YAL Expt A	BAP 22	38	177 1.3+1 1.6+1	Erb+ NDG. MANY RESONANCES.
$^{12}\text{C}(^{12}\text{C},x)n$ $\sigma(E)$				
9684 ORL Expt P	ORNL-5306	59	677 NDG	Bair+ NDG. PAPER IN PREPARATION
Expt A	BAP 22	628	477 8.0+0 4.0+1	Del-Campo+ NDG. 200KEV STEPS.
Expt P	ORNL-5137	87	576 7.0+0 3.0+1	Bair+ CURV.
$^{12}\text{C}(^{12}\text{C},x)n$ relative $\sigma(E)$				
9685 SAC Revu J	NIM 146	253	077 9.0+0 2.8+1	Papineau, CURV. PRL 4, 515(1960).
9686 YAL Revu C	75MRYLND	465	75 9.0+0 2.8+1	Bromley, CURV. MOLECULAR STATES. CRC DAT
$^{12}\text{C}(^{12}\text{C},x)^1\text{H}$ relative $\sigma(E)$				
9687 SAC Revu J	NIM 146	253	077 9.0+0 2.8+1	Papineau, CURV. PRL 4, 515(1960).
9688 YAL Revu C	75MRYLND	465	75 9.0+0 2.8+1	Bromley, CURV. MOLECULAR STATES. CRC DAT
$^{12}\text{C}(^{12}\text{C},x)^4\text{He}$ relative $\sigma(E)$				
9689 SAC Revu J	NIM 146	253	077 9.0+0 2.8+1	Papineau, CURV. PRL 4, 515(1960).
9690 YAL Revu C	75MRYLND	465	75 9.0+0 2.8+1	Bromley, CURV. MOLECULAR STATES. CRC DAT
$^{12}\text{C}(^{12}\text{C},x)^4\text{He}$ partial product yield				
9691 KSU Expt A	BAP 23	616	478 1.8+1 3.2+1	Legg+NDG.A-REACTION CHANNELS.R-MAT. ANA
$^{12}\text{C}(^{12}\text{C},x)^4\text{He}$ $\sigma(E)$				
9692 NOT Expt J	PR/C 21	776	280 2.4+1 6.3+1	Kolata+ CURV. INCLUSIVE PRODUCTION.
9693 STR Expt J	PR/C 21	579	280 2.8+1 6.2+1	Kolata+ CURV. INCLUSIVE PRODUCTION.
$^{12}\text{C}(^{12}\text{C},x)^4\text{He}$ partial $\sigma(E)$				
9694 NOT Expt J	PR/C 21	776	280 2.4+1 6.3+1	Kolata+ CURV. ANOMALOUS YIELD.
9695 STR Expt J	PR/C 21	579	280 2.8+1 6.2+1	Kolata+ CURV. ANOMALOUS YIELD.
$^{12}\text{C}(^{12}\text{C},2\alpha+x)^4\text{He}$ $\sigma(E)$				
9696 NOT Expt J	PR/C 21	776	280 2.4+1 6.3+1	Kolata+ CURV. EFFECTIVE 3A-EMISSION.
9697 STR Expt J	PR/C 21	579	280 2.8+1 6.2+1	Kolata+ CURV. 3A-EVAPORATION.
$^{12}\text{C}(^{12}\text{C},x)^{12}\text{C}$ partial direct-interaction $\sigma(E)$				
9698 STR Expt J	PR/C 21	~579	280 2.8+1 6.2+1	Kolata+ CURV. TOTAL DIRECT YIELD OF 2+
$^{12}\text{C}(^{12}\text{C},\text{scattering})^{12}\text{C}$ $\sigma(E)$ at resonance				
9699 ROC Expt J	PRL 43	256	779 6.2+1	Clover+ 63.3MB FROM PRL 40, 924.
$^{12}\text{C}(^{12}\text{C},\text{scattering})^{12}\text{C}$ $\sigma(E)$				
9700 ROC Revu A	BAP 24	814	979 NDG	Cormier, NDG. STRUCTURE.
$^{12}\text{C}(^{12}\text{C},\text{inelastic})^{12}\text{C}$ partial $\sigma(E)$				
9701 NAG Theo C	77TOKYO	636	977 1.5+1 4.5+1	Kondo+CURV. 2+, 2+ STS. PRL 38, 940, 17XUNIT.
9702 YAL Expt J	PR/C 19	1356	479 2.0+1 8.0+1	Kondo+CURV. SINGLE 2+ BAND-CROSSING MOD
Expt J	PR/C 19	1356	479 2.0+1 8.0+1	Kondo+CURV. MUTUAL 2+ BAND-CROSSING MOD
Expt J	PR/C 19	1356	479 2.0+1 8.0+1	Kondo+ CURV. $J(\pi)=14+$. TRUNCATED MODEL
Theo J	PRL 42	566	279 2.4+1 6.8+1	Phillips+ CURV. ORIGIN OF GROSS STRUCT.
9703 WIS Theo J	PL/B 87	179	N79 2.2+1 8.0+1	Friedman+ CURV. BARRIER-TOP RES. MODEL.
9704 SAC Expt J	BIS 224	134	777 2.4+1 8.8+1	Harar, CURV. 2+ TO G.S. CFD. FUS.
9705 STB Revu C	77TOKYO	656	977 2.4+1 9.0+1	Cormier+ CURV. CFD INL., FUS., +2A SIGMAS
9706 PEN Expt J	PRL 43	837	979 2.9+1 6.4+1	Cannelli+ CURV. FROM DWBA FIT TO DA.
9707 BNL Expt J	PRL 40	924	478 3.0+1 9.0+1	Cormier+ CURV. TOTAL 2+(1) INL. CFD OTHER
9708 TOK Theo J	NP/A 309	233	078 3.2+1 8.0+1	Tanimura+ CURV. SINGLE+MUTUAL 2+ EXCIT.
9709 ROC Expt J	PR/C 21	198	180 4.4+1 8.0+1	Fulton+ CURV. 3- TO 0+, FROM DIFF. SIGM
Expt J	PRL 43	256	779 4.4+1 8.0+1	Clover+ CURV. INTAD. 2+ STATE FOR EACH.
$^{12}\text{C}(^{12}\text{C},\text{inelastic})^{12}\text{C}$ partial $\sigma(E)$ at resonance				
9710 ROC Expt J	PRL 43	256	779 6.2+1	Clover+ 35.3MB FROM PRL 40, 924.
$^{12}\text{C}(^{12}\text{C},\text{inelastic})^{12}\text{C}$ partial $\sigma(E)_\gamma$				
9711 STR Expt J	PR/C 21	579	280 2.8+1 6.2+1	Kolata+ CURV. G-METHOD. 2+ STATE.
Revu S	LYCEN-7902	379	2.8+1 6.0+1	Haas+ P. 5.6.1. CURV. G-METH. 2+ TO 0+
9712 BNL Expt A	BAP 23	616	478 3.0+1 7.0+1	Jachymski+NDG. 4.43MEV ST. OED. PRT. WID
9713 STB Expt J	PRL 38	940	477 3.0+1 9.0+1	Cormier+ CURV. INTAD. 2+ ST OUT + RES
Expt J	PRL 38	940	477 3.0+1 9.0+1	Cormier+ CURV. INTAD. 2+ TO 0+ TRANSITI

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{12}\text{C}(^{12}\text{C}, \text{inelastic})^{12}\text{C}$	compound-nucleus $\sigma(E)$ factor		
9714	STB Expt J PRL	38	940 477	5.0+1 7.4+1	Cormier+ TBL. FCT=1/(2(2J+1)PI*LAMB**2
		$^{12}\text{C}(^{12}\text{C}, \text{inelastic})^{12}\text{C}$	partial $\sigma(E)$ factor		
9715	TEX Expt J PR/C	16	224 777	2.1+1 4.1+1	Braithwaite+ CURV. SUM 4.44G'S IN COIN
		$^{12}\text{C}(^{12}\text{C}, \text{inelastic})^{12}\text{C}$	$\sigma(E)$		
9716	YAL Expt A BAP	23	616 478	3.4+1 5.6+1	Erb+ NDG. FRAGMENTATION.
		$^{12}\text{C}(^{12}\text{C}, \text{inelastic})^{12}\text{C}$	$\sigma(E)$		
9717	MBG Revw C 78GRAZ	2 414	78 2.0+1	9.0+1	Fick. CURV. NARROW RES IN CONTINUUM.
		$^{12}\text{C}(^{12}\text{C}, \text{elastic})^{12}\text{C}$	partial $\sigma(E)$		
9718	BNL Theo W R.C. FULLER	077	4.0+1	8.8+1	Fuller. CURV.
		$^{12}\text{C}(^{12}\text{C}, 3\alpha)^{12}\text{C}$	partial $\sigma(E)$		
9719	YAL Expt A BAP	23	616 478	3.4+1 6.6+1	Erb+ NDG. LARGE SIG. FRM INL AND G-YLD.
		$^{12}\text{C}(^{12}\text{C}, ^{11}\text{C})^{13}\text{C}$	product yield		
9720	ROC Expt A BAP	24	664 479	7.0+1	Herman+ NDG. RESONANCE DECAY STUDY.
		$^{12}\text{C}(^{12}\text{C}, ^{11}\text{C})^{13}\text{C}$	partial $\sigma(E)$		
9721	ORL Expt J PR/C	20	670 879	9.4+1	Fulmer+ CURV. INTAD(10-65 DEG).
		$^{12}\text{C}(^{12}\text{C}, ^{11}\text{B})^{13}\text{N}$	product yield		
9722	ROC Expt A BAP	24	664 479	7.0+1	Herman+ NDG. RESONANCE DECAY STUDY.
		$^{12}\text{C}(^{12}\text{C}, ^{11}\text{B})^{13}\text{N}$	partial $\sigma(E)$		
9723	ORL Expt J PR/C	20	670 879	9.4+1	Fulmer+ CURV. INTAD(10-65 DEG).
		$^{12}\text{C}(^{12}\text{C}, ^{10}\text{B})^{14}\text{N}$	partial $\sigma(E)$		
9724	ROC Expt J PRL	43	256 779	4.4+1 8.0+1	Clover+ CURV. INTAD. 0+ AND 1+ 10B ST.
9725	ORL Expt J PR/C	20	670 879	9.4+1	Fulmer+ CURV. INTAD(10-65 DEG).
		$^{12}\text{C}(^{12}\text{C}, ^{10}\text{B})^{14}\text{N}$	$\sigma(E)$ at resonance		
9726	ROC Expt J PRL	43	256 779	6.2+1	Clover+ 1.5MB.
		$^{12}\text{C}(^{12}\text{C}, ^{10}\text{B})^{14}\text{N}$	partial relative $\sigma(E)$		
9727	ORL Expt J PR/C	20	670 879	9.4+1	Fulmer+ CURV. CFD SEMICLASSICAL.
		$^{12}\text{C}(^{12}\text{C}, ^{10}\text{B})^{14}\text{N}$	$\sigma(E)$		
9728	ROC Expt A BAP	24	664 479	7.0+1	Herman+ NDG. RESONANCE DECAY STUDY.
	Expt A BAP	24	13 179	4.5+1 7.0+1	Fulton+ INTAD(5-220 DEG.). TOTAL. NDG.
		$^{12}\text{C}(^{12}\text{C}, ^9\text{Be})^{15}\text{O}$	partial relative $\sigma(E)$		
9729	BRK Revw C 75MRYLND	392	75 3.0+1	1.9+2	Harvey. 1/2-, 5/2+ 13/2+. CFD EXP/SEMICLASS
		$^{12}\text{C}(^{12}\text{C}, x)^{16}\text{O}$	partial $\sigma(E)$		
9730	STR Expt J PR/C	21	579 280	2.8+1 6.2+1	Kolata+ CURV. G-METHOD. 2+ STATE.
	Revw S LYCEN-7902		379 2.8+1	6.0+1	Haas+ P. S.6.1. CURV. G-METH. 3- TO 0+
9731	BNL Expt J PRL	40	924 478	3.0+1 6.6+1	Cormier+ CURV. 6.13 MEV G. FROM CORMIER+
		$^{12}\text{C}(^{12}\text{C}, x)^{16}\text{O}$	$\sigma(E)$ factor		
9732	NCS Exth A 74NASH	1	3 674	6.0+0 1.4+1	Park+ CURV. S-FACTOR.
		$^{12}\text{C}(^{12}\text{C}, x)^{16}\text{O}$	$\sigma(E)$		
9733	MBG Revw C 78GRAZ	2 414	78 3.0+1	6.6+1	Fick. CURV. NARROW RES IN CONTINUUM.
		$^{12}\text{C}(^{12}\text{C}, 2\alpha)^{16}\text{O}$	partial relative $\sigma(E)$		
9734	STB Revw C 77TOKYO	656 977	2.4+1	9.0+1	Cormier+ CURV. CFD INL., FUS., 2A SIGMAS
		$^{12}\text{C}(^{12}\text{C}, ^9\text{Be})^{16}\text{O}$	product yield		
9735	ROC Expt A BAP	24	664 479	7.0+1	Herman+ NDG. RESONANCE DECAY STUDY.
		$^{12}\text{C}(^{12}\text{C}, ^9\text{Be})^{16}\text{O}$	partial $\sigma(E)$		
9736	FSU Expt J PR/C	17	2248 678	1.8+1 4.0+1	James+ CURV. FRM LEG. COEF. ALSO DED RES
		$^{12}\text{C}(^{12}\text{C}, ^8\text{Be})^{16}\text{O}$	$\sigma(E)$		
9737	MUU Expt J NP/A	257	144	76 3.5+1 6.9+1	Weidinger+ CURV. ANGLE-INTEGRATED

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{12}\text{C}(^{12}\text{C},\alpha)^{20}\text{Ne}$ partial relative $\sigma(E)$					
9738	BOC Exth J NP/A 318	125 479	NDG		Kuhlmann+ CURV. J=0-6. EX=18MEV. H-F.
$^{12}\text{C}(^{12}\text{C},\alpha)^{20}\text{Ne}$ partial $\sigma(E)$ x factor					
9739	MIT Revv J JPGL 4	29	278	NDG	Branford+TBL. 11ST/AVE. SIG. WEAK EVID RES
	Revv J JPRC 37	177	N76	5.0+0 1.2+1	Feshbach. CURV. S-FACTOR.
9740	BOC Expt J PRL 38	337	277	5.0+0 1.2+1	Kellner+ CURV. S-FACTOR. E(G)=1.634.
9741	MST Revv J ARN 28	115	D78	5.0+0 1.2+1	Rolfs+ CURV. S-FACTOR(EG = 1.634 MEV)
9742	LUQ Expt J NP/A 282	181	577	6.5+0 1.2+1	High+ CURV. S-FACTOR.
9743	YAL Expt C 77TOKYO	638	977	1.2+1 1.6+1	Erb+CURV.1.634MEV G + 6.72 LEVEL.S-FACT
$^{12}\text{C}(^{12}\text{C},\alpha)^{20}\text{Ne}$ $\sigma(E)$ x factor					
9744	UEN Expt J PR/C 15	950	377	8.0+0 1.6+1	Galster+ CURV. S-FACTOR.
9745	YAL Expt C 77TOKYO	638	977	1.2+1 1.6+1	Erb+ CURV. S-FACTOR.
9746	YAL Exth C 77TOKYO	639	977	1.3+1 1.4+1	Korotky+ CURV. S-FCT. FROM ELASTIC SCAT
$^{12}\text{C}(^{12}\text{C},\alpha)^{20}\text{Ne}$ partial $\sigma(E)$					
9747	LUQ Expt J NP/A 282	181	577	6.5+0 1.2+1	High+ TBL.
9748	UEN Expt J PL/B 67	262	477	8.0+0 1.6+1	Galster+ CURV. INTAD. A0,A3,+SUM A0-A5
	Expt J PR/C 15	950	377	8.0+0 1.6+1	Galster+CURV.G.S.,4.97LEV.,SUM OF A0-A5
9749	BRC Expt P CEA-N-2037	95	678	1.1+1 1.2+1	Cocu+ TBL. L=0, 2, 4. ALSO ANG. DIST.
9750	TAM Expt J PL/B 67	399	477	1.3+1 2.5+1	Voit+ CURV. INTAD. FIRST 5 ST.+SUM OF
	Expt J PL/B 67	399	477	1.2+1 2.4+1	Voit+ CURV. INTAD. 0+(1) AND 2+(2)
	Expt J PL/B 67	399	477	1.4+1 2.4+1	Voit+ CURV. INTAD. SUM OF 6-10 STATES.
9751	YAL Expt C 76ANL-2 2	549	476	1.3+1 1.9+1	Erb+ CURV. A0-A3 GRPS. SUM OF A0-A3.
	Expt J PRL 37	670	76	6.5+0 1.1+1	Erb+ CURV. A0. ANGLE-INTEGRATED.
9752	UEN Expt J PR/C 18	2148	N78	2.2+1 3.1+1	Treu+ CURV. INTAD. 0-5 STATES. SUM(0-5)
	Expt J PR/C 18	2148	N78	2.2+1 3.1+1	Treu+ CURV. INTAD. All,SUMS(6-10,12-22)
9753	MIT Revv J JPRL 37	177	N76	2.4+1 4.4+1	Feshbach. CURV. GROUND STATE.
	Revv J JPRC 37	177	N76	1.2+1 4.4+1	Feshbach. CURV. 3 STATES.
$^{12}\text{C}(^{12}\text{C},\alpha)^{20}\text{Ne}$ $\sigma(E)$					
9754	LUQ Expt A BAP 21	656	76	2.5+0 3.6+0	High+ NDG. MEAS. G'S. FUSION STUDY.
9755	YAL Expt J PRL 37	670	76	6.5+0 1.1+1	Erb+ CURV. EXCIT. ENERGY .LE. 4.97 MEV
9756	TOK Theo C 77TOKYO	637	977	1.0+1 2.4+1	Matsuse+ CURV. 5 CHANNELS.
9757	MIT Revv J JPGL 4	29	278	1.2+1 2.4+1	Branford+ CURV. WEAK EVIDENCE FOR RESON
	Revv J JPRC 37	177	N76	1.2+1 2.2+1	Feshbach. CURV.
9758	TAM Expt J PL/B 67	399	477	1.4+1 2.4+1	Voit+ CURV. INTAD. SUM OF 0-11 STATES.
9759	UEN Expt J PR/C 18	2148	N78	2.2+1 3.1+1	Treu+ CURV. SUM(0-22 STATES).
$^{12}\text{C}(^{12}\text{C},\alpha)^{20}\text{Ne}$ partial product yield					
9760	MIT Expt A BAP 25	48	180	2.0+1 8.0+1	Ledoux+ NDG. VERY STRONG RESONANCES.
$^{12}\text{C}(^{12}\text{C},p)^{23}\text{Na}$ partial $\sigma(E)$ x factor					
9761	BOC Expt J PRL 38	337	277	5.0+0 1.2+1	Kellner+ CURV. S-FACTOR. E(G)=0.440
9762	MST Revv J ARN 28	115	D78	5.0+0 1.2+1	Rolfs+ CURV. S-FACTOR(EG = 0.440 MEV)
9763	LUQ Expt J NP/A 282	181	577	6.5+0 1.2+1	High+ CURV. S-FACTOR.
$^{12}\text{C}(^{12}\text{C},p)^{23}\text{Na}$ $\sigma(E)$					
9764	LUQ Expt A BAP 21	656	76	2.5+0 3.6+0	High+ NDG. MEAS. G'S. FUSION STUDY.
$^{12}\text{C}(^{12}\text{C},\gamma)^{24}\text{Mg}$ partial $\sigma(E)$					
9765	ANL Expt A BAP 24	666	479	1.2+1 1.8+1	Nathan+ NDG. G0-G3. 4 RESONANCES.
	Expt P ANL-79-40	67	79	1.9+1 2.3+1	Bowles+ NDG. 4 RESON. THETA=45 DEG.
$^{12}\text{C}(^{12}\text{C},\gamma)^{24}\text{Mg}$ partial raw $\sigma(E)$					
9766	BNL Expt J PRL 40	1252	578	1.6+1 1.7+1	Sandorfi+ CURV. G0,I. AND 2+3
$^{12}\text{C}(^{12}\text{C},\gamma)^{24}\text{Mg}$ partial $\sigma(E)$ x factor					
9767	BNL Expt J PRL 40	1252	578	1.0+1 2.2+1	Sandorfi+CURV.G0+G1 AT 45DEG. FCT=1/4PI
$^{12}\text{C}(^{12}\text{C},x)$ charge distribution $\sigma(E)$					
9768	ANL Expt J PR/C 20	1305	079	1.5+1 6.2+1	Kovar+ TBL. N,O,F,NE,NA FROM ANG. DIST.
9769	SAC Expt J NP/A 309	515	078	2.8+1 5.4+1	Conjeaud+ CURV. Z=8-13. INTAD. CFD. MOD
	Expt J B15 224	134	777	2.8+1 5.1+1	Harar. CURV. O,F,NE, AND NA
9770	TAM Expt J NP/A 263	491	76	4.5+1 2.0+2	Namoodiri+ CURV. Z=1-12.
9771	GRE Expt P ISN-79-01	38	79	1.0+2 1.2+2	Conjeaud+ CURV. Z=6-11. CFD CASCADE MOD
	Expt P CEA-N-2070	189	978	1.0+2 1.2+2	Conjeaud+ CURV. CFD CASCADE MODEL.
$^{12}\text{C}(^{12}\text{C},x)$ charge distribution partial $\sigma(E)$					
9772	SAC Expt P CEA-N-2026	29	977	5.0+1	Conjeaud+ CURV. Z=7-11 FOR L=12 AND 14.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{12}\text{C}(^{12}\text{C},\text{x})$ charge distribution raw $\sigma(\text{E})$					
9773	MUN Expt P	BLM-JB-77 10 478	4.0+1		Evers+ CURV. Z=6-13.
$^{12}\text{C}(^{12}\text{C},\text{x})$ mass distribution partial $\sigma(\text{E}) \times \text{factor}$					
9774	YAL Expt C	77TOKYO 638 977	1.2+1	1.6+1	Erb+CURV.23NA0.44+23MG0.45MEV G. S-FACT
$^{12}\text{C}(^{12}\text{C},\text{x})$ isotopic distribution $\sigma(\text{E})$					
9775	STR Expt J	PR/C 21 579 280	2.8+1	6.2+1	Kolata+ CURV. G-METHOD. 9 NUCLIDES.
$^{12}\text{C}(^{12}\text{C},\text{x})$ isotopic distribution product yield					
9776	BRC Expt P	NEANDC(IE)-1824 77	NDG		Michaudon. NDG. SEE INDC(FR)-14, 78
$^{12}\text{C}(^{12}\text{C},\text{x})$ isotopic distribution raw $\sigma(\text{E})$					
9777	MUN Expt P	BLM-JB-77 10 478	4.0+1		Evers+ CURV. Z=12. A=20-30.
$^{13}\text{C}(^{12}\text{C},\text{x})$ compound-nucleus $\sigma(\text{E}) \times \text{factor}$					
9778	LYO Theo J	JP/A 285 333 78	4.9+0	1.3+1	Avishai+ CURV. S-FCT. CLOSED FORM. FUS.
9779	MST Revu J	ARN 28 115 078	4.9+0	1.6+1	Rolfs+CURV. FUSION S-FACTOR. PRL 37,888
9780	ORL Revu C	77TENN 22 77	5.9+0	1.7+1	Stokstead.CURV. 1/SIG(OH). NP/A 265,153
9781	CAL Exth J	NP/A 289 236 077	6.0+0	1.2+1	Switkowski+ CURV. NP/A265,153(76) S-FCT
$^{13}\text{C}(^{12}\text{C},\text{x})$ compound-nucleus $\sigma(\text{E})$					
9782	ANL Expt C	77TOKYO 660 977	NDG		Kovar+ CURV. MAX. FUSION SIGMA.
9783	BRK Revu S	BNL-51115 905 779	NDG		Scott. CURV. CONFERENCE SUMMARY.
9784	ROC Revu S	BNL-51115 235 779	NDG		Huizenga+ CURV. MAX. FUSION SIGMA
$^{13}\text{C}(^{12}\text{C},\text{x})\text{n}$ $\sigma(\text{E})$					
9785	ORL Expt P	ORNL-5306 59 677	7.0+0	4.0+1	Bair+ CURV. PAPER IN PREPARATION.
$^{13}\text{C}(^{12}\text{C},\text{inelastic})^{13}\text{C}$ partial $\sigma(\text{E})$					
9786	STR Revu S	LYCEN-7902 379	1.8+1	4.0+1	Heas+ P. S.6.1. CURV. G-METH.5/2+->3/2-
$^{14}\text{C}(^{12}\text{C},\text{x})$ compound-nucleus $\sigma(\text{E})$					
9787	MUN Expt P	BLM-JB-77 12 478	2.8+1	6.5+1	Appel+ NDG. FROM IN-BEAM G MEAS.
$^{14}\text{N}(^{12}\text{C},\text{x})$ compound-nucleus $\sigma(\text{E})$					
9788	ANL Expt P	ANL-79-40 43 79	NDG		Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
9789	GS1 Theo P	GS1-79-11 79 079	NDG		Diebel+ NDG. FUSION.
9790	ROC Revu S	BNL-51115 235 779	NDG		Huizenga+ CURV. MAX. FUSION SIGMA
9791	PAR Revu J	JPRC 37 57	N76 9.8+0	1.8+2	Lefort. CURV.
	Revu J	RPP 39 129	76 4.0+1		Lefort. NDG. L(CRIT). SUM OF EVAP. RES.
9792	SAC Theo J	PR/C 19 747	379 1.0+1	3.0+1	Nagatani+ CURV. ANAL.FUSION. VAR. POTEN
	Expt J	NP/A 309 515	078 2.6+1	6.0+1	Conjeaud+ CURV. TBL. FUS. FRM EVAP. RES
	Expt P	CEA-N-2070 37	978 2.8+1	5.2+1	Conjeaud+ CURV. FUSION.
	Theo C	77TOKYO 659	977 2.1+1	6.5+1	Nagatani+ FUS. SIG. CALC. CFD. TO EXP.
	Expt C	76ANL-2 2 499	476 2.2+1	5.4+1	Conjeaud+ CURV. FUS = SUM OF EVAP. RES.
9793	JLU Revu C	76ANL-2 1 341	476 1.1+1	3.7+2	Mosel. CURV.
9794	CRC Theo J	PRL 41 1529	N78 1.7+1	5.6+1	Horn+ CURV. CN+ENTR. CHAN. PAR. CFD EXP
9795	BRK Revu S	BNL-51115 905 779	2.7+1	1.9+3	Scott. CURV. CONFERENCE SUMMARY.
$^{14}\text{N}(^{12}\text{C},\text{x})$ compound-nucleus $\sigma(\text{E}) \times \text{factor}$					
9796	LYO Theo J	JP/A 285 333 78	6.6+0	1.4+1	Avishai+ CURV. S-FCT. CLOSED FORM. FUS.
9797	MST Revu J	ARN 28 115 078	6.6+0	1.8+1	Rolfs+CURV. FUSION S-FACTOR. PRL 37,888
9798	ORL Revu C	77TENN 22 77	6.6+0	1.7+1	Stokstead.CURV. 1/SIG(OH). NP/A 279,502
9799	SAC Expt P	CEA-N-2026 29 977	3.9+1	4.2+1	Conjeaud+ TBL. FUS RAT. N15/N14.
$^{14}\text{N}(^{12}\text{C},\text{x})$ partial compound-nucleus $\sigma(\text{E}) \times \text{factor}$					
9800	SAC Expt P	CEA-N-2026 29 977	3.9+1	4.2+1	Conjeaud+ TBL. YRAST RAT. N15/N14.
$^{14}\text{N}(^{12}\text{C},\text{x})$ partial $\sigma(\text{E})$					
9801	SAC Expt C	76ANL-2 2 499	476 2.2+1	5.4+1	Conjeaud+ NDG. EVAP. RESIDUES.
$^{14}\text{N}(^{12}\text{C},^{7}\text{Be})^{18}\text{F}$ $\sigma(\text{E}) \times \text{factor}$					
9802	YAL Revu C	74NASH 2 603 674	1.5+1	6.0+1	Bromley. CURV. FCT=THICKNESS.
$^{14}\text{N}(^{12}\text{C},\alpha)^{22}\text{Ne}$ $\sigma(\text{E}) \times \text{factor}$					
9803	YAL Revu C	74NASH 2 603 674	1.2+1	6.0+1	Bromley. CURV. FCT=THICKNESS.
$^{14}\text{N}(^{12}\text{C},2\text{p})^{24}\text{Ne}$ $\sigma(\text{E}) \times \text{factor}$					
9804	YAL Revu C	74NASH 2 603 674	1.5+1	6.0+1	Bromley. CURV. FCT=THICKNESS.

REFERENCES(cont.)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
¹⁴ N(¹² C,x)charge distribution σ(E)×factor					
9805	SAC Expt P	CEA-N-2026 29 977	5.0+		Conjeaud+ CURV. Z=7-12. 1/SIGTOT.
¹⁴ N(¹² C,x)charge distribution σ(E)					
9806	SAC Expt J	NP/A 309 515 078	3.4+	5.0+	Conjeaud+ CURV. Z=8-12. INTAD. CFD. MOD
¹⁵ N(¹² C,x) compound-nucleus σ(E)					
9807	ANL Expt C	77TOKYO 660 977	NDG		Kovar+ CURV. MAX. FUSION SIGMA.
9808	BRK Revv S	BNL-51115 905 779	NDG		Scott. CURV. CONFERENCE SUMMARY.
9809	ROC Revv S	BNL-51115 235 779	NDG		Huizenga+ CURV. MAX. FUSION SIGMA
9810	SAC Expt J	NP/A 309 515 078	2.3+	6.0+	Conjeaud+ CURV. TBL. FUS. FRM EVAP. RES
	Expt P	CEA-N-2070 37 978	2.2+	4.7+	Conjeaud+ CURV. FUSION.
	Expt C	76ANL-2 2 499 476	2.2+	5.2+	Conjeaud+ NDG. FUS = SUM OF EVAP. RES.
¹⁵ N(¹² C,x) σ(E)					
9811	SAC Expt C	76ANL-2 2 499 476	2.2+	5.2+	Conjeaud+ NDG. EVAP. RESIDUES.
¹⁵ N(¹² C,x) compound-nucleus σ(E)×factor					
9812	SAC Expt P	CEA-N-2026 29 977	3.7+	4.1+	Conjeaud+ TBL. FUS RAT. N15/N14.
¹⁵ N(¹² C,x) partial compound-nucleus σ(E)×factor					
9813	SAC Expt P	CEA-N-2026 29 977	3.7+	4.1+	Conjeaud+ TBL. YRAT RAT. N15/N14.
¹⁵ N(¹² C,x)charge distribution σ(E)×factor					
9814	SAC Expt P	CEA-N-2026 29 977	5.2+		Conjeaud+ CURV. Z=7-12. 1/SIGTOT.
¹⁵ N(¹² C,x)charge distribution σ(E)					
9815	SAC Expt J	NP/A 309 515 078	3.0+	5.0+	Conjeaud+ CURV. Z=7-11. INTAD. CFD. MOD
¹⁶ O(¹² C,x) compound-nucleus σ(E)					
9816	ANL Expt P	ANL-79-40 43 79	NDG		Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
9817	SAC Theo J	PR/C 19 747 379	1.0+	3.0+	Nagatani+ CURV. ANAL.FUSION. VAR. POTEN
	Theo C	77TOKYO 659 977	2.3+	7.0+	Nagatani+ FUS. SIG. CALC. CFD. TO EXP.
	Expt J	B15 224 134 777	2.3+	4.2+	Harar. CURV. COMPLETE FUSION
9818	ORL Revv C	77TENN 22 77	1.1+	3.5+	Stokstead. CURV. 5 REFERENCES
9819	JLU Revv C	76ANL-2 1 341 476	1.2+	5.8+	Mosel. CURV.
9820	PAR Revv J	APH 3 5 78	1.2+	4.4+	Lefort+ CURV. FUSION.
	Revv J	JPRC 37 57 176	3.2+	1.5+2	Lefort. CURV.
9821	UI Theo J	PR/C 20 167 779	1.8+	4.4+	Krieger+ CURV. TDHF.
¹⁶ O(¹² C,x) compound-nucleus σ(E)×factor					
9822	MST Revv J	ARN 28 115 078	6.4+0	1.8+1	Reifs+CURV. FUSION S-FACTOR. PRL 37,888
9823	NBI Theo J	NP/A 280 205 477	6.4+0	2.4+1	Christenson+ CURV. S-FCT.
9824	LYO Theo J	JP/A 285 333 78	6.9+0	1.8+1	Avishai+ CURV. S-FCT. CLOSED FORM. FUS.
9825	ORL Revv C	77TENN 22 77	6.9+0	1.8+1	Stokstead.CURV. 1/SIG(OM). NP/A 266,461
¹⁶ O(¹² C,x)γ σ(E)×factor					
9826	NBI Expt J	PR/C 15 449 176	1.9+1	4.8+1	Swilkowski+ CURV. YLD/MICROCURIE.
¹⁶ O(¹² C,x)n partial σ(E)					
9827	GRE Theo P	ISN-79-01 42 79	6.0+		Cole. CURVE. LANCELOT CFD GROG12. VS. 1
¹⁶ O(¹² C,x)n σ(E)					
9828	ORL Expt P	ORNL-5306 59 677	NDG		Bair+ NDG. PAPER IN PREPARATION
¹⁶ O(¹² C,x) ¹ H partial σ(E)					
9829	GRE Theo P	ISN-79-01 42 79	6.0+		Cole. CURVE. LANCELOT CFD GROG12. VS. 1
¹⁶ O(¹² C,x) ⁴ He partial σ(E)					
9830	GRE Theo P	ISN-79-01 42 79	6.0+		Cole. CURVE. LANCELOT CFD GROG12. VS. 1
¹⁶ O(¹² C, ⁹ Be) ¹⁰ Ne product yield					
9831	TAM Expt A	DA/B 37 6204 677	NDG		Hamm.NDG. HIGH-SPIN 3-N CLUSTER-LIKE ST
¹⁶ O(¹² C,2α) ²⁰ Ne partial σ(E)×factor					
9832	NBI Expt J	PR/C 15 449 176	1.9+1	4.8+1	Swilkowski+ CURV. EG = 1.634.
¹⁶ O(¹² C,pα) ²³ Na partial σ(E)×factor					
9833	NBI Expt J	PR/C 15 449 176	1.9+1	4.8+1	Swilkowski+ CURV. EG = 0.440.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{16}\text{O}(^{12}\text{C},n\alpha)^{23}\text{Mg}$ partial $\sigma(E)$ =factor			
9834	NBI Expt J PR/C	15	449 176 1.9+1	4.8+1	Switkowski+ CURV. EG = 0.451
		$^{16}\text{O}(^{12}\text{C},x)^{24}\text{Mg}$ partial $\sigma(E)$			
9835	CBR Expt J JP/G	3	1565 77 3.0+1	4.3+1	Branford+CURV. IN-BM 1.37 G+7.62-MEV LVL
		$^{16}\text{O}(^{12}\text{C},\alpha)^{24}\text{Mg}$ partial $\sigma(E)$ =factor			
9836	GER Expt J PL/B	72	315 178 1.4+1	2.2+1	Treu+CURV. S-FACTOR. SUMS A0-3, -6, -12, -23
9837	NBI Expt J PR/C	15	449 176 1.9+1	4.8+1	Switkowski+ CURV. EG = 1.369.
		$^{16}\text{O}(^{12}\text{C},2p)^{26}\text{Mg}$ partial $\sigma(E)$ =factor			
9838	NBI Expt J PR/C	15	449 176 1.9+1	4.8+1	Switkowski+ CURV. EG = 1.809.
		$^{16}\text{O}(^{12}\text{C},x)^{26}\text{Al}$ partial $\sigma(E)$			
9839	CBR Expt J JP/G	3	1565 77 2.3+1	3.2+1	Branford+ CURV. IN-BEAM 417-KEV G.
		$^{16}\text{O}(^{12}\text{C},n\alpha)^{26}\text{Al}$ partial $\sigma(E)$ =factor			
9840	NBI Expt J PR/C	15	449 176 1.9+1	4.8+1	Switkowski+ CURV. EG = 0.418.
		$^{16}\text{O}(^{12}\text{C},x)$ isotopic distribution $\sigma(E)$			
9841	ANL Expt A BAP	21	656 76 2.3+1	4.9+1	Sperr+ NDG. DETECTED HEAVY PRODUCTS.
9842	GRE Theo P ISN-79-01	42	79 6.0+1		Cole. CURV. LANCELOT CFD GROG12 + EXPT.
		$^{17}\text{O}(^{12}\text{C},x)$ compound-nucleus $\sigma(E)$			
9843	ANL Expt P ANL-79-40	43	79 NDG		Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
9844	SAC Expt P CEA-N-2070	37	978 2.0+1	4.8+1	Conjeaud+CURV. FUS. CFD GLAS-MOSEL. OTHERS
		$^{17}\text{O}(^{12}\text{C},x)$ charge distribution $\sigma(E)$			
9845	SAC Expt P CEA-N-2070	37	978 3.5+1	4.9+1	Conjeaud+ CURV. CFD THEORY.
		$^{18}\text{O}(^{12}\text{C},x)$ compound-nucleus $\sigma(E)$			
9846	ANL Expt P ANL-79-40	43	79 NDG		Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
9847	ROC Revv S BNL-51115	235	779 NDG		Huizenga+ CURV. MAX. FUSION SIGMA
9848	PAR Revv J APH	3	5 78 1.0+1	4.2+1	Lefort+ CURV. FUSION.
	Revv J JPRC	37	57 176 2.8+1	1.4+2	Lefort. CURV.
9849	SAC Theo J PR/C	19	747 379 1.0+1	3.0+1	Nagatani+ CURV. ANAL. FUSION. VAR. POTEN
	Theo C 7710KYO		659 977 2.8+1	7.5+1	Nagatani+ FUS. SIG. CALC. CFD. TO EXP.
9850	JLU Revv C 76ANL-2	1	341 476 1.1+1	5.6+1	Mosel. CURV.
9851	ORL Revv C 771ENN	22	77 1.2+1	4.2+1	Stokstead. CURV. 5 REFERENCES
9852	UI Theo J PR/C	20	167 779 1.7+1	4.2+1	Krieger+ CURV. TDHF.
		$^{18}\text{O}(^{12}\text{C},x)n$ $\sigma(E)$			
9853	ORL Expt P ORNL-5306	59	677 NDG		Bair+ NDG. PAPER IN PREPARATION
		$^{18}\text{O}(^{12}\text{C},\text{inelastic})^{18}\text{O}$ partial $\sigma(E)$			
9854	STR Revv S LYCEN-7902		379 1.7+1	4.0+1	Heas+ P. S.6.1. CURV. G-METH. 2+ TO 0+
		$^{18}\text{O}(^{12}\text{C},x)^{28}\text{Al}$ $\sigma(E)$			
9855	ETH Expt C 71ALBANY	527	71 1.3+1	3.7+1	Eyal+ CURV. ACTIVATION METHOD.
		$^{18}\text{O}(^{12}\text{C},x)^{28}\text{Al}$ $\sigma(E)$ =factor			
9856	ETH Expt C 71ALBANY	527	71 2.8+1	4.0+1	Eyal+ CURV. AL28/AL29.
		$^{18}\text{O}(^{12}\text{C},p)^{28}\text{Al}$ $\sigma(E)$			
9857	ETH Expt C 71ALBANY	527	71 1.3+1	3.7+1	Eyal+ CURV. ACTIVATION METHOD.
		$^{18}\text{O}(^{12}\text{C},p)^{28}\text{Al}$ $\sigma(E)$ =factor			
9858	ETH Expt C 71ALBANY	527	71 2.8+1	4.0+1	Eyal+ CURV. AL28/AL29.
		$^{19}\text{F}(^{12}\text{C},x)$ compound-nucleus $\sigma(E)$			
9859	ANL Expt C 7710KYO	660	977 NDG		Kovar+ CURV. MAX. FUSION SIGMA.
	Expt C 76ANL-2	2	783 476 1.9+1	4.4+1	Sperr+ CURV. FUS = SUM OF EVAP. RES.
	Expt J PRL	37	321 76 1.9+1	4.4+1	Sperr+ CURV. INTEG. ANG. DIST.
9860	BRK Revv S BNL-51115	905	779 NDG		Scott. CURV. CONFERENCE SUMMARY.
9861	ROC Revv S BNL-51115	235	779 NDG		Huizenga+ CURV. MAX. FUSION SIGMA
9862	SAC Theo J PR/C	19	747 379 1.0+1	3.0+1	Nagatani+ CURV. ANAL. FUSION. VAR. POTEN
	Theo C 7710KYO		659 977 2.8+1	7.7+1	Nagatani+ FUS. SIG. CALC. CFD. TO EXP.
9863	JLU Revv C 76ANL-2	1	341 476 1.1+1	5.4+1	Mosel. CURV.
9864	CRC Theo J PRL	41	1529 178 1.5+1	4.9+1	Horn+ CURV. CN+ENTR. CHAN. PAR. CFD EXP
9865	MIT Revv C 771ENN	73	77 1.7+1	5.4+1	Negele. CURV. FRM PRL 37, 321(1976)

REFERENCES (cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{19}\text{F}(^{12}\text{C},\text{x})$ isotopic distribution $\sigma(\text{E})$					
9866	ANL Expt A BAP	21 656 76	2.1+1	4.6+1	Sperr+ NDG. DETECTED HEAVY PRODUCTS.
$^{20}\text{Ne}(^{12}\text{C},\text{x})$ charge distribution $\sigma(\text{E})$					
9867	SAC Exth C 77TOKYO	663 977	4.8+1	9.6+1	Conjeaud+ CURV. Z=5-14. INTAD. CASCADE
9868	GRE Expt P CEA-N-2070	190 978	1.2+2	1.4+2	Conjeaud+ TBL. CURV. CFD THEORY.
$^{20}\text{Ne}(^{12}\text{C},\text{x})$ charge distribution direct-interaction $\sigma(\text{E})$					
9869	GRE Expt P CEA-N-2070	190 978	1.2+2	1.4+2	Conjeaud+ TBL. CURV. CFD THEORY.
$^{20}\text{Ne}(^{12}\text{C},\text{x})$ isotopic distribution $\sigma(\text{E})$					
9870	NOT Expt A BAP	24 851 979	2.0+1	5.4+1	De-Young+ NDG. FROM G-YLD.
9871	GRE Theo P ISN-79-01	42 79 6.7+1			Cole. CURV. LANCELOT CFD EXPT.
$^{20}\text{Ne}(^{12}\text{C},\text{x})$ isotopic distribution product yield					
9872	ORL Expt A BAP	24 824 979	3.2+1	4.8+1	Shapira+ NDG. EVAP. RES.
$^{24}\text{Mg}(^{12}\text{C},\text{x})$ compound-nucleus $\sigma(\text{E})$					
9873	WZl Theo J PR/C	19 2196 679	1.7+1	1.2+2	Pelte+ CURV. COUPLED-CHANNELS.
9874	ANL Expt P ANL-79-40	45 79 2.0+1	6.0+1		Daneshvar+ CURV. FROM EVAPORATION RESID
	Expt P ANL-78-66	41 378 2.0+1	6.0+1		Daneshvar+ CURV. FUSION. CFD BASS MODEL
9875	SAC Expt P CEA-N-2070	41 978 2.5+1	3.4+1		Gary+ CURV. FUSION.
$^{24}\text{Mg}(^{12}\text{C},\text{x})$ partial direct-interaction $\sigma(\text{E})$					
9876	WZl Theo J PR/C	19 2196 679	5.1+1		Pelte+ CURV. AS FUNCTION OF L.
$^{24}\text{Mg}(^{12}\text{C},\text{x})$ partial $\sigma(\text{E})$					
9877	HEI Expt J NP/A	294 255 178 4.2+1	8.4+1		Novotny+ CURV. 2-NUCLEI EXC. REAC. TOT CFD.
	Expt J NP/A	294 255 178 4.2+1	8.4+1		Novotny+ CURV. TOT OF OBS. CFD CALC TOT
$^{24}\text{Mg}(^{12}\text{C},\text{absorption})$ $\sigma(\text{E})$					
9878	ANL Expt P ANL-78-66	41 478 2.0+1	6.0+1		Daneshvar+ CURV. O.M. CALC.
$^{24}\text{Mg}(^{12}\text{C},\text{total})$ $\sigma(\text{E})$					
9879	HEI Expt J NP/A	294 255 178 1.5+1	8.4+1		Novotny+ CURV. CALC. TOT CFD TO EXP.
9880	WZl Theo J PR/C	19 2196 679 1.7+1	1.2+2		Pelte+ CURV. COUPLED-CHANNELS.
$^{24}\text{Mg}(^{12}\text{C},\text{scattering})^{24}\text{Mg}$ $\sigma(\text{E})$					
9881	STR Rev S LYCEN-7902		379 2.2+1	3.5+1	Haas+ P. S.6.1. CURV. G-METH.
$^{24}\text{Mg}(^{12}\text{C},\text{inelastic})^{24}\text{Mg}$ $\sigma(\text{E})$					
9882	HEI Expt J NP/A	294 255 178 4.2+1	8.4+1		Novotny+ CURV. INT. E/A. CFD CALC. TOT.
$^{24}\text{Mg}(^{12}\text{C},\text{x})^{28}\text{Si}$ $\sigma(\text{E})$					
9883	STR Rev S LYCEN-7902		379 2.2+1	3.5+1	Haas+ P. S.6.1. CURV. G-METH.
$^{24}\text{Mg}(^{12}\text{C},\text{x})^{31}\text{P}$ $\sigma(\text{E})$					
9884	STR Rev S LYCEN-7902		379 2.2+1	3.5+1	Haas+ P. S.6.1. CURV. G-METH.
$^{24}\text{Mg}(^{12}\text{C},\text{x})^{34}\text{S}$ $\sigma(\text{E})$					
9885	STR Rev S LYCEN-7902		379 2.2+1	3.5+1	Haas+ P. S.6.1. CURV. G-METH.
$^{24}\text{Mg}(^{12}\text{C},\text{x})^{34}\text{Cl}$ $\sigma(\text{E})$					
9886	STR Rev S LYCEN-7902		379 2.2+1	3.5+1	Haas+ P. S.6.1. CURV. G-METH.
$^{26}\text{Mg}(^{12}\text{C},\text{x})$ compound-nucleus $\sigma(\text{E})$					
9887	ANL Expt A BAP	24 666 479 2.0+1	6.0+1		Daneshvar+ NDG. FROM EVAP. RFS.
	Expt P ANL-79-40	45 79 2.0+1	6.0+1		Daneshvar+ NDG. FROM EVAPORATION RESID.
$^{27}\text{Al}(^{12}\text{C},\text{x})$ compound-nucleus $\sigma(\text{E})$					
9888	ANL Expt C 77TOKYO	660 977	NDG		Kovar+ CURV. MAX. FUSION SIGMA.
9889	DUB Theo J YF	27 1191 578 2.5+1	1.8+2		Toneev+ CURV. NEW MODEL CFD EXPT.
	Theo C 77TOKYO	665 977 1.5+1	1.8+2		Schmidt+ CURV. PHENOM. MODEL CFD TO EXP
	Theo S JINR-P7-10452	77 1.5+1	1.8+2		Toneev+ CURV.
	Theo J SNP	27 631 78 2.5+1	1.8+2		. TRANSLATION OF YF 27,1191
9890	PAR Rev S RPP	39 129 76 3.1+1	1.2+2		Lefort. TBL. SUM OF EVAP. RES.
	Rev C 74NASH	2 81 674 4.4+1			Lefort+ 1040MB PR/C 6,2133/74NASH,1,115
	Rev C 74NASH	2 81 674 1.8+2			Lefort+ 834MB. PR/C 6,2133/74NASH,1,115
9891	IMP Expt J ASI	2 151 378 4.5+1	7.2+1		Chi-Chang+ TBL. CURV. FUS=SUM EVAP RES
9892	YAL Expt C 77TOKYO	664 977 4.5+1	8.0+1		Bellis+ CURV. FUS SIG. CFD. OTHERS+TOT.
	Expt C 76ANL-2	2 443 476 4.5+1	7.0+1		Bellis+ TBL. FUS = SUM OF EVAP RES.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{27}\text{Al}(^{12}\text{C},x)$ direct-interaction $\sigma(E)$			
9893	YAL Expt C	76ANL-2 2 443 476	4.5+1	7.0+1	Bellis+ TBL. TRANSFER. SUM OF Z=3-9.
		$^{27}\text{Al}(^{12}\text{C},x)$ compound-nucleus $\sigma(E)$ x factor			
9894	NBI Revw C	73TRIST 1 295 973	4.4+1	1.8+2	Siemens. TBL. L(CRIT) FRM LEFORT COMPIL
		$^{27}\text{Al}(^{12}\text{C},x)$ partial $\sigma(E)$			
9895	IMP Expt J	ASI 2 151 378	4.5+1	7.2+1	Chi-Chang+ TBL. CURV. SUM OF EVAP. RES.
		$^{27}\text{Al}(^{12}\text{C},\text{absorption})$ $\sigma(E)$			
9896	YAL Expt A	BAP 21 680 76	4.5+1	7.0+1	Bellis+ NDG. SYSTEMATICS ALSO DISCUSSED
		$^{27}\text{Al}(^{12}\text{C},\text{total})$ $\sigma(E)$			
9897	YAL Expt C	76ANL-2 2 443 476	4.5+1	7.0+1	Bellis+ TBL. SUM OF FUS + DI
		$^{27}\text{Al}(^{12}\text{C},\text{total})$ compound-nucleus $\sigma(E)$			
9898	YAL Expt C	77TOKYO 664 977	2.0+1	2.0+2	Bellis+ CURV. EXPECTED TOTAL SIGMA.
		$^{27}\text{Al}(^{12}\text{C},\text{inelastic})^{27}\text{Al}$ partial $\sigma(E)$			
9899	YAL Expt C	77TOKYO 695 977	8.2+1		Bellis+ SUM OF DEEP INELASTIC+QUAD.=50MB
		$^{27}\text{Al}(^{12}\text{C},2p)^{37}\text{Cl}$ relative I_γ			
9900	STR Expt J	PR/C 18 2110 N78	2.7+1	4.5+1	Baumann+ NDG.
		$^{27}\text{Al}(^{12}\text{C},x)$ isotopic distribution compound-nucleus $\sigma(E)$			
9901	YAL Expt A	BAP 21 30 76	+1	7.0+1	Lanford+ NDG. DETECTED EVAPORATION RES.
		$^{28}\text{Si}(^{12}\text{C},x)$ compound-nucleus $\sigma(E)$			
9902	PUP Expt J	PL/B 87 38 079	2.0+1	4.9+1	Jordan+ CURV. FUSION. FROM EVAP. RESIDU
		$^{28}\text{Si}(^{12}\text{C},x)$ compound-nucleus $\sigma(E)$			
9903	PUP Expt J	PL/B 87 38 079	2.0+1	4.9+1	Jordan+ CURV. FUSION. FROM EVAP. RESIDU
		$^{30}\text{Si}(^{12}\text{C},x)$ compound-nucleus $\sigma(E)$			
9904	PUP Expt J	PL/B 87 38 079	2.0+1	4.9+1	Jordan+ CURV. FUSION. FROM EVAP. RESIDU
		$^{40}\text{Ca}(^{12}\text{C},2p+\alpha)^{48}\text{Ti}$ partial $\sigma(E)$			
9905	MUN Expt J	NC 34 321 76	3.4+1	6.2+1	Fortuna+ CURV. 2+ TO 0+.
		$^{40}\text{Ca}(^{12}\text{C},2p+\alpha)^{48}\text{Ti}$ relative $\sigma(E)$			
9906	MUN Expt J	ZP/A 277 117 76	3.3+1	4.8+1	Imazato. TBL. SUM OF SIGMAS = 1
		$^{40}\text{Ca}(^{12}\text{C},4p)^{48}\text{Ti}$ partial $\sigma(E)$			
9907	MUN Expt J	NC 34 321 76	5.5+1	6.2+1	Fortuna+ CURV. 2+ TO 0+.
		$^{40}\text{Ca}(^{12}\text{C},n+p+\alpha)^{46}\text{V}$ partial $\sigma(E)$			
9908	MUN Expt J	NC 34 321 76	4.8+1	6.2+1	Fortuna+ CURV. 2+ TO 0+.
		$^{40}\text{Ca}(^{12}\text{C},p+\alpha)^{47}\text{V}$ partial $\sigma(E)$			
9909	MUN Expt J	NC 34 321 76	2.7+1	6.2+1	Fortuna+ CURV. 11/2- TO 7/2-.
		$^{40}\text{Ca}(^{12}\text{C},p+\alpha)^{47}\text{V}$ relative $\sigma(E)$			
9910	MUN Expt J	ZP/A 277 117 76	3.3+1	4.8+1	Imazato. TBL. SUM OF SIGMAS = 1
		$^{40}\text{Ca}(^{12}\text{C},n+3p)^{48}\text{V}$ partial $\sigma(E)$			
9911	MUN Expt J	NC 34 321 76	4.1+1	6.2+1	Fortuna+ CURV. 6+ TO 5+.
		$^{40}\text{Ca}(^{12}\text{C},3p)^{48}\text{V}$ partial $\sigma(E)$			
9912	PAD Expt J	NP/A 299 479 578	2.7+1	6.2+1	Fortuna+ CURV. 6 GS. MUNICH VOGT.
9913	MUN Expt J	NC 34 321 76	3.4+1	6.2+1	Fortuna+ CURV. 11/2- TO 7/2-.
		$^{40}\text{Ca}(^{12}\text{C},3p)^{48}\text{V}$ relative $\sigma(E)$			
9914	MUN Expt J	ZP/A 277 117 76	3.3+1	4.8+1	Imazato. TBL. SUM OF SIGMAS = 1
		$^{40}\text{Ca}(^{12}\text{C},\alpha)^{48}\text{Cr}$ relative $\sigma(E)$			
9915	MUN Expt J	ZP/A 277 117 76	3.3+1	4.8+1	Imazato. TBL. SUM OF SIGMAS = 1
		$^{40}\text{Ca}(^{12}\text{C},n+2p)^{48}\text{Cr}$ partial $\sigma(E)$			
9916	MUN Expt J	NC 34 321 76	3.4+1	6.2+1	Fortuna+ CURV. 9/2- TO 7/2-.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		⁴⁰ Ca(¹² C,n+2p) ⁴⁸ Cr relative σ(E)			
9917	MUN Expt J ZP/A	277 117 76 3.3+1 4.8+1			Imazato. TBL. SUM OF SIGMAS = 1
		⁴⁰ Ca(¹² C,2p) ⁵⁰ Cr partial σ(E)			
9918	MUN Expt J NC	34 321 76 3.4+1 6.2+1			Fortuna+ CURV. 2+ TO 0+.
		⁴⁰ Ca(¹² C,2p) ⁵⁰ Cr relative σ(E)			
9919	MUN Expt J ZP/A	277 117 76 3.3+1 4.8+1			Imazato. TBL. SUM OF SIGMAS = 1
		⁴⁰ Ca(¹² C,n+p) ⁵⁰ Mn σ(E)			
9920	MUN Expt J ZP/A	277 117 76 3.3+1 4.8+1			Imazato. TBL. SUM OF SIGMAS = 1
		⁴⁰ Ca(¹² C,p) ⁵¹ Mn relative σ(E)			
9921	MUN Expt J ZP/A	277 117 76 3.3+1 4.8+1			Imazato. TBL. SUM OF SIGMAS = 1
		⁴⁰ Ca(¹² C,3n) ⁴⁸ Fe σ(E)			
9922	BRK Revu J ARN	27 333 77 NDG			Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
	Revu S CERN-76-13	225 676 NDG			Cerny. APP. 800 NANOB.
		⁴⁰ Ca(¹² C,2n) ⁵⁰ Fe relative σ(E)			
9923	MUN Expt J ZP/A	277 117 76 3.3+1 4.8+1			Imazato. TBL. SUM OF SIGMAS = 1
		⁴⁰ Ca(¹² C,γ) ⁵² Fe partial relative σ(E)			
9924	MUJ Expt P BLM-JB-74	71 74 3.3+1 4.8+1			Imazato+ CURV. GO REL TO TOTAL G-PROD.
	Expt P BLM-JB-74	71 74 3.3+1 4.8+1			Imazato+CURV.6.83 LEV.REL TO TOT G-PROD
		⁴⁰ Ca(¹² C,γ) ⁵² Fe relative σ(E)			
9925	MUN Expt J ZP/A	277 117 76 3.3+1 4.8+1			Imazato. TBL. SUM OF SIGMAS = 1
		⁴⁸ Ti(¹² C,x) compound-nucleus σ(E)			
9926	PAR Revu J RPP	39 129 76 6.5+1 1.4+2			Lefort. TBL. SUM OF EVAP. RES.
	Revu C 74NASH	2 81 674 8.1+1 1.8+2			Lefort+ TBL. FUSION. 74NASH 1,115(74).
9927	CCP Theo J IZV	40 2200 76 8.1+1 1.8+2			Vershinin+ TBL. ALSO CRITICAL L.
	Theo J BAS	40 150 76 8.1+1 1.8+2			. TRANSLATION OF IZV 40,2200(1976)
		⁴⁸ Ti(¹² C,x) compound-nucleus σ(E)×factor			
9928	PAR Revu J APH	3 5 78 2.5+1 1.9+2			Lefort+ CURV. FUSION. FCT=1/(P1*LAMBDA2
	Revu J JPRC	37 57 N76 1.6+1 2.4+2			Lefort. CURV.
	Revu J RPP	39 129 76 1.0+1 1.1+2			Lefort. CURV. FCT=1/(P1*LAMBDA**2)
		⁵⁰ Cr(¹² C,2p+α) ⁵⁸ Fe relative I _γ			
9929	SAC Expt J NP/A	284 513 777 2.6+1 5.8+1			Bendjaballah+ NDG.
	Expt J NP/A	284 513 777 4.8+1			Bendjaballah+ TBL. 10 GAMMAS.
		⁵⁰ Cr(¹² C,2p) ⁶⁰ Ni relative σ(E)			
9930	SAC Expt P CEA-N-1791	32 974 2.8+1 5.8+1			Ballini+ CURV
		⁵² Cr(¹² C,x) partial compound-nucleus σ(E)			
9931	SAC Expt J NP/A	305 262 778 5.6+1			Nomura+ CURV. FUNC. OF ANGULAR MOMENTA
		⁵² Cr(¹² C,x) compound-nucleus σ(E)			
9932	SAC Expt J NP/A	305 262 778 5.6+1			Nomura+ TBL. SUM OF 6 CALC. SIG.
	Expt J NP/A	305 262 778 5.6+1			Nomura+ TBL. CALC. FUS AS FUNC OF JCRIT
		⁵² Cr(¹² C,x) ⁶⁰ Ni partial σ(E)×factor			
9933	SAC Expt J NP/A	305 262 778 5.6+1			Nomura+ TBL. T148+016/CR52+C12. 4GS.
		⁵² Cr(¹² C,x) isotopic distribution σ(E)×factor			
9934	SAC Expt J NP/A	305 262 778 5.6+1			Nomura+ TBL. T148+016/CR52+C12. 6 PROD
	Ext C 77TOKYO	666 977 5.6+1			Nomura+ TBL. CR52+C12/22T148+016 RATIO
		⁵² Cr(¹² C,x) isotopic distribution relative σ(E)			
9935	SAC Expt J NP/A	305 262 778 5.6+1			Nomura+ TBL.REL TO N160.6 PROD
		⁵² Cr(¹² C,x) isotopic distribution σ(E)			
9936	SAC Expt J NP/A	305 262 778 5.6+1			Nomura+ TBL. CALC. AS FUNC OF JCRIT
		⁵³ Cr(¹² C,n) ⁶⁴ Zn partial σ(E)			
9937	CCP Expt J IZV	43 2192 79 5.4+1			Bochkarev+ TBL. EN .GE. 1.5 MEV.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min}	E _{max}	Author.	Comments
Type				(MeV)	(MeV)		
$^{53}\text{Cr}(^{12}\text{C},n)^{64}\text{Zn}$ $\sigma(E)$							
9938	CCP	Expt J IZV	43 2192	79	4.1+1	Bochkarev+	TBL.
$^{55}\text{Mn}(^{12}\text{C},x)$ direct-interaction $\sigma(E)$							
9939	GRE	Expt J NP/A	274 223	076	7.7+1	Chevarier+	FRM ANG. DIST. (.49+- .08)B
$^{55}\text{Mn}(^{12}\text{C},x)$ compound-nucleus $\sigma(E)$							
9940	GRE	Expt J NP/A	274 223	076	7.7+1	Chevarier+	FRM TOT AND DI. (.87+- .08)B
$^{55}\text{Mn}(^{12}\text{C},\text{total})$ $\sigma(E)$							
9941	GRE	Expt J NP/A	274 223	076	7.7+1	Chevarier+	CALC. FRM ELAS. 1.360B. O-M.
$^{55}\text{Mn}(^{12}\text{C},x)^4\text{He}$ direct-interaction $\sigma(E)$							
9942	GRE	Expt J NP/A	274 223	076	7.7+1	Chevarier+	(0.240+-0.036)B
$^{55}\text{Mn}(^{12}\text{C},2n+p)^{64}\text{Zn}$ partial $\sigma(E)$							
9943	GRE	Expt P ISN-77-01	73 76	3.5+1	5.5+1	Chevallier+	NDG.
$^{55}\text{Mn}(^{12}\text{C},x)$ charge distribution $\sigma(E)$							
9944	GRE	Expt J NP/A	274 223	076	7.7+1	Chevarier+	CURV. Z = 3 TO 9.
$\text{Fe}(^{12}\text{C},x)$ isotopic distribution $\sigma(E)$							
9945	HAR	Expt P AERE-PR/NP-26	379	NDG		Conion+	NDG. P. 62.
$^{54}\text{Fe}(^{12}\text{C},x)$ isotopic distribution partial product yield							
9946	NOT	Expt P A-IPS-75	67 76	NDG		Chagnon+	NDG. OPT. PROD. OF HIGH-SPIN
$^{56}\text{Fe}(^{12}\text{C},x)$ isotopic distribution partial product yield							
9947	NOT	Expt P A-IPS-75	67 76	NDG		Chagnon+	NDG. OPT. PROD. OF HIGH-SPIN
$^{57}\text{Fe}(^{12}\text{C},n+p)^{67}\text{Ga}$ relative $\sigma(E)$							
9948	KLN	Expt J NP/A	316 165	379	3.2+1 4.4+1	Zobel+	CURV. 12 GAMMAS. ALSO A2,A4.
		Expt J NP/A	316 165	379	3.2+1 4.4+1	Zobel+	CURV. SIDE FEEDING. 10 LEVELS.
$^{58}\text{Ni}(^{12}\text{C},x)$ compound-nucleus $\sigma(E)$							
9949	PAR	Rev J RPP	39 129	76	3.0+1 1.5+2	Lefort+	CURV. CALC. EXP. (PRL 31, 643)
		Rev J RPP	39 129	76	5.3+1 1.5+2	Lefort.	TBL. SUM OF EVAP. RES.
		Rev C 74NASH	2 81	674	7.3+1 1.9+2	Lefort+	TBL. FUSION. 74NASH 1,115(74).
9950	DUB	Theo J YF	27 1191	578	6.2+1 3.2+2	Toneev+	CURV. NEW MODEL CFD EXPT.
		Theo C 77TOKYO	665	977	2.5+1 3.4+2	Schmidt+	CURV. PHENOM. MODEL CFD TO EXP
		Theo S JINR-P7-10452	77	2.5+1	3.4+2	Toneev+	CURV.
		Theo J SNP	27 631	78	6.2+1 3.2+2		TRANSLATION OF YF 27,1191
9951	CCP	Theo J IZV	40 2200	76	6.4+1 1.8+2	Vershinin+	TBL. ALSO CRITICAL L.
		Theo J BAS	40 150	76	6.4+1 1.8+2		TRANSLATION OF IZV 40,2200(1976)
$^{58}\text{Ni}(^{12}\text{C},x)$ compound-nucleus $\sigma(E)$ * factor							
9952	PAR	Rev J APH	3 5	78	1.8+1 1.8+2	Lefort+	CURV. FUSION. FCT=1/(PI*LAMBDA2
		Rev J JPRC	37 57	N76	1.4+1 2.2+2	Lefort.	CURV.
		Rev J RPP	39 129	76	2.0+1 1.5+2	Lefort.	CURV. FCT=1/(PI*LAMBDA**2)
$^{58}\text{Ni}(^{12}\text{C},\text{total})$ $\sigma(E)$							
9953	PAR	Rev J RPP	39 129	76	3.0+1 1.5+2	Lefort+	CURV. CALC.
$^{58}\text{Ni}(^{12}\text{C},n+p)^{68}\text{As}$ $\sigma(E)$							
9954	ANL	Expt J PR/C	15 1811	577	3.0+1 3.5+1	Pardo+	NDG. BEST PRODUCTION.
$^{60}\text{Ni}(^{12}\text{C},x)$ direct-interaction $\sigma(E)$							
9955	GRE	Expt J NP/A	274 223	076	7.7+1	Chevarier+	FRM ANG. DIST. (.47+- .07)B
$^{60}\text{Ni}(^{12}\text{C},x)$ compound-nucleus $\sigma(E)$							
9956	GRE	Expt J NP/A	274 223	076	7.7+1	Chevarier+	FRM TOT AND DI. (.96+- .07)B
$^{60}\text{Ni}(^{12}\text{C},\text{total})$ $\sigma(E)$							
9957	GRE	Expt J NP/A	274 223	076	7.7+1	Chevarier+	CALC. FRM ELAS. 1.430B. O-M.
$^{60}\text{Ni}(^{12}\text{C},x)^4\text{He}$ direct-interaction $\sigma(E)$							
9958	GRE	Expt J NP/A	274 223	076	7.7+1	Chevarier+	(0.0240+-0.036)B
$^{60}\text{Ni}(^{12}\text{C},n+p)^{70}\text{As}$ relative I_γ							
9959	BNL	Expt J NP/A	309 285	078	5.0+1	Filevich+	TBL. 19 GS. IN-BEAM STUDY.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{60}\text{Ni}(^{12}\text{C},x)$ charge distribution $\sigma(E)$					
9960	LYO Theo J ZP/A 285	389	78	NDG	Billerey+ CURV. Z=2-12. CLASS.-STAT.
	Theo R LYCEN-7780	N77	NDG		Billerey+ CURV. Z=2-12. CFD EXP.
9961	GRE Expl J NP/A 274	223	D76	7.7+1	Chevarier+ CURV. Z = 3 TO 9.
$^{63}\text{Cu}(^{12}\text{C},x)$ compound-nucleus $\sigma(E)$					
9962	PAR Revv C 74NASH	2	81	674 6.4+1	9.6+1 Lefort+ TBL. FUSION. 74NASH 1.115(74).
	Revv C 74NASH	2	81	674 9.6+1	Lefort+ 1070MB. 74NASH 1.115(74).
$^{63}\text{Cu}(^{12}\text{C},x)$ compound-nucleus $\sigma(E)$ x factor					
9963	PAR Revv J JPRC 37	57	N76	3.0+1	3.6+2 Lefort. CURV.
9964	NBI Revv C 73TRIEST 1	295	973	1.3+2	Siemens. TBL. L(CRIT) FRM LEFORT COMPI
$^{64}\text{Zn}(^{12}\text{C},x)^{68}\text{As}$ relative $\sigma(E)$					
9965	ORL Expl P ORNL-5137	22	576	8.0+1	9.4+1 Rester+ CURV. HE-GAS JET.
$^{64}\text{Zn}(^{12}\text{C},x)^{69}\text{As}$ relative $\sigma(E)$					
9966	ORL Expl P ORNL-5137	22	576	7.2+1	9.4+1 Rester+ CURV. HE-GAS JET.
$^{64}\text{Zn}(^{12}\text{C},x)^{70}\text{As}$ relative $\sigma(E)$					
9967	ORL Expl P ORNL-5137	22	576	6.3+1	9.4+1 Rester+ CURV. HE-GAS JET.
$^{64}\text{Zn}(^{12}\text{C},x)^{70}\text{Se}$ relative $\sigma(E)$					
9968	ORL Expl P ORNL-5137	22	576	6.3+1	9.4+1 Rester+ CURV. HE-GAS JET.
$^{64}\text{Zn}(^{12}\text{C},x)^{71}\text{Se}$ relative $\sigma(E)$					
9969	ORL Expl P ORNL-5137	22	576	6.3+1	9.4+1 Rester+ CURV. HE-GAS JET.
$^{64}\text{Zn}(^{12}\text{C},x)^{73}\text{Se}$ relative $\sigma(E)$					
9970	ORL Expl P ORNL-5137	22	576	6.3+1	9.4+1 Rester+ CURV. HE-GAS JET.
$^{64}\text{Zn}(^{12}\text{C},x)^{73}\text{Se}$ relative $\sigma(E)$					
9971	ORL Expl P ORNL-5137	22	576	6.3+1	9.4+1 Rester+ CURV. HE-GAS JET.
$^{64}\text{Zn}(^{12}\text{C},x)^{72}\text{Br}$ relative $\sigma(E)$					
9972	ORL Expl P ORNL-5137	22	576	7.2+1	9.4+1 Rester+ CURV. HE-GAS JET.
$^{64}\text{Zn}(^{12}\text{C},x)^{74}\text{Br}$ relative $\sigma(E)$					
9973	ORL Expl P ORNL-5137	22	576	6.3+1	9.4+1 Rester+ CURV. HE-GAS JET.
$^{68}\text{Zn}(^{12}\text{C},2n)^{70}\text{Kr}$ partial relative $\sigma(E)$					
9974	ORL Expl J PR/C 21	603	280	3.3+1	3.8+1 Robinson+ NDG. DOMINATED G-SPECTRA.
$^{70}\text{Ge}(^{12}\text{C},x)$ isotopic distribution product yield					
9975	FSU Expl J PR/C 20	164	779	4.7+1	Clementis+
$^{76}\text{Ge}(^{12}\text{C},2n+\alpha)^{82}\text{Kr}$ relative I_γ					
9976	BUC Expl J RRP 23	163	78	3.5+1	4.5+1 Ivascu+CURV. 11GS. NORM55/90DEG RAT(40MEV)
$^{76}\text{Ge}(^{12}\text{C},5n)^{83}\text{Sr}$ relative I_γ					
9977	BUC Expl J RRP 23	163	78	3.5+1	4.5+1 Ivascu+ CURV. 9 GS. NORM. TO 876KEV G
$^{76}\text{Ge}(^{12}\text{C},4n)^{84}\text{Sr}$ relative I_γ					
9978	BUC Expl J RRP 23	163	78	3.5+1	4.5+1 Ivascu+CURV. 26GS. NORM55/90DEG RAT(40MEV)
$^{76}\text{Ge}(^{12}\text{C},3n)^{85}\text{Sr}$ relative I_γ					
9979	BUC Expl J RRP 23	163	78	3.5+1	4.4+1 Ivascu+ CURV. 8 GS. NORM. TO 1112KEV G
$^{76}\text{Ge}(^{12}\text{C},2n)^{86}\text{Sr}$ relative I_γ					
9980	BUC Expl J RRP 23	163	78	3.5+1	4.5+1 Ivascu+CURV. 1076KEVG. NORM55/90DEG(40MEV)
$^{76}\text{Se}(^{12}\text{C},2n+\alpha)^{82}\text{Sr}$ relative I_γ					
9981	MUJ Expl J ZP/A 281	409	77	3.6+1	5.2+1 Korschchnik+ CURV. 573-KEV GAMMA.
$^{76}\text{Se}(^{12}\text{C},2n)^{86}\text{Zr}$ relative $\sigma(E)$					
9982	MUJ Expl J ZP/A 281	409	77	3.6+1	5.2+1 Korschchnik+ CURV. 3 IN-BEAM G'S.
$^{91}\text{Zr}(^{12}\text{C},x)^{99}\text{Pd}$ relative $\sigma(E)$					
9983	BNL Expl J PR/C 15	287	176	5.6+1	6.6+1 Piel+ TBL. AT 63. COMP TO 532+GE70.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
96	Zr(¹² C,3n) ¹⁰⁵ Pd	partial product yield			
9984	PUR Expt A DA/B	37 5173 477 4.5+1			Grau., NDG.
97	Mo(¹² C,3n) ¹⁰⁶ Cd	I _γ			
9985	PUR Expt J PR/C	19 73 179 3.7+1 4.7+1			Samuelson+ NDG. TO FIND OPTIMUM ENERGY.
	Expt J PR/C	19 73 179 4.2+1			Samuelson+ TBL. 68 GS. ALSO A2, A4.
110	Pd(¹² C,0n) ¹¹⁸ Te	average ν _γ			
9986	BRK Expt J NP/A	313 209 179 7.5+1			Simon+ TBL. INTEGRATION OF TOTAL SPECT.
110	Pd(¹² C,5n) ¹¹⁷ Te	average ν _γ			
9987	BRK Expt J NP/A	313 209 179 7.5+1			Simon+ TBL. INTEGRATION OF TOTAL SPECT.
110	Pd(¹² C,4n) ¹¹⁸ Te	average ν _γ			
9988	BRK Expt J NP/A	313 209 179 5.0+1 7.5+1			Simon+ TBL. INTEGRATION OF TOTAL SPECT.
110	Pd(¹² C,3n) ¹¹⁹ Te	average ν _γ			
9989	BRK Expt J NP/A	313 209 179 5.0+1			Simon+ TBL. INTEGRATION OF TOTAL SPECT.
107	Ag(¹² C,x)	compound-nucleus σ(E)			
9990	PAR Revv J RPP	39 129 76 7.7+1			Lefort. TBL. SUM OF EVAP. RES.
	Revv C 74NASH	2 81 674 8.6+1			Lefort+ 1156MB. FUSION. JPR 32,7(71).
106	Cd(¹² C,4n) ¹¹⁴ Xe	product yield			
9991	ANL Expt P ANL-79-40	65 79 NDG			Smither+ NDG. PLANNED. HIGH YIELD EXPEC
116	Cd(¹² C,x)n	ν			
9992	LND Expt P LU-NP-1976	321 177 NDG			Carlen+ NDG. N MULTIPLICITIES.
116	Cd(¹² C,x)n	ν _γ			
9993	LND Expt P LU-NP-1976	321 177 NDG			Carlen+ NDG. G MULTIPLICITIES.
115	In(¹² C,4n) ¹²³ Cs	product yield			
9994	IPS Expt P A-IPS-75	90 76 NDG			Atterling+ NDG. UNDER STUDY.
	Sn(¹² C,x)Isotopic distribution	partial product yield			
9995	GRE Expt S CERN-76-13	401 677 4.3+1 5.7+1			Gizon+ NDG. HIGH-SPIN BA STATES.
114	Sn(¹² C,3n) ¹²³ Ba	relative I _γ			
9996	GRE Expt J JPR	40 209 379 5.2+1 6.3+1			Yoshikawa+ NDG.G EXC. FUNC.MAX AT 57MEV
	Expt J JPR	40 209 379 5.7+1			Yoshikawa+ TBL. 15 GS. ALSO A2.
116	Sn(¹² C,3n) ¹²⁹ Ba	partial relative σ(E)			
9997	GRE Expt J ZP/A	285 259 78 4.5+1 5.5+1			Gizon+ NDG. HIGH SPIN STATES.
	Expt J ZP/A	285 259 78 5.4+1			Gizon+ TBL. 33 GS. ALSO LEG. COEF.
118	Sn(¹² C,x)n	ν			
9998	LND Expt P LU-NP-1976	321 177 NDG			Carlen+ NDG. N MULTIPLICITIES.
118	Sn(¹² C,x)n	ν _γ			
9999	LND Expt P LU-NP-1976	321 177 NDG			Carlen+ NDG. G MULTIPLICITIES.
118	Sn(¹² C,3n) ¹²⁷ Ba	σ(E)			
10000	GRE Expt J ZP/A	281 99 77 4.7+1 5.4+1			Gizon+ NDG. MAX SIGMA AT 52 MEV.
118	Sn(¹² C,3n) ¹²⁷ Ba	relative I _γ			
10001	GRE Expt J ZP/A	281 99 77 5.2+1			Gizon+ TBL. 45 GAMMAS.
120	Sn(¹² C,3n) ¹²⁹ Ba	partial product yield			
10002	GRE Expt J IZV	40 2099 76 4.5+1 5.4+1			Gizon+ NDG. MAX. YLD. AT 51 MEV.
	Expt J BAS	40 63 76 4.5+1 5.4+1			.TRANS. OF IZV 40(10),2099(1976)
141	Pr(¹² C,x)	partial compound-nucleus σ(E)			
10003	PAR Revv J RPP	39 129 76 NDG			Lefort. CURV. FUNCT. OF L TRANSFER.
141	Pr(¹² C,fission)	σ(E)			
10004	ORL Revv C 74NASH	2 107 674 6.9+1 9.5+1			Plasit. CURV.
10005	ORL Revv R IAEA-241/SM	79 1.6+2 2.1+2			Plasit+ CURV. FUNCT. OF TB-153 EXCIT. E
	Revv R IAEA-241/SM	79 1.6+2 2.1+2			Plasit+ CURV. EFF. OF LIQUID-DROP FRACT
	Revv R CONF-790507	3 79 1.6+2 2.1+2			Plasit+ SAME AS IAEA-SM/241-D1

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		¹⁴¹ Pr(¹² C,fission) partial σ(E)			
10006	ORL Revv C 74NASH	2 107 674	8.6+1		Plas11. CURV. FUNCTION OF L-TRANSFER.
		¹⁴¹ Pr(¹² C,absorption) partial σ(E)			
10007	ORL Revv C 74NASH	2 107 674	8.6+1		Plas11. CURV. FUNCTION OF L-TRANSFER.
		¹⁴¹ Pr(¹² C,total) partial σ(E)			
10008	PAR Revv J RPP	39 129 76	NDG		Lefort. CURV. FUNCT. OF L TRANSFER.
		¹⁴¹ Pr(¹² C,x)isotopic distribution σ(E)			
10009	GRE Expt P ISN-79-01	86 79 7.5+1	1.0+2		Jastrzebski+ CURV. 7 EVAP. RES.+ COUL E
		¹⁴¹ Pr(¹² C,x)isotopic distribution compound-nucleus σ(E)			
10010	ORL Expt A BAP	24 825 979	NDG		Ferguson+ NDG. DEDUCED FISS. BARRIER.
		¹⁴² Nd(¹² C,5n+p) ¹⁴⁸ Tb relative σ(E)			
10011	ORL Exth P ORNL-5025	54 75 8.7+1	1.1+2		Toth+ CURV.E(G)= 394.6 AND 882.4.
		¹⁴² Nd(¹² C,4n+p) ¹⁴⁸ Tb relative σ(E)			
10012	ORL Exth P ORNL-5025	54 75 8.7+1	1.1+2		Toth+ CURV.E(G)=795.0. T1/2=4.17H
		¹⁴² Nd(¹² C,6n) ¹⁴⁸ Dy relative σ(E)			
10013	ORL Exth P ORNL-5025	54 75 8.7+1	1.1+2		Toth+ CURV.E(G)=620.2.
		¹⁴⁴ Nd(¹² C,6n) ¹⁵⁰ Dy ν _n			
10014	LND Expt P LU-NP-1976	321 177	NDG		Carlen+ NDG. N MULTIPLICITIES.
		¹⁴⁴ Nd(¹² C,6n) ¹⁵⁰ Dy ν _y			
10015	LND Expt P LU-NP-1976	321 177	NDG		Carlen+ NDG. G MULTIPLICITIES.
		¹⁴⁸ Nd(¹² C,6n) ¹⁵² Dy partial relative σ(E)			
10016	GRN Expt J NP/A	321 365 679	1.0+2		Jansen+ CURV. 32 GAMMAS. ALSO A2,A4,CE.
		¹⁴⁸ Nd(¹² C,6n) ¹⁵² Dy ν _n			
10017	LND Expt P LU-NP-1976	321 177	NDG		Carlen+ NDG. N MULTIPLICITIES.
		¹⁴⁸ Nd(¹² C,6n) ¹⁵² Dy ν _y			
10018	LND Expt P LU-NP-1976	321 177	NDG		Carlen+ NDG. G MULTIPLICITIES.
		¹⁵⁰ Nd(¹² C,4n) ¹⁵⁸ Dy average ν _y			
10019	JUL Revv J NIM	146 161 077	NDG		Schult+ NDG. PRL 33, 596(1974)
		¹⁵⁰ Nd(¹² C,xn)isotopic distribution average ν _y			
10020	GRN Expt C 77TOKYO	733 977	1.0+2 1.2+2		Ockels+ NDG. SYS. STUDY AVE. G-MULT.
		¹⁴⁴ Sm(¹² C,x)isotopic distribution σ(E)			
10021	GRE Expt P ISN-79-01	86 79 7.5+1	1.0+2		Jastrzebski+ NDG. IN-BEAM+SHORT-LIVED.
		¹⁴⁷ Sm(¹² C,5n) ¹⁵⁴ Er partial product yield			
10022	PAR Expt P A-PAR-77	5 77 9.4+1	1.1+2		Aguer+ NDG. HIGH SPIN STATES.
		¹⁴⁷ Sm(¹² C,4n) ¹⁵⁵ Er partial product yield			
10023	GRE Expt J JPGL	3 158 877	6.5+1 1.1+2		Aguer+ NDG.
10024	PAR Expt P A-PAR-77	5 77 9.4+1	1.1+2		Aguer+ NDG. HIGH SPIN STATES.
		¹⁴⁷ Sm(¹² C,x)isotopic distribution σ(E)			
10025	GRE Expt P ISN-79-01	86 79 7.5+1	1.0+2		Jastrzebski+ NDG. IN-BEAM+SHORT-LIVED.
		¹⁴⁸ Sm(¹² C,5n) ¹⁵⁵ Er partial product yield			
10026	GRE Expt J JPGL	3 158 877	6.5+1 1.1+2		Aguer+ NDG.
10027	PAK Expt P A-PAR-77	5 77 9.4+1	1.1+2		Aguer+ NDG. HIGH SPIN STATES.
		¹⁵² Sm(¹² C,x) compound-nucleus σ(E)			
10028	NBI Exth A 74NASH	1 111 674	4.7+1 5.4+1		Ishihara+ CURV. SUM OF XN AND XN+A
		¹⁵² Sm(¹² C,3n+α) ¹⁵⁷ Dy σ(E)			
10029	NBI Exth A 74NASH	1 111 674	5.7+1 6.3+1		Ishihara+ CURV.
		¹⁵² Sm(¹² C,2n+α) ¹⁵⁸ Dy σ(E)			
10030	NBI Exth A 74NASH	1 111 674	4.7+1 6.3+1		Ishihara+ CURV.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{152}\text{Sm}(^{12}\text{C},4n)^{160}\text{Er}$	$\sigma(E)$		
10031	NBI Exth A 74NASH	1 111 674 4.7+1	6.3+1	Ishihara+ CURV.	
		$^{152}\text{Sm}(^{12}\text{C},3n)^{161}\text{Er}$	$\sigma(E)$		
10032	NBI Exth A 74NASH	1 111 674 4.7+1	6.3+1	Ishihara+ CURV.	
		$^{152}\text{Sm}(^{12}\text{C},2n)^{162}\text{Er}$	$\sigma(E)$		
10033	NBI Exth A 74NASH	1 111 674 4.7+1	5.4+1	Ishihara+ CURV.	
		$^{153}\text{Sm}(^{12}\text{C},5n)^{160}\text{Er}$	average ν_y		
10034	JUL Revv J NIM	146 161 077 NDG		Schult+ NDG. PRL 33, 596(1974)	
		$^{154}\text{Sm}(^{12}\text{C},\alpha+x)^{158}\text{Dy}$	partial relative $\sigma(E)$		
10035	TAM Expt J PRL	41 92 778 8.5+1		Zolnowski+ TBL. EA=28-33MEV.9 TRANS.	
	Expt J PRL	41 92 778 1.1+2		Zolnowski+ TBL. EA=42-56MEV.8 TRANS.	
	Expt J PRL	41 92 778 8.5+1	1.1+2	Zolnowski+ CURV. SIDE-FEEDING IN YRAST	
		$^{154}\text{Sm}(^{12}\text{C},4n)^{162}\text{Er}$	average ν_y		
10036	JUL Revv J NIM	146 161 077 6.4+1.		Schult.CURV.G MULT(J). ZP/A 272, 207	
	Revv J NIM	146 161 077 NDG		Schult+ NDG. PRL 33, 596(1974)	
		$^{154}\text{Sm}(^{12}\text{C},4n)^{162}\text{Er}$	partial ν_y		
10037	MUN Expt P JUEL-1974	61 74 6.4+1		Fenzi+ CURV. AS FUNCTION OF J.	
		$^{156}\text{Sm}(^{12}\text{C},4n)^{164}\text{Er}$	average ν_y		
10038	JUL Revv J NIM	146 161 077 NDG		Schult+ NDG. PRL 33, 596(1974)	
		$^{158}\text{Gd}(^{12}\text{C},x)$	compound-nucleus $\sigma(E)$		
10039	PAR Revv J RPP	39 129 76 1.2+2		Lefort. TBL. SUM OF EVAP. RES.	
	Revv C 74NASH	2 81 674 1.3+2		Lefort+ 1095MB. PRL 30,27(1973).	
		$^{158}\text{Gd}(^{12}\text{C},x)$	compound-nucleus $\sigma(E)$ x factor		
10040	NBI Revv C 73TRIEST	1 295 973 1.3+2		Siemens. TBL. L(CRIT) FRM LEFORT COMPIL	
		$^{158}\text{Gd}(^{12}\text{C},xn)$	isotopic distribution $\sigma(E)$		
10041	ORL Expt P ORNL-5306	46 677 9.4+1	1.7+2	Sarantites+ CURV. X=2-9.	
	Revv C 77TENN	22 77 1.1+2	1.6+2	Stokstead. CURV. X=5-11. SARANTIES+	
10042	PAR Revv J APH	3 5 78 1.5+2	2.3+2	Lefort+ CURV. X=5-11.	
		$^{158}\text{Gd}(^{12}\text{C},xn)$	isotopic distribution ν_y		
10043	ORL Expt P ORNL-5306	46 677 9.4+1	1.7+2	Sarantites+ CURV. X=2-9. MULTIPLECITIES.	
	Revv C 77TENN	22 77 1.1+2	1.6+2	Stokstead.CURV.X=5-11.G-MULT.SARANTIES+	
10044	PAR Revv J APH	3 5 78 1.5+2	2.3+2	Lefort+ CURV. X=5-11.	
		$^{160}\text{Gd}(^{12}\text{C},x)$	compound-nucleus $\sigma(E)$		
10045	GRN Expt J NP/A	330 150 079 7.0+1	2.1+2	Siwek-Wilczynska+ CURV. CALC.SIMPLE MOD	
	Expt J PRL	42 1600 679 7.0+1	2.1+2	Siwek-Wilczynska+ CURV. CALC. SIMPLE MOD	
		$^{160}\text{Gd}(^{12}\text{C},x)^4\text{He}$	$\sigma(E)$		
10046	GRN Expt J NP/A	330 150 079 9.0+1	2.0+2	Siwek-Wilczynska+ TBL. SINGLE ALPHAS.	
	Expt J NP/A	330 150 079 9.0+1	2.0+2	Siwek-Wilczynska+ CURV. EXPT CFD THEORY	
	Expt J PRL	42 1600 679 9.0+1	1.2+2	Siwek-Wilczynska+ CURV. FROM A-G COINC.	
		$^{160}\text{Gd}(^{12}\text{C},x)^4\text{He}$	ν		
10047	GRN Expt J PRL	42 1600 679 1.2+2		Siwek-Wilczynska+ 1.92+-0.15. A-A COINC.	
		$^{160}\text{Gd}(^{12}\text{C},\alpha+x)^4\text{He}$	$\sigma(E)$		
10048	GRN Expt J PRL	42 1600 679 9.0+1	1.2+2	Siwek-Wilczynska+ CURV. FROM A-G COINC.	
		$^{160}\text{Gd}(^{12}\text{C},2\alpha+x)^4\text{He}$	$\sigma(E)$		
10049	GRN Expt J PRL	42 1600 679 9.0+1	1.2+2	Siwek-Wilczynska+CURV.FRm ALPHA,1A,2A.	
	Expt J PRL	42 1600 679 1.2+2		Siwek-Wilczynska+ 175+-25MB.ALPHA-1A-2A	
	Expt J PRL	42 1600 679 1.2+2		Siwek-Wilczynska+ 190+-40MB. FRM COINC.	
		$^{160}\text{Gd}(^{12}\text{C},xn+\alpha)$	charge distribution $\sigma(E)$		
10050	GRN Expt J NP/A	330 150 079 9.0+1	2.0+2	Siwek-Wilczynska+ CURV. EXPT CFD THEORY	
		$^{160}\text{Gd}(^{12}\text{C},xn+2\alpha)$	charge distribution $\sigma(E)$		
10051	GRN Expt J NP/A	330 150 079 9.0+1	2.0+2	Siwek-Wilczynska+ CURV. EXPT CFD THEORY	

REFERENCES(cont.)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author.	Comments
		¹⁸⁰ Gd(¹² C,xn+3α)charge distribution				σ(E)
10052	GRN Expl J NP/A 330	150 079	9.0+1	2.0+2	Siwek-Wilczynska+	CURV. ESTIMATE.
		¹⁶¹ Dy(¹² C,6n) ¹⁸⁷ Hf				v _n
10053	LND Expl P LU-NP-1976 321	177	NDG		Carlen+	NDG. N MULTIPLICITIES.
		¹⁸¹ Dy(¹² C,6n) ¹⁸⁷ Hf				v _y
10054	LND Expl P LU-NP-1976 321	177	NDG		Carlen+	NDG. G MULTIPLICITIES.
		¹⁶² Dy(¹² C,4n) ¹⁷⁰ Hf				average v _y
10055	JUL Revv J NIM 146	161 077	NDG		Schult+	NDG. PRL 33, 596(1974)
		¹⁶⁴ Dy(¹² C,4n) ¹⁷² Hf				average v _y
10056	JUL Revv J NIM 146	161 077	NDG		Schult+	NDG. PRL 33, 596(1974)
		¹⁸⁰ Tm(¹² C,fission)				σ(E)×factor
10057	ORL Revv C 74NASH 2 107 674	5.5+1	1.0+2	Plasil.	CURV. GAMF/GAMN. PR/B 135,669	
	Revv C 74NASH 2 107 674	5.5+1	1.0+2	Plasil.	CURV. SIG(F)/SIG(N).	
		¹⁷⁴ Yb(¹² C,fission)				σ(E)
10058	BOR Theo J PR/C 16	706 877	8.0+1	1.3+2	Delagrang+	CURV. BOHR-WHEELER.
		¹⁷⁴ Yb(¹² C,fission) ¹⁸⁶ Os				σ(E)
10059	STB Theo P NEANDC(E)-1824	77	+1	+2	Delagrang+	NDG. P. 31.
		¹⁷⁸ Yb(¹² C,8n) ¹⁸⁰ Os				v _n
10060	LND Expl P LU-NP-1976 321	177	NDG		Carlen+	NDG. N MULTIPLICITIES.
		¹⁷⁶ Yb(¹² C,8n) ¹⁸⁰ Os				v _y
10061	LND Expl P LU-NP-1976 321	177	NDG		Carlen+	NDG. G MULTIPLICITIES.
10062	IPS Expl J NIM 150 483	78	1.2+2		Kerek+	CURV. FUNC. OF J. MULT. DET.
		¹⁷⁵ Lu(¹² C,fission)				σ(E)
10063	BOR Theo J PR/C 16	706 877	7.5+1	1.3+2	Delagrang+	CURV. BOHR-WHEELER.
		¹⁷⁵ Lu(¹² C,fission) ¹⁸⁷ Ir				σ(E)
10064	STB Theo P NEANDC(E)-1824	77	+1	+2	Delagrang+	NDG. P. 31.
		¹⁸² H(¹² C,x)				compound-nucleus σ(E)
10065	BRK Expl J PRL 43	1490 N79	7.7+1	1.7+2	Delagrang+	CURV. FUS FRM EVAP RES
		¹⁸² H(¹² C,fission)				σ(E)
10066	GRA Revv S LYCEN-7902	379	7.0+1	1.3+2	Fleury. P. C.7.1.	CURV.
10067	BOR Theo J PR/C 16	706 877	7.5+1	1.3+2	Delagrang+	CURV. BOHR-WHEELER.
	Theo J PR/C 16	706 877	7.0+1	1.3+2	Delagrang+	CURV. BOHR-WHEELER.
		¹⁸² H(¹² C,fission)				σ(E)×factor
10068	BOR Theo J PR/C 16	706 877	7.5+1	1.3+2	Delagrang+	CURV. BOHR-WHEELER. 1RST/2ND
		¹⁸² H(¹² C,fission)				partial σ(E)×factor
10069	BOR Theo J PR/C 16	706 877	1.2+2		Delagrang+	CURV. BOHR-WHEELER PR FCTN L
		¹⁸² H(¹² C,n+fission)				σ(E)×factor
10070	BOR Theo J PR/C 16	706 877	7.5+1	1.3+2	Delagrang+	CURV. BOHR-WHEELER. 1RST/2ND
		¹⁸² H(¹² C,x)γ				σ(E)×factor
10071	BOR Theo J PR/C 16	706 877	7.0+1	1.3+2	Delagrang+	CURV. BOHR-WHEELER. EM PROB
		¹⁸² H(¹² C,α) ¹⁸⁰ Pt				σ(E)
10072	BOR Theo J PR/C 16	706 877	7.0+1	1.3+2	Delagrang+	CURV. BOHR-WHEELER.
		¹⁸² H(¹² C,α) ¹⁸⁰ Pt				σ(E)×factor
10073	BOR Theo J PR/C 16	706 877	7.0+1	1.3+2	Delagrang+	CURV. BOHR-WHEELER. EM PROB
		¹⁸² H(¹² C,α) ¹⁸⁰ Pt				partial σ(E)×factor
10074	BOR Theo J PR/C 16	706 877	1.2+2		Delagrang+	CURV. BOHR-WHEELER PR FCTN L
		¹⁸² H(¹² C,p) ¹⁸³ Au				σ(E)
10075	BOR Theo J PR/C 16	706 877	7.0+1	1.3+2	Delagrang+	CURV. BOHR-WHEELER.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{182}\text{W}(^{12}\text{C},p)^{183}\text{Au}$ $\sigma(E)$ factor			
10076	BOR Theo J PR/C	16 706 877 7.0+1	1.3+2	Delagrangé+ CURV. BOHR-WHEELER. EM PROB	
		$^{182}\text{W}(^{12}\text{C},n)^{183}\text{Hg}$ $\sigma(E)$			
10077	BOR Theo J PR/C	16 706 877 7.0+1	1.3+2	Delagrangé+ CURV. BOHR-WHEELER.	
		$^{182}\text{W}(^{12}\text{C},n)^{183}\text{Hg}$ $\sigma(E)$ factor			
10078	BOR Theo J PR/C	16 706 877 7.0+1	1.3+2	Delagrangé+ CURV. BOHR-WHEELER. F PROB.	
		$^{182}\text{W}(^{12}\text{C},n)^{183}\text{Hg}$ partial $\sigma(E)$ factor			
10079	BOR Theo J PR/C	16 706 877 1.2+2		Delagrangé+CURV. BOHR-WHEELER PR FCN L	
		$^{182}\text{W}(^{12}\text{C},\text{fission})^{194}\text{Hg}$ $\sigma(E)$			
10080	STB Theo P NEANDC(E)-1824	77 7.0+1	1.2+2	Delagrangé+ CURV. P. 31.	
		$\text{Pt}(^{12}\text{C},\text{fission})^{126}\text{m}/^{98}\text{Br}$ ratio $\sigma(E)$			
10081	HAR Expt P NEANDC(E)-2028	479 7.9+1	1.0+2	Cuningham+ CURV. RADIOCHEM. P 79.	
	Expt P UKNDC-P-94	79 479 7.9+1	1.0+2	. SAME AS NEANDC(E)-202. VOL. 8.	
	Expt P INDC(UK)-31	79 479 7.9+1	1.0+2	. SAME AS NEANDC(E)-202. VOL. 8.	
		$\text{Pt}(^{12}\text{C},\text{fission})^{126}\text{m}/^{98}\text{Sb}$ ratio $\sigma(E)$			
10082	HAR Expt P NEANDC(E)-2028	479 8.0+1	1.0+2	Cuningham+ CURV. RADIOCHEM. P 79.	
	Expt P UKNDC-P-94	79 479 8.0+1	1.0+2	. SAME AS NEANDC(E)-202. VOL. 8	
	Expt P INDC(UK)-31	79 479 8.0+1	1.0+2	. SAME AS NEANDC(E)-202. VOL. 8.	
		$^{198}\text{Pt}(^{12}\text{C},\text{fission})$ $\sigma(E)$			
10083	HAR Expt P NEANDC(E)-2028	479 NDG		Cuningham+ NDG. STUDY OF 208*PO FISS.	
		$^{198}\text{Pt}(^{12}\text{C},\text{fission})n$ v			
10084	HAR Expt P UKNDC-P-80	35 776 7.0+1		Cuningham+ CURV. VIA PO-208*.	
		$^{198}\text{Pt}(^{12}\text{C},\text{elastic})^{198}\text{Pt}$ $\sigma(E)$			
10085	HAR Expt P NEANDC(E)-2028	479 NDG		Cuningham+ NDG. STUDY OF 208*PO FISS.	
	Expt P UKNDC-P-94	80 479 NDG		. SAME AS NEANDC(E)-202. VOL. 8.	
	Expt P INDC(UK)-31	80 479 NDG		. SAME AS NEANDC(E)-202. VOL. 8.	
	Expt P UKNDC-P-88	94 678 NDG		Cuningham+ NDG. WORK IN PROGRESS.	
		$^{198}\text{Pt}(^{12}\text{C},x)^{202}\text{Po}$ partial $\sigma(E)$			
10086	HAR Expt P NEANDC(E)-2028	479 NDG		Cuningham+ NDG. 6-4-2-0 CASCADE. P 80	
	Expt P UKNDC-P-94	80 479 NDG		. SAME AS NEANDC(E)-202. VOL. 8.	
	Expt P INDC(UK)-31	80 479 NDG		. SAME AS NEANDC(E)-202. VOL. 8.	
		$^{198}\text{Pt}(^{12}\text{C},x)^{204}\text{Po}$ partial $\sigma(E)$			
10087	HAR Expt P NEANDC(E)-2028	479 NDG		Cuningham+ NDG. 6-4-2-0 CASCADE. P 80	
	Expt P UKNDC-P-94	80 479 NDG		. SAME AS NEANDC(E)-202. VOL. 8.	
	Expt P INDC(UK)-31	80 479 NDG		. SAME AS NEANDC(E)-202. VOL. 8.	
		$^{198}\text{Pt}(^{12}\text{C},\text{fission})$ mass distribution relative $\sigma(E)$			
10088	MAN Expt P UKNDC-P-88	93 678 NDG		Goodall+ NDG. WORK IN PROGRESS.	
		$^{197}\text{Au}(^{12}\text{C},x)$ compound-nucleus $\sigma(E)$			
10089	TRM Theo J NP/A	329 224 079 8.1+1	1.3+2	Choudry+ TBL. FUS FRM FF SIG(THETA).	
10090	PAR Rev J JPRC	37 57 N76 8.6+1		Lefort. 1.168. SUM OF EVAP. RES. + FISS	
	Rev J RPP	39 129 76 8.1+1		Lefort. TBL. SUM OF EVAP. RES. AND FISS	
	Rev C 74NASH	2 81 674 8.6+1		Lefort+ 1000MB. JPR 29, 563(68).	
		$^{197}\text{Au}(^{12}\text{C},x)$ compound-nucleus $\sigma(E)$ factor			
10091	NBI Rev C 73TRIEST	1 295 973 8.6+1	1.3+2	Siemens. TBL. L(CRIT) FRM LEFORT COMPI	
		$^{197}\text{Au}(^{12}\text{C},x)$ partial $\sigma(E)$			
10092	PAR Rev J JPRC	37 57 N76 8.6+1		Lefort. EVAP. RES. = 0.560B.	
	Rev J RPP	39 129 76 8.1+1		Lefort. TBL. SUM OF EVAP. RES.	
		$^{197}\text{Au}(^{12}\text{C},\text{fission})$ $\sigma(E)$			
10093	PAR Rev J JPRC	37 57 N76 8.6+1		Lefort. 0.600B.	
	Rev J RPP	39 129 76 8.1+1		Lefort. TBL.	
		$^{197}\text{Au}(^{12}\text{C},4n)^{205}\text{At}$ partial $\sigma(E)$			
10094	STB Expt A DA/B	39 2376 N78 NDG		Sjoreen. NDG. IN-BEAM G+DLY A. HIGH SPIN	

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
¹⁹⁷Au(¹²C,x)charge distribution σ(E)				
10095 KFK Comp B PH-DAT 15	1 079	1.3+2		Muenzel+ TBL. FROM EXFOR.
10096 YAL Expt J PR/C 8	1109 973	1.3+2		Eyal+ TBL. Z=3-5. INTEG. OVER E/ANGLE.
Expt 4 EXFORB0021.	076 77	1.3+2		. 3 ENTRIES.
¹⁹⁷Au(¹²C,x)isotopic distribution Independent σ(E)				
10097 KFK Comp B PH-DAT 15	1 079	1.3+2		Muenzel+ TBL. FROM EXFOR.
10098 YAL Expt J PR/C 8	1109 973	1.3+2		Eyal+TBL.CURV.Z=79-83.A=195-203.23150M.
Expt 4 EXFORB0021.	77	1.3+2		. 37 DATA POINTS.
¹⁹⁷Au(¹²C,x)isotopic distribution cumulative σ(E)				
10099 KFK Comp B PH-DAT 15	1 079	1.3+2		Muenzel+ TBL. FROM EXFOR.
10100 YAL Expt J PR/C 8	1109 973	1.3+2		Eyal+TBL.CURV.Z=79-84.A=192-204.13150M.
Expt 4 EXFORB0021.	77	1.3+2		. 13 DATA POINTS.
¹⁹⁷Au(¹²C,x)isotopic distribution σ(E)				
10101 BRK Theo A BAP 23	27 178	+4		Menchaca-Rocha+ NDG. PERIPHERAL REACT.
²⁰⁸Pb(¹²C,inelastic)²⁰⁸Pb partial σ(E)				
10102 BNL Revv S BNL-51115	405 779	1.1+2 4.8+2		Sandorfi+ CURV. PEAK SIG FOR 11-MEV GDR
²⁰⁸Pb(¹²C,x)isotopic distribution σ(E)				
10103 BRK Theo A BAP 23	27 178	+4		Menchaca-Rocha+ NDG. PERIPHERAL REACT.
²⁰⁸Pb(¹²C,xn)isotopic distribution σ(E)				
10104 JCL Expt J NP/A 217	253 73	6.5+1 9.6+1		Nomura+ CURV. X=3-5. ALPHA DETECTION.
²⁰⁹Bi(¹²C,x) compound-nucleus σ(E)				
10105 IMP Theo J PHE 2	534 N78	6.4+1 8.5+1		Shu-Wei+ CURV. COMPLETE FUS. SEMI-CLASS
10106 IMP Expt J ASI 2	151 378	7.0+1 7.3+1		Chi-Chang+ TBL. CURV. FUS=EVAP. RES.+F
10107 TRM Theo J NP/A 329	224 079	8.1+1 9.8+1		Choudry+ TBL. FUS FRM FF SIG(THETA).
10108 PAR Revv C 74NASH 2	81 674	8.5+1		Lefort+ 1150MB. NP/A 192, 405(72).
²⁰⁹Bi(¹²C,x) partial σ(E)				
10109 IMP Expt J ASI 2	151 378	7.0+1 7.3+1		Chi-Chang+ TBL. CURV. SUM OF EVAP. RES.
Expt J PHE 1	69 77	6.1+1 7.3+1		Wen-Ging. TBL. EVAP. RES. CFD OTHER
²⁰⁹Bi(¹²C,fission) σ(E)				
10110 IMP Theo J PHE 2	534 N78	6.4+1 8.5+1		Shu-Wei+ CURV. SEMI-CLASSICAL.
10111 IMP Expt J ASI 2	151 378	7.0+1 7.3+1		Chi-Chang+ TBL. CURV. CFD OTHER.
²⁰⁹Bi(¹²C,absorption) σ(E)				
10112 IMP Theo J PHE 2	534 N78	6.4+1 8.5+1		Shu-Wei+ CURV. SEMI-CLASSICAL.
²⁰⁹Bi(¹²C,fission)n ν				
10113 MAN Exth J JIN 39	921 77	7.5+1 1.0+2		Branquinho+ TBL. EST. FRM MOST PROB. Z.
²⁰⁹Bi(¹²C,Bn+5p+fission)⁸²Br ratio σ(E)				
10114 HAR Expt P UKNDC-P-88	92 678	8.5+1 9.4+1		Goodall+ NDG. P0208* FISSION.
²⁰⁹Bi(¹²C,Bn+5p+fission)⁸³Br ratio σ(E)				
10115 HAR Expt P UKNDC-P-88	92 678	8.5+1 9.4+1		Goodall+ NDG. P0208* FISSION.
²⁰⁹Bi(¹²C,Bn+5p+fission)¹²⁰Sb ratio σ(E)				
10116 HAR Expt P NEANDC(E)-2028	479 8.5+1	1.1+2		Cunningham+ CURV. RADIOCHEM. P 79.
Expt P INDC(UK)-31	79 479	8.5+1 1.1+2		. SAME AS NEANDC(E)-202, VOL. 8.
Expt P UKNDC-P-94	79 479	8.5+1 1.1+2		. SAME AS NEANDC(E)-202, VOL. 8
Expt P UKNDC-P-88	92 678	8.5+1 9.4+1		Goodall+ NDG. P0208* FISSION.
²⁰⁹Bi(¹²C,Bn+5p+fission)¹²⁶Sb ratio σ(E)				
10117 HAR Expt P NEANDC(E)-2028	479 7.5+1	1.1+2		Cunningham+ CURV. RADIOCHEM. P 79.
Expt P UKNDC-P-94	79 479	7.5+1 1.1+2		. SAME AS NEANDC(E)-202, VOL. 8
Expt P INDC(UK)-31	79 479	7.5+1 1.1+2		. SAME AS NEANDC(E)-202, VOL. 8.
Expt P UKNDC-P-88	92 678	8.5+1 9.4+1		Goodall+ NDG. P0208* FISSION.
²⁰⁹Bi(¹²C,Bn+5p+fission)¹²⁸Sb ratio σ(E)				
10118 HAR Expt P UKNDC-P-88	92 678	8.5+1 9.4+1		Goodall+ NDG. P0208* FISSION.
²⁰⁹Bi(¹²C,x)²¹⁰Bi σ(E)				
10119 PAR Expt J PR/C 18	1298 978	6.8+1 8.7+1		Gardes+ TBL. 2P1 ION. CHMBRS FOR A + G

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{209}\text{Bi}(^{12}\text{C},x)^{210}\text{Po}$			cumulative $\sigma(E)$
10120	PAR Expt J PR/C	18 1298 978	6.8+1	8.7+1	Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
		$^{209}\text{Bi}(^{12}\text{C},x)^{210}\text{Po}$			Independent $\sigma(E)$
10121	PAR Expt J PR/C	18 1298 978	6.8+1	8.7+1	Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
	Expt P IPNO-RC-77	10 77	6.8+1	8.7+1	Gardes+ TBL. RESIDUAL ACTIVITY.
	Exth T D. GARDES	D76	6.6+1	8.7+1	Gardes+. TBL. ACTIVATION.
		$^{209}\text{Bi}(^{12}\text{C},x)^{209}\text{At}$			$\sigma(E)$
10122	PAR Expt J PR/C	18 1298 978	6.6+1	8.8+1	Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
		$^{209}\text{Bi}(^{12}\text{C},x)^{209}\text{At}$			cumulative? $\sigma(E)$
10123	IMP Expt J ASI	2 143 378	6.2+1	7.2+1	Jun-Sheng+ TBL. CURV.
		$^{209}\text{Bi}(^{12}\text{C},x)^{210}\text{At}$			$\sigma(E)$
10124	PAR Expt J PR/C	18 1298 978	6.2+1	8.8+1	Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
		$^{209}\text{Bi}(^{12}\text{C},x)^{210}\text{At}$			cumulative? $\sigma(E)$
10125	IMP Expt J ASI	2 143 378	6.1+1	7.2+1	Jun-Sheng+ TBL. CURV.
		$^{209}\text{Bi}(^{12}\text{C},x)^{211}\text{At}$			$\sigma(E)$
10126	PAR Expt J PR/C	18 1298 978	6.2+1	8.8+1	Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
10127	IMP Expt J PHE	1 69 77	6.3+1	7.4+1	Wen-Ging. CURV. RECOIL AT-211 AND A-DEC
		$^{209}\text{Bi}(^{12}\text{C},x)^{211}\text{At}$			cumulative? $\sigma(E)$
10128	IMP Expt J ASI	2 143 378	6.2+1	7.2+1	Jun-Sheng+ TBL. CURV.
		$^{209}\text{Bi}(^{12}\text{C},\alpha+x)^{211}\text{At}$			$\sigma(E)$
10129	IMP Expt J PHE	1 69 77	6.1+1	7.3+1	Wen-Ging. CURV.
		$^{209}\text{Bi}(^{12}\text{C},x)^{213}\text{At}$			$\sigma(E)$
10130	YAL Expt C 7IALBANY	497 71	1.1+2	1.3+2	Gough+ CURV.
		$^{209}\text{Bi}(^{12}\text{C},x)^{214}\text{At}$			$\sigma(E)$
10131	MAN Expt C 7IALBANY	489 71	9.2+1	1.2+2	Bell+ CURV. COMP. EXP. TO CALC.
10132	YAL Expt C 7IALBANY	497 71	9.5+1	1.3+2	Gough+ CURV.
		$^{209}\text{Bi}(^{12}\text{C},x)^{215}\text{At}$			$\sigma(E)$
10133	MAN Expt C 7IALBANY	489 71	7.9+1	1.2+2	Bell+ CURV. COMP. EXP. TO CALC.
10134	YAL Expt C 7IALBANY	497 71	8.4+1	1.3+2	Gough+ CURV.
		$^{209}\text{Bi}(^{12}\text{C},x)^{216}\text{At}$			$\sigma(E)$
10135	MAN Expt C 7IALBANY	489 71	6.0+1	1.1+2	Bell+ CURV. COMP. EXP. TO CALC.
10136	YAL Expt C 7IALBANY	497 71	7.5+1	1.3+2	Gough+ CURV.
		$^{209}\text{Bi}(^{12}\text{C},x)^{217}\text{At}$			$\sigma(E)$
10137	MAN Expt C 7IALBANY	489 71	6.0+1	9.0+1	Bell+ CURV. COMP. EXP. TO CALC.
10138	YAL Expt C 7IALBANY	497 71	7.0+1	8.5+1	Gough+ CURV.
		$^{209}\text{Bi}(^{12}\text{C},x)^{218}\text{At}$			$\sigma(E)$
10139	MAN Expt C 7IALBANY	489 71	5.0+1	7.8+1	Bell+ CURV. COMP. EXP. TO CALC.
10140	YAL Expt C 7IALBANY	497 71	6.5+1	8.5+1	Gough+ CURV.
		$^{209}\text{Bi}(^{12}\text{C},x)^{212}\text{Fr}$			$\sigma(E)$
10141	MAN Expt C 7IALBANY	489 71	6.0+1	1.2+2	Bell+ CURV.
		$^{209}\text{Bi}(^{12}\text{C},4n+\alpha)^{213}\text{Fr}$			$\sigma(E)$
10142	IMP Expt J ASI	2 143 378	6.6+1	6.9+1	Jun-Sheng+ TBL. CURV.
		$^{209}\text{Bi}(^{12}\text{C},3n+\alpha)^{214}\text{Fr}$			$\sigma(E)$
10143	IMP Expt J ASI	2 143 378	6.1+1	6.9+1	Jun-Sheng+ TBL. CURV.
		$^{209}\text{Bi}(^{12}\text{C},3n+\alpha)^{214}\text{Fr}$			$\sigma(E)$
10144	IMP Expt J ASI	2 143 378	6.2+1	6.9+1	Jun-Sheng+ TBL. CURV.
		$^{209}\text{Bi}(^{12}\text{C},5n)^{216}\text{Ac}$			$\sigma(E)$
10145	IMP Theo J PHE	2 534 N78	7.5+1	9.1+1	Shu-Wei+ CURV. SEMI-CLASSICAL.
		$^{209}\text{Bi}(^{12}\text{C},4n)^{217}\text{Ac}$			$\sigma(E)$
10146	IMP Expt J ASI	2 143 378	6.0+1	7.9+1	Jun-Sheng+ CURV.
10147	IMP Theo J PHE	2 534 N78	6.5+1	9.0+1	Shu-Wei+ CURV. SEMI-CLASSICAL.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{209}\text{Bi}(^{12}\text{C},3n)^{218}\text{Ac}$			$\sigma(\text{E})$
10148	IMP Expt J ASI	2	143	378	6.0+1 7.9+1 Jun-Sheng+ CURV.
10149	IMP Theo J PHE	2	534	N78	6.1+1 8.0+1 Shu-Wei+ CURV. SEMI-CLASSICAL.
		$^{209}\text{Bi}(^{12}\text{C},2n)^{219}\text{Ac}$			$\sigma(\text{E})$
10150	IMP Theo J PHE	2	534	N78	6.1+1 6.6+1 Shu-Wei+ CURV. SEMI-CLASSICAL.
		$^{209}\text{Bi}(^{12}\text{C},x)$ mass distribution			$\sigma(\text{E})$
10151	PAR Expt P IPNO-RC-77	10	77	6.8+1 8.7+1	Gardes+ TBL. A=210. RESIDUAL ACTIVITY.
		$^{209}\text{Bi}(^{12}\text{C},\text{fission})$ isotopic distribution			Independent fission yield
10152	HAR Exth J JIN	39	921	77	7.5+1 1.0+2 Branquinho+ TBL. Z=32-55/A=77-136.
		$^{238}\text{U}(^{12}\text{C},x)$ compound-nucleus			$\sigma(\text{E})$
10153	PAR Rev J JPRC	37	57	N76	1.2+2 Lefort. 1.55B. SUM OF EVAP. RES.+FISS.
	Rev J RPP	39	129	76	1.2+2 Lefort. TBL. SUM OF EVAP. RES. AND FISS
		$^{238}\text{U}(^{12}\text{C},\text{fission})$			$\sigma(\text{E})$
10154	PAR Rev J JPRC	37	57	N76	1.2+2 Lefort. 1.550B.
	Rev J RPP	39	129	76	1.2+2 Lefort. TBL.
		$^{238}\text{U}(^{12}\text{C},x)$ charge distribution			product yield
10155	BRK Theo A BAP	23	27	178	NDG Morrissey+ NDG. ABRASION CONCEPT.
		$^{238}\text{U}(^{12}\text{C},x)$ mass distribution			product yield
10156	BRK Theo A BAP	23	27	178	NDG Morrissey+ NDG. ABRASION CONCEPT.
		$^{238}\text{U}(^{12}\text{C},\text{fission})$ mass distribution			$\sigma(\text{E})$
10157	DUB Rev C 74NASH	2	459	674	NDG Flerov. CURV. A=75-175.
		$^{239}\text{Pu}(^{12}\text{C},x)^{244}\text{Cf}$			$\sigma(\text{E})$
10158	ORL Expt P ORNL-5306	45	677	NDG	Hahn+ MAX. SIGMA APP. 10 MICROBARN.
	Expt P ORNL-5297	94	77	NDG	Hahn+ NDG. MAX SIG APP. 10MICROB.
		$^{239}\text{Pu}(^{12}\text{C},x)^{245}\text{Cf}$			$\sigma(\text{E})$
10159	ORL Expt P ORNL-5306	45	677	NDG	Hahn+ MAX. SIGMA APP. 10 MICROBARN.
	Expt P ORNL-5297	94	77	NDG	Hahn+ NDG. MAX SIG APP. 10MICROB.
		$^{249}\text{Cf}(^{12}\text{C},5n)^{256}\text{Ku}$			product yield
10160	ORL Expt P ORNL-5137	73	576	NDG	Dittner+ NDG. NO DEFINITE IDENTIFICATIO
	Expt P ORNL-5111	62	75	NDG	Dittner+ NDG. NO DEFINITE IDENTIFICATIO
		$^{252}\text{Cf}(^{12}\text{C},x)^{256}\text{Fm}$			cumulative $\sigma(\text{E})$
10161	BRK Expt P LBL-5075	160	076	5.0+1 1.1+2	Somerville+ CURV. SF ACTIVITY.
		systematics($^{12}\text{C},x$)			compound-nucleus $\sigma(\text{E})$
10162	ANL Rev A BAP	23	98	178	NDG Kovar. NDG. REVIEWED ANL PROGRAM.
10163	ORL Rev C 77TENN	22	77	NDG	Stokstead. CURV. MAX. SIG FOR Z=6-9+13
10164	SAC Expt J BIS	224	134	777	NDG Harar. CURV. MAX FUS. SIG. 1P+2S-10 NUC
10165	PAR Rev C 74NASH	2	81	674	4.4+1 1.9+2 Lefort+ TBL. MANY REFERENCES.
		systematics($^{12}\text{C},x)$ charge distribution			$\sigma(\text{E})$
10166	GRE Exth P ISN-77-01	58	76	NDG	Billerey+ NDG. Z=2-12 PRODUCTS.
	Exth P LYCEN-7701	15	76	NDG	Billerey+ NDG. Z=2-12 PRODUCTS.
		$^{12}\text{C}(^{13}\text{C},x)$			compound-nucleus $\sigma(\text{E})$
10167	ANL Expt J PR/C	20	1305	079	1.6+1 5.2+1 Kovar+ TBL. CURV. FUSION.
		$^{12}\text{C}(^{13}\text{C},x)$			compound-nucleus $\sigma(\text{E}) \times \text{factor}$
10168	CAL Expt J PRL	37	888	76	5.0+0 1.6+1 Stokstead+ CURV. SEE NP/A 261,478(1976)
		$^{12}\text{C}(^{13}\text{C},x)$			partial $\sigma(\text{E})$
10169	ORL Rev C 77TENN	22	77	8.3+0 2.5+1	Stokstead. CURV. 017+NE20+NA23NP/A265,153
		$^{12}\text{C}(^{13}\text{C},\text{absorption})$			$\sigma(\text{E})$
10170	CAL Theo P LAP-149		176	1.6+1 2.2+1	Swilkowski. CURV. 2 STCKY HARD SPHERES
		$^{12}\text{C}(^{13}\text{C},\text{total})$			compound-nucleus $\sigma(\text{E})$
10171	CAL Expt J NP/A 265	153	76	5.0+0 1.6+1	Dayras+ CURV. INFERRED.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
	$^{12}\text{C}(^{13}\text{C},\text{x})\gamma$	$\sigma(\text{E}) \times \text{factor}$			
10172	YAL Expt C	77TOKYO	641	977	1.5+1 1.6+1 Willet+ CURV. S-FACTOR.
	$^{12}\text{C}(^{13}\text{C},\text{x})\text{n}$	$\sigma(\text{E})$			
10173	ORL Expt P	ORNL-5137	87	576	7.0+0 3.0+1 Bair+ CURV.
	$^{12}\text{C}(^{13}\text{C},\text{elastic})^{12}\text{C}$	product yield			
10174	KSU Expt A	BAP	23	616	478 1.8+1 3.2+1 Legg+ NDG. R-MATRIX ANAL.
	$^{12}\text{C}(^{13}\text{C},2\alpha)^{17}\text{O}$	cumulative? $\sigma(\text{E})$			
10175	ORL Revw C	77TENN	22	77	8.8+0 2.5+1 Stokstead. CURV. FRM NP/A 265, 153(76)
10176	CAL Expt J	NP/A 265	153	76	1.0+1 3.3+1 Dayras+ CURV. MEASURED GAMMAS.
	$^{12}\text{C}(^{13}\text{C},\text{n}\alpha)^{20}\text{Ne}$	cumulative? $\sigma(\text{E})$			
10177	CAL Expt J	NP/A 265	153	76	5.0+0 1.6+1 Dayras+ CURV. MEASURED GAMMAS.
10178	ORL Revw C	77TENN	22	77	1.0+1 2.5+1 Stokstead. CURV. FRM NP/A 265, 153(76)
	$^{12}\text{C}(^{13}\text{C},\alpha)^{21}\text{Ne}$	$\sigma(\text{E})$			
10179	CAL Expt J	NP/A 265	153	76	5.0+0 1.6+1 Dayras+ CURV. MEASURED GAMMAS.
	$^{12}\text{C}(^{13}\text{C},\text{n}\alpha)^{23}\text{Na}$	cumulative? $\sigma(\text{E})$			
10180	CAL Expt J	NP/A 265	153	76	5.0+0 1.6+1 Dayras+ CURV. MEASURED GAMMAS.
10181	ORL Revw C	77TENN	22	77	8.8+0 2.5+1 Stokstead. CURV. FRM NP/A 265, 153(76)
	$^{12}\text{C}(^{13}\text{C},\text{p})^{24}\text{Na}$	$\sigma(\text{E})$			
10182	CAL Expt J	NP/A 265	153	76	5.0+0 1.6+1 Dayras+ CURV. MEASURED GAMMAS.
	$^{12}\text{C}(^{13}\text{C},\text{n})^{24}\text{Mg}$	$\sigma(\text{E})$			
10183	CAL Expt J	NP/A 265	153	76	5.0+0 1.6+1 Dayras+ CURV. MEASURED GAMMAS.
10184	PEN Expt J	PRL	37	279	76 1.6+1 Geller+ (1.29+-0.26)MB. GS+1.358-STATE
	$^{12}\text{C}(^{13}\text{C},\text{x})$	charge distribution $\sigma(\text{E})$			
10185	ANL Expt J	PR/C	20	1305	079 1.6+1 5.2+1 Kovar+ TBL. N,O,F,NE,NA,MG FROM ANG.
	$^{13}\text{C}(^{13}\text{C},\text{total})$	$\sigma(\text{E})$			
10186	LUQ Expt J	NP/A 333	273	180	6.1+0 1.4+1 Chatterjee+ TBL. CURV. FROM G SINGLES.
	$^{13}\text{C}(^{13}\text{C},\text{total})$	$\sigma(\text{E}) \times \text{factor}$			
10187	LUQ Expt J	NP/A 333	273	180	6.1+0 1.4+1 Chatterjee+ CURV. S-FACTOR.
	Expt J	NP/A 333	273	180	6.3+0 1.4+1 Chatterjee+ CURV. RATIO TOTAL/2N.
	$^{13}\text{C}(^{13}\text{C},\text{x})\text{n}$	$\sigma(\text{E})$			
10188	ORL Expt P	ORNL-5306	59	677	NDG Bair+ NDG. PAPER IN PREPARATION
	Expt A	BAP	22	628	477 8.0+0 4.0+1 Del-Campo+ NDG. 200KEV STEPS.
	Expt P	ORNL-5137	87	576	7.0+0 3.0+1 Bair+ CURV.
	$^{13}\text{C}(^{13}\text{C},2\text{n})^{24}\text{Mg}$	$\sigma(\text{E})$			
10189	LUQ Expt J	NP/A 333	273	180	6.3+0 1.4+1 Chatterjee+ TBL. CURV. FROM G SINGLES.
	$^{13}\text{C}(^{13}\text{C},2\text{n})^{24}\text{Mg}$	$\sigma(\text{E}) \times \text{factor}$			
10190	LUQ Expt J	NP/A 333	273	180	6.3+0 1.4+1 Chatterjee+ CURV. S-FACTOR.
	Expt J	NP/A 333	273	180	6.3+0 1.4+1 Chatterjee+ CURV. RATIO TOTAL/2N.
	$^{14}\text{N}(^{13}\text{C},\text{x})$	compound-nucleus $\sigma(\text{E})$			
10191	SAC Expt P	CEA-N-2070	37	978	2.9+1 5.4+1 Conjeaud+ CURV. FUSION.
	$^{14}\text{N}(^{13}\text{C},\text{x})$	charge distribution $\sigma(\text{E})$			
10192	SAC Expt P	CEA-N-2070	37	978	4.4+1 5.4+1 Conjeaud+ CURV. CFD THEORY.
	$^{18}\text{O}(^{13}\text{C},\text{x})\text{n}$	$\sigma(\text{E})$			
10193	ORL Expt P	ORNL-5306	59	677	NDG Bair+ NDG. PAPER IN PREPARATION
	Expt P	ORNL-5137	87	576	7.0+0 3.0+1 Bair+ NDG.
	$^{17}\text{O}(^{13}\text{C},\text{x})$	compound-nucleus $\sigma(\text{E})$			
10194	SAC Expt P	CEA-N-2070	37	978	2.1+1 5.3+1 Conjeaud+CURV.FUS.CFD GLAS-MOSEL,OTHERS
	$^{17}\text{O}(^{13}\text{C},\text{x})$	charge distribution $\sigma(\text{E})$			
10195	SAC Expt P	CEA-N-2070	37	978	3.8+1 5.3+1 Conjeaud+ CURV. CFD THEORY.
	$^{18}\text{O}(^{13}\text{C},\text{x})\text{n}$	$\sigma(\text{E})$			
10196	ORL Expt P	ORNL-5306	59	677	NDG Bair+ NDG. PAPER IN PREPARATION

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments	
		$^{18}\text{O}(^{13}\text{C},\text{x})\text{n}$			$\sigma(\text{E})$		
10196	ORL Expt P	ORNL-5137	87	576	7.0+0	3.0+1 Blair+ NDG.	
		$^{40}\text{Ca}(^{13}\text{C},\text{absorption})$			$\sigma(\text{E})$		
10197	BNL Theo W R.C.	FULLER	077	4.0+1	7.0+1	Fuller. CURV.	
		$^{40}\text{Ca}(^{13}\text{C},\text{total})$			partial $\sigma(\text{E}) \times \text{factor}$		
10198	BNL Theo W R.C.	FULLER	077	4.0+1	7.0+1	Fuller. CURV. COULOMB-REMOVED. IM(F(0))	
		$^{40}\text{Ca}(^{13}\text{C},\text{elastic})^{40}\text{Ca}$			partial $\sigma(\text{E})$		
10199	BNL Theo W R.C.	FULLER	077	4.0+1	7.0+1	Fuller. CURV. COULOMB-REMOVED.	
		$^{48}\text{Ca}(^{13}\text{C},\text{n+p})^{58}\text{Mn}$			product yield		
10200	ANL Expt S	CERN-76-13	590	676	2.6+1	David+ NDG. BETA-GAMMA SPECTROSCOPY	
		$^{48}\text{Ca}(^{13}\text{C},\text{x})$			isotopic distribution	relative $\sigma(\text{E})$	
10201	BNL Expt J	PR/C	17	1008	378	2.5+1	6.5+1 Nathan+ CURV.
		$^{92}\text{Zr}(^{13}\text{C},3\text{n})^{102}\text{Pd}$			partial relative $\sigma(\text{E})$		
10202	PUR Expt J	PR/C	14	2297	76	5.1+1	Grau+ TBL. REL. TO 556.4-KEV GAMMA.
		$^{94}\text{Zr}(^{13}\text{C},3\text{n})^{104}\text{Pd}$			partial relative $\sigma(\text{E})$		
10203	PUR Expt J	PR/C	14	2297	76	4.7+1	Grau+ TBL. REL. TO 555.8-KEV GAMMA.
		$^{96}\text{Zr}(^{13}\text{C},3\text{n})^{106}\text{Pd}$			partial relative $\sigma(\text{E})$		
10204	PUR Expt J	PR/C	14	2297	76	4.5+1	Grau+ TBL. REL. TO 511.8-KEV GAMMA.
		$^{96}\text{Mo}(^{13}\text{C},3\text{n})^{106}\text{Cd}$			I_{γ}		
10205	PUR Expt J	PR/C	19	73	179	3.7+1	4.7+1 Samuelson+ NDG. TO FIND OPTIMUM ENERGY.
		$^{110}\text{Pd}(^{13}\text{C},3\text{n})^{120}\text{Te}$			relative I_{γ}		
10206	STB Expt A	BAP	24	649	479	4.9+1	5.2+1 Chowdhury+ NDG. GAMMA EXCITATION.
		$^{110}\text{Cd}(^{13}\text{C},3\text{n})^{120}\text{Xe}$			relative I_{γ}		
10207	STB Expt A	BAP	24	649	479	4.9+1	5.2+1 Chowdhury+ NDG. GAMMA EXCITATION.
		$^{130}\text{Te}(^{13}\text{C},12\text{n})^{131}\text{Ce}$			$\sigma(\text{E})$		
10208	IPS Rev C	73TR1EST	1	317	973	1.3+2	1.4+2 Johnson. CURV. FRM JINR-P7-5912(1972)
		$^{130}\text{Te}(^{13}\text{C},11\text{n})^{132}\text{Ce}$			$\sigma(\text{E})$		
10209	IPS Rev C	73TR1EST	1	317	973	1.2+2	1.4+2 Johnson. CURV. FRM JINR-P7-5912(1972)
		$^{130}\text{Te}(^{13}\text{C},10\text{n})^{133}\text{Ce}$			$\sigma(\text{E})$		
10210	IPS Rev C	73TR1EST	1	317	973	1.0+2	1.4+2 Johnson. CURV. FRM JINR-P7-5912(1972)
		$^{130}\text{Te}(^{13}\text{C},8\text{n})^{135}\text{Ce}$			$\sigma(\text{E})$		
10211	IPS Rev C	73TR1EST	1	317	973	7.8+1	1.4+2 Johnson. CURV. FRM JINR-P7-5912(1972)
		$^{130}\text{Te}(^{13}\text{C},6\text{n})^{137}\text{Ce}$			$\sigma(\text{E})$		
10212	IPS Rev C	73TR1EST	1	317	973	5.0+1	1.3+2 Johnson. CURV. FRM JINR-P7-5912(1972)
		$^{130}\text{Te}(^{13}\text{C},4\text{n})^{139}\text{Ce}$			$\sigma(\text{E})$		
10213	IPS Rev C	73TR1EST	1	317	973	4.0+1	8.5+1 Johnson. CURV. FRM JINR-P7-5912(1972)
		$^{204}\text{Hg}(^{13}\text{C},5\text{n})^{212}\text{Rn}$			product yield		
10214	CRC Expt A	BAP	22	643	477	NDG	Horn+ NDG. HIGH-SPIN ISOMERS.
		$^{204}\text{Hg}(^{13}\text{C},5\text{n})^{212}\text{Rn}$			prompt product yield		
10215	CRC Expt J	PRL	39	389	877	7.2+1	8.5+1 Horn+ NDG.
		$^{204}\text{Hg}(^{13}\text{C},5\text{n})^{212}\text{Rn}$			delayed product yield		
10216	CRC Expt J	PRL	39	389	877	7.2+1	8.5+1 Horn+ NDG.
		$^{205}\text{Tl}(^{13}\text{C},5\text{n})^{213}\text{Fr}$			partial $\sigma(\text{E})$		
10217	CRC Expt A	BAP	23	613	478	7.2+1	8.6+1 Horn+ NDG. PR.+DL. G-RAY. YRAST.
		$^{206}\text{Pb}(^{13}\text{C},5\text{n})^{214}\text{Ra}$			partial $\sigma(\text{E})$		
10218	CRC Expt A	BAP	23	613	478	7.2+1	8.6+1 Horn+ NDG. PR.+DL. G-RAY. YRAST.
		$^{206}\text{Pb}(^{13}\text{C},^{14}\text{C})^{207}\text{Pb}$			partial $\sigma(\text{E}) \times \text{factor}$		
10219	MIN Exth J	NP/A	324	193	779	5.2+1	5.4+1 Franey+ CURV. DWBA. (13C,14C)/(160,170)

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{208}\text{Pb}(^{13}\text{C}, ^{12}\text{C})^{208}\text{Pb}$ partial $\sigma(E)$ x factor			
10220	MIN Expt J NP/A	324 193 779 5.2+1	5.4+1	Franeys+ CURV. DMBA. ($^{13}\text{C}, ^{12}\text{C}$)/(1170,160)	
		$^{240}\text{Cf}(^{13}\text{C}, ^{3n})^{258}\text{Ku}$ $\sigma(E)$			
10221	BRK Rev J ARN	27 139 77 6.9+1		Keller+ 150 ATOMS/HR. CHEM. TECH.	
		systematics($^{13}\text{C}, x$) compound-nucleus $\sigma(E)$			
10222	SAC Rev P CEA-N-2070	43 978 NDG		Conjeaud+ CURV. MAX. FUSION SIGMA.	
		$^{18}\text{O}(^{14}\text{C}, x)^{27}\text{Mg}$ $\sigma(E)$			
10223	ETH Expt C 71ALBANY	527 71 1.3+1	3.9+1	Eyal+ CURV. ACTIV. METHOD AND CALC.	
		$^{18}\text{O}(^{14}\text{C}, x)^{29}\text{Al}$ $\sigma(E)$			
10224	ETH Expt C 71ALBANY	527 71 1.3+1	3.9+1	Eyal+ CURV. ACTIV. METHOD AND CALC.	
		$^{18}\text{O}(^{14}\text{C}, x)^{30}\text{Al}$ $\sigma(E)$			
10225	ETH Expt C 71ALBANY	527 71 1.3+1	3.9+1	Eyal+ CURV. ACTIV. METHOD AND CALC.	
		$^{208}\text{Bi}(^{14}\text{C}, \text{fission})$ $\sigma(E)$ x factor			
10226	MUJ Expt P BLM-JB-78	20 78 6.1+1	7.4+1	Hicks+ TBL. RATIO FISSION/3N.	
		$^{208}\text{Bi}(^{14}\text{C}, n+2p)^{220}\text{Fr}$ $\sigma(E)$			
10227	MUJ Expt P BLM-JB-78	20 78 6.1+1	7.4+1	Hicks+ NDG. MEASURED ALPHAS + GAMMAS.	
		$^{208}\text{Bi}(^{14}\text{C}, n+p)^{221}\text{Ra}$ $\sigma(E)$			
10228	MUJ Expt P BLM-JB-78	20 78 6.1+1	7.4+1	Hicks+ NDG. MEASURED ALPHAS + GAMMAS.	
		$^{208}\text{Bi}(^{14}\text{C}, p)^{222}\text{Ra}$ $\sigma(E)$			
10229	MUJ Expt P BLM-JB-78	20 78 6.1+1	7.4+1	Hick+ NDG. MEASURED ALPHAS + GAMMAS.	
		$^{208}\text{Bi}(^{14}\text{C}, ^{3n})^{220}\text{Ac}$ $\sigma(E)$			
10230	MUJ Expt P BLM-JB-78	20 78 6.1+1	7.4+1	Hick+ TBL. MEASURED ALPHAS + GAMMAS.	
		$^{208}\text{Bi}(^{14}\text{C}, ^{3n})^{220}\text{Ac}$ $\sigma(E)$ x factor			
10231	MUJ Expt P BLM-JB-78	20 78 6.1+1	7.4+1	Hicks+ TBL. RATIO FISSION/3N.	
		$^{208}\text{Bi}(^{14}\text{C}, ^{2n})^{221}\text{Ac}$ $\sigma(E)$			
10232	MUJ Expt P BLM-JB-78	20 78 6.1+1	7.4+1	Hick+ NDG. MEASURED ALPHAS + GAMMAS.	
		$^{208}\text{Bi}(^{14}\text{C}, n)^{222}\text{Ac}$ $\sigma(E)$			
10233	MUJ Expt P BLM-JB-78	20 78 6.1+1	7.4+1	Hick+ NDG. MEASURED ALPHAS + GAMMAS.	
		$^4\text{He}(^{14}\text{N}, \alpha)^{14}\text{N}$ partial $\sigma(E)$			
10234	TOR Expt A DA/B	39 1837 078 NDG		Kieser. NDG. FURTHER STUDY OF NEW DOUBLT	
		$^{10}\text{B}(^{14}\text{N}, x)$ compound-nucleus $\sigma(E)$ x factor			
10235	CAL Expt J NP/A	312 177 078 6.9+0	1.8+1	Wu+ TBL. S-FCT. FUS. FROM SUM OF EVAP. RES	
	Expt C 777OKYO	661 977 8.9+0	1.8+1	Wu+ CURV. FUS SIGMA FRM G-YLD. S-FACTOR	
		$^{10}\text{B}(^{14}\text{N}, x)$ compound-nucleus $\sigma(E)$			
10236	CAL Expt J NP/A	312 177 078 6.9+0	1.8+1	Wu+ TBL. FUS. FROM SUM OF EVAP. RESIDUE	
10237	NOT Expt A BAP	23 502 478 1.7+1	4.5+1	Kolata+ NDG. G-TECH. CFD. OTHER WORK	
		$^{10}\text{B}(^{14}\text{N}, x)_y$ $\sigma(E)$			
10238	CAL Expt C 777OKYO	661 977 8.9+0	1.8+1	Wu+ NDG.	
		$^{10}\text{B}(^{14}\text{N}, \text{inelastic})^{10}\text{B}$ partial $\sigma(E)$			
10239	CAL Expt J NP/A	312 177 078 7.0+0	1.5+1	Wu+ CURV. COULOMB EXC. OF FIRST STATE	
		$^{10}\text{B}(^{14}\text{N}, \alpha)^{20}\text{Ne}$ partial $\sigma(E)$			
10240	UEN Expt J PR/C	18 290 778 1.5+1	2.0+1	Duck+ CURV. INTAD. SUM OF A0-A5.	
		$^{10}\text{B}(^{14}\text{N}, \alpha)^{20}\text{Ne}$ product yield			
10241	MON Expt P INDC(SEC)	-5043 176 9.5+0	1.3+1	Koide+ NDG. NO EVID. FOR STRONG RESON.	
		$^{10}\text{B}(^{14}\text{N}, p)^{23}\text{Ne}$ product yield			
10242	MON Expt P INDC(SEC)	-5043 176 9.5+0	1.3+1	Koide+ NDG. NO EVID. FOR STRONG RESON.	
		$^{10}\text{B}(^{14}\text{N}, x)$ isotopic distribution $\sigma(E)$			
10243	CAL Expt J NP/A	312 177 078 6.9+0	1.8+1	Wu+ TBL. CURV. 9 EVAP. RESIDUES. IN-BEAM	

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
					$C(^{14}N, x)n \quad \sigma(E)$
10244	FSU Theo A	74NASH 1 52 674	1.6+1	7.5+1	Holub+ NDG. STAT. EVAP. CODE.
					$C(^{14}N, x)^1H \quad \sigma(E)$
10245	FSU Theo A	74NASH 1 52 674	1.6+1	7.5+1	Holub+ NDG. STAT. EVAP. CODE.
					$C(^{14}N, x)^4He \quad \sigma(E)$
10246	FSU Theo A	74NASH 1 52 674	1.6+1	7.5+1	Holub+ NDG. STAT. EVAP. CODE.
					$C(^{14}N, x)^7Be$ thick target yield*factor
10247	FSU Expt J	PL/B 43 375 373	3.5+1	5.8+1	Holub+ CURV. ACTIV. FCT=THICKNESS
					$C(^{14}N, x)^{28}Na$ thick target yield*factor
10248	FSU Expt J	PL/B 43 375 373	1.6+1	5.8+1	Holub+ CURV. ACTIV. FCT=THICKNESS
					$C(^{14}N, x)^{24}Na$ thick target yield*factor
10249	FSU Expt J	PL/B 43 375 373	1.6+1	5.8+1	Holub+ CURV. ACTIV. FCT=THICKNESS
					$^{12}C(^{14}N, x)$ compound-nucleus $\sigma(E)$
10250	BRK Revs S	BNL-51115 905 779	NDG		Scott. CURV. CONFERENCE SUMMARY.
10251	CAL Expt J	NP/A 279 502 477	6.1+0	1.7+1	Switkoski+ CURV. TBL. FRM SUM EVAP RES
10252	ANL Expt J	PR/C 20 1305 079	3.3+1	5.2+1	Kovar+ TBL. CURV. FUSION.
	Expt C	77TOKYO 660 977	NDG		Kovar+ CURV. MAX. FUSION SIGMA.
10253	ORL Expt J	PR/C 19 2170 679	3.4+1	1.8+2	Del-Campo+ TBL. CURV. FUSION. INTAD.
10254	ORL Revs R	IAEA-241/SM 79 3.4+1	1.8+2		Plasili+ CURV. FUSION. CFD EXPT.
	Revs R	CONF-790507 3 79 3.4+1	1.8+2		Plasili+ SAME AS IAEA-SM/241-D1
10255	MIT Revs C	77TENN 73 77 4.0+1	2.5+2		Negelle. CURV. FRM PL/B 67,134(1977)
10256	ORL Theo J	PL/B 67 134 377	4.0+1	2.4+2	Maruhn-Rezwani+ CURV. TDHF THEORY.
10257	ORL Exth J	PRL 36 1529 676	4.3+1	1.8+2	Stokstad+ CURV. FUS. FROM EVAP. RESID.
	Revs C	77TENN 22 77 4.3+1	1.8+2		Stokstad. CURV. PRL 36,1529(76)
	Expt P	ORNL-5137 33 576 4.3+1	1.8+2		Stokstad+ CURV. FUSION DED. FROM PROD.
	Expt C	76ANL-2 2 795 476	4.4+1	1.8+2	Stokstad+ CURV. FUS = SUM OF EVAP. RES.
10258	BRK Expt J	PL/B 70 289 077	1.6+2	2.5+2	Stokstad+ CURV. INTAD. EVAP. RESIDUES.
					$^{12}C(^{14}N, x)$ direct-interaction $\sigma(E)$
10259	ORL Expt J	PR/C 19 2170 679	4.4+1	1.8+2	Del-Campo+ TBL.
					$^{12}C(^{14}N, x)$ compound-nucleus $\sigma(E)$ *factor
10260	CAL Expt J	NP/A 279 502 477	6.1+0	1.7+1	Switkoski+ CURV. S-FCT. EVAP RES SUM
	Expt J	PRL 37 888 76	5.0+0	1.6+1	Stokstad+ CURV. NUCLEAR S-FACTOR.
					$^{12}C(^{14}N, x)$ compound-nucleus average $\sigma(E)$
10261	ORL Expt P	ORNL-5137 33 576	4.0+1	1.8+2	Stokstad+ (812+-27)MB FOR E GE 40 MEV.
					$^{12}C(^{14}N, total) \quad \sigma(E)$
10262	ORL Expt J	PR/C 19 2170 679	3.4+1	1.8+2	Del-Campo+ TBL. OPT. MODEL.
					$^{12}C(^{14}N, total) \quad partial \sigma(E)$
10263	TAM Exth J	PR/C 16 2249 077	6.7+1		Stokstad+ CURV. INTAD. FUNCTION OF J
10264	YAL Revs C	74NASH 2 327 674	7.8+1		Stokstad. CURV. FUNC. OF TOT. ANG. MOM.
					$^{12}C(^{14}N, x)^y \quad \sigma(E)$
10265	GRE Expt P	ISN-79-01 39 79 5.9+1	7.0+1		Cole+ TBL. FROM 0-DEG. MASS SPECTRA.
					$^{12}C(^{14}N, x)^1H \quad partial \sigma(E)$
10266	TAM Exth J	PR/C 16 2249 077	6.7+1		Stokstad+ CURV. INTAD. FUNCTION OF J
					$^{12}C(^{14}N, x)^4He \quad partial \sigma(E)$
10267	TAM Exth J	PR/C 16 2249 077	6.7+1		Stokstad+ CURV. INTAD. FUNCTION OF J
					$^{12}C(^{14}N, x)^4He \quad compound-nucleus \sigma(E)$
10268	TAM Exth J	PR/C 16 2249 077	8.7+1		Stokstad+TBL. STAT. MOD. 1,2-STEP INTAD
					$^{12}C(^{14}N, n+x)^4He \quad compound-nucleus \sigma(E)$
10269	TAM Exth J	PR/C 16 2249 077	8.7+1		Stokstad+TBL. STAT. MOD. TWO-STEP INTAD
					$^{12}C(^{14}N, p+x)^4He \quad compound-nucleus \sigma(E)$
10270	TAM Exth J	PR/C 16 2249 077	8.7+1		Stokstad+TBL. STAT. MOD. TWO-STEP INTAD
					$^{12}C(^{14}N, x)^8Li \quad product yield$
10271	JCL Expt P	A-JCL-77 39 077	9.1+1		Motobayashi+ NDG. ANAL. IN PROGRESS

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{12}\text{C}(^{14}\text{N},x)^8\text{Li}$ partial $\sigma(E)$			
10272	TAM Exth J PR/C	16 2249 D77 8.7+1			Stokstead+ CURV. INTAD. FUNCTION OF J
		$^{12}\text{C}(^{14}\text{N},x)^8\text{Li}$ compound-nucleus $\sigma(E)$			
10273	TAM Exth J PR/C	16 2249 D77 8.7+1	1.6+2		Stokstead+CURV. PRED. FUNCTION OF JCRI T
	Exth J PR/C	16 2249 D77 7.8+1	1.6+2		Stokstead+TBL. STAT. MOD. 1,2-STEP INTAD
		$^{12}\text{C}(^{14}\text{N},n+x)^8\text{Li}$ compound-nucleus $\sigma(E)$			
10274	TAM Exth J PR/C	16 2249 D77 8.7+1			Stokstead+TBL. STAT. MOD. TWO-STEP INTAD
		$^{12}\text{C}(^{14}\text{N},p+x)^8\text{Li}$ compound-nucleus $\sigma(E)$			
10275	TAM Exth J PR/C	16 2249 D77 8.7+1			Stokstead+TBL. STAT. MOD. TWO-STEP INTAD
		$^{12}\text{C}(^{14}\text{N},\alpha+x)^8\text{Li}$ compound-nucleus $\sigma(E)$			
10276	TAM Exth J PR/C	16 2249 D77 7.8+1	1.6+2		Stokstead+TBL. STAT. MOD. TWO-STEP INTAD
		$^{12}\text{C}(^{14}\text{N},x)^7\text{Li}$ compound-nucleus $\sigma(E)$			
10277	TAM Exth J PR/C	16 2249 D77 8.7+1	1.6+2		Stokstead+CURV. PRED. FUNCTION OF JCRI T
	Exth J PR/C	16 2249 D77 8.7+1			Stokstead+TBL. STAT. MOD. 1,2 STEP INTAD
		$^{12}\text{C}(^{14}\text{N},n+x)^7\text{Li}$ compound-nucleus $\sigma(E)$			
10278	TAM Exth J PR/C	16 2249 D77 8.7+1			Stokstead+TBL. STAT. MOD. TWO-STEP INTAD
		$^{12}\text{C}(^{14}\text{N},p+x)^7\text{Li}$ compound-nucleus $\sigma(E)$			
10279	TAM Exth J PR/C	16 2249 D77 8.7+1			Stokstead+TBL. STAT. MOD. TWO-STEP INTAD
		$^{12}\text{C}(^{14}\text{N},\alpha+x)^7\text{Li}$ compound-nucleus $\sigma(E)$			
10280	TAM Exth J PR/C	16 2249 D77 8.7+1			Stokstead+TBL. STAT. MOD. TWO-STEP INTAD
		$^{12}\text{C}(^{14}\text{N},x)^7\text{Be}$ partial $\sigma(E)$			
10281	TAM Exth J PR/C	16 2249 D77 6.7+1			Stokstead+ CURV. INTAD. FUNCTION OF J
		$^{12}\text{C}(^{14}\text{N},x)^7\text{Be}$ compound-nucleus $\sigma(E)$			
10282	TAM Exth J PR/C	16 2249 D77 8.7+1	1.6+2		Stokstead+CURV. PRED. FUNCTION OF JCRI T
	Exth J PR/C	16 2249 D77 8.7+1			Stokstead+TBL. STAT. MOD. 1,2-STEP INTAD
		$^{12}\text{C}(^{14}\text{N},n+x)^7\text{Be}$ compound-nucleus $\sigma(E)$			
10283	TAM Exth J PR/C	16 2249 D77 8.7+1			Stokstead+TBL. STAT. MOD. TWO-STEP INTAD
		$^{12}\text{C}(^{14}\text{N},p+x)^7\text{Be}$ compound-nucleus $\sigma(E)$			
10284	TAM Exth J PR/C	16 2249 D77 8.7+1			Stokstead+TBL. STAT. MOD. TWO-STEP INTAD
		$^{12}\text{C}(^{14}\text{N},\alpha+x)^7\text{Be}$ compound-nucleus $\sigma(E)$			
10285	TAM Exth J PR/C	16 2249 D77 8.7+1			Stokstead+TBL. STAT. MOD. TWO-STEP INTAD
		$^{12}\text{C}(^{14}\text{N},x)^9\text{Be}$ compound-nucleus $\sigma(E)$			
10286	TAM Exth J PR/C	16 2249 D77 8.7+1	1.6+2		Stokstead+CURV. PRED. FUNCTION OF JCRI T
	Exth J PR/C	16 2249 D77 8.7+1			Stokstead+TBL. STAT. MOD. 1,2-STEP INTAD
		$^{12}\text{C}(^{14}\text{N},n+x)^9\text{Be}$ compound-nucleus $\sigma(E)$			
10287	TAM Exth J PR/C	16 2249 D77 8.7+1			Stokstead+TBL. STAT. MOD. TWO-STEP INTAD
		$^{12}\text{C}(^{14}\text{N},p+x)^9\text{Be}$ compound-nucleus $\sigma(E)$			
10288	TAM Exth J PR/C	16 2249 D77 8.7+1			Stokstead+TBL. STAT. MOD. TWO-STEP INTAD
		$^{12}\text{C}(^{14}\text{N},\alpha+x)^9\text{Be}$ compound-nucleus $\sigma(E)$			
10289	TAM Exth J PR/C	16 2249 D77 8.7+1			Stokstead+TBL. STAT. MOD. TWO-STEP INTAD
		$^{12}\text{C}(^{14}\text{N},^9\text{Be})^{17}\text{F}$ $\sigma(E)$			
10290	YAL Revv C 74NASH	2 327 674 9.0+1			Stokstad. CURV.
		$^{12}\text{C}(^{14}\text{N},x)^{18}\text{F}$ partial $\sigma(E)$			
10291	YAL Revv C 74NASH	2 327 674 2.1+1 3.7+1			Stokstad. CURV. 0.937G.
		$^{12}\text{C}(^{14}\text{N},^7\text{Be})^{18}\text{F}$ partial $\sigma(E)$			
10292	YAL Revv C 74NASH	2 327 674 7.8+1			Stokstad. CURV. FUNC. OF TOT. ANG. MOM.
		$^{12}\text{C}(^{14}\text{N},^7\text{Be})^{18}\text{F}$ $\sigma(E)$			
10293	TAM Exth J PR/C	16 2249 D77 8.7+1	1.6+2		Stokstead+ TBL. CURV. INTAD.
10294	YAL Revv C 74NASH	2 327 674 9.0+1			Stokstad. CURV.

REFERENCES(cont.)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{12}\text{C}(^{14}\text{N},7\text{Be})^{19}\text{F}$	thick target yield		
10295	TAM Exth J PR/C	16 2249 D77	3.5+1	5.9+1	Stokstead+ TBL. INTAD. FRM NP/A 246,515
		$^{12}\text{C}(^{14}\text{N},8\text{Be})^{20}\text{F}$	$\sigma(\text{E})$		
10296	TAM Exth J PR/C	16 2249 D77	8.7+1	1.6+2	Stokstead+ TBL. CURV. INTAD.
		$^{12}\text{C}(^{14}\text{N},7\text{Li})^{19}\text{Ne}$	$\sigma(\text{E})$		
10297	TAM Exth J PR/C	16 2249 D77	8.7+1	1.6+2	Stokstead+ TBL. CURV. INTAD(NE19).
10298	YAL Revv C 74NASH	2 327 674	9.0+1		Stokstead. CURV.
		$^{12}\text{C}(^{14}\text{N},6\text{Li})^{20}\text{Ne}$	partial $\sigma(\text{E})$		
10299	YAL Revv C 74NASH	2 327 674	7.8+1		Stokstad. CURV. FUNC. OF TOT. ANG. MOM.
		$^{12}\text{C}(^{14}\text{N},6\text{Li})^{20}\text{Ne}$	$\sigma(\text{E})$		
10300	TAM Exth J PR/C	16 2249 D77	2.5+1	3.6+1	Stokstead+ TBL. INTAD. FRM NP/A 259,122
	Exth J PR/C	16 2249 D77	8.7+1	1.6+2	Stokstead+ TBL. CURV. INTAD(NE20).
10301	YAL Revv C 74NASH	2 327 674	9.0+1		Stokstead. CURV.
		$^{12}\text{C}(^{14}\text{N},x)^{21}\text{Ne}$	partial $\sigma(\text{E})$		
10302	YAL Revv C 74NASH	2 327 674	1.3+1	3.7+1	Stokstad. CURV. 0.350G.
		$^{12}\text{C}(^{14}\text{N},p+a)^{21}\text{Ne}$	$\sigma(\text{E})$		
10303	CAL Expt J NP/A	279 502 477	6.1+0	1.7+1	Switkoski+ CURV. FRM G-YLDS.
		$^{12}\text{C}(^{14}\text{N},x)^{21}\text{Na}$	partial $\sigma(\text{E})$		
10304	YAL Revv C 74NASH	2 327 674	2.1+1	3.7+1	Stokstad. CURV. 0.332G
		$^{12}\text{C}(^{14}\text{N},a)^{22}\text{Na}$	partial $\sigma(\text{E})$		
10305	PEN Expt J NP/A	306 229 878	3.0+1	4.6+1	Hallock+TBL.G.S.+4 LOW LVLS. INTAD(0-90)
10306	YAL Revv C 74NASH	2 327 674	7.8+1		Stokstad. CURV. FUNC. OF TOT. ANG. MOM.
	Revv C 74NASH	2 327 674	1.3+1	3.8+1	Stokstad. CURV. 0.583G.
		$^{12}\text{C}(^{14}\text{N},a)^{22}\text{Na}$	$\sigma(\text{E})$		
10307	CAL Expt J NP/A	279 502 477	6.1+0	1.7+1	Switkoski+ CURV. FRM G-YLDS.
		$^{12}\text{C}(^{14}\text{N},2p)^{24}\text{Ne}$	$\sigma(\text{E})$		
10308	CAL Expt J NP/A	279 502 477	6.1+0	1.7+1	Switkoski+ CURV. FRM G-YLDS.
		$^{12}\text{C}(^{14}\text{N},x)^{24}\text{Mg}$	partial $\sigma(\text{E})$		
10309	YAL Revv C 74NASH	2 327 674	1.3+1	3.7+1	Stokstad. CURV. 1.369+2.754G.
		$^{12}\text{C}(^{14}\text{N},n+p)^{24}\text{Mg}$	$\sigma(\text{E})$		
10310	CAL Expt J NP/A	279 502 477	6.1+0	1.7+1	Switkoski+ CURV. FRM G-YLDS.
		$^{12}\text{C}(^{14}\text{N},p)^{25}\text{Mg}$	partial $\sigma(\text{E})$		
10311	YAL Revv C 74NASH	2 327 674	7.8+1		Stokstad. CURV. FUNC. OF TOT. ANG. MOM.
	Revv C 74NASH	2 327 674	1.3+1	3.9+1	Stokstad. CURV. 0.390,0.473+0.585G.
		$^{12}\text{C}(^{14}\text{N},p)^{25}\text{Mg}$	$\sigma(\text{E})$		
10312	CAL Expt J NP/A	279 502 477	6.1+0	1.7+1	Switkoski+ CURV. FRM G-YLDS.
		$^{12}\text{C}(^{14}\text{N},n)^{26}\text{Al}$	$\sigma(\text{E})$		
10313	CAL Expt J NP/A	279 502 477	6.1+0	1.7+1	Switkoski+ CURV. FRM G-YLDS.
		$^{12}\text{C}(^{14}\text{N},y)^{26}\text{Al}$	$\sigma(\text{E})$		
10314	GRE Expt J PR/C	20 551 879	5.9+1	7.0+1	Viano+ TBL. UPPER LIM. KINEMATIC ANALYS
		$^{12}\text{C}(^{14}\text{N},x)$	charge distribution $\sigma(\text{E})$ factor		
10315	ORL Expt J PRL	43 26 779	NDG		Del-Campo+ CURV. FROM STOKSTAD+
	Expt J PR/C	19 2170 679	4.0+1	1.8+2	Del-Campo+ CURV. Z=5-12. FCT=1/SIG(FUS)
		$^{12}\text{C}(^{14}\text{N},x)$	charge distribution direct-interaction $\sigma(\text{E})$		
10316	ORL Expt J PR/C	19 2170 679	1.1+2	1.8+2	Del-Campo+ CURV. Z=5-8. FCT=1/SIG(FUS).
		$^{12}\text{C}(^{14}\text{N},x)$	charge distribution $\sigma(\text{E})$		
10317	ANL Expt J PR/C	20 1305 079	3.3+1	5.2+1	Kovar+ TBL. O.F.,NE,NA,MG,AL FROM ANG.
10318	ORL Expt J PRL	36 1529 676	8.6+1	1.7+2	Stokstad+ CURV. Z=5-12.
	Expt C 76ANL-2	2 795 476	8.6+1	1.7+2	Stokstad+ CURV. Z=5-12. E/ANGLE INTEG.
10319	ORL Expt J PR/C	19 2170 679	8.6+1	1.8+2	Del-Campo+ TBL. CURV. Z=3,4.

REFERENCES (cont.)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{12}\text{C}(^{14}\text{N},x)\text{charge distribution product yield}$					
10320	JCL Expt P A-JCL-77	39 D77 9.1+1			Motobayashi+ NDG. ANAL. IN PROGRESS
$^{12}\text{C}(^{14}\text{N},x)\text{charge distribution partial } \sigma(E)$					
10321	ORL Exth J PRL	36 1529 676 4.3+1 1.8+2			Stokstead+ NDG. EVAPORATION RES. INTAD.
	Exth J PRL	36 1529 676 8.6+1 1.7+2			Stokstead+ CURV. EXPT. CFD CALC. Z=5-13
10322	TAM Exth J PR/C	16 2249 077 8.7+1 1.6+2			Stokstead+ TBL. INTAD. 6L1+7L1.
	Exth J PR/C	16 2249 077 8.6+1			Stokstead+ TBL. INTAD. FRM PRL 36.1529
	Exth J PR/C	16 2249 077 8.7+1 1.6+2			Stokstead+ TBL. INTAD. 6BE+7BE.
	Exth J PR/C	16 2249 077 1.6+2			Stokstead+ TBL. INTAD. PC FROM BRK.
10323	BRK Expt J PL/B	70 289 077 1.6+2 2.5+2			Stokstead+ CURV. Z=5-11
$^{12}\text{C}(^{14}\text{N},x)\text{isotopic distribution compound-nucleus relative } \sigma(E)$					
10324	ORL Theo A BAP	21 657 76 NDG			Comp+ NDG. HAUSER-FESHBACH/MONTE-CARLO
$^{13}\text{C}(^{14}\text{N},x)\text{ compound-nucleus } \sigma(E)$					
10325	SAC Expt P CEA-N-2026	32 977 5.8+1			Conjeaud+FUS=980MB. CFD N14 AND N15+C12
$^{14}\text{N}(^{14}\text{N},x)\text{ compound-nucleus } \sigma(E)=\text{factor}$					
10326	MST Revv J ARN	28 115 078 8.2+0 2.1+1			Rolfs+CURV. FUSION S-FACTOR. PRL 37.888
10327	LYO Theo J ZP/A	285 333 78 9.2+0 2.0+1			Avishai+ CURV. S-FCT. CLOSED FORM. FUS.
10328	ORL Revv C 77TENN	22 77 9.2+0 2.1+1			Stokstead+CURV. 1/SIG(OM). NP/A 274.202
10329	CAL Expt J NP/A	279 502 477 9.6+0 2.2+1			Swilkowski+ CURV. S-FACTOR.
	Expt J PRL	37 888 76 5.0+0 1.6+1			Stokstead+ CURV. NUCLEAR S-FACTOR.
$^{14}\text{N}(^{14}\text{N},x)\text{ compound-nucleus } \sigma(E)$					
10330	ANL Expt P ANL-79-40	43 79 NDG			Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
10331	CAL Expt J NP/A	274 202 076 9.4+0 2.2+1			Swilkowski+ TBL. CURV. DED. FRM HMY PRD
$^{14}\text{N}(^{14}\text{N},^{13}\text{N})^{15}\text{N } \sigma(E)$					
10332	CAL Expt J NP/A	274 202 076 9.4+0 2.2+1			Swilkowski+ CURV. DEDUCED.
10333	IFJ Revv J NCR	1 78 9.5+0 1.4+1			Malacki+ CURV. FROM 2 REFERENCES.
$^{14}\text{N}(^{14}\text{N},^{13}\text{N})^{15}\text{N } \sigma(E)=\text{factor}$					
10334	BOC Exth C 77TOKYO	610 977 2.1+0 5.3+0			Uhlhorn+ CURV. S-FACTOR CFD TO EXP.
$^{16}\text{O}(^{14}\text{N},x)\text{ compound-nucleus } \sigma(E)$					
10335	SAC Exth J JPR	38 1179 077 1.1+1 3.4+1			Volant+ CURV. DEDUCED FROM J(CRIT).
10336	CAL Expt J NP/A	279 502 477 1.2+1 2.7+1			Swilkowski+ CURV. TBL. SUM OF EVAP RES
$^{16}\text{O}(^{14}\text{N},x)\text{ compound-nucleus } \sigma(E)=\text{factor}$					
10337	LYO Theo J ZP/A	285 333 78 1.1+1 2.2+1			Avishai+ CURV. S-FCT. CLOSED FORM. FUS.
10338	MST Revv J ARN	28 115 078 1.1+1 2.2+1			Rolfs+CURV. FUSION S-FACTOR. PRL 37.888
10339	ORL Revv C 77TENN	22 77 1.1+1 2.2+1			Stokstead+CURV. 1/SIG(OM). NP/A 279.502
10340	CAL Expt J NP/A	279 502 477 1.2+1 2.7+1			Swilkowski+ CURV. S-FCT. SUM EVAP RES
	Expt J PRL	37 888 76 4.4+0 1.4+1			Stokstead+ CURV. NUCLEAR S-FACTOR.
$^{16}\text{O}(^{14}\text{N},\text{absorption}) \sigma(E)$					
10341	SAC Exth J JPR	38 1179 077 1.1+1 3.4+1			Volant+ CURV. 2 SETS OF O.M. PARAMETERS
$^{16}\text{O}(^{14}\text{N},p+a)^{25}\text{Mg } \sigma(E)$					
10342	CAL Expt J NP/A	279 502 477 1.2+1 2.7+1			Swilkowski+ CURV. FRM G-YLDS.
$^{16}\text{O}(^{14}\text{N},\alpha)^{28}\text{Al } \sigma(E)$					
10343	CAL Expt J NP/A	279 502 477 1.2+1 2.7+1			Swilkowski+ CURV. FRM G-YLDS.
$^{16}\text{O}(^{14}\text{N},n+p)^{28}\text{Si } \sigma(E)$					
10344	CAL Expt J NP/A	279 502 477 1.2+1 2.7+1			Swilkowski+ CURV. FRM G-YLDS.
$^{16}\text{O}(^{14}\text{N},x)\text{charge distribution } \sigma(E)$					
10345	SAC Expt P CEA-N-2070	36 978 3.7+1 5.8+1			Conjeaud+ CURV. CFD. CASCADE MODEL.
$^{24}\text{Mg}(^{14}\text{N},^{10}\text{B})^{28}\text{Si } \text{partial product yield}$					
10346	CBR Expt A BAP	24 572 479 7.0+1			Zeller+ NDG. G.S. SEQUENTIAL TRANSFER.
$^{28}\text{Mg}(^{14}\text{N},^{10}\text{B})^{30}\text{Si } \text{partial product yield}$					
10347	CBR Expt A BAP	24 572 479 7.0+1			Zeller+ NDG. G.S. SEQUENTIAL TRANSFER.
$^{27}\text{Al}(^{14}\text{N},x)\text{ compound-nucleus } \sigma(E)$					
10348	PAR Revv J RPP	39 129 76 1.0+2 1.7+2			Lefort. TBL. SUM OF EVAP. RES.
	Revv C 74NASH	2 81 674 2.6+2			Lefort+ 945MB. PR/C 6.2133/74NASH,1,115

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
	$^{27}\text{Al}(^{14}\text{N},x)\gamma$ $\sigma(E)$				
10349	GRE Expt P	ISN-79-01	39	79 5.9+1	Cole+ TBL. FROM 0-DEG. MASS SPECTRA.
	$^{27}\text{Al}(^{14}\text{N},\gamma)^{41}\text{Ca}$ $\sigma(E)$				
10350	GRE Expt J	PR/C 20	551	879 5.9+1	Viano+ .LT. 25NB. KINEMATIC ANALYS.
	$^{27}\text{Al}(^{14}\text{N},x)$ charge distribution $\sigma(E)$				
10351	LYO Expt S	LYCEN-7902	379	1.0+2	Billerey+ P. S.3.1. Z=1,2 + DELTA Z=5.
	$\text{Si}(^{14}\text{N},x)n$ $\sigma(E)$				
10352	FSU Theo A	74NASH	1	52 674 1.6+1 7.5+1	Holub+ NDG. STAT. EVAP. CODE.
	$\text{Si}(^{14}\text{N},x)^1\text{H}$ $\sigma(E)$				
10353	FSU Theo A	74NASH	1	52 674 1.6+1 7.5+1	Holub+ NDG. STAT. EVAP. CODE.
	$\text{Si}(^{14}\text{N},x)^4\text{He}$ $\sigma(E)$				
10354	FSU Theo A	74NASH	1	52 674 1.6+1 7.5+1	Holub+ NDG. STAT. EVAP. CODE.
	$\text{Si}(^{14}\text{N},x)^7\text{Be}$ thick target yield*factor				
10355	FSU Expt J	PL/B 43	375	373 3.8+1 5.8+1	Holub+ CURV. ACTIV. FCT=THICKNESS
	$\text{Si}(^{14}\text{N},x)^{34}\text{Cl}$ thick target yield*factor				
10356	FSU Expt J	PL/B 43	375	373 2.5+1 5.8+1	Holub+ CURV. ACTIV. FCT=THICKNESS
	$\text{Si}(^{14}\text{N},x)^{38}\text{K}$ thick target yield*factor				
10357	FSU Expt J	PL/B 43	375	373 3.0+1 5.8+1	Holub+ CURV. ACTIV. FCT=THICKNESS
	$\text{Si}(^{14}\text{N},x)^{42}\text{K}$ thick target yield*factor				
10358	FSU Expt J	PL/B 43	375	373 2.5+1 5.8+1	Holub+ CURV. ACTIV. FCT=THICKNESS
	$^{30}\text{Si}(^{14}\text{N},\text{absorption})$ $\sigma(E)$				
10359	FSU Exth J	PR/C 13	661	76 4.0+1 6.2+1	Zeller+ CURV. PARABOLIC BARRIER APP.
	$^{30}\text{Si}(^{14}\text{N},x)\gamma$ $\sigma(E)$				
10360	GRE Expt P	ISN-79-01	39	79 5.9+1 7.0+1	Cole+ TBL. FROM 0-DEG. MASS SPECTRA.
	$^{30}\text{Si}(^{14}\text{N},n)^{43}\text{Sc}$ thick target yield				
10361	FSU Exth J	PR/C 13	661	76 4.0+1 6.2+1	Zeller+ CURV. 5 POINTS.
	$^{30}\text{Si}(^{14}\text{N},n)^{43}\text{Sc}$ $\sigma(E)$				
10362	FSU Exth J	PR/C 13	661	76 4.0+1 6.2+1	Zeller+ CURV. DEDUCED FROM TTY.
	$^{30}\text{Si}(^{14}\text{N},\gamma)^{44}\text{Sc}$ $\sigma(E)$				
10363	GRE Expt J	PR/C 20	551	879 5.9+1 7.0+1	Viano+ TBL. UPPER LIM. KINEMATIC ANALYS
	$^{30}\text{Si}(^{14}\text{N},x)^{44}\text{Sc}$ $\sigma(E)$				
10364	FSU Exth J	PR/C 13	661	76 4.0+1 6.2+1	Zeller+ CURV. DEDUCED FROM TTY.
	$^{30}\text{Si}(^{14}\text{N},\gamma)^{44}\text{Sc}$ thick target yield				
10365	FSU Exth J	PR/C 13	661	76 4.0+1 6.2+1	Zeller+ CURV. 5 POINTS.
	$^{30}\text{Si}(^{14}\text{N},x)$ mass distribution $\sigma(E)$				
10366	GRE Expt J	PR/C 20	551	879 7.0+1	Viano+ .LT. 25NB. MASS=1. KIN. ANALYSIS
	Expt P	ISN-79-01	39	79 7.0+1	Cole+ TBL. FROM 0-DEG. MASS SPECTRA.
	$^{40}\text{Ca}(^{14}\text{N},^{13}\text{N})^{41}\text{Ca}$ $\sigma(E)$				
10367	IFJ Revu J	NCR	1	78 1.9+1 2.8+1	Malecki+ CURV. FROM 2 REFERENCES.
	$^{40}\text{Ca}(^{14}\text{N},x)^{42}\text{Sc}$ product yield				
10368	STB Expt J	PR/C 19	1938	579 2.9+1 5.5+1	Geesaman+ CURV. DELAYED G-MEASUREMENT.
	$^{40}\text{Ca}(^{14}\text{N},x)^{48}\text{V}$ partial $\sigma(E)$				
10369	PAD Expt J	NP/A 299	479	578 2.8+1 5.6+1	Fortuna+ CURV. 0.628MEV G. MUNICH VOGT.
	$^{40}\text{Ca}(^{14}\text{N},x)^{48}\text{Cr}$ partial $\sigma(E)$				
10370	PAD Expt J	NP/A 299	479	578 2.8+1 5.6+1	Fortuna+ CURV. 1.106MEV G. MUNICH VOGT.
	$^{40}\text{Ca}(^{14}\text{N},x)^{48}\text{Cr}$ partial $\sigma(E)$				
10371	PAD Expt J	NP/A 299	479	578 2.8+1 5.6+1	Fortuna+ CURV. 0.479MEV G. MUNICH VOGT.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		$^{40}\text{Ca}(^{14}\text{N},x)^{50}\text{Cr}$				partial product yield
10372	STB Expt J PR/C	19 1938 579 2.9+1 3.8+1			Geesaman+	CURV. ON-LINE. EG=783KEV.
		$^{40}\text{Ca}(^{14}\text{N},x)^{50}\text{Cr}$				partial $\sigma(E)$
10373	PAD Expt J NP/A	299 479 578 2.8+1 5.6+1			Fortuna+	CURV. 0.783MEV G. MUNICH VDGT.
		$^{40}\text{Ca}(^{14}\text{N},x)^{51}\text{Cr}$				partial $\sigma(E)$
10374	PAD Expt J NP/A	299 479 578 2.8+1 5.6+1			Fortuna+	CURV. 0.775MEV G. MUNICH VDGT.
		$^{40}\text{Ca}(^{14}\text{N},3p)^{51}\text{Cr}$				partial product yield
10375	STB Expt J PR/C	19 1938 579 2.9+1 3.8+1			Geesaman+	CURV. ON-LINE. EG=775KEV.
		$^{40}\text{Ca}(^{14}\text{N},x)^{50}\text{Mn}$				product yield
10376	STB Expt J PR/C	19 1938 579 2.9+1 5.5+1			Geesaman+	CURV. DELAYED G-MEASUREMENT.
		$^{40}\text{Ca}(^{14}\text{N},x)^{51}\text{Mn}$				partial product yield
10377	STB Expt J PR/C	19 1938 579 2.9+1 3.8+1			Geesaman+	CURV. ON-LINE. 237KEV.
		$^{40}\text{Ca}(^{14}\text{N},x)^{51}\text{Mn}$				partial $\sigma(E)$
10378	PAD Expt J NP/A	299 479 578 2.8+1 5.6+1			Fortuna+	CURV. 0.869MEV G. MUNICH VDGT.
		$^{40}\text{Ca}(^{14}\text{N},n+2p)^{51}\text{Mn}$				relative I_γ
10379	PEN Expt J NP/A	277 137 277 3.6+1			Noe+	TBL. 12 G'S. FRM LEG. POLY. FIT
		$^{40}\text{Ca}(^{14}\text{N},n+2p)^{51}\text{Mn}$				partial $\sigma(E)$
10380	PAD Expt J NP/A	299 479 578 2.8+1 5.6+1			Fortuna+	CURV. 15 GS. MUNICH VDGT.
		$^{40}\text{Ca}(^{14}\text{N},x)^{52}\text{Mn}$				partial product yield
10381	STB Expt J PR/C	19 1938 579 2.9+1 3.8+1			Geesaman+	CURV. ON-LINE. EG=870KEV.
		$^{40}\text{Ca}(^{14}\text{N},x)^{52}\text{Mn}$				partial $\sigma(E)$
10382	PAD Expt J NP/A	299 479 578 2.8+1 4.2+1			Fortuna+	CURV. 0.849+1.106MEV G. MUN VDGT
		$^{40}\text{Ca}(^{14}\text{N},x)^{52}\text{Fe}$				partial product yield
10383	STB Expt J PR/C	19 1938 579 2.9+1 3.8+1			Geesaman+	CURV. ON-LINE. EG=849KEV.
		$^{40}\text{Ca}(^{14}\text{N},x)^{52}\text{Fe}$				partial $\sigma(E)$
10384	PAD Expt J NP/A	299 479 578 2.8+1 4.2+1			Fortuna+	CURV. 0.732MEV G. MUNICH VDGT.
		$^{40}\text{Ca}(^{14}\text{N},x)^{52}\text{Fe}$				product yield
10385	STB Expt J PR/C	19 1938 579 2.9+1 5.5+1			Geesaman+	CURV. DELAYED G-MEASUREMENT.
		$^{50}\text{Cr}(^{14}\text{N},x)^4\text{He}$				direct-interaction $\sigma(E)$
10386	GRE Exth P ISN-77-01	58 76 7.1+1 1.0+2			Billerey+	TBL.
	Exth P LYCEN-7701	15 76 7.1+1 1.0+2			Billerey+	TBL.
		$^{50}\text{Cr}(^{14}\text{N},x)^{5}\text{Li}$				$\sigma(E)$ =factor
10387	LYO Theo J ZP/A	285 389 78 7.1+1 1.0+2			Billerey+	TBL. RATIO L16/L17.
		$^{50}\text{Cr}(^{14}\text{N},x)^7\text{Li}$				$\sigma(E)$ =factor
10388	LYO Theo J ZP/A	285 389 78 7.1+1 1.0+2			Billerey+	TBL. RATIO L16/L17.
		$^{50}\text{Cr}(^{14}\text{N},x)^{10}\text{B}$				$\sigma(E)$ =factor
10389	LYO Theo J ZP/A	285 389 78 7.1+1 1.0+2			Billerey+	TBL. RATIO B10/B11.
		$^{50}\text{Cr}(^{14}\text{N},x)^{11}\text{B}$				$\sigma(E)$ =factor
10390	LYO Theo J ZP/A	285 389 78 7.1+1 1.0+2			Billerey+	TBL. RATIO B10/B11.
		$^{50}\text{Cr}(^{14}\text{N},x)^{12}\text{C}$				$\sigma(E)$ =factor
10391	LYO Theo J ZP/A	285 389 78 7.1+1 1.0+2			Billerey+	TBL. RATIO C12/C13.
		$^{50}\text{Cr}(^{14}\text{N},x)^{13}\text{C}$				$\sigma(E)$ =factor
10392	LYO Theo J ZP/A	285 389 78 7.1+1 1.0+2			Billerey+	TBL. RATIO C12/C13.
		$^{50}\text{Cr}(^{14}\text{N},x)$				charge distribution $\sigma(E)$
10393	LYO Theo J ZP/A	285 389 78 7.1+1 1.0+2			Billerey+	CURV. Z=2-12. CLASS.-STAT.
	Theo R LYCEN-7780	N77 7.1+1 1.0+2			Billerey+	CURV. Z=2-12. CFD EXP.
		$^{52}\text{Cr}(^{14}\text{N},x)$				compound-nucleus $\sigma(E)$
10394	PAR Revv J RPP	39 129 76 1.2+2 2.1+2			Lefort.	TBL. SUM OF EVAP. RES.
	Revv C 74NASH	2 81 674 2.6+2			Lefort+	1224MB. 74NASH 1,115(74).

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{52}\text{Cr}(^{14}\text{N},^{13}\text{C})^{53}\text{Mn}$			$\sigma(E)$ =factor
10395	LYO Theo R LYCEN-7780	N77	7.1+1	1.0+2	Billerey+ TBL. C12/C13 RATIO CFD EXP.
		$^{52}\text{Cr}(^{14}\text{N},^{12}\text{C})^{54}\text{Mn}$			$\sigma(E)$ =factor
10396	LYO Theo R LYCEN-7780	N77	7.1+1	1.0+2	Billerey+ TBL. C12/C13 RATIO CFD EXP.
		$^{52}\text{Cr}(^{14}\text{N},^{11}\text{B})^{55}\text{Fe}$			$\sigma(E)$ =factor
10397	LYO Theo R LYCEN-7780	N77	7.1+1	1.0+2	Billerey+ TBL. B10/B11 RATIO CFD EXP.
		$^{52}\text{Cr}(^{14}\text{N},^{10}\text{B})^{56}\text{Fe}$			$\sigma(E)$ =factor
10398	LYO Theo R LYCEN-7780	N77	7.1+1	1.0+2	Billerey+ TBL. B10/B11 RATIO CFD EXP.
		$^{52}\text{Cr}(^{14}\text{N},^9\text{Be})^{57}\text{Co}$			$\sigma(E)$ =factor
10399	LYO Theo R LYCEN-7780	N77	7.1+1	1.0+2	Billerey+ TBL. BE7/BE9 RATIO CFD EXP.
		$^{52}\text{Cr}(^{14}\text{N},^7\text{Be})^{59}\text{Co}$			$\sigma(E)$ =factor
10400	LYO Theo R LYCEN-7780	N77	7.1+1	1.0+2	Billerey+ TBL. BE7/BE9 RATIO CFD EXP.
		$^{52}\text{Cr}(^{14}\text{N},^7\text{Li})^{59}\text{Ni}$			$\sigma(E)$ =factor
10401	LYO Theo R LYCEN-7780	N77	7.1+1	1.0+2	Billerey+ TBL. L16/L17 RATIO CFD EXP.
		$^{52}\text{Cr}(^{14}\text{N},^6\text{Li})^{60}\text{Ni}$			$\sigma(E)$ =factor
10402	LYO Theo R LYCEN-7780	N77	7.1+1	1.0+2	Billerey+ TBL. L16/L17 RATIO CFD EXP.
		$^{52}\text{Cr}(^{14}\text{N},2n+2p)^{62}\text{Cu}$			relative i_y
10403	GRE Expt J NP/A 293	207 077	5.0+1	7.5+1	Ung-Chan+ NDG.
	Expt J NP/A 293	207 077	6.5+1		Ung-Chan+ TBL. CFD (P,N), (P,NP), (A,NP)
		$^{53}\text{Cr}(^{14}\text{N},x)$			partial relative $\sigma(E)$
10404	TSU Revv C 76ANL-2	2 625 476	9.0+1		Katori+ CURV. FUNC. OF NUCLEONS REMOVED
		$\text{Fe}(^{14}\text{N},x)$ isotopic distribution			$\sigma(E)$
10405	HAR Expt P AERE-PR/NP-26	379	NDG		Conient+ NDG. P. 62.
		$^{56}\text{Fe}(^{14}\text{N},x)$ isotopic distribution			partial product yield
10406	NOT Expt P A-IPS-75	67 76	NDG		Chagnon+ NDG. OPT. PROD. OF HIGH-SPIN
		$^{59}\text{Co}(^{14}\text{N},4n)^{69}\text{Se}$			relative i_y
10407	YAL Expt J JIN	38 2139 76	5.5+1	1.2+2	La-Brecque+CURV.6 G'S. (SE69+AS69)PK=100
		$^{59}\text{Co}(^{14}\text{N},3n)^{70}\text{Se}$			relative $\sigma(E)$
10408	YAL Expt J JIN	38 2139 76	+1	1.2+2	La-Brecque+ NDG. PEAK AT 80MEV.
		$^{59}\text{Co}(^{14}\text{N},x)$ isotopic distribution			product yield
10409	OSA Expt P A-RCNP-78	120 79	1.0+2		Nakabushi+ NDG. GA + GE ISOTOPES.
		$\text{Ni}(^{14}\text{N},x)$ compound-nucleus			$\sigma(E)$ =factor
10410	PAR Revv J JPRC	37 57 N76	2.5+1	3.0+2	Lefort. CURV.
		$^{58}\text{Ni}(^{14}\text{N},x)$ compound-nucleus			$\sigma(E)$
10411	PAR Revv J RPP	39 129 76	1.3+2	2.1+2	Lefort. TBL. SUM OF EVAP. RES.
	Revv C 74NASH	2 81 674	2.6+2		Lefort+ 1563MB. 74NASH 1,115(74).
		$\text{Cu}(^{14}\text{N},x)$ compound-nucleus			$\sigma(E)$ =factor
10412	JCL Expt C 77TOKYO	667 977	7.8+1	1.2+2	Fukuda+ CURV. CFD. NEWTONIAN CALC.
		$\text{Zr}(^{14}\text{N},x)$ isotopic distribution			product yield
10413	PUR Expt J PR/C	20 1350 079	4.3+1	5.5+1	Popli+ NDG. IN-BEAM G.
		$\text{Zr}(^{14}\text{N},x)$ isotopic distribution			relative $\sigma(E)$
10414	PUR Expt J PR/C	20 1350 079	4.9+1		Popli+ TBL. IN-BEAM G.
		$^{93}\text{Nb}(^{14}\text{N},x)$ compound-nucleus			$\sigma(E)$ =factor
10415	JCL Expt C 77TOKYO	667 977	7.8+1	1.2+2	Fukuda+ CURV. CFD. NEWTONIAN CALC.
		$^{93}\text{Nb}(^{14}\text{N},x)_y$			partial v
10416	JCL Expt C 77TOKYO	702 977	9.5+1	1.2+2	Numao+NDG.G-MULT. OF Q-EL+DEEP INL. PRD
		$\text{Mo}(^{14}\text{N},x)$ isotopic distribution			product yield
10417	LVN Expt S CERN-76-13	51 676	7.2+1		Coussement+ NDG. LISOL.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
		⁹⁸ Mo(¹⁴ N,x) partial relative σ(E)			
10418	TSU Revv C	76ANL-2 2 625 476	9.6+1		Katori+ CURV. FUNC. OF NUCLEONS REMOVED
		¹⁰³ Rh(¹⁴ N,x) compound-nucleus σ(E)			
10419	PAR Revv J RPP	39 129 76	7.1+1	1.1+2	Lefort. TBL. SUM OF EVAP. RES.
	Revv C	74NASH 2 81 674	8.2+1	1.2+2	Lefort+ NDG. PR/C 9,1126(74).
	Expt J PR/C	9 1126 374	8.1+1	1.2+2	Gallin+ TBL. FUSION. FROM EVAP. RES.
		¹⁰³ Rh(¹⁴ N,x) compound-nucleus σ(E)×factor			
10420	NBI Revv C	73TRIEST 1 295 973	8.2+1	1.2+2	Siemens. TBL. L(CRIT) FRM LEFORT COMPIL
		¹⁰³ Rh(¹⁴ N,absorption) σ(E)			
10421	PAR Expt J PR/C	9 1126 374	8.1+1	1.2+2	Gallin+ TBL. OPTICAL MODEL.
		¹⁰³ Rh(¹⁴ N,x) ¹ H σ(E)			
10422	PAR Expt J PR/C	9 1126 374	8.1+1	1.2+2	Gallin+ TBL. ENERGY/ANGLE INTEGRATED.
		¹⁰³ Rh(¹⁴ N,x) ¹ H σ(E)×factor			
10423	PAR Expt J PR/C	9 1126 374	8.1+1	1.2+2	Gallin+ TBL. RATIO A/P.
		¹⁰³ Rh(¹⁴ N,x) ² H σ(E)			
10424	PAR Expt J PR/C	9 1126 374	8.1+1	1.2+2	Gallin+ TBL. ENERGY/ANGLE INTEGRATED.
		¹⁰³ Rh(¹⁴ N,x) ³ H σ(E)			
10425	PAR Expt J PR/C	9 1126 374	8.1+1	1.2+2	Gallin+ TBL. ENERGY/ANGLE INTEGRATED.
		¹⁰³ Rh(¹⁴ N,x) ⁴ He σ(E)			
10426	PAR Expt J PR/C	9 1126 374	8.1+1	1.2+2	Gallin+ TBL. ENERGY/ANGLE INTEGRATED.
		¹⁰³ Rh(¹⁴ N,x) ⁴ He σ(E)×factor			
10427	PAR Expt J PR/C	9 1126 374	8.1+1	1.2+2	Gallin+ TBL. RATIO A/P.
		Ag(¹⁴ N,x) σ(E)			
10428	PAR Revv J RPP	39 129 76	7.8+1	1.1+2	Lefort. TBL. SUM Z=3-9/A=6-18 INC. FUS+QE
		Ag(¹⁴ N,x) isotopic distribution partial σ(E)			
10429	PAR Revv J RPP	39 129 76	7.8+1	1.1+2	Lefort. TBL. Z=3-9/A=6-18. INC. FUS. + QE.
		Ag(¹⁴ N,x) isotopic distribution σ(E)			
10430	LYO Theo J ZP/A	285 389 78	7.8+1	1.1+2	Billerey+ CURV. 20 PROD. CLASS--STAT.
	Theo R LYCEN-7780	N77 7.8+1	1.1+2	Billerey+ CURV. 20 ISOTOPEs. L16-F18	
		¹⁰⁷ Ag(¹⁴ N,x) compound-nucleus σ(E)			
10431	PAR Revv J NIM	146 225 077	7.8+1	2.5+2	Peter. TBL. 2 REFERENCES.
	Revv J RPP	39 129 76	6.9+1		Lefort. TBL. SUM OF EVAP. RES.
	Revv C	74NASH 2 81 674	7.8+1		Lefort+ 985MB. JPR 32,7(71).
		¹⁰⁷ Ag(¹⁴ N,x) σ(E)			
10432	PAR Revv J NIM	146 225 077	7.8+1	2.5+2	Peter. TBL. QUASI-FISSION. 2 REFERENCES
		¹⁰⁷ Ag(¹⁴ N,x) σ(E)×factor			
10433	PAR Revv J NIM	146 225 077	7.8+1	2.5+2	Peter. TBL. QUASI-F/ABS. 2 REFERENCES.
		¹⁰⁷ Ag(¹⁴ N,absorption) σ(E)			
10434	PAR Revv J NIM	146 225 077	7.8+1	2.5+2	Peter. TBL. 2 REFERENCES.
		¹⁰⁹ Ag(¹⁴ N,x) σ(E)			
10435	PAR Revv J NIM	146 225 077	7.8+1	2.5+2	Peter. TBL. QUASI-FISSION. 2 REFERENCES
		¹⁰⁹ Ag(¹⁴ N,x) compound-nucleus σ(E)			
10436	PAR Revv J NIM	146 225 077	7.8+1	2.5+2	Peter. TBL. 2 REFERENCES
		¹⁰⁹ Ag(¹⁴ N,x) σ(E)×factor			
10437	PAR Revv J NIM	146 225 077	7.8+1	2.5+2	Peter. TBL. QUASI-F/ABS. 2 REFERENCES.
		¹⁰⁹ Ag(¹⁴ N,absorption) σ(E)			
10438	PAR Revv J NIM	146 225 077	7.8+1	2.5+2	Peter. TBL. 2 REFERENCES.
		¹⁰⁶ Cd(¹⁴ N,2n+p) ¹¹⁷ Xe I _γ			
10439	SUB Expt A BAP	23 556 478	NDG		Garg+ NDG. GAMMA EXCITATION FUNC.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
¹¹⁰ Cd(¹⁴ N,3n) ¹²¹ Cs	partial product yield			
10440 STB Expt A DA/B	39 4948 479 NDG			Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
¹¹¹ Cd(¹⁴ N,3n) ¹²² Cs	partial product yield			
10441 STB Expt A DA/B	39 4948 479 NDG			Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
¹¹² Cd(¹⁴ N,3n) ¹²³ Cs	partial product yield			
10442 STB Expt A DA/B	39 4948 479 NDG			Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
¹¹³ Cd(¹⁴ N,3n) ¹²⁴ Cs	partial product yield			
10443 STB Expt A DA/B	39 4948 479 NDG			Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
¹¹⁴ Cd(¹⁴ N,3n) ¹²⁵ Cs	partial product yield			
10444 STB Expt A DA/B	39 4948 479 NDG			Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
¹⁴¹ Pr(¹⁴ N,5n) ¹⁵⁰ Dy	σ(E)			
10445 ORL Exth P ORNL-5025	48 75 9.2+1			Schmidt-Ott+ (619+-70) OR (348+-32)MB
Expt A 74NASH	1 76 674 9.2+1			Schmidt-Ott. ALPHA ACT. TBL.
¹⁴¹ Pr(¹⁴ N,5n) ¹⁵⁰ Dy	relative σ(E)			
10446 ORL Exth P ORNL-5025	48 75 5.8+1 9.8+1			Schmidt-Ott+ CURV.
¹⁴¹ Pr(¹⁴ N,4n) ¹⁵¹ Dy	σ(E)			
10447 ORL Exth P ORNL-5025	48 75 9.2+1			Schmidt-Ott+ (86+-11) OR (89+-9)MB
Expt A 74NASH	1 76 674 9.2+1			Schmidt-Ott. ALPHA ACT. TBL.
¹⁴¹ Pr(¹⁴ N,4n) ¹⁵¹ Dy	relative σ(E)			
10448 ORL Exth P ORNL-5025	48 75 5.8+1 9.8+1			Schmidt-Ott+ CURV.
¹⁴² Nd(¹⁴ N,5n) ¹⁵¹ Ho	relative σ(E)			
10449 ORL Exth P ORNL-5025	48 75 5.8+1 9.8+1			Schmidt-Ott+ CURV.
¹⁴² Nd(¹⁴ N,5n) ¹⁵¹ Ho	σ(E)			
10450 ORL Exth P ORNL-5025	48 75 7.3+1 7.9+1			Schmidt-Ott+ (9+-3)MB AND (18+-6)MB.
¹⁴² Nd(¹⁴ N,5n) ¹⁵¹ Ho	relative σ(E)			
10451 ORL Exth P ORNL-5025	48 75 5.8+1 9.8+1			Schmidt-Ott+ CURV.
¹⁴² Nd(¹⁴ N,5n) ¹⁵¹ Ho	σ(E)			
10452 ORL Exth P ORNL-5025	48 75 7.3+1 7.9+1			Schmidt-Ott+ (13+-4)MB AND (74+-25)MB
¹⁴² Nd(¹⁴ N,4n) ¹⁵² Ho	relative σ(E)			
10453 ORL Exth P ORNL-5025	48 75 5.8+1 9.8+1			Schmidt-Ott+ CURV.
¹⁴² Nd(¹⁴ N,4n) ¹⁵² Ho	σ(E)			
10454 ORL Exth P ORNL-5025	48 75 7.3+1 7.9+1			Schmidt-Ott+ (141+-27)MB AND (62+-12)MB
¹⁴² Nd(¹⁴ N,4n) ¹⁵² Ho	relative σ(E)			
10455 ORL Exth P ORNL-5025	48 75 5.8+1 9.8+1			Schmidt-Ott+ CURV.
¹⁴² Nd(¹⁴ N,4n) ¹⁵² Ho	σ(E)			
10456 ORL Exth P ORNL-5025	48 75 7.3+1 7.9+1			Schmidt-Ott+ (443+-99)MB + (467+-103)MB
¹⁴⁵ Nd(¹⁴ N,4n) ¹⁵⁵ Ho	partial relative σ(E)			
10457 GRE Expt J NP/A 324	182 779 6.5+1 8.6+1			Foin+ NDG. OPTIMUM AT 72 MEV.
Expt J NP/A 324	182 779 7.2+1			Foin+ TBL. 29 GS. ALSO A2/A0.
¹⁵⁹ Tb(¹⁴ N,x)	compound-nucleus σ(E) x factor			
10458 JCL Expt C 7710KYO	667 977 7.8+1 1.2+2			Fukuda+ CURV. CFD. NEWTONIAN CALC.
¹⁵⁹ Tb(¹⁴ N,x)y	partial v			
10459 JCL Expt P A-JCL-78	71 79 9.5+1			Kojima+ TBL. DELTA EA= 4 + TOT. FRWD+BK
¹⁵⁹ Tb(¹⁴ N,x) ⁴ He	partial v _y			
10460 TAM Expt A BAP	24 835 979 9.5+1			Inamura+ NDG. FAST ALPHAS.
¹⁵⁹ Tb(¹⁴ N,5n+α) ¹⁶⁴ Yb	v _y			
10461 JCL Expt J PL/B 84	71 679 9.5+1			Inamura+ TBL. EA=14-43,3MEV STEPS+TOTAL
Expt J PL/B 84	71 679 9.5+1			Inamura+ CURV. FUNCT. OF L(A)

REFERENCES(cont)

No.	Lab	Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
			$^{159}\text{Tb}(^{14}\text{N},5n+g)^{184}\text{Yb}$	partial ν_γ		
10462	JCL	Expt P A-JCL-78	71	79	9.5+1	Kojima+ TBL. DELTA EA= 4 + TOT. FRWD+BK
			$^{159}\text{Tb}(^{14}\text{N},5n+g)^{184}\text{Yb}$	partial compound-nucleus relative $\sigma(E)$		
10463	JCL	Expt J PL/B	68	51	577 9.4+1	Inamura+ CURV.
			$^{159}\text{Tb}(^{14}\text{N},\alpha+x)^{184}\text{Yb}$	partial relative $\sigma(E)$		
10464	TAM	Expt J PRL	41	92	778 1.2+2	Zolnowski+ TBL. EA=35-39MEV. 8 TRANS.
		Expt J PRL	41	92	778 1.2+2	Zolnowski+ CURV. SIDE-FEEDING IN YRAST
			$^{159}\text{Tb}(^{14}\text{N},4n+g)^{185}\text{Yb}$	ν_γ		
10465	JCL	Expt J PL/B	84	71	679 9.5+1	Inamura+ TBL. EA=14-43,3MEV STEPS+TOTAL
		Expt J PL/B	84	71	679 9.5+1	Inamura+ CURV. FUNCT. OF L(A)
			$^{159}\text{Tb}(^{14}\text{N},4n+g)^{185}\text{Yb}$	partial ν_γ		
10466	JCL	Expt P A-JCL-78	71	79	9.5+1	Kojima+ TBL. DELTA EA= 4 + TOT. FRWD+BK
			$^{159}\text{Tb}(^{14}\text{N},4n+g)^{185}\text{Yb}$	partial direct-interaction relative $\sigma(E)$		
10467	JCL	Expt J PL/B	68	51	577 9.4+1	Inamura+ CURV.
			$^{159}\text{Tb}(^{14}\text{N},4n+g)^{185}\text{Yb}$	partial compound-nucleus relative $\sigma(E)$		
10468	JCL	Expt J PL/B	68	51	577 9.4+1	Inamura+ CURV.
			$^{159}\text{Tb}(^{14}\text{N},3n+g)^{186}\text{Yb}$	ν_γ		
10469	JCL	Expt J PL/B	84	71	679 9.5+1	Inamura+ TBL. EA=14-43,3MEV STEPS+TOTAL
			$^{159}\text{Tb}(^{14}\text{N},3n+g)^{186}\text{Yb}$	partial ν_γ		
10470	JCL	Expt P A-JCL-78	71	79	9.5+1	Kojima+ TBL. DELTA EA= 4 + TOT. FRWD+BK
			$^{159}\text{Tb}(^{14}\text{N},3n+g)^{186}\text{Yb}$	partial direct-interaction relative $\sigma(E)$		
10471	JCL	Expt J PL/B	68	51	577 9.4+1	Inamura+ CURV.
			$^{159}\text{Tb}(^{14}\text{N},3n+g)^{186}\text{Yb}$	partial compound-nucleus relative $\sigma(E)$		
10472	JCL	Expt J PL/B	68	51	577 9.4+1	Inamura+ CURV.
			$^{159}\text{Tb}(^{14}\text{N},5n)^{188}\text{Hf}$	partial compound-nucleus relative $\sigma(E)$		
10473	JCL	Expt J PL/B	68	51	577 9.4+1	Inamura+ CURV.
			$^{159}\text{Tb}(^{14}\text{N},x)$	isotopic distribution relative I_γ		
10474	JCL	Expt C 7710KYO	735	977	9.5+1	Inamura+CURV.GS AFTER FAST A + CN FORM.
			$^{176}\text{Yb}(^{14}\text{N},7n+p)^{182}\text{Os}$	partial $\sigma(E)$ factor		
10475	OSA	Exth C 7710KYO	728	977	1.2+2	Ejiri+ CURV. P8(B)/P8(D) RATIO
			$^{181}\text{Ta}(^{14}\text{N},x)^{184}\text{Pt}$	product yield		
10476	MAN	Expt J JIN	27	759	65 1.4+2	Qaim. NDG. RADIOCHEM.
			$^{181}\text{Ta}(^{14}\text{N},x)^{185}\text{Pt}$	product yield		
10477	MAN	Expt J JIN	27	759	65 1.4+2	Qaim. NDG. RADIOCHEM.
			$^{181}\text{Ta}(^{14}\text{N},x)^{186}\text{Pt}$	product yield		
10478	MAN	Expt J JIN	27	759	65 1.4+2	Qaim. NDG. RADIOCHEM.
			$^{181}\text{Ta}(^{14}\text{N},x)^{187}\text{Pt}$	product yield		
10479	MAN	Expt J JIN	27	759	65 1.4+2	Qaim. NDG. RADIOCHEM.
			$^{181}\text{Ta}(^{14}\text{N},x)^{188}\text{Pt}$	product yield		
10480	MAN	Expt J JIN	27	759	65 1.4+2	Qaim. NDG. RADIOCHEM.
			$^{181}\text{Ta}(^{14}\text{N},x)^{201}\text{Po}$	product yield		
10481	ORL	Expt A BAP	22	996	977 NDG	Western+ NDG.
			$^{181}\text{Ta}(^{14}\text{N},x)^{201}\text{Po}$	product yield		
10482	ORL	Expt A BAP	22	996	977 NDG	Western+ NDG.
			$^{187}\text{Au}(^{14}\text{N},xn)$	isotopic distribution raw $\sigma(E)$		
10483	BNL	Expt J NIM	148	93	78 8.0+2	Tsoupas+ CURV. X=4-6. ODEG. EMS.
			$\text{Pb}(^{14}\text{N},x)$	compound-nucleus $\sigma(E)$		
10484	IMP	Expt J ASI	2	151	378 8.4+1 9.4+1	Chi-Chang+ TBL. CURV. FUS=EVAP. RES.+F.

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
Pb(¹⁴ N,x) partial σ(E)				
10485 IMP Expt J ASI	2	151	378 8.4+1	9.4+1 Chi-Chang+ TBL. CURV. SUM OF EVAP. RES.
Pb(¹⁴ N,fission) σ(E)				
10486 IMP Expt J ASI	2	151	378 8.4+1	9.4+1 Chi-Chang+ TBL. CURV. CFD OTHER.
²⁰⁷ Pb(¹⁴ N,4n) ²¹⁷ Ac σ(E)				
10487 JCL Expt J NP/A 217	253	73	7.0+1	9.6+1 Nomura+ NDG.
²⁰⁷ Pb(¹⁴ N,x)isotopic distribution σ(E)				
10488 YAL Expt C 71ALBANY	497	71	NDG	Gough+ NDG.
²⁰⁸ Pb(¹⁴ N,xn)isotopic distribution σ(E)				
10489 JCL Expt J NP/A 217	253	73	7.0+1	9.6+1 Nomura+ NDG.
²⁰⁸ Bi(¹⁴ N,x) partial compound-nucleus σ(E)				
10490 PAR Exth T D. GARDES		D76	9.9+1	Gardes. CURV. FUNC. OF L-TRANS.
²⁰⁸ Bi(¹⁴ N,x) partial σ(E)				
10491 JAP Expt J PRL	40	694	378 8.5+1	9.5+1 Nomura+TBL. SUM Z=3-8. COUNT. TEL. (20-170
10492 PAR Exth T D. GARDES		D76	9.9+1	Gardes. CURV. QUASI-ELAS. FUNC. OF L-TRANS
²⁰⁸ Bi(¹⁴ N,x) compound-nucleus σ(E)				
10493 JCL Expt C 77TOKYO		736 977	8.5+1	9.5+1 Nomura+ HEAVY RESIDUES APP. SMB.
²⁰⁸ Bi(¹⁴ N,x) σ(E)				
10494 JCL Expt J PRL	40	694	378 8.5+1	Nomura+ TBL. Z=3 TO 8. INTAD.
Expt J NP/A 217	253	73	NDG	. EXPERIMENTAL DETAILS.
²⁰⁸ Bi(¹⁴ N,fission) σ(E) fission fragments				
10495 JCL Expt P A-JCL-77		63 D77	8.5+1	9.5+1 Utsunomiya+ TBL. FROM DA/DE.
²⁰⁸ Bi(¹⁴ N,fission) σ(E)				
10496 JCL Expt J PRL	40	694	378 8.5+1	9.5+1 Nomura+ TBL. INTAD(10-170). SI(LI).
Expt C 77TOKYO		736 977	8.5+1	9.5+1 Nomura+ (820+-50)MB.
Expt J NP/A 217	253	73	NDG	. EXPERIMENTAL DETAILS.
²⁰⁸ Bi(¹⁴ N,x) ⁴ He σ(E)				
10497 JCL Expt J PRL	40	694	378 8.5+1	9.5+1 Nomura+ TBL. COUNTER TEL. (20-170 DEG).
Expt P A-JCL-77		63 D77	8.5+1	9.5+1 Utsunomiya+ TBL. FROM DA/DE.
Expt J NP/A 217	253	73	NDG	. EXPERIMENTAL DETAILS.
²⁰⁸ Bi(¹⁴ N, ¹⁸ F) ²⁰⁷ Tl partial σ(E)				
10498 PAR Theo J ZP/A 290	157	79	6.0+1	7.0+1 Bimbot+ CURV. SUBCOUL. TRANSFER CFD EXP
²⁰⁸ Bi(¹⁴ N, ¹⁵ O) ²⁰⁸ Pb partial σ(E)				
10499 PAR Theo J ZP/A 290	157	79	5.6+1	7.0+1 Bimbot+ CURV. SUBCOUL. TRANSFER CFD EXP
²⁰⁸ Bi(¹⁴ N,x) ²¹⁰ Bi σ(E)				
10500 PAR Expt J PR/C	18	1298 978	7.7+1	9.7+1 Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
Expt P IPNO-RC-77	10	77	7.7+1	9.7+1 Gardes+ TBL. RESIDUAL ACTIVITY.
Exth T D. GARDES		D76	7.7+1	9.8+1 Gardes. TBL. CURV. ACTIVATION.
²⁰⁸ Bi(¹⁴ N,x) ²¹⁰ Po cumulative σ(E)				
10501 PAR Expt J PR/C	18	1298 978	6.1+1	1.6+2 Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
Expt P IPNO-RC-77	10	77	7.5+1	9.7+1 Gardes+ CURV. RESIDUAL ACTIVITY.
Exth T D. GARDES		D76	6.2+1	1.6+2 Gardes. TBL. CURV. ACTIVATION.
²⁰⁸ Bi(¹⁴ N,x) ²¹¹ At cumulative σ(E)				
10502 PAR Expt J PR/C	18	1298 978	6.1+1	1.6+2 Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
Expt P IPNO-RC-77	10	77	6.1+1	1.6+2 Gardes+ TBL. CURV. RESIDUAL ACTIVITY.
Exth T D. GARDES		D76	6.2+1	1.6+2 Gardes. TBL. CURV. ACTIVATION.
²⁰⁸ Bi(¹⁴ N,x) ²¹¹ Rn σ(E)				
10503 PAR Expt P IPNO-RC-77	10	77	6.9+1	1.6+2 Gardes+ TBL. RESIDUAL ACTIVITY.
Exth T D. GARDES		D76	7.0+1	1.6+2 Gardes. TBL. CURV. ACTIVATION.
²⁰⁸ Bi(¹⁴ N,x) ²¹² Rn σ(E)				
10504 PAR Expt J PR/C	18	1298 978	6.9+1	1.6+2 Gardes+ TBL. 2PI ION. CHMBRS FOR A + G

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
	$^{209}\text{Bi}(^{14}\text{N},5n)^{218}\text{Th}$ $\sigma(\text{E})$				
10505	JCL Expt J NP/A 217	253	73	7.0+1 9.6+1	Nomura+ CURV. ALPHA DETECTION.
	$^{209}\text{Bi}(^{14}\text{N},5n)^{218}\text{Th}$ relative product yield				
10506	JCL Expt J NP/A 217	253	73	9.1+1	Nomura+ CURV. AS FUNCT OF THICKNESS.
	$^{209}\text{Bi}(^{14}\text{N},xn)\text{charge distribution}$ $\sigma(\text{E})$				
10507	JCL Expt J PRL 40	694	378	8.5+1 9.5+1	Nomura+ TBL. IN-BEAM AS. Z = 90.
	Expt P A-JCL-77	63	D77	8.5+1 9.5+1	Utsunomiya+ TBL. FROM DA/DE.
	Expt J NP/A 217	253	73	NDG	. EXPERIMENTAL DETAILS.
	$^{209}\text{Bi}(^{14}\text{N},xn\alpha)\text{charge distribution}$ $\sigma(\text{E})$				
10508	JCL Expt J PRL 40	694	378	8.5+1 9.5+1	Nomura+ TBL. IN-BEAM AS. Z = 88.
	Expt P A-JCL-77	63	D77	8.5+1 9.5+1	Utsunomiya+ TBL. FROM DA/DE.
	Expt J NP/A 217	253	73	NDG	. EXPERIMENTAL DETAILS.
	$^{209}\text{Bi}(^{14}\text{N},xn+2\alpha)\text{charge distribution}$ $\sigma(\text{E})$				
10509	JCL Expt J PRL 40	694	378	8.5+1 9.5+1	Nomura+ TBL. IN-BEAM AS. Z = 86.
	Expt P A-JCL-77	63	D77	8.5+1 9.5+1	Utsunomiya+ TBL. FROM DA/DE.
	Expt J NP/A 217	253	73	NDG	. EXPERIMENTAL DETAILS.
	$^{209}\text{Bi}(^{14}\text{N},x)\text{mass distribution}$ $\sigma(\text{E})$				
10510	PAR Expt P IPNO-RC-77	10	77	6.1+1 1.6+2	Gardes+ TBL. A=210. RESIDUAL ACTIVITY.
	$^{209}\text{Bi}(^{14}\text{N},xn)\text{isotopic distribution}$ $\sigma(\text{E})$				
10511	JCL Expt J NP/A 217	253	73	7.0+1 9.6+1	Nomura+ NDG.
	$^{232}\text{Th}(^{14}\text{N},2n\alpha)^{240}\text{Am}$ $\sigma(\text{E})$				
10512	BRK Expt P LBL-8151	33	678	7.7+1	Williams+ TBL. RADIOCHEMISTRY.
	$^{232}\text{Th}(^{14}\text{N},5n+p)^{240}\text{Cm}$ $\sigma(\text{E})$				
10513	BRK Expt P LBL-8151	33	678	7.7+1	Williams+ TBL. RADIOCHEMISTRY.
	$^{232}\text{Th}(^{14}\text{N},x)^{242}\text{Cm}$ cumulative? $\sigma(\text{E})$				
10514	BRK Expt P LBL-8151	33	678	7.7+1	Williams+ TBL. RADIOCHEMISTRY.
	$^{232}\text{Th}(^{14}\text{N},4n)^{242}\text{Bk}$ $\sigma(\text{E})$				
10515	BRK Expt P LBL-8151	33	678	7.7+1	Williams+ TBL. RADIOCHEMISTRY.
	$^{239}\text{Pu}(^{14}\text{N},x)^{244}\text{Cf}$ compound-nucleus $\sigma(\text{E})$				
10516	ORL Expt P ORNL-5297	94	77	NDG	Hahn+ NDG. MAX SIG APP. 10MICROB.
	$^{239}\text{Pu}(^{14}\text{N},x)^{244}\text{Cf}$ $\sigma(\text{E})$				
10517	ORL Expt P ORNL-5306	45	677	NDG	Hahn+ MAX. SIGMA APP. 10 MICROBARN.
	$^{239}\text{Pu}(^{14}\text{N},x)^{245}\text{Cf}$ compound-nucleus $\sigma(\text{E})$				
10518	ORL Expt P ORNL-5297	94	77	NDG	Hahn+ NDG. MAX SIG APP. 10MICROB.
	$^{239}\text{Pu}(^{14}\text{N},x)^{245}\text{Cf}$ $\sigma(\text{E})$				
10519	ORL Expt P ORNL-5306	45	677	NDG	Hahn+ MAX. SIGMA APP. 10 MICROBARN.
	systematics($^{14}\text{N},x$) compound-nucleus $\sigma(\text{E})$				
10520	ANL Revv A BAP	23	98	178	NDG Kovar. NDG. REVIEWED ANL PROGRAM.
10521	PAR Revv C 74NASH	2	81	674 7.8+1 2.6+2	Lefort+ TBL. MANY REFERENCES.
	systematics($^{14}\text{N},x)n$ $\sigma(\text{E})$				
10522	FSU Theo A 74NASH	1	52	674 1.6+1 7.5+1	Holub+ NDG. STAT. EVAP. CODE P+(S,D) SH
	systematics($^{14}\text{N},x$) ^1H $\sigma(\text{E})$				
10523	FSU Theo A 74NASH	1	52	674 1.6+1 7.5+1	Holub+ NDG. STAT. EVAP. CODE P+(S,D) SH
	systematics($^{14}\text{N},x$) ^4He $\sigma(\text{E})$				
10524	FSU Theo A 74NASH	1	52	674 1.6+1 7.5+1	Holub+ NDG. STAT. EVAP. CODE P+(S,D) SH
	systematics($^{14}\text{N},x$)charge distribution $\sigma(\text{E})$				
10525	GRE Exth P ISN-77-01	58	76	NDG	Billerey+ NDG. Z=2-12 PRODUCTS.
	Exth P LYCEN-7701	15	76	NDG	Billerey+ NDG. Z=2-12 PRODUCTS.
	$^{12}\text{C}(^{19}\text{N},x)$ compound-nucleus $\sigma(\text{E})$				
10526	ANL Expt J PR/C	20	1305	079 2.0+1 6.0+1	Kovar+ TBL. CURV. FUSION.

REFERENCES (cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author.	Comments
		$^{12}\text{C}(^{15}\text{N},\alpha)^{23}\text{Na}$ compound-nucleus relative $\sigma(E)$				
10527	ORL Expt J PL/B	69 415 877	2.2+0	3.6+0	Gomez-Del-Campo+	CURV. RESONANCES
		$^{12}\text{C}(^{15}\text{N},x)$ charge distribution $\sigma(E)$				
10528	ANL Expt J PR/C	20 1305 079	2.0+1	6.0+1	Kovar+ TBL.	O,F,NE,NA,MG,AL FROM ANG.
		$^{18}\text{O}(^{15}\text{N},x)$ charge distribution $\sigma(E)$				
10529	SAC Expt P CEA-N-2070	36 978	3.6+1	5.5+1	Conjeaud+	CURV. CFD. CASCADE MODEL.
		$^{27}\text{Al}(^{15}\text{N},x)$ compound-nucleus $\sigma(E)$				
10530	ANL Expt P ANL-79-40	45 79 2.7+1	7.0+1		Prosser+	NDG. CFD OTHER WORK.
	Expt A BAP	23 503 478	3.0+1	7.0+1	Prosser+	NDG. SUM OF FUSION RESIDUES.
		$^{27}\text{Al}(^{15}\text{N},x)$ isotopic distribution $\sigma(E)$				
10531	ANL Expt A BAP	23 503 478	3.0+1	7.0+1	Prosser+	NDG. FUSION RESIDUES(Z GE 14)
		$^{209}\text{Bi}(^{15}\text{N},\text{fission})$ mass distribution prompt $\sigma(E)$				
10532	MAN Expt P UKNDC-P-88	94 678	NDG		Cunningham+	NDG. WORK COMPLETED.
		$^{232}\text{Th}(^{15}\text{N},5n)^{242}\text{Bk}$ $\sigma(E)$				
10533	BRK Expt J PR/C	19 1794 579	7.6+1	9.1+1	Williams+	CURV. T1/2=7.0MIN.
		$^{232}\text{Th}(^{15}\text{N},x)$ isotopic distribution cumulative? $\sigma(E)$				
10534	BRK Expt J PR/C	19 1794 579	7.7+1		Williams+	TBL. 5 PRODUCTS.
		$^{249}\text{Bk}(^{15}\text{N},x)$ $\sigma(E)$				
10535	BRK Expt P LBL-5075	40 076	7.8+1	1.0+2	Ghiorso+	CURV. SF T1/2 APP. 20MS.
		$^{249}\text{Bk}(^{15}\text{N},x)^{258}\text{Md}$ $\sigma(E)$				
10536	DUB Expt J AE	43 155 977	7.5+0	1.0+2	Drulin+	CURV.
10537	BRK Expt P LBL-5075	40 076	7.8+1	1.0+2	Ghiorso+	CURV. SF ACTIVITY.
	Expt P LBL-5075	160 076	7.8+1	1.0+2	Somerville+	CURV. SF ACTIVITY.
	Revu S CERN-76-13	549 676	7.8+1	1.0+2	Ghiorso.	CURV.
		$^{249}\text{Bk}(^{15}\text{N},4n)^{260}\text{Ku}$ $\sigma(E)$				
10538	BRK Expt P LBL-5075	40 076	7.8+1	1.0+2	Ghiorso+	SF T1/2=0.3,0.1,0.085 NOT OBS.
		$^{249}\text{Bk}(^{15}\text{N},4n)^{260}\text{Ku}$ including metastable? product yield				
10539	DUB Expt J AE	43 155 977	7.5+1	9.3+1	Drulin+	
	Expt R JINR-10499	77 7.5+1	9.3+1		Drulin+	
	Expt J SJA	43 785 378	7.5+1	9.3+1		TRANSLATION OF AE 43(3), 155(1977).
	Expt 4 EXFORA0010.002	478 7.5+1	9.3+1			6 DATA POINTS
		$^{249}\text{Cf}(^{15}\text{N},4n)^{260}\text{I05}$ product yield				
10540	ORL Expt J PR/C	16 1146 778	8.6+1		Bemis+	NDG. T1/2=(1.52+-0.13)SEC.
		$^{249}\text{Cf}(^{15}\text{N},4n)^{260}\text{I05}$ $\sigma(E)$				
10541	BRK Revu J ARN	27 139 77	NDG		Keller+3X10-33 CM2.	DUBNA WORK. CHEM TECH
		$^{2}\text{H}(^{16}\text{O},n)^{17}\text{F}$ product yield				
10542	IEA Expt P INDC(SEC)-5043	176	NDG		Rolberg.	NDG. THRESHOLD MEASUREMENT.
		$^{9}\text{Be}(^{16}\text{O},x)$ compound-nucleus $\sigma(E)$				
10543	CAL Exth J NP/A	289 236 077	5.0+0	1.5+1	Switkowski+	CURV. TBL. SUM OF 5 REACT.
		$^{9}\text{Be}(^{16}\text{O},x)$ compound-nucleus $\sigma(E)$ x factor				
10544	CAL Exth J NP/A	289 236 077	5.0+0	1.5+1	Switkowski+	CURV. TBL. S-FACTOR.
10545	ORL Revu C 77TENN	22 77 5.8+0	1.4+1		Stokstead.	CURV. 1/SIG(OM). LAP-157(76)
		$^{9}\text{Be}(^{16}\text{O},x)$ partial $\sigma(E)$ x factor				
10546	CAL Exth P LAP-157	N76	5.8+0	1.9+1	Switkowski+	CURV. S-FCTR. SUM FUS+N-TRAN
		$^{9}\text{Be}(^{16}\text{O},x)$ $\sigma(E)$				
10547	TNL Theo P ORO-1667-17116	79	NDG		Park+	NDG. LANDAU-ZENER EXCIT. MECH.
	Theo P A-TNL-78	116 79	NDG			SAME AS ORO-1667-17
		$^{9}\text{Be}(^{16}\text{O},\text{total})$ partial $\sigma(E)$ x factor				
10548	CAL Exth J NP/A	289 236 077	5.0+0	1.5+1	Switkowski+	CURV. FUS+N-TRANSFER. S-FAC
		$^{9}\text{Be}(^{16}\text{O},x)^{17}\text{O}$ partial relative $\sigma(E)$				
10549	CTH Expt J PS	19 245 79	8.9+0	2.0+1	Christiansson+	CURV. IN-BEAM. 871-KEY G

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		⁹ Be(¹⁶ O,x) ¹⁷ O partial relative σ(E)=factor			
10550	CTH Expt J PS	19 245 79	8.9+0	2.0+1	Christiansson+ CURV. S-FCT FRM REL. SIG
		⁹ Be(¹⁶ O, ⁹ Be) ¹⁷ O partial σ(E)			
10551	CAL Exth J NP/A	289 236 077	5.0+0	1.5+1	Swilkowski+ CURV. .871-MEV ST.
		⁹ Be(¹⁶ O, ⁹ Be) ¹⁷ O partial σ(E)=factor			
10552	CAL Exth J NP/A	289 236 077	5.0+0	1.5+1	Swilkowski+ CURV. S-FACTOR.
		⁹ Be(¹⁶ O,x) ²⁰ Ne partial relative σ(E)			
10553	CTH Expt J PS	19 245 79	8.9+0	2.0+1	Christiansson+ CURV. IN-BEAM.
		⁹ Be(¹⁶ O,x) ²⁰ Ne partial relative σ(E)=factor			
10554	CTH Expt J PS	19 245 79	8.9+0	2.0+1	Christiansson+ CURV. S-FCT FRM REL. SIG
		⁹ Be(¹⁶ O,x) ²⁰ Ne σ(E)			
10555	CAL Exth P LAP-157		N76 7.6+0	1.4+1	Swilkowski+ CURV.
		⁹ Be(¹⁶ O,n+α) ²⁰ Ne σ(E)			
10556	CAL Exth J NP/A	289 236 077	5.0+0	1.5+1	Swilkowski+ CURV.
		⁹ Be(¹⁶ O,x) ²¹ Ne partial relative σ(E)			
10557	CTH Expt J PS	19 245 79	8.9+0	2.0+1	Christiansson+ CURV. IN-BEAM. 351-KEV G
		⁹ Be(¹⁶ O,x) ²¹ Ne partial relative σ(E)=factor			
10558	CTH Expt J PS	19 245 79	8.9+0	2.0+1	Christiansson+ CURV. S-FCT FROM REL SIG
		⁹ Be(¹⁶ O,α) ²¹ Ne σ(E)			
10559	CAL Exth J NP/A	289 236 077	5.0+0	1.5+1	Swilkowski+ CURV.
		⁹ Be(¹⁶ O,x) ²³ Na partial relative σ(E)			
10560	CTH Expt J PS	19 245 79	8.9+0	2.0+1	Christiansson+ CURV. IN-BEAM. 440-KEV G
		⁹ Be(¹⁶ O,x) ²³ Na partial relative σ(E)=factor			
10561	CTH Expt J PS	19 245 79	8.9+0	2.0+1	Christiansson+ CURV. S-FCT FROM REL SIG
		⁹ Be(¹⁶ O,x) ²³ Na σ(E)			
10562	CAL Exth P LAP-157		N76 7.6+0	1.4+1	Swilkowski+ CURV.
		⁹ Be(¹⁶ O,n+p) ²³ Na σ(E)			
10563	CAL Exth J NP/A	289 236 077	5.0+0	1.5+1	Swilkowski+ CURV.
		⁹ Be(¹⁶ O,p) ²⁴ Na σ(E)			
10564	CAL Exth J NP/A	289 236 077	5.0+0	1.5+1	Swilkowski+ CURV.
		⁹ Be(¹⁶ O,n) ²⁴ Hg σ(E)			
10565	CAL Exth J NP/A	289 236 077	5.0+0	1.5+1	Swilkowski+ CURV.
		¹⁰ B(¹⁶ O,x) direct-interaction σ(E)			
10566	ORL Expt J PRL	43 26 779	3.9+1	2.1+2	Del-Campo+ CURV. SUM OF INTAD SIGMAS.
		¹⁰ B(¹⁶ O,x) compound-nucleus σ(E)			
10567	ORL Revw R IAEA-241/SM		79 2.6+1	5.2+2	Plasil+ CURV. FUSION. CFD EXPT.
	Revw R CONF-790507	3 79 2.6+1	5.2+2	Plasil+ SAME AS IAEA-SM/241-D1	
10568	BRK Revw S BNL-51115	905 779	3.7+1	2.6+3	Scott. CURV. CONFERENCE SUMMARY.
10569	ORL Expt J PRL	43 26 779	3.9+1	2.1+2	Del-Campo+ CURV. FUS=SUM OF RES.
	Expt P ORNL-5498	18 679	4.2+1	2.0+2	Del-Campo+ CURV. FUSION.
		¹⁰ B(¹⁶ O,x) compound-nucleus σ(E)=factor			
10570	ORL Expt P ORNL-5306	51 677	4.2+1	9.4+1	Del-Campo+ TBL. FCT=1/SIG(C12+N14)
		¹⁰ B(¹⁶ O,absorption) σ(E)			
10571	ORL Expt J PRL	43 26 779	3.9+1	2.0+2	Del-Campo+ CURV. OPT. MODEL.
		¹⁰ B(¹⁶ O,x)n partial σ(E)			
10572	MPH Exth J NP/A	315 500 379	6.0+1		Szanto-De-Toledo+ TBL. FIRST-CHANCE DCY
		¹⁰ B(¹⁶ O,x)n σ(E)			
10573	MPH Exth J NP/A	315 500 379	6.0+1		Szanto-De-Toledo+ TBL. SEQUENTIAL DECAY

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
		$^{10}\text{B}(^{16}\text{O},\text{x})^{11}\text{H}$	partial $\sigma(\text{E})$			
10571	MPH Exth J NP/A	315 500 379	6.0+1		Szanto-De-Toledo+	TBL. FIRST-CHANCE DCY
		$^{10}\text{B}(^{16}\text{O},\text{x})^{11}\text{H}$	$\sigma(\text{E})$			
10575	MPH Exth J NP/A	315 500 379	6.0+1		Szanto-De-Toledo+	TBL. SEQUENTIAL DECAY
		$^{10}\text{B}(^{16}\text{O},\text{x})^{12}\text{H}$	partial $\sigma(\text{E})$			
10576	MPH Exth J NP/A	315 500 379	6.0+1		Szanto-De-Toledo+	TBL. CURV. 1ST-DECAY D.
		$^{10}\text{B}(^{16}\text{O},\text{x})^{12}\text{H}$	$\sigma(\text{E})$			
10577	MPH Exth J NP/A	315 500 379	6.0+1		Szanto-De-Toledo+	TBL. SEQUENTIAL DECAY
		$^{10}\text{B}(^{16}\text{O},\text{x})^{4}\text{He}$	partial $\sigma(\text{E})$			
10578	MPH Exth J NP/A	315 500 379	6.0+1		Szanto-De-Toledo+	TBL. FIRST-CHANCE DCY
		$^{10}\text{B}(^{16}\text{O},\text{x})^{4}\text{He}$	$\sigma(\text{E})$			
10579	MPH Exth J NP/A	315 500 379	6.0+1		Szanto-De-Toledo+	TBL. SEQUENTIAL DECAY
		$^{10}\text{B}(^{16}\text{O},\text{x})^{6}\text{Li}$	product yield			
10580	JCL Expt P A-JCL-77	39 077	9.8+1		Motobayashi+	NDG. ANALYSIS IN PROGRESS
		$^{10}\text{B}(^{16}\text{O},\text{inelastic})^{10}\text{B}$	partial $\sigma(\text{E})$			
10581	CAL Expt J NP/A	312 177 078	1.1+1	1.5+1	Wu+	CURV. COULOMB EXC. OF FIRST STATE
		$^{10}\text{B}(^{16}\text{O},^{6}\text{Li})^{20}\text{Ne}$	$\sigma(\text{E})$			
10582	TAM Exth J PR/C	16 2249 077	2.0+1	3.2+1	Stokstead+	TBL. INTAD. FRM NP/A 259,122
		$^{10}\text{B}(^{16}\text{O},\alpha)^{22}\text{Na}$	product yield			
10583	IEA Expt P INDC(SEC)-5042	176 3.6+1	4.0+1		Hirata+	NDG. A-GROUPS TO LOW EXCIT. LEV
		$^{10}\text{B}(^{16}\text{O},\text{d})^{24}\text{Mg}$	partial $\sigma(\text{E})$			
10584	MPH Exth J NP/A	315 500 379	6.0+1		Szanto-De-Toledo+	CURV. SIG(J). J=2-14.
		$^{10}\text{B}(^{16}\text{O},\text{x})$	charge distribution direct-interaction relative $\sigma(\text{E})$			
10585	ORL Expt J PRL	43 26 779	3.9+1	9.4+1	Del-Campo+	65PER-CENT OXYGEN ISOTOPES.
	Expt J PRL	43 26 779	2.0+2		Del-Campo+	4 CHARGES. Z=6-9.
		$^{10}\text{B}(^{16}\text{O},\text{x})$	charge distribution $\sigma(\text{E}) \times \text{factor}$			
10586	ORL Expt J PRL	43 26 779	3.9+1	2.0+2	Del-Campo+	Z = 5-11. RATIO TO FUS. SIG.
	Expt P ORNL-5306	51 677	9.4+1		Del-Campo+	CURV. Z=6-12. FCT=1/SIG(FUS)
		$^{10}\text{B}(^{16}\text{O},\text{x})$	charge distribution product yield			
10587	JCL Expt P A-JCL-77	39 077	9.8+1		Motobayashi+	NDG. ANALYSIS IN PROGRESS
		$^{11}\text{B}(^{16}\text{O},\text{x})$	compound-nucleus $\sigma(\text{E})$			
10588	BRK Revw S BNL-51115	905 779	NDG		Scott.	CURV. CONFERENCE SUMMARY.
		$\text{C}(^{16}\text{O},\text{x})$	compound-nucleus $\sigma(\text{E})$			
10589	UEN Exth J PL/B	64 408 76	8.5+0	1.2+1	Frohlich+	CURV.
		$\text{C}(^{16}\text{O},\text{x})\text{n}$	$\sigma(\text{E})$			
10590	FSU Theo A 74NASH	1 52 674	1.6+1	7.5+1	Holub+	NDG. STAT. EVAP. CODE.
		$\text{C}(^{16}\text{O},\text{x})^{11}\text{H}$	$\sigma(\text{E})$			
10591	FSU Theo A 74NASH	1 52 674	1.6+1	7.5+1	Holub+	NDG. STAT. EVAP. CODE.
		$\text{C}(^{16}\text{O},\text{x})^{4}\text{He}$	$\sigma(\text{E})$			
10592	FSU Theo A 74NASH	1 52 674	1.6+1	7.5+1	Holub+	NDG. STAT. EVAP. CODE.
		$^{12}\text{C}(^{16}\text{O},\text{x})$	compound-nucleus $\sigma(\text{E})$			
10593	BNL Theo A BAP	23 615 478	NDG		Golin.	NDG. DOUBLE-FOLDING POTENTIAL.
10594	BRK Revw S BNL-51115	905 779	NDG		Scott.	CURV. CONFERENCE SUMMARY.
10595	ROC Revw S BNL-51115	235 779	NDG		Hulzenga+	CURV. MAX. FUSION SIGMA
10596	TNL Theo P ORO-1667-17109	79 79	NDG		Howard+	NDG. SUB-COULOMB FUSION
	Theo P A-TNL-78	107 79	NDG			. SAME AS ORO-1667-17.
10597	CAL Expt J NP/A	280 189 477	6.3+0	3.1+1	Christenson+	TBL. CURV. SUM EV. RES.
10598	JLU Revw C 76ANL-2	1 341 476	1.1+1	1.2+2	Mosel.	CURV.
10599	MAU Expt J NP/A	303 500 778	1.2+1	5.2+1	Chan+	CURV. FUS SIG FROM SUM 18 DISC. GS
10600	UEN Exth J PL/B	64 408 76	1.5+1	6.5+1	Frohlich+	CURV. GLAS-MODEL MODEL.
10601	WZL Expt J PR/C	13 1527 76	1.6+1	3.3+1	Eyal+	TBL. DEDUCED FROM EVAPOR. RESIDUE
10602	STB Expt C 77TOKYO	657 977	2.4+1	4.6+1	Cornier+	CURV. ANL FUS. CFD. PRES. INL.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{12}\text{C}(^{16}\text{O},x)$ compound-nucleus $\sigma(E)$					
10603	ANL Expt J PR/C 20	1305 079	3.0+1	6.3+1	Kovar+ TBL. CURV. FUSION. CFD OTHERS.
	Expt C 777OKYO	660 977	NDG		Kovar+ CURV. MAX. FUSION SIGMA.
	Expt J PR/C 16	673 877	3.5+1	6.2+1	Tabor+ TBL. CURV. SUM OF ELEM. YLDS.
	Expt P ANL-76-96	39 77	3.1+1	6.3+1	Eisen+ CURV. SUM OF EVAP. RES.
	Expt P ANL-76-96	33 77	2.2+1	4.4+1	Tabor+ CURV. SUM OF EVAP. RES.
	Revw C 76ANL-2 1	95 476	1.5+1	9.9+9	Vigdor. CURV. FUSION.
	Expt C 76ANL-2 2	803 476	3.0+1	7.4+1	Tabor+ CURV. SUM OF EVAP. RESIDUES.
	Expt C 76ANL-2 2	783 476	3.1+1	6.3+1	Sperr+ CURV. FUS = SUM OF EVAP. RES.
	Expt J PRL 36	405 76	3.0+1	6.3+1	Sperr+ CURV. INTEGRATED ANG. DIST.
	Expt J PRL 37	321 76	2.7+1	6.4+1	Sperr+ CURV. INTEG. ANG. DIST.
10604	CBR Expt J JP/G 3	1565 77	3.0+1	4.3+1	Branford+ CURV. EXCLUDING EL AND INL.
10605	MIT Revw C 77TENN	73 77	3.1+1	6.3+1	Negelle. CURV. FRM PRL 36, 405(1976)
	Revw J JPRC 37	177 N76	2.9+1	6.3+1	Feshbach. CURV.
10606	STR Exth J PR/C 19	408 279	4.0+1	6.5+1	Kolata+ CURV. FUSION=SUM OF EVAP. RES.
	Expt J PL/B 65	333 076	4.0+1	6.5+1	Kolata+ CURV. DEDUCED FROM FUS PROD YLDS
10607	MUN Expt J NP/A 263	511 76	6.0+1		Weidinger+ (870+-130)MB. DERIVED
	Expt P BLM-JB-75	54 476	6.0+1		Busch+ TBL. FROM PRODUCTS. FUSION.
$^{12}\text{C}(^{16}\text{O},x)$ compound-nucleus $\sigma(E)$ factor					
10608	CAL Expt J NP/A 280	189 477	6.3+0	3.1+1	Christenson+ TBL. CURV. S-FCT.
	Expt J NP/A 280	189 477	6.3+0	3.1+1	Christenson+ CURV. RATIO TO STAT MOD.
10609	USP Theo J PR/C 21	772 280	1.1+1	1.9+1	Hussein+ CURV. RATIO FOR 2 DEFORMATIONS
$^{12}\text{C}(^{16}\text{O},x)$ partial $\sigma(E)$ factor					
10610	ANL Expt J PR/C 16	673 877	3.5+1	6.2+1	Tabor+ TBL. SUM OF SIG(Z)*DELTA(Z)
	Expt J PR/C 16	673 877	3.5+1	6.2+1	Tabor+ TBL. SIG(P)+2*SIG(A)
$^{12}\text{C}(^{16}\text{O},\text{fission}) \sigma(E)$					
10611	ANL Expt J PR/C 16	673 877	3.5+1	6.2+1	Tabor+ TBL.
$^{12}\text{C}(^{16}\text{O},\text{nonelastic}) \sigma(E)$					
10612	CBR Expt J AUJ 30	149 77	9.6+0	1.8+1	Kagorcka+ CURV. FROM GAMMA-YIELD.
$^{12}\text{C}(^{16}\text{O},\text{nonelastic}) \sigma(E)$ factor					
10613	CBR Expt J AUJ 30	149 77	9.6+0	1.8+1	Kagorcka+ CURV. FROM GAMMA-YIELD.
$^{12}\text{C}(^{16}\text{O},\text{absorption}) \sigma(E)$					
10614	STB Expt A BAP 24	665 479	+1	1.2+2	Freeman+ NDG. NO INTERMEDIATE STRUCTURE
10615	JLU Revw C 76ANL-2 1	341 476	1.1+1	1.2+2	Mosel. CURV.
10616	UEN Exth J PL/B 64	408 76	1.8+1	6.5+1	Frohlich+ CURV. OPTICAL MODEL.
10617	CAL Theo P LAP-149	176 2.0+1	2.8+1		Swilkowski. CURV. 2 STICKY HARD SPHERES
10618	ANL Expt J PR/C 16	673 877	3.5+1	6.2+1	Tabor+ TBL. CURV.
10619	MUN Exth W ANNUAL RPT	54 75	6.0+1		Busch+ 1264MB.
$^{12}\text{C}(^{16}\text{O},\text{absorption}) \sigma(E)$ factor					
10620	MIT Revw J JPRC 37	177 N76	9.3+0	2.8+1	Feshbach. CURV. S-FACTOR.
$^{12}\text{C}(^{16}\text{O},\text{total})$ compound-nucleus $\sigma(E)$					
10621	MUN Expt P BLM-JB-75	54 476	6.0+1		Busch+ TBL. CALCULATED.
$^{12}\text{C}(^{16}\text{O},\text{total}) \sigma(E)$ at resonance					
10622	STB Expt J PR/C 18	163 778	3.3+1		Malmi+ 106MB FOR L=14 RESONANCE
$^{12}\text{C}(^{16}\text{O},\text{total}) \sigma(E)$					
10623	FSU Expt A BAP 24	852 979	NDG		Frawley+ NDG. 14.7 MEV RES.
$^{12}\text{C}(^{16}\text{O},x)\gamma$ partial relative $\sigma(E)$					
10624	MON Expt J PRL 41	840 978	2.8+1	3.5+1	Taras+ CURV. SUM OF GS. FINE STR. IN FUS
$^{12}\text{C}(^{16}\text{O},x)n \sigma(E)$					
10625	ORL Expt P ORNL-5306	59 677	NDG		Bair+ NDG. PAPER IN PREPARATION
	Expt P ORNL-5137	87 576	NDG		Bair+ NDG. REPORTED IN ORNL-4844,45(73)
	Expt A BAP 17	53 472	TR	5.5+1	Bair+ NDG. STRUCTURE OBSERVED.
10626	STR Revw S LYCEN-7902	379 4.1+1	6.5+1		Haes+ P. S.6.1. CURV. G-METH.
$^{12}\text{C}(^{16}\text{O},x)^1\text{H} \sigma(E)$					
10627	ANL Expt J PR/C 16	673 877	3.0+1	6.4+1	Tabor+ TBL. CURV. INT. E/A.
	Expt C 76ANL-2 2	803 476	3.0+1	7.4+1	Tabor+ CURV. E/ANGLE INTEG.
10628	STR Revw S LYCEN-7902	379 4.1+1	6.5+1		Haes+ P. S.6.1. CURV. G-METH.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{12}\text{C}(^{18}\text{O},\text{x})^4\text{He}$ $\sigma(\text{E})$					
10629	ANL Expt J PR/C	16	673 877	3.0+1 6.4+1	Tabor+ TBL. CURV. INT. E/A.
	Expt C 76ANL-2	2	803 476	3.0+1 7.4+1	Tabor+ CURV. E/ANGLE INTEG.
10630	STR Exth J PR/C	19	408 279	4.0+1 6.5+1	Kolata+ CURV. FROM NUCLIDE DISTR.
	Rev S LYCEN-7902		379 4.1+1	6.5+1	Haas+ P. S.6.1. CURV. G-METH.
$^{12}\text{C}(^{18}\text{O},\text{scattering})^{12}\text{C}$ relative $\sigma(\text{E})$					
10631	MON Expt J PR/C	15	834 277	2.9+1 3.4+1	Taras+ CURV.
$^{12}\text{C}(^{18}\text{O},\text{inelastic})^{12}\text{C}$ partial $\sigma(\text{E})$					
10632	TOK Theo J PR/C	20	183 779	1.4+1 3.2+1	Tanimura+ CURV. 2+ LVL. COUPLING INTER.
10633	CBR Expt J JP/G	3	1565 77	3.2+1 4.3+1	Branford+CURV.IN-BEAM 6.13-MEV G OF O16
10634	STB Expt J PR/C	18	163 778	3.3+1 5.4+1	Malmi+ TBL. FROM ANG. DISTR.
	Expt J PR/C	17	2097 678	4.6+1 5.6+1	Malmi+ CURV. 6.06+7MEV PAIR TRANSITION
10635	SUB Expt J PR/C	17	1263 378	3.4+1 7.2+1	Jachinski+ CURV. 4.43 MEV ST. OF C12
10636	STR Rev S LYCEN-7902		379 3.6+1	4.7+1	Haas+ P. S.6.1. CURV. G-METH. 2+ (1).
10637	ROC Expt J PRL	40	371 278	5.0+1 7.0+1	Shapiro+ CURV.SUM OF 3 STATES 6 ANGLES.
$^{12}\text{C}(^{18}\text{O},\text{inelastic})^{12}\text{C}$ partial relative $\sigma(\text{E})$					
10638	STB Expt C 77TOKYO		657 977	2.4+1 4.6+1	Cormier+ CURV.2(1)+ ST. CFD. ANL FUS.
$^{12}\text{C}(^{18}\text{O},\text{inelastic})^{12}\text{C}$ partial $\sigma(\text{E})$ at resonance					
10639	STB Expt J PR/C	17	2097 678	4.6+1 5.6+1	Malmi+ TBL. 3-,PI,+PI(RES) SIGMAS.
$^{12}\text{C}(^{18}\text{O},\text{inelastic})^{12}\text{C}$ partial $\sigma(\text{E})$ +factor at resonance					
10640	STB Expt J PR/C	17	2097 678	4.6+1 5.3+1	Malmi+ 0+/3- RATIO CFD LOLA CALC.
$^{12}\text{C}(^{18}\text{O},\text{inelastic})^{12}\text{C}$ partial $\sigma(\text{E})_y$					
10641	WAU Expt P A-AU-78		82 778	4.7+1 5.6+1	Bhang+ CURV. 4439 KEV G.
$^{12}\text{C}(^{18}\text{O},\text{elastic})^{12}\text{C}$ $\sigma(\text{E})$					
10642	STB Expt J PR/C	18	163 778	3.3+1 5.4+1	Malmi+ TBL. FROM ANG. DISTR.
$^{12}\text{C}(^{18}\text{O},\alpha^{12}\text{C})^{12}\text{C}$ partial product yield					
10643	ROC Expt A BAP	24	665 479	1.0+2	Cormier+ NDG. DECAY OF MOLECULAR RES.
$^{12}\text{C}(^{18}\text{O},\alpha^{12}\text{C})^{12}\text{C}$ partial compound-nucleus relative $\sigma(\text{E})$					
10644	TSU Expt C 77TOKYO		653 977	5.7+1 6.8+1	Furuno+ CURV.SEQ. DECAY VIA 10.3 ST O16
$^{12}\text{C}(^{18}\text{O},\alpha^{12}\text{C})^{12}\text{C}$ partial $\sigma(\text{E})$					
10645	SAC Exth P CEA-N-2026	46	977 4.0+1	6.5+1	Bertault+ CURV. EA=0 IN CM.
$^{12}\text{C}(^{18}\text{O},\text{x})^{18}\text{O}$ partial $\sigma(\text{E})$					
10646	STR Exth J PR/C	19	408 279	4.0+1 6.5+1	Kolata+ CURV. EXP. AND EVAP. MODEL. 3-
$^{12}\text{C}(^{18}\text{O},\text{x})^{18}\text{O}$ $\sigma(\text{E})$					
10647	STR Exth J PR/C	19	408 279	4.0+1 6.5+1	Kolata+ CURV. EXP. AND EVAP. MODEL.
$^{12}\text{C}(^{18}\text{O},\text{inelastic})^{18}\text{O}$ partial $\sigma(\text{E})$					
10648	TOK Theo J PR/C	20	183 779	1.4+1 3.2+1	Tanimura+ CURV. 3- LVL. COUPLING INTER.
10649	STR Rev S LYCEN-7902		379 1.9+1	3.7+1	Haas+ P. S.6.1. CURV. G-METH. 3- TO 0+
$^{12}\text{C}(^{18}\text{O},\text{inelastic})^{18}\text{O}$ partial $\sigma(\text{E})_y$					
10650	WAU Expt J NP/A	303	500 778	2.4+1 5.2+1	Chan+ CURV. IN-BEAM G MEAS. 6.13MEV G.
$^{12}\text{C}(^{18}\text{O},3\alpha)^{18}\text{O}$ $\sigma(\text{E})$					
10651	ANL Expt J PR/C	16	673 877	3.5+1 6.2+1	Tabor+ TBL. CURV.
$^{12}\text{C}(^{18}\text{O},^{12}\text{C})^{18}\text{O}$ partial raw $\sigma(\text{E})$					
10652	BRC Expt P CEA-N-1969	88	677 4.0+1	4.1+1	Cocu+ CURV. 6.13+6.05-MEV STATES.
$^{12}\text{C}(^{18}\text{O},\text{x})^{20}\text{Ne}$ $\sigma(\text{E})$					
10653	CAL Expt J NP/A	280	189 477	1.9+1 3.1+1	Christenson+ TBL. CURV.
10654	STR Exth J PR/C	19	408 279	4.0+1 6.5+1	Kolata+ CURV. EXP. AND EVAP. MODEL.
	Expt J PL/B	65	333 076	4.0+1 6.5+1	Kolata+ CURV. ACTIVATION.
$^{12}\text{C}(^{18}\text{O},\text{x})^{20}\text{Ne}$ partial product yield					
10655	STR Rev S LYCEN-7902		379 4.1+1	6.5+1	Haas+ P. S.6.1. CURV. G-METH. 2+ TO 0+
$^{12}\text{C}(^{18}\text{O},\text{x})^{20}\text{Ne}$ partial $\sigma(\text{E})$					
10656	WAU Expt J NP/A	303	500 778	2.3+1 5.2+1	Chan+ CURV. IN-BEAM G MEAS. 2 GS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{in} (MeV)	E _{max} (MeV)	Author, Comments
$^{12}\text{C}(^{16}\text{O},\text{x})^{20}\text{Ne}$ partial $\sigma(\text{E})$					
10556	HAU Expt P A-WAU-78	82 778	2.8+1	7.2+1	Bhang+ CURV. 1634 KEV G.
10557	CBR Expt J JP/G 3	1565 77	3.0+1	4.3+1	Branford+ CURV. IN-BEAM 1.63-MEV G.
$^{12}\text{C}(^{16}\text{O},2\alpha)^{20}\text{Ne}$ relative $\sigma(\text{E})$					
10558	MON Expt J PRL 41	840 978	2.8+1	3.5+1	Taras+CURV. 1634-KEV G. FINE STR. IN FUS
$^{12}\text{C}(^{16}\text{O},2\alpha)^{20}\text{Ne}$ product yield					
10559	HAR Expt P AERE-PR/NP2334	76		+0 2.5+1	Viggars+ NDG.
$^{12}\text{C}(^{16}\text{O},^3\text{He})^{20}\text{Ne}$ partial $\sigma(\text{E})$					
10560	HAR Expt J PR/C 19	2186 679	2.3+1	3.6+1	Viggars+ CURV. INTAD(NE20).
	Expt P AERE-PR/NP 24	577	2.9+1	3.5+1	Brady+ CURV. INTAD(NE20). P. 33.
10561	FSU Expt A DA/B 38	3748 278	3.6+1	4.4+1	James. NDG. G.S.+FIRST 5 STATES.
	Expt A DA/B 38	3748 278	4.3+1	5.4+1	James.NDG.6LEV.85KEV STEPS.ALSO ANG. DI
10562	HAU Expt J PRL 42	432 279	4.0+1	4.9+1	Eberhard+ CURV. INTAD. GS + 4 LEVELS
$^{12}\text{C}(^{16}\text{O},^3\text{He})^{20}\text{Ne}$ partial relative $\sigma(\text{E})$					
10563	HAR Expt J PR/C 19	2186 679	2.8+1	3.6+1	Viggars+ CURV. EXP CFD TWO-LEVEL FIT.
$^{12}\text{C}(^{16}\text{O},^3\text{He})^{20}\text{Ne}$ relative $\sigma(\text{E})$					
10564	HAR Exth J PRL 39	870 077	2.1+1	2.6+1	Brady+ CURV. INTAD(NE20). R-MATRIX.
$^{12}\text{C}(^{16}\text{O},\text{x})^{22}\text{Ne}$ partial $\sigma(\text{E})$					
10565	HAU Expt J NP/A 303	500 778	3.1+1	5.2+1	Chan+ CURV. IN-BEAM G MEAS. 1274.5 G.
$^{12}\text{C}(^{16}\text{O},\text{x})^{22}\text{Ne}$ partial $\sigma(\text{E})$					
10566	HAU Expt J NP/A 303	500 778	4.9+1	5.2+1	Chan+ CURV. IN-BEAM G MEAS. 890.9 G.
$^{12}\text{C}(^{16}\text{O},\text{x})^{23}\text{Na}$ $\sigma(\text{E})$					
10567	CAL Expt J NP/A 280	189 477	1.7+1	3.1+1	Christenson+ TBL. CURV.
10568	STR Expt J PL/B 65	333 076	4.0+1	6.5+1	Kolata+ CURV. ACTIVATION.
$^{12}\text{C}(^{16}\text{O},\text{x})^{23}\text{Na}$ partial $\sigma(\text{E})$					
10569	HAU Expt J NP/A 303	500 778	1.8+1	5.2+1	Chan+ CURV. IN-BEAM G MEAS. 2 GS.
10570	CBR Expt J JP/G 3	1565 77	3.0+1	4.3+1	Branford+ CURV. IN-BEAM 440-KEV G.
$^{12}\text{C}(^{16}\text{O},\text{p}+\alpha)^{23}\text{Na}$ relative $\sigma(\text{E})$					
10571	MON Expt J PRL 41	840 978	2.8+1	3.5+1	Taras+ CURV. 443-KEV G.FINE STR. IN FUS
$^{12}\text{C}(^{16}\text{O},\text{p}+\alpha)^{23}\text{Na}$ relative $\sigma(\text{E}) \times \text{factor}$					
10572	SAC Revu J NIM 146	253 077	7.9+0	1.5+1	Papineau. CURV. NP/A 165. 545(1971).
$^{12}\text{C}(^{16}\text{O},\text{x})^{24}\text{Mg}$ $\sigma(\text{E})$					
10573	STR Exth J PR/C 19	408 279	4.0+1	6.5+1	Kolata+ CURV. EXP. AND EVAP. MODEL.
$^{12}\text{C}(^{16}\text{O},\text{x})^{24}\text{Mg}$ $\sigma(\text{E})$					
10574	STR Exth J PR/C 19	408 279	4.0+1	6.5+1	Kolata+ CURV. EXP. AND EVAP. MODEL.
$^{12}\text{C}(^{16}\text{O},\text{x})^{24}\text{Mg}$ partial $\sigma(\text{E})$					
10575	HAU Expt J NP/A 303	500 778	2.6+1	5.2+1	Chan+ CURV. IN-BEAM G MEAS. 450.7 G.
$^{12}\text{C}(^{16}\text{O},\text{x})^{24}\text{Mg}$ $\sigma(\text{E})$					
10576	CAL Expt J NP/A 280	189 477	6.3+0	3.1+1	Christenson+ TBL. CURV.
10577	STR Expt J PL/B 65	333 076	4.0+1	6.5+1	Kolata+ CURV. ACTIVATION.
$^{12}\text{C}(^{16}\text{O},\text{x})^{24}\text{Mg}$ partial $\sigma(\text{E})$					
10578	HAU Expt J NP/A 303	500 778	1.0+1	5.2+1	Chan+ CURV. IN-BEAM G MEAS. 3 GS.
	Expt P A-WAU-78	82 778	1.4+1	7.2+1	Bhang+ CURV. 1369 KEV G.
10579	CBR Expt J JP/G 3	1565 77	2.4+1	3.2+1	Branford+CURV.IN-BM 1.37 G+7.62-MEV LVL
$^{12}\text{C}(^{16}\text{O},\alpha)^{24}\text{Mg}$ partial $\sigma(\text{E})$					
10580	HAR Expt J PR/C 19	2186 679	2.9+1	3.4+1	Viggars+ TBL. CALCULATED.
10581	MON Expt J PR/C 19	1557 479	3.0+1		Taras+ TBL. G.S.+5.24 LEV. FUNC. OF L.
$^{12}\text{C}(^{16}\text{O},\alpha)^{24}\text{Mg}$ partial relative $\sigma(\text{E})$					
10582	HAR Expt J PR/C 19	2186 679	2.8+1	3.6+1	Viggars+ CURV. EXP CFD TWO-LEVEL FIT.
$^{12}\text{C}(^{16}\text{O},\alpha)^{24}\text{Mg}$ relative $\sigma(\text{E})$					
10583	CAL Expt J NP/A 280	189 477	6.3+0	3.1+1	Christenson+ CURV. RATIO TO STAT MOD.
10584	HAR Exth J PRL 39	870 077	2.1+1	2.6+1	Brady+ CURV. R-MATRIX.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{12}\text{C}(^{16}\text{O},\alpha)^{24}\text{Mg}$ relative $\sigma(E)$					
10605	MON Expt J PRL	41	840 978	2.8+1 3.5+1	Taras+ CURV. 1369-KEV G.FINE STR. IN FUS
	Expt J PR/C	15	834 277	2.9+1 3.4+1	Taras+ CURV.
$^{12}\text{C}(^{16}\text{O},\alpha)^{24}\text{Mg}$ partial average $\sigma(E)$					
10686	YAL Revv C 74NASH	2	327 674	3.0+1 3.3+1	Stokstad. TBL.AVE OVER E RANGE.GS+6 LEV
$^{12}\text{C}(^{16}\text{O},\alpha)^{24}\text{Mg}$ partial $\sigma(E)$ x factor					
10687	UEN Expt C 77TOKYO		645 977	1.0+1 1.6+1	Treu+CURV.S-FCT.INTD.SUMA0-3,-6,-17,-23
$^{12}\text{C}(^{16}\text{O},\alpha)^{24}\text{Mg}$ $\sigma(E)$					
10688	CAL Expt J NP/A	274	202 076	1.1+1 2.3+1	Switkowski+ CURV. MEASURED GAMMAS.
10689	MIT Expt A BAP	21	679 76	2.0+1 1.0+2	Young+ NDG
$^{12}\text{C}(^{16}\text{O},\alpha)^{24}\text{Mg}$ relative $\sigma(E)$ x factor					
10690	SAC Revv J NIM	146	253 077	7.9+0 1.5+1	Papineau. CURV. NP/A 165, 545(1971).
$^{12}\text{C}(^{16}\text{O},x)^{25}\text{Mg}$ $\sigma(E)$					
10691	STR Exth J PR/C	19	408 279	4.0+1 6.5+1	Kolata+ CURV. EXP. AND EVAP. MODEL.
$^{12}\text{C}(^{16}\text{O},x)^{25}\text{Mg}$ partial $\sigma(E)$					
10692	HAU Expt J NP/A	303	500 778	3.5+1 5.2+1	Chan+ CURV. IN-BEAM G MEAS. 2 GS.
$^{12}\text{C}(^{16}\text{O},x)^{26}\text{Mg}$ $\sigma(E)$					
10693	CAL Expt J NP/A	280	189 477	1.3+1 3.1+1	Christenson+ TBL. CURV.
10694	STR Exth J PR/C	19	408 279	4.0+1 6.5+1	Kolata+ CURV. EXP. AND EVAP. MODEL.
$^{12}\text{C}(^{16}\text{O},2p)^{26}\text{Mg}$ partial $\sigma(E)$					
10695	HAU Expt J NP/A	303	500 778	1.2+1 5.2+1	Chan+ CURV. IN-BEAM G MEAS. 1808.7 G.
10696	HAU Expt J PRL	42	687 379	1.6+1 7.0+1	Chan+ CURV. 1369-KEV TRANSITION FROM GS
10697	CBR Expt J JP/G	3	1565 77	3.0+1 4.3+1	Branford+ CURV. IN-BEAM 1.809-MEV G.
$^{12}\text{C}(^{16}\text{O},2p)^{26}\text{Mg}$ relative $\sigma(E)$					
10698	MON Expt J PRL	41	840 978	2.8+1 3.5+1	Taras+ CURV. 1809-KEV G.FINE STR. IN FUS
$^{12}\text{C}(^{16}\text{O},x)^{26}\text{Al}$ $\sigma(E)$					
10699	CAL Expt J NP/A	280	189 477	1.6+1 3.1+1	Christenson+ TBL. CURV.
10700	STR Exth J PR/C	19	408 279	4.0+1 6.5+1	Kolata+ CURV. EXP. AND EVAP. MODEL.
$^{12}\text{C}(^{16}\text{O},x)^{26}\text{Al}$ partial product yield					
10701	STR Revv S LYCEN-7902		379 4.1+1	6.5+1	Haas+ P. S.6.1. CURV. G-METH. 3+ TO 5+
$^{12}\text{C}(^{16}\text{O},x)^{26}\text{Al}$ partial $\sigma(E)$					
10702	HAU Expt J NP/A	303	500 778	1.4+1 5.2+1	Chan+ CURV. IN-BEAM G MEAS. 2 GS.
10703	CBR Expt J JP/G	3	1565 77	3.0+1 4.3+1	Branford+ CURV. IN-BEAM 417-KEV G.
$^{12}\text{C}(^{16}\text{O},n+p)^{26}\text{Al}$ relative $\sigma(E)$					
10704	MON Expt J PRL	41	840 978	2.8+1 3.5+1	Taras+ CURV. 417-KEV G.FINE STR. IN FUS
$^{12}\text{C}(^{16}\text{O},d)^{26}\text{Al}$ relative $\sigma(E)$					
10705	MON Expt J PR/C	15	834 277	2.9+1 3.4+1	Taras+ CURV.
$^{12}\text{C}(^{16}\text{O},x)^{27}\text{Al}$ $\sigma(E)$					
10706	STR Exth J PR/C	19	408 279	4.0+1 6.5+1	Kolata+ CURV. EXP. AND EVAP. MODEL.
$^{12}\text{C}(^{16}\text{O},p)^{27}\text{Al}$ relative $\sigma(E)$					
10707	CAL Expt J NP/A	280	189 477	6.3+0 3.1+1	Christenson+ CURV. RATIO TO STAT MOD.
10708	MON Expt J PR/C	15	834 277	2.9+1 3.4+1	Taras+ CURV.
$^{12}\text{C}(^{16}\text{O},p)^{27}\text{Al}$ $\sigma(E)$					
10709	CAL Expt J NP/A	280	189 477	6.3+0 3.1+1	Christenson+ TBL. CURV.
10710	CAL Expt J NP/A	274	202 076	1.1+1 2.3+1	Switkowski+ CURV. MEASURED GAMMAS.
10711	STB Expt J PR/C	18	163 778	3.3+1 5.4+1	Malmia+ TBL. FROM ANG. DISTR.
$^{12}\text{C}(^{16}\text{O},p)^{27}\text{Al}$ partial $\sigma(E)$					
10712	HAU Expt J NP/A	303	500 778	1.0+1 2.6+1	Chan+ CURV. IN-BEAM G MEAS. 3 GS.
10713	CBR Expt J JP/G	3	1565 77	3.0+1 4.3+1	Branford+ CURV. IN-BEAM 1.014-MEV G.
$^{12}\text{C}(^{16}\text{O},p)^{27}\text{Al}$ product yield					
10714	HAR Expt P AERE-PR/NP	24	577	NDG	Watson+ NDG. P. 35. SEE PR/NP-23, 33

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{12}\text{C}(^{16}\text{O},\text{p})^{27}\text{Al}$ relative $\sigma(\text{E})$ factor					
10715	SAC Revw J NIM	146 253 077 7.9+0	1.5+1	Papineau. CURV. NP/A 165, 545(1971).	
$^{12}\text{C}(^{16}\text{O},\text{n})^{27}\text{Si}$ $\sigma(\text{E})$					
10716	CAL Expt J NP/A	274 202 076 1.1+1	2.3+1	Swilkowski+ CURV. MEASURED GAMMAS.	
10717	MON Expt J PR/C	15 834 277 2.9+1	3.4+1	Teras+ NDG.	
10718	STB Expt J PR/C	18 163 778 3.3+1	5.4+1	Maimin+ TBL. FROM ANG. DISTR.	
10719	STR Exth J PR/C	19 408 279 4.0+1	6.5+1	Kolata+ CURV. CALCULATED.	
$^{12}\text{C}(^{16}\text{O},\text{n})^{27}\text{Si}$ partial $\sigma(\text{E})$					
10720	WAU Expt J NP/A	303 500 778 1.2+1	2.6+1	Chan+ CURV. IN-BEAM G MEAS. 3 GS.	
$^{12}\text{C}(^{16}\text{O},\text{x})$ charge distribution $\sigma(\text{E})$					
10721	ANL Expt J PR/C	16 673 877 3.5+1	6.2+1	Tabor+ TBL. CURV. Z=9-14. INTAD	
10722	NOT Expt A BAP	23 502 478 4.0+1	6.6+1	Maimin+ NDG. Z=4-12. DE-E ID.	
$^{12}\text{C}(^{16}\text{O},\text{x})$ isotopic distribution $\sigma(\text{E})$					
10723	MUN Expt J NP/A	263 511 76 6.0+1		Weidinger+ CURV. Z=9-12. A=20-27.	
	Expt P BLM-JB-75	54 476 6.0+1		Busch+ CURV. CFD GROG1 2.	
$^{13}\text{C}(^{16}\text{O},\text{x})$ $\sigma(\text{E})$					
10724	TNL Theo P ORO-1667-17116	79 NDG		Park+ NDG. LANDAU-ZENER EXCIT. MECH.	
	Theo P A-TNL-78	116 79 NDG		. SAME AS ORO-1667-17	
$^{13}\text{C}(^{16}\text{O},\text{x})\gamma$ partial $\sigma(\text{E})$					
10725	WAU Expt A BAP	23 933 978 1.6+1	4.6+1	Chan+ NDG.	
$^{13}\text{C}(^{16}\text{O},^{12}\text{C})^{17}\text{O}$ partial $\sigma(\text{E})$ factor					
10726	LVP Exth J PL/B	70 405 077 1.3+1	1.5+1	Durell+ CURV.	
$^{13}\text{C}(^{16}\text{O},^{12}\text{C})^{17}\text{O}$ $\sigma(\text{E})$					
10727	NCS Theo A BAP	23 946 978 NDG		Park+ NDG. MOLECULAR PARTICLE-CORE MOD.	
10728	LVP Exth J PL/B	70 405 077 1.3+1	1.5+1	Durell+ CURV. DWBA.	
$^{13}\text{C}(^{16}\text{O},\text{x})^{21}\text{Ne}$ partial relative $\sigma(\text{E})$					
10729	WAU Expt P A-WAU-78	82 778 2.5+1	5.3+1	Bhang+ CURV. 350 KEV G.	
$^{13}\text{C}(^{16}\text{O},\text{x})^{24}\text{Ne}$ partial relative $\sigma(\text{E})$					
10730	WAU Expt P A-WAU-78	82 778 2.5+1	5.3+1	Bhang+ CURV. 472 KEV G.	
$^{13}\text{C}(^{16}\text{O},\text{x})^{24}\text{Mg}$ partial relative $\sigma(\text{E})$					
10731	WAU Expt P A-WAU-78	82 778 2.5+1	5.3+1	Bhang+ CURV. 2754 KEV G.	
$^{13}\text{C}(^{16}\text{O},\text{x})^{29}\text{Mg}$ partial $\sigma(\text{E})$					
10732	WAU Expt J PRL	42 687 379 1.6+1	5.6+1	Chan+ CURV. 585-KEV TRANSITION FROM GS	
	Expt P A-WAU-78	82 778 2.5+1	5.3+1	Bhang+ CURV. 585 KEV G.	
$^{13}\text{C}(^{16}\text{O},\text{x})^{27}\text{Al}$ partial relative $\sigma(\text{E})$					
10733	WAU Expt P A-WAU-78	82 778 2.5+1	5.3+1	Bhang+ CURV. 3004 KEV G.	
$^{13}\text{C}(^{16}\text{O},\text{n})^{28}\text{Si}$ partial relative $\sigma(\text{E})$					
10734	WAU Expt P A-WAU-78	82 778 2.5+1	5.3+1	Bhang+ CURV. 1778 KEV G.	
$^{14}\text{C}(^{16}\text{O},\text{x})$ compound-nucleus $\sigma(\text{E})$					
10735	MUN Expt P BLM-JB-77	12 478 2.8+1	6.6+1	Appel+ NDG. FROM IN-BEAM G MEAS.	
$^{14}\text{C}(^{16}\text{O},\text{x})^{18}\text{O}$ $\sigma(\text{E})$					
10736	STR Expt A BAP	24 851 979 3.5+1	7.2+1	Haas+ NDG. STRONG STRUCTURE.	
$^{14}\text{C}(^{16}\text{O},\text{x})^{28}\text{Al}$ $\sigma(\text{E})$					
10737	ETH Expt C 71ALBANY	527 71 1.3+1	3.7+1	Eyal+ CURV. ACTIVATION METHOD.	
$^{14}\text{C}(^{16}\text{O},\text{x})^{29}\text{Al}$ $\sigma(\text{E})$ factor					
10738	ETH Expt C 71ALBANY	527 71 2.8+1	4.0+1	Eyal+ CURV. AL28/AL29.	
$^{14}\text{C}(^{16}\text{O},\text{p})^{29}\text{Al}$ $\sigma(\text{E})$					
10739	ETH Expt C 71ALBANY	527 71 1.3+1	3.7+1	Eyal+ CURV. ACTIVATION METHOD.	
$^{14}\text{C}(^{16}\text{O},\text{p})^{29}\text{Al}$ $\sigma(\text{E})$ factor					
10740	ETH Expt C 71ALBANY	527 71 2.8+1	4.0+1	Eyal+ CURV. AL28/AL29.	

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min}	E _{max}	Author, Comments
		Type		(MeV)	(MeV)	
$^{18}\text{O}(^{16}\text{O},x)$ compound-nucleus $\sigma(E)$						
10741	BRK	Revu	S BNL-51115	905	779	NDG Scott. CURV. CONFERENCE SUMMARY.
10742	TNL	Theo	P ORO-1667-17109	79	NDG	Howard+ NDG. SUB-COULOMB FUSION
		Theo	P A-TNL-78	107	79	NDG . SAME AS ORO-1667-17.
10743	CAL	Theo	A BAP 22	1003	977	TR 8.0+1 Koonin+ NDG.
10744	CAL	Expt	A DA/B 39	1364	978	1.4+1 2.4+1 Wu. NDG. FUSION.
10745	STF	Expt	J NP/A 322	168	679	1.8+1 6.0+1 Cheng+ CURV. FUSION. 3 MODELS.
10746	SAC	Revu	S LYCEN-7902	379	2.0+1	1.2+2 Bonche, P. C. 3.1. TDHF. OPT. MOD. FUS.
		Theo	J PR/C 17	1700	578	2.0+1 1.2+2 Bonche+ CURV. TDHF CFD. EXP.+ OPT. MOD.
10747	ROC	Revu	S BNL-51115	235	779	2.2+1 1.0+2 Hulzenga+ CURV. CFD EXPT + MODELS.
		Revu	S BNL-51115	235	779	NDG Hulzenga+ CURV. MAX. FUSION SIGMA
10748	UI	Theo	J PR/C 18	2567	078	2.2+1 1.2+2 Kreiger+ CURV. TDHF CALCULATIONS.
10749	BZL	Theo	J PR/C 18	2152	N78	2.4+1 6.0+1 Vaz+ CURV. SYS. SEMIEMP. ANALYS. OF FUS
10750	STR	Expt	J PR/C 19	2237	679	2.4+1 8.0+1 Kolata+ CURV. FUSION=SUM OF 11 ISOTOPES
		Expt	J PR/C 19	2237	679	2.5+1 Kolata+ FUSION = 270+-20 MB.
		Revu	S LYCEN-7902	379	2.4+1	6.0+1 Haas+ P. S. 6.1. CURV. FUSION.
10751	BNL	Expt	J PR/C 16	891	877	2.5+1 6.1+1 Kolata+ CURV. SUM PROD. YLDS. AND O.M.
		Expt	J PR/C 16	891	877	6.0+1 Kolata+ (851+-60)MB. SUM 12 PROD. YLDS
10752	WZ1	Expt	J PR/C 18	1688	078	2.7+1 6.6+1 Tserruya+ CURV. TOTAL FUSION FROM EVAP.
10753	ANL	Expt	J PR/C 20	1305	079	3.0+1 7.2+1 Kovar+ TBL. CURV. FUSION. CFD OTHERS.
		Expt	C 77TOKYO	660	977	NDG Kovar+ CURV. MAX. FUSION SIGMA.
10754	NBI	Expt	J NP/A 306	259	878	3.5+1 8.0+1 Fernandez+ TBL. CURV. FUS SIG FRM A DIST
10755	MUN	Expt	J NP/A 263	511	76	6.0+1 Weidinger+ (1.00+-15)B. DERIVED
10756	MUJ	Expt	P BLM-JB-75	54	476	6.0+1 Busch+ TBL. FROM PRODUCTS. FUSION.
$^{18}\text{O}(^{16}\text{O},x)$ compound-nucleus $\sigma(E)$ factor						
10757	NBI	Theo	J NP/A 280	205	477	1.2+1 2.4+1 Christenson+ CURV. S-FCT.
10758	CAL	Expt	A DA/B 39	1364	978	1.4+1 2.4+1 Wu. NDG. FUSION S-FACTOR
10759	LYO	Theo	J ZP/A 285	333	78	1.4+1 2.4+1 Avishai+ CURV. S-FCT. CLOSED FORM. FUS.
10760	MST	Revu	J ARN 28	115	078	1.4+1 2.6+1 Rolfs+CURV. FUSION S-FACTOR. PRL 37,888
10761	ORL	Revu	C 77TENN	22	77	1.4+1 2.4+1 Stokstead. CURV. 1/SIG(OM). NP/A 233,456
$^{18}\text{O}(^{16}\text{O},x)$ compound-nucleus product yield						
10762	BRC	Expt	P NEANDC(E)-1824	77	NDG	Michaudon. NDG. SEE [INDC(FR)]-14, 86
$^{18}\text{O}(^{16}\text{O},x)$ partial $\sigma(E)$						
10763	NBI	Expt	J NP/A 306	259	878	3.5+1 8.0+1 Fernandez+ CURV. SUM OF A=28,29,30.
$^{18}\text{O}(^{16}\text{O},\text{absorption}) \sigma(E)$						
10764	STF	Expt	J NP/A 322	168	679	1.8+1 6.0+1 Cheng+ CURV. SUM RESIDUES+MODELS.
		Expt	J PR/C 18	168	679	1.8+1 6.0+1 Cheng+ CURV. SMOOTHED SUM OF RESIDUES.
10765	BNL	Theo	W R.C. FULLER	077	2.0+1	6.0+1 Fuller. CURV. COULOMB-REMOVED.
10766	CAL	Theo	P LAP-149	176	2.2+1	2.4+1 Switkowski. CURV. 2 STICKY HARD SPHERES
10767	STR	Expt	J PR/C 19	2237	679	2.4+1 8.0+1 Kolata+ CURV. FUSION+INELASTIC.
10768	MUN	Exth	W ANNUAL RPT	54	75	6.0+1 Busch+ 1345MB.
$^{18}\text{O}(^{16}\text{O},\text{total})$ compound-nucleus $\sigma(E)$						
10769	MUJ	Expt	P BLM-JB-75	54	476	6.0+1 Busch+ TBL. CALCULATED.
$^{18}\text{O}(^{16}\text{O},\text{total}) \sigma(E)$						
10770	NBI	Expt	J NP/A 306	259	878	5.6+1 8.0+1 Fernandez+ 1245+-55MB AND 1195+-60MB.
$^{18}\text{O}(^{16}\text{O},\text{total}) \sigma(E)$ factor						
10771	UI	Theo	J NP/A 274	295	076	1.4+1 2.4+1 Arnould+ CURV. S-FCT. LIQUID-DROP MODEL
$^{18}\text{O}(^{16}\text{O},\text{total})$ partial $\sigma(E)$						
10772	GRE	Expt	J NP/A 327	517	979	1.2+2 1.4+2 Saint-Laurent+ TBL. SUM OF Z=5-14 PROD.
$^{18}\text{O}(^{16}\text{O},x)_y$ relative $\sigma(E)$						
10773	YAL	Revu	C 75MRYLND	465	75	1.4+1 3.3+1 Bromley. CURV. MOLECULAR STATES. CRC DAT
$^{18}\text{O}(^{16}\text{O},x)_y \sigma(E)$ factor						
10774	YAL	Revu	C 75MRYLND	465	75	1.4+1 2.3+1 Bromley. CURV. MOLECULAR STATES. S-FCT.
10775	MIT	Revu	J JPRC 37	177	N76	2.8+1 4.6+1 Feshbach. CURV. S-FACTOR.
$^{18}\text{O}(^{16}\text{O},x)_n \sigma(E)$						
10776	ORL	Expt	P ORNL-5306	59	677	NDG Bair+ NDG. PAPER IN PREPARATION
10777	ORL	Expt	A BAP 17	53	472	TR 5.5+1 Bair+ NDG. NO STRUCTURE OBSERVED.
10778	STF	Expt	J NP/A 322	168	679	2.5+1 Cheng+ (47+-5)MB FROM G DATA. CFD OTH.
10779	STR	Expt	J PR/C 19	2237	679	2.5+1 Kolata+ 55+-10 MB.

REFERENCES(conti)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
		$^{16}\text{O}(^{16}\text{O},\text{x})^1\text{H}$			$\sigma(\text{E})$	
10780	STF Expt J NP/A	322	168	679 2.5+1	Cheng+	(139+-15)MB FROM G DATA. CFD OTH
10781	STR Expt J PR/C	19	2237	679 2.5+1	Kolata+	270+-60 MB.
		$^{16}\text{O}(^{16}\text{O},\text{x})^4\text{He}$			$\sigma(\text{E})$	
10782	STF Expt J NP/A	322	168	679 2.5+1	Cheng+	(163+-13)MB FROM G DATA. CFD OTH
10783	STR Expt J PR/C	19	2237	679 2.5+1	Kolata+	125+-15 MB.
		$^{16}\text{O}(^{16}\text{O},\text{x})^4\text{He}$			relative $\sigma(\text{E})$	
10784	YAL Revv C	75MRYLND	465	75 1.8+1 3.2+1	Bromley.	CURV. MOLECULAR STATES. CRC DAT
		$^{16}\text{O}(^{16}\text{O},\text{scattering})^{16}\text{O}$			$\sigma(\text{E})$	
10785	STR Revv S	LYCEN-7902	379	2.4+1 6.0+1	Haas+ P. S.G.I.	CURV. G-METH.
		$^{16}\text{O}(^{16}\text{O},\text{inelastic})^{16}\text{O}$			partial $\sigma(\text{E})$	
10786	WIS Theo J PL/B	87	179	N79 NDG	Friedman+	NDG. BARRIER-TOP RES. MODEL.
10787	YAL Theo J PRL	42	566	279 3.6+1 8.4+1	Phillips+	CURV. ORIGIN OF GROSS STRUCT.
		$^{16}\text{O}(^{16}\text{O},\text{inelastic})^{16}\text{O}$			partial $\sigma(\text{E})_y$	
10788	STR Expt J PR/C	19	2237	679 2.4+1 8.0+1	Kolata+	CURV. EXTENSIVE STRUCTURE.
	Revv S	LYCEN-7902	379	2.5+1 8.0+1	Haas+ P. S.G.I.	CURV. G-METH. 3- TO 0+
10789	BNL Expt J PR/C	16	891	877 2.5+1 6.1+1	Kolata+	CURV. FRM G YLD. 3- STATE.
	Expt J PR/C	16	891	877 6.0+1	Kolata+	(51.6+-3.6)MB. 3- ST. FRM G YLD
		$^{16}\text{O}(^{16}\text{O},\text{inelastic})^{16}\text{O}$			$\sigma(\text{E})$	
10790	NBI Expt J NP/A	306	259	878 5.6+1	Fernandez+	80+-25MB.
		$^{16}\text{O}(^{16}\text{O},\text{elastic})^{16}\text{O}$			$\sigma(\text{E}) \times \text{factor}$	
10791	NBI Theo J NP/A	280	205	477 1.8+1 2.9+1	Christenson+	CURV. FCT=1/SIG(MOTT)
		$^{16}\text{O}(^{16}\text{O},\text{elastic})^{16}\text{O}$			$\sigma(\text{E})$	
10792	BNL Theo W R.C.	FULLER	077	2.0+1 6.0+1	Fuller.	CURV. COULOMB-REMOVED.
		$^{16}\text{O}(^{16}\text{O},\text{x})^{20}\text{Ne}$			partial $\sigma(\text{E})$	
10793	STF Expt J NP/A	322	168	679 1.8+1 6.0+1	Cheng+	CURV. EG=1.634MEV FROM 90DEG DAT
		$^{16}\text{O}(^{16}\text{O},\text{x})^{20}\text{Ne}$			$\sigma(\text{E})$	
10794	STR Revv S	LYCEN-7902	379	2.4+1 6.0+1	Haas+ P. S.G.I.	CURV. G-METH.
10795	BNL Expt J PR/C	16	891	877 2.5+1 6.1+1	Kolata+	CURV. FRM G YLD.
	Expt J PR/C	16	891	877 6.0+1	Kolata+	(93.7+-6.6)MB. FRM G YLD.
10796	MUN Exth W	ANNUAL RPT	54	75 6.0+1	Busch+	CURV. MEASURED + GROG12 CALC.
		$^{16}\text{O}(^{16}\text{O},\text{x})^{20}\text{Ne}$			partial $\sigma(\text{E}) \times \text{factor}$	
10797	WZ1 Expt J PR/C	18	1688	078 5.4+1 6.0+1	Tserruya+	TBL. REL. G.S. POPULATION.
		$^{16}\text{O}(^{16}\text{O},3\alpha)^{20}\text{Ne}$			$\sigma(\text{E})$	
10798	STF Expt J NP/A	322	168	679 1.2+1 6.0+1	Cheng+	CURV. SMOOTHED G DATA + MODEL.
	Expt J NP/A	322	168	679 2.5+1	Cheng+	(2+-1)MB FROM G DATA. CFD OTHER.
		$^{16}\text{O}(^{16}\text{O},^{12}\text{C})^{20}\text{Ne}$			$\sigma(\text{E})$	
10799	NBI Expt J NP/A	306	259	878 5.6+1 8.0+1	Fernandez+	45+-8MB AND 44MB.
		$^{16}\text{O}(^{16}\text{O},\text{x})^{22}\text{Ne}$			$\sigma(\text{E})$	
10800	BNL Expt J PR/C	16	891	877 6.0+1	Kolata+	NOT OBSERVED. FRM G YLD.
10801	MUN Exth W	ANNUAL RPT	54	75 6.0+1	Busch+	CURV. MEASURED + GROG12 CALC.
		$^{16}\text{O}(^{16}\text{O},\text{x})^{23}\text{Na}$			partial $\sigma(\text{E})$	
10802	STF Expt J NP/A	322	168	679 1.8+1 6.0+1	Cheng+	CURV. EG=440KEV FROM 9/DEG DATA
		$^{16}\text{O}(^{16}\text{O},\text{x})^{23}\text{Na}$			$\sigma(\text{E})$	
10803	BNL Expt J PR/C	16	891	877 6.0+1	Kolata+	(36.3+-2.5)MB. FRM G YLD.
10804	MUN Exth W	ANNUAL RPT	54	75 6.0+1	Busch+	CURV. MEASURED + GROG12 CALC.
		$^{16}\text{O}(^{16}\text{O},\text{x})^{23}\text{Na}$			partial $\sigma(\text{E}) \times \text{factor}$	
10805	WZ1 Expt J PR/C	18	1688	078 5.4+1 6.0+1	Tserruya+	TBL. REL. G.S. POPULATION.
		$^{16}\text{O}(^{16}\text{O},\text{p}+2\alpha)^{23}\text{Na}$			$\sigma(\text{E})$	
10806	STF Expt J NP/A	322	168	679 1.4+1 6.0+1	Cheng+	CURV. SMOOTHED G DATA + MODEL.
		$^{16}\text{O}(^{16}\text{O},\text{x})^{24}\text{Mg}$			partial $\sigma(\text{E})$	
10807	STF Expt J NP/A	322	168	679 1.8+1 6.0+1	Cheng+	CURV. EG=1.369MEV FROM 90DEG DAT

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{18}\text{O}(^{18}\text{O},x)^{24}\text{Mg} \quad \sigma(\text{E})$				
10808 STR Revv S LYCEN-7902	379	2.4+1	6.0+1	Haas+ P. S.6.1. CURV. G-METH.
10809 BNL Expt J PR/C 16	891	877 2.5+1	6.1+1	Kolata+ CURV. FRM G YLD.
Expt J PR/C 16	891	877 6.0+1		Kolata+ (323+-23)MB. FRM G YLD.
10810 MUN Exth W ANNUAL RPT	54	75 6.0+1		Busch+ CURV. MEASURED + GROG12 CALC.
$^{16}\text{O}(^{16}\text{O},x)^{24}\text{Mg} \quad \text{partial } \sigma(\text{E}) \times \text{factor}$				
10811 WZ1 Expt J PR/C 18	1688	078 2.8+1	6.0+1	Tserruya+ TBL. REL. G.S. POPULATION.
$^{16}\text{O}(^{16}\text{O},2\alpha)^{24}\text{Mg} \quad \sigma(\text{E})$				
10812 STF Expt J NP/A 322	168	679 1.8+1	6.0+1	Cheng+ CURV. SMOOTHED G DATA + MODEL.
$^{16}\text{O}(^{16}\text{O},8\alpha)^{24}\text{Mg} \quad \text{partial } \sigma(\text{E})$				
10813 MUN Expt P BLM-JB-77	21	478 3.7+1	5.4+1	Bernhardt+ INTAD(35-60DEG). MG24 2+ ST
$^{16}\text{O}(^{16}\text{O},x)^{26}\text{Mg} \quad \sigma(\text{E})$				
10814 BNL Expt J PR/C 16	891	877 6.0+1		Kolata+ (23.5+-1.7)MB. FRM G YLD.
10815 MUN Exth W ANNUAL RPT	54	75 6.0+1		Busch+ CURV. MEASURED + GROG12 CALC.
$^{16}\text{O}(^{16}\text{O},x)^{26}\text{Al} \quad \text{partial } \sigma(\text{E})$				
10816 STF Expt J NP/A 322	168	679 1.8+1	6.0+1	Cheng+ CURV. EG=417KEV FROM 90DEG DATA
$^{16}\text{O}(^{16}\text{O},x)^{26}\text{Al} \quad \sigma(\text{E})$				
10817 BNL Expt J PR/C 16	891	877 6.0+1		Kolata+ (51.9+-3.6)MB. FRM G YLD.
10818 MUN Exth W ANNUAL RPT	54	75 6.0+1		Busch+ CURV. MEASURED + GROG12 CALC.
$^{16}\text{O}(^{16}\text{O},x)^{26}\text{Al} \quad \text{partial } \sigma(\text{E}) \times \text{factor}$				
10819 WZ1 Expt J PR/C 18	1688	078 5.4+1	6.0+1	Tserruya+ TBL. REL. G.S. POPULATION.
$^{18}\text{O}(^{18}\text{O},n+p+\alpha)^{26}\text{Al} \quad \sigma(\text{E})$				
10820 STF Expt J NP/A 322	168	679 1.5+1	6.0+1	Cheng+ CURV. SMOOTHED G DATA + MODEL.
$^{16}\text{O}(^{16}\text{O},x)^{27}\text{Al} \quad \text{partial } \sigma(\text{E})$				
10821 STF Expt J NP/A 322	168	679 1.8+1	6.0+1	Cheng+ CURV. 4GS FROM 90DEG DATA.
$^{16}\text{O}(^{16}\text{O},x)^{27}\text{Al} \quad \sigma(\text{E})$				
10822 STF Expt J NP/A 322	168	679 1.8+1	6.0+1	Cheng+ CURV. SUM OF 4 GAMMAS.
10823 BNL Expt J PR/C 16	891	877 6.0+1		Kolata+ (167+-12)MB. FRM G YLD.
10824 MUN Exth W ANNUAL RPT	54	75 6.0+1		Busch+ CURV. MEASURED + GROG12 CALC.
$^{16}\text{O}(^{16}\text{O},x)^{27}\text{Al} \quad \text{partial } \sigma(\text{E}) \times \text{factor}$				
10825 WZ1 Expt J PR/C 18	1688	078 2.8+1	6.0+1	Tserruya+ TBL. REL. G.S. POPULATION.
$^{16}\text{O}(^{16}\text{O},p+\alpha)^{27}\text{Al} \quad \sigma(\text{E})$				
10826 STF Expt J NP/A 322	168	679 1.8+1	6.0+1	Cheng+ CURV. SMOOTHED G DATA + MODEL.
$^{16}\text{O}(^{16}\text{O},x)^{27}\text{Si} \quad \sigma(\text{E})$				
10827 BNL Expt J PR/C 16	891	877 6.0+1		Kolata+ (1+-1)MB. FRM G YLD.
10828 MUN Exth W ANNUAL RPT	54	75 6.0+1		Busch+ CURV. MEASURED + GROG12 CALC.
$^{16}\text{O}(^{16}\text{O},x)^{28}\text{Si} \quad \text{partial } \sigma(\text{E})$				
10829 STF Expt J NP/A 322	168	679 1.8+1	6.0+1	Cheng+ CURV. EG=1.779MEV FROM 90DEG DAT
$^{16}\text{O}(^{16}\text{O},x)^{28}\text{Si} \quad \sigma(\text{E})$				
10830 STR Revv S LYCEN-7902	379	2.4+1	6.0+1	Haas+ P. S.6.1. CURV. G-METH.
10831 BNL Expt J PR/C 16	891	877 2.5+1	6.1+1	Kolata+ CURV. FRM G YLD.
Expt J PR/C 16	891	877 6.0+1		Kolata+ (14.4+-1.6)MB. FRM G YLD.
10832 MUN Exth W ANNUAL RPT	54	75 6.0+1		Busch+ CURV. MEASURED + GROG12 CALC.
$^{16}\text{O}(^{16}\text{O},\alpha)^{28}\text{Si} \quad \sigma(\text{E})$				
10833 STF Expt J NP/A 322	168	679 1.8+1	6.0+1	Cheng+ CURV. SMOOTHED G DATA + MODEL.
$^{16}\text{O}(^{16}\text{O},\alpha)^{28}\text{Si} \quad \text{product yield}$				
10834 ATH Expt P INDC(SEC)-5198	075	1.7+1	3.2+1	Fox+ NDG. 200KEV STAPS. GND+1ST-EXC. ST
$^{16}\text{O}(^{16}\text{O},x)^{28}\text{Si} \quad \text{partial } \sigma(\text{E})$				
10835 STF Expt J NP/A 322	168	679 1.8+1	6.0+1	Cheng+ CURV. 2 GS FROM 90DEG DATA.
$^{16}\text{O}(^{16}\text{O},x)^{29}\text{Si} \quad \sigma(\text{E})$				
10836 STF Expt J NP/A 322	168	679 1.8+1	6.0+1	Cheng+ CURV. SUM OF TWO GAMMAS.
10837 BNL Expt J PR/C 16	891	877 6.0+1		Kolata+ (112+-8)MB. FRM G YLD.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{16}\text{O}(^{16}\text{O},x)^{28}\text{Si} \quad \sigma(\text{E})$					
10838	MUN Exth W ANNUAL RPT	54 75	6.0+1		Busch+ CURV. MEASURED + GROG12 CALC.
$^{16}\text{O}(^{16}\text{O},n+2p)^{28}\text{Si} \quad \sigma(\text{E})$					
10839	STF Expt J NP/A 322	168 679	1.8+1	6.0+1	Cheng+ CURV. SMOOTHED G DATA + MODEL.
$^{16}\text{O}(^{16}\text{O},x)^{30}\text{Si} \quad \text{partial } \sigma(\text{E}) \times \text{factor}$					
10840	WZ1 Expt J PR/C 18	1688 078	2.8+1	6.0+1	Tserruya+ TBL. REL. G.S. POPULATION.
$^{16}\text{O}(^{16}\text{O},2p)^{30}\text{Si} \quad \text{partial } \sigma(\text{E})$					
10841	STF Expt J NP/A 322	168 679	1.8+1	6.0+1	Cheng+ CURV. EG=2.235MEV FROM 90DEG DAT
$^{16}\text{O}(^{16}\text{O},2p)^{30}\text{Si} \quad \sigma(\text{E})$					
10842	STF Expt J NP/A 322	168 679	1.8+1	6.0+1	Cheng+ CURV. SMOOTHED G DATA + MODEL.
$^{16}\text{O}(^{16}\text{O},x)^{30}\text{P} \quad \text{partial } \sigma(\text{E})$					
10843	STF Expt J NP/A 322	168 679	1.8+1	6.0+1	Cheng+ CURV. EG=1.264MEV FROM 90DEG DAT
	Expt J NP/A 322	168 879	1.0+1	6.0+1	Cheng+ CURV. 3GS FROM 90DEG DATA.
$^{16}\text{O}(^{16}\text{O},x)^{30}\text{P} \quad \sigma(\text{E})$					
10844	STF Expt J NP/A 322	168 679	1.8+1	6.0+1	Cheng+ CURV. SUM OF 3 GS.
10845	BNL Expt J PR/C 16	891 877	6.0+1		Kolata+ (12+-2)MB. FRM G YLD.
$^{16}\text{O}(^{16}\text{O},x)^{30}\text{P} \quad \text{partial } \sigma(\text{E}) \times \text{factor}$					
10846	WZ1 Expt J PR/C 18	1688 078	2.8+1	6.0+1	Tserruya+ TBL. REL. G.S. POPULATION.
$^{16}\text{O}(^{16}\text{O},n+p)^{30}\text{P} \quad \sigma(\text{E})$					
10847	STF Expt J NP/A 322	168 679	1.8+1	6.0+1	Cheng+ CURV. SMOOTHED G DATA + MODEL.
	Expt J NP/A 322	168 679	2.5+1		Cheng+ (40+-3)MB FROM G DATA. CFD OTH.
$^{16}\text{O}(^{16}\text{O},x)^{31}\text{P} \quad \sigma(\text{E})$					
10848	BNL Expt J PR/C 16	891 877	6.0+1		Kolata+ (16+-2)MB. FRM G YLD.
$^{16}\text{O}(^{16}\text{O},p)^{31}\text{P} \quad \text{partial } \sigma(\text{E})$					
10849	STF Expt J NP/A 322	168 679	1.8+1	6.0+1	Cheng+ CURV. EG=2.234MEV FROM 90DEG DAT
	Expt J NP/A 322	168 679	1.8+1	6.0+1	Cheng+ CURV. EG=1.266MEV FROM 90DEG DAT
$^{16}\text{O}(^{16}\text{O},p)^{31}\text{P} \quad \sigma(\text{E})$					
10850	STF Expt J NP/A 322	168 679	1.8+1	6.0+1	Cheng+ CURV. SMOOTHED G DATA + MODEL.
10851	BNL Expt W TO BE SUBMITTED	377	6.0+1		Kolata+ (16+-2)MB. 2 GAMMAS
$^{16}\text{O}(^{16}\text{O},n)^{31}\text{S} \quad \sigma(\text{E})$					
10852	STF Expt J NP/A 322	168 679	2.5+1		Cheng+ LT 2 MB FROM G DATA. CFD OTHERS.
$^{16}\text{O}(^{16}\text{O},x) \text{charge distribution} \quad \sigma(\text{E})$					
10853	ANL Expt A BAP 22	1019 977	3.0+1	6.0+1	Schliffer+ NDG. Z .GE. 9 PRODUCTS.
10854	GRE Expt J NP/A 327	517 979	1.2+2	1.4+2	Saint-Laurent+ TBL. Z=5-14.
	Expt P CEA-N-2070	190 978	6.7+1	1.6+2	Conjeaud+ TBL. CURV. CFD THEORY.
	Exth C 777OKYO	663 977	6.0+1	1.2+2	Conjeaud+ CURV. Z=5-14. INTAD. CASCADE
$^{16}\text{O}(^{16}\text{O},x) \text{charge distribution} \quad \text{direct-interaction } \sigma(\text{E})$					
10855	GRE Expt P CEA-N-2070	190 978	6.7+1	1.6+2	Conjeaud+ TBL. CURV. CFD THEORY.
$^{16}\text{O}(^{16}\text{O},x) \text{mass distribution} \quad \sigma(\text{E})$					
10856	BNL Expt J NP/A 306	259 878	3.5+1	8.0+1	Fernandez+ TBL. CURV. A=20, 23-31.
10857	WZ1 Expt J PR/C 18	1688 078	4.5+1	5.4+1	Tserruya+ CURV. ENERGY/ANGLE INTEGRATED
$^{16}\text{O}(^{16}\text{O},x) \text{isotopic distribution} \quad \sigma(\text{E})$					
10858	CAL Expt A DA/B 39	1364 978	1.4+1	2.4+1	Wu. NDG. PROMPT GAMMA DETECTION.
10859	STR Expt J PR/C 19	2237 679	2.4+1	8.0+1	Kolata+ CURV. 10 ISOTOPIES. Z=12-15.
10860	GRE Theo P ISN-79-01	42 79	6.0+1		Cole. CURV. LANCELNT CFD GROG12 + EXPT.
10861	MUN Expt J NP/A 263	511 76	6.0+1		Weidinger+ CURV. Z=9-13. A=20-29.
	Expt P BLM-JB-75	54 476	6.0+1		Busch+ CURV. CFD GROG1 2.
$^{18}\text{O}(^{16}\text{O},x)n \quad \sigma(\text{E})$					
10862	ORL Expt P ORNL-5306	59 677	NDG		Bair+ NDG. PAPER IN PREPARATION
10863	ORL Expt A BAP 17	53 472	TR	5.5+1	Bair+ NDG. YLD.=5.5*YLD FOR O16(O16,XN)
$^{20}\text{Ne}(^{16}\text{O}, \text{inelastic})^{20}\text{Ne} \quad \text{product yield}$					
10864	STB Expt A BAP 24	570 479	2.0+1	5.5+1	Braun-Munzinger+ NDG. GROSS STRUCTURE.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
		$^{20}\text{Ne}(^{10}\text{O},\text{elastic})^{20}\text{Ne}$	product yield			
10865	STB Expt A BAP	24	570	479 2.0+1	5.5+1	Braun-Munzinger+ NDG. GROSS STRUCTURE.
		$^{20}\text{Ne}(^{10}\text{O},^{12}\text{C})^{24}\text{Mg}$	product yield			
10866	BNL Expt A BAP	24	570	479 4.1+1	6.3+1	Barrette+ NDG. BROAD STRUCTURE.
		$^{20}\text{Ne}(^{10}\text{O},x)$	isotopic distribution $\sigma(E)$			
10867	NOT Expt A BAP	24	825	979 3.0+1	5.2+1	Kolata+ NDG. EVAP. RES.
		$\text{Mg}(^{10}\text{O},x)n$	$\sigma(E)$			
10868	FSU Theo A 74NASH	1	52	674 1.6+1	7.5+1	Holub+ NDG. STAT. EVAP. CODE.
		$\text{Mg}(^{10}\text{O},x)^1\text{H}$	$\sigma(E)$			
10869	FSU Theo A 74NASH	1	52	674 1.6+1	7.5+1	Holub+ NDG. STAT. EVAP. CODE.
		$\text{Mg}(^{10}\text{O},x)^4\text{He}$	$\sigma(E)$			
10870	FSU Theo A 74NASH	1	52	674 1.6+1	7.5+1	Holub+ NDG. STAT. EVAP. CODE.
		$^{24}\text{Mg}(^{10}\text{O},x)$	compound-nucleus $\sigma(E)$			
10871	BRK Revw S	BNL-51115	905	779	NDG	Scott, CURV. CONFERENCE SUMMARY.
10872	ROC Revw S	BNL-51115	235	779	NDG	Huizenga+ CURV. MAX. FUSION SIGMA
10873	ANL Expt J PR/C	17	2136	678 3.0+1	8.1+1	Tabor+ TBL. CURV. FUS SIG FRM EVAP RES
	Expt C	77TOKYO	660	977	NDG	Kovar+ CURV. MAX. FUSION SIGMA.
		$^{24}\text{Mg}(^{10}\text{O},\text{total})$	$\sigma(E)$			
10874	ANL Expt J PR/C	17	2136	678 3.0+1	8.1+1	Tabor+CURV. FRM OM FIT TO ELAS. CFD FUS
		$^{24}\text{Mg}(^{10}\text{O},2p)^{38}\text{Ar}$	partial relative $\sigma(E)$			
10875	UTR Expt J NP/A	321	515	679 3.3+1	4.8+1	Aerts+CURV.3 GS.YRST STUDY. 45MEV OPT.
		$^{26}\text{Mg}(^{10}\text{O},x)$	compound-nucleus $\sigma(E)$			
10876	BRK Revw S	BNL-51115	905	779	NDG	Scott, CURV. CONFERENCE SUMMARY.
10877	ROC Revw S	BNL-51115	235	779	NDG	Huizenga+ CURV. MAX. FUSION SIGMA
10878	ANL Expt J PR/C	17	2136	678 3.0+1	8.1+1	Tabor+ TBL. CURV. FUS SIG FRM EVAP RES
	Expt C	77TOKYO	660	977	NDG	Kovar+ CURV. MAX. FUSION SIGMA.
10879	CRC Theo J PRL	41	1529	N78 3.7+1	1.2+2	Horn+ CURV. CN+ENTR. CHAN. PAR. CFD EXP
	Expt J NP/A	311	238	N78 4.0+1	1.1+2	Horn+ TBL. CURV. FUSION FROM EVAP. RESI
		$^{26}\text{Mg}(^{10}\text{O},\text{total})$	$\sigma(E)$			
10880	ANL Expt J PR/C	17	2136	678 3.0+1	8.1+1	Tabor+CURV. FRM OM FIT TO ELAS. CFD FUS
		$^{26}\text{Mg}(^{10}\text{O},^{14}\text{C})^{28}\text{Si}$	product yield			
10881	BNL Expt A BAP	24	570	479 3.7+1	5.7+1	Barrette+ NDG. BROAD STRUCTURE.
		$^{26}\text{Mg}(^{10}\text{O},^{14}\text{C})^{28}\text{Si}$	$\sigma(E)$			
10882	ANL Expt P ANL-79-40	39	79	4.1+1	5.3+1	Henning+ NDG. NO EVIDENCE FOR STRUCTURE
	Expt A BAP	23	934	978 4.1+1	5.3+1	Henning+ NDG.
		$^{26}\text{Mg}(^{10}\text{O},^{12}\text{C})^{30}\text{Si}$	product yield			
10883	BNL Expt A BAP	24	570	479 3.7+1	5.7+1	Barrette+ NDG. BROAD STRUCTURE.
		$^{26}\text{Mg}(^{10}\text{O},^{12}\text{C})^{30}\text{Si}$	$\sigma(E)$			
10884	ANL Expt P ANL-79-40	39	79	NDG		Henning+ NDG. SOME EVIDENCE OF STRUCT.
		$^{26}\text{Mg}(^{10}\text{O},x)^{37}\text{Cl}$	relative I_γ			
10885	UTR Expt J NP/A	285	167	777 3.4+1		Eggenhuisen+ TBL. 4 G'S.
		$^{26}\text{Mg}(^{10}\text{O},x)^{37}\text{Ar}$	relative I_γ			
10886	UTR Expt J NP/A	285	167	777 3.4+1		Eggenhuisen+ TBL. 1 G'S.
		$^{26}\text{Mg}(^{10}\text{O},2p)^{40}\text{Ar}$	relative I_γ			
10887	UTR Expt J NP/A	285	167	777 3.4+1		Eggenhuisen+ TBL. 3 G'S.
		$^{26}\text{Mg}(^{10}\text{O},n+p)^{40}\text{K}$	relative I_γ			
10888	UTR Expt J NP/A	285	167	777 2.6+1	4.9+1	Eggenhuisen+ CURV. 6 G'S. THETA=90 DEG.
	Expt J NP/A	285	167	777 3.4+1		Eggenhuisen+ TBL. 10 G'S.
		$^{26}\text{Mg}(^{10}\text{O},x)$	charge distribution $\sigma(E)$			
10889	CRC Expt A BAP	22	1021	977	NDG	Horn+ NDG. EVAP. RES.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{27}\text{Al}(^{16}\text{O},x)$ compound-nucleus $\sigma(E)$						
10890	BRK	Rev S	BNL-51115	905	779	NDG
10891	GRA	Rev S	LYCEN-7902	379	2.0+1	1.4+2 Fleury, P. C. 7.1. FUSION. CURV.
10892	JLU	Rev C	76ANL-2	1	341 476 2.1+1	9.9+9 Mosel. CURV.
10893	RDC	Rev S	BNL-51115	235	779 2.2+1	1.5+2 Huizenga+ CURV. CFD EXPT + MODELS.
		Rev S	BNL-51115	235	779	NDG Huizenga+ CURV. MAX. FUSION SIGMA
10894	PAR	Rev J	APH	3	5 78 2.3+1	1.6+2 Lefort+ CURV. FUSION. CFD THEORY TO EXP
		Rev J	NIM	146	225 077 9.0+1	1.0+2 Peter. TBL. PR/C 13, 682(1976).
		Rev J	RPP	39	129 76 5.1+1	1.1+2 Lefort. TBL. SUM OF EVAP. RES.
		Rev C	74NASH	2	81 674 1.7+2	Lefort+ 860MB, 74NASH, 1.112(1974).
10895	DUB	Theo J	IZV	41	1650 77 2.5+1	1.6+2 Afanasev+ CURV. BOUNDARY COND. MODEL.
		Theo J	BAS	41	98 78 2.5+1	1.6+2 . TRANSLATION OF IZV 41(8), 1650(1977)
10896	ORL	Rev C	77TENN	22	77 2.6+1	4.5+1 Stokstead. CURV. WIS77/19-PH+PR/C 13, 1527
10897	RDC	Theo J	PRL	40	1122 478 2.6+1	1.6+2 Birkelund+ CURV. FUSION. DYNAMICAL MOD.
10898	WZI	Exth J	NP/A	291	459 N77 2.7+1	4.2+1 Eisen+TBL. CURV. INT DA/DE OF EVAP. RES
10899	GRE	Expt P	15N-77-01	55	76 3.3+1	1.0+2 Darves-Blanc+ NDG.
10900	KLN	Expt J	PR/C	20	1028 979 3.4+1	8.1+1 Rascher+ IBL. CURV. FRM EVAP. RES.
10901	OXF	Rev J	NCR	1	1 78 3.9+1	9.9+9 Hodgson. CURV. 76ANL, 341(1976)
10902	ANL	Expt J	PR/C	20	1305 079 5.0+1	1.0+2 Kovar+ TBL. CURV. FUSION.
		Expt C	77TOKYO		660 977	NDG Kovar+ CURV. MAX. FUSION SIGMA.
10903	NBI	Exth J	NP/A	316	189 379 5.0+1	6.0+1 Kuang-Hsi+ TBL. FUS. FROM 2 REFERENCES.
		Exth J	NP/A	285	317 777 2.0+1	9.9+9 Back+ CURV. GLAS-MODEL MODEL
		Exth J	NP/A	285	317 777 5.0+1	8.0+1 Back+ TBL. INTAD EVAP. RES..
10904	YAL	Expt C	77TOKYO		664 977 5.0+1	8.0+1 Belts+ CURV. FROM PR/C 13, 682
$^{27}\text{Al}(^{16}\text{O},x)$ partial $\sigma(E)$						
10905	NBI	Exth J	NP/A	285	317 777 6.1+1	8.0+1 Back+ TBL. QUASI-ELASTIC.
10906	JLU	Rev C	76ANL-2	1	341 476 9.1+1	1.0+2 Mosel. QUASIELASTIC APP. 170MB.
		Rev C	76ANL-2	1	341 476 9.1+1	1.0+2 Mosel. DEEP INELASTIC=260MB + 481MB.
$^{27}\text{Al}(^{16}\text{O},x)$ compound-nucleus $\sigma(E)$ x factor						
10907	PAR	Rev J	APH	3	5 78 1.6+1	2.4+2 Lefort+ CURV. FUSION. FCT=1/(PI*LAMBDA2
		Rev J	JPRC	37	57 N76 2.5+1	3.8+2 Lefort. CURV.
		Rev J	RPP	39	129 76 3.0+1	1.5+2 Lefort. CURV. FCT=1/(PI*LAMBDA**2)
10908	NBI	Rev C	73TRIEST	1	295 973 1.1+2	Siemens. TBL. L(CRIT) FRM LEFORT COMPI
$^{27}\text{Al}(^{16}\text{O},x)$ $\sigma(E)$						
10909	PAR	Rev J	NIM	146	225 077 9.0+1	1.0+2 Peter. TBL. QUASI-FISSION. PR/C 13, 682
$^{27}\text{Al}(^{16}\text{O},x)$ $\sigma(E)$ x factor						
10910	PAR	Rev J	NIM	146	225 077 9.0+1	1.0+2 Peter. TBL. QUASI-F/ABS. PR/C 13, 682
$^{27}\text{Al}(^{16}\text{O},x)$ product yield						
10911	IEA	Expt P	INDC(SEC)-5042	176	NDG	Acquadro+ NDG. PRELIMINARY REPORT.
$^{27}\text{Al}(^{16}\text{O},\text{absorption})$ $\sigma(E)$						
10912	DUB	Theo J	IZV	41	2121 77 2.0+1	2.0+2 Afanasev+ CURV. EFFECT OF IMAG. POT.
		Theo J	BAS	41	112 78 2.0+1	2.0+2 . TRANSLATION OF IZV 41(10), 2121(1977).
10913	JLU	Rev C	76ANL-2	1	341 476 2.1+1	9.9+9 Mosel. CURV.
10914	DUB	Theo J	IZV	41	1650 77 2.5+1	1.6+2 Afanasev+ CURV. BOUNDARY COND. MODEL.
		Theo J	BAS	41	98 77 2.5+1	1.6+2 . TRANSLATION OF IZV 41(8), 1650(1977)
10915	WZI	Exth J	NP/A	291	459 N77 2.7+1	4.2+1 Eisen+TBL. CURV. OPT. MOD. CFD EXP. FUS SIG
10916	OXF	Rev J	NCR	1	1 78 3.9+1	9.9+9 Hodgson. CURV. 76ANL, 341(1976)
10917	PAR	Rev J	NIM	146	225 077 9.0+1	1.0+2 Peter. TBL. PR/C 13, 682(1976).
$^{27}\text{Al}(^{16}\text{O},\text{total})$ $\sigma(E)$						
10918	DUB	Theo J	IZV	41	2121 77 1.0+1	2.0+2 Afanasev+ CURV. EFFECT OF IMAG. PART.
		Theo J	BAS	41	112 77 1.0+1	2.0+2 . TRANSLATION OF IZV 41(10), 2121(1977)
10919	NBI	Exth J	NP/A	285	317 777 5.0+1	8.0+1 Back+ TBL. FUS+Q-E AND O.M.
		Exth J	NP/A	285	317 777 2.6+1	7.2+1 Back+ CURV. O.M.
$^{27}\text{Al}(^{16}\text{O},x)n$ $\sigma(E)$						
10920	FSU	Theo A	74NASH	1	52 674 1.6+1	7.5+1 Holub+ NDG. STAT. EVAP. CODE.
$^{27}\text{Al}(^{16}\text{O},x)^1\text{H}$ $\sigma(E)$						
10921	FSU	Theo A	74NASH	1	52 674 1.6+1	7.5+1 Holub+ NDG. STAT. EVAP. CODE.
$^{27}\text{Al}(^{16}\text{O},x)^4\text{He}$ ν						
10922	STB	Expt A	DA/B	39	4949 479 6.6+1	1.0+2 Harris. A MULT. APP.= 1.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
	$^{27}\text{Al}((^{16}\text{O},\text{x})^{4}\text{He})$	$\sigma(\text{E})$			
10923	FSU Theo A 74NASH	1	52	674	1.6+1 7.5+1 Holub+ NDG. STAT. EVAP. CODE.
	$^{27}\text{Al}((^{16}\text{O},\text{x})^{7}\text{Be})$	thick target yield*factor			
10924	FSU Expt J PL/B	43	375	373	3.5+1 5.8+1 Holub+ CURV. ACTIV. FCT=THICKNESS
	$^{27}\text{Al}((^{16}\text{O},3\alpha)^{31}\text{P})$	$\sigma(\text{E})$			
10925	NBI Exth J NP/A	316	189	379	5.0+1 6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},\text{p}+2\alpha)^{34}\text{S})$	$\sigma(\text{E})$			
10926	NBI Exth J NP/A	316	189	379	5.0+1 6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},2\alpha+\text{p})^{34}\text{S})$	$\sigma(\text{E})$			
10927	NBI Exth J NP/A	316	189	379	5.0+1 6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},\alpha+\text{p}+\alpha)^{34}\text{S})$	$\sigma(\text{E})$			
10928	NBI Exth J NP/A	316	189	379	5.0+1 6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},\text{x})^{34}\text{Cl})$	thick target yield*factor			
10929	FSU Expt J PL/B	43	375	373	3.5+1 5.8+1 Holub+ CURV. ACTIV. FCT=THICKNESS
	$^{27}\text{Al}((^{16}\text{O},\alpha+\text{n}+\alpha)^{34}\text{Cl})$	$\sigma(\text{E})$			
10930	NBI Exth J NP/A	316	189	379	6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},2\alpha)^{39}\text{Cl})$	$\sigma(\text{E})$			
10931	NBI Exth J NP/A	316	189	379	5.0+1 6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},\text{p}+\alpha+\text{p})^{37}\text{Cl})$	$\sigma(\text{E})$			
10932	NBI Exth J NP/A	316	189	379	5.0+1 6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},2\text{p}+\alpha)^{37}\text{Cl})$	$\sigma(\text{E})$			
10933	NBI Exth J NP/A	316	189	379	5.0+1 6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},\alpha+2\text{p})^{37}\text{Cl})$	$\sigma(\text{E})$			
10934	NBI Exth J NP/A	316	189	379	5.0+1 6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},\text{n}+\alpha+\text{p})^{37}\text{Ar})$	$\sigma(\text{E})$			
10935	NBI Exth J NP/A	316	189	379	6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},\text{n}+\text{p}+\alpha)^{37}\text{Ar})$	$\sigma(\text{E})$			
10936	NBI Exth J NP/A	316	189	379	5.0+1 6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},\text{p}+\text{n}+\alpha)^{37}\text{Ar})$	$\sigma(\text{E})$			
10937	NBI Exth J NP/A	316	189	379	6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},\text{p}+\alpha)^{38}\text{Ar})$	$\sigma(\text{E})$			
10938	NBI Exth J NP/A	316	189	379	5.0+1 6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},\alpha+\text{p})^{38}\text{Ar})$	$\sigma(\text{E})$			
10939	NBI Exth J NP/A	316	189	379	5.0+1 6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},3\text{p})^{40}\text{Ar})$	$\sigma(\text{E})$			
10940	NBI Exth J NP/A	316	189	379	5.0+1 6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},\text{x})^{38}\text{K})$	thick target yield*factor			
10941	FSU Expt J PL/B	43	375	373	2.2+1 5.8+1 Holub+ CURV. ACTIV. FCT=THICKNESS
	$^{27}\text{Al}((^{16}\text{O},\text{n}+\alpha)^{38}\text{K})$	$\sigma(\text{E})$			
10942	NBI Exth J NP/A	316	189	379	6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},\text{n}+2\text{p})^{40}\text{K})$	$\sigma(\text{E})$			
10943	NBI Exth J NP/A	316	189	379	5.0+1 6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},\text{p}+\text{n}+\text{p})^{40}\text{K})$	$\sigma(\text{E})$			
10944	NBI Exth J NP/A	316	189	379	6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},2\text{p})^{41}\text{K})$	$\sigma(\text{E})$			
10945	NBI Exth J NP/A	316	189	379	5.0+1 6.0+1 Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
	$^{27}\text{Al}((^{16}\text{O},\text{n}+\text{p})^{41}\text{Ca})$	$\sigma(\text{E})$			
10946	KLN Theo J NP/A	307	515	978	3.5+1 7.0+1 Hellmeister+ NDG. STATIS. MODEL.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
	$^{27}\text{Al}(^{16}\text{O},n,p)^{41}\text{Ca}$ partial relative $\sigma(E)$				
10947	KLN Theo J NP/A 307	515 978	2.5+1	5.0+1	Hellmeister+ CURV. 6 GS. STATIS. MODEL.
	Expt A 7NASH 1	51 674	2.5+1	5.0+1	Dauk+ CURV. TBL. 6 GAMMAS.
	$^{27}\text{Al}(^{16}\text{O},x)^{43}\text{Sc}$ compound-nucleus $\sigma(E)$				
10948	THD Theo J NP/A 280	267 477	3.0+1	8.0+1	Puhlhofer, TBL.
	$^{27}\text{Al}(^{16}\text{O},y)^{43}\text{Sc}$ $\sigma(E)$				
10949	MIT Exth J PR/C 18	2560 078	5.0+1	6.5+1	Branford+ CURV. MEAS. UPP LMT/HFIC CALC
	$^{27}\text{Al}(^{16}\text{O},x)$ mass distribution $\sigma(E)$				
10950	THD Theo J NP/A 280	267 477	3.0+1	8.0+1	Puhlhofer. CURV. EVAP. RES. A=27-41.
10951	NBI Exth J NP/A 285	317 777	6.0+1	8.0+1	Back+ CURV. A=30-41. EXP./CALC. EVP RES
	$^{27}\text{Al}(^{16}\text{O},x)$ isotopic distribution product yield				
10952	STR Expt A DA/B 39	4949 479	6.6+1	1.0+2	Harris. NDG. CFD STATISTICAL INTERPRE.
	$^{27}\text{Al}(^{16}\text{O},x)$ isotopic distribution partial $\sigma(E)$				
10953	TSU Expt J PR/C 21	620 280	8.8+1		Mikumo+ TBL. 11 PRODUCTS. 5-MEV GROUPS.
	$^{27}\text{Al}(^{16}\text{O},x)$ isotopic distribution $\sigma(E)$				
10954	TNL Expt P A-TNL-79	99 79	6.4+1		Varghese+ NDG. STCKD-FOILS. IMPLANTATION
	$\text{Si}(^{16}\text{O},x)$ compound-nucleus $\sigma(E)$				
10955	KLN Expt J PR/C 20	1028 979	3.4+1	8.1+1	Rascher+ TBL. CURV. FRM EVAP. RES.
	$^{28}\text{Si}(^{16}\text{O},x)$ compound-nucleus $\sigma(E)$				
10956	BRK Revv S BNL-51115	905 779	NDG		Scott. CURV. CONFERENCE SUMMARY.
10957	ROC Revv S BNL-51115	235 779	NDG		Huizenga+ CURV. MAX. FUSION SIGMA
10958	PUP Expt J PL/B 87	38 079	2.1+1	6.1+1	Jordan+ CURV. FUSION. FROM EVAP. RESIDU
10959	YAL Expt J PR/C 21	175 180	5.0+1	6.5+1	Bellis+ STRUCTURE LESS THAN 4 PRCNT.
	$^{28}\text{Si}(^{16}\text{O},x)y$ $\sigma(E)$				
10960	YAL Expt A BAP 23	16 178	5.0+1	6.5+1	Bellis+ NDG.
	$^{28}\text{Si}(^{16}\text{O},^{12}\text{C})^{32}\text{S}$ partial $\sigma(E)$				
10961	PUP Expt A BAP 23	941 978	4.6+1	5.2+1	Peng+ NDG. G.S.+1RST. STRUCTURE FOUND.
	$^{28}\text{Si}(^{16}\text{O},x)^{38}\text{Ar}$ partial raw $\sigma(E)$				
10962	YAL Expt J PR/C 21	175 180	5.0+1	6.5+1	Bellis+ CURV. 670-KEV G. THETA=90 DEG.
	$^{28}\text{Si}(^{16}\text{O},x)^{38}\text{Ar}$ $\sigma(E)$				
10963	STR Revv S LYCEN-7902	379 3.6+1	5.5+1		Haas+ P. S.6.1. CURV. G-METH.
	$^{28}\text{Si}(^{16}\text{O},x)^{38}\text{K}$ $\sigma(E)$				
10964	STR Revv S LYCEN-7902	379 3.1+1	5.5+1		Haas+ P. S.6.1. CURV. G-METH.
	$^{28}\text{Si}(^{16}\text{O},x)^{39}\text{K}$ relative I_y				
10965	UTR Expt J NP/A 305	245 778	4.5+1		Eggenhuisen+ TBL. 16GS. ALSO A2 AND A4
	$^{28}\text{Si}(^{16}\text{O},x)^{39}\text{K}$ partial raw $\sigma(E)$				
10966	YAL Expt J PR/C 21	175 180	5.0+1	6.5+1	Bellis+ CURV. 4 GAMMAS. THETA=90 DEG.
	$^{28}\text{Si}(^{16}\text{O},\alpha)^{40}\text{Ca}$ partial compound-nucleus $\sigma(E)$				
10967	MUN Expt P BLM-JB-77	16 478	2.4+1	4.6+1	Appel+CURV. INTAD(130-170).GS TO 5.3MEV
	$^{28}\text{Si}(^{16}\text{O},\alpha)^{40}\text{Ca}$ $\sigma(E)$				
10968	MUN Expt J PR/C 19	291 179	2.5+1	4.5+1	Singh+CURV. INTAD. ALSO HAUSER-FESHBACH
	$^{28}\text{Si}(^{16}\text{O},x)^{41}\text{Ca}$ $\sigma(E)$				
10969	STR Revv S LYCEN-7902	379 3.6+1	5.5+1		Haas+ P. S.6.1. CURV. G-METH.
	$^{28}\text{Si}(^{16}\text{O},x)^{41}\text{Ca}$ partial raw $\sigma(E)$				
10970	YAL Expt J PR/C 21	175 180	5.0+1	6.5+1	Bellis+ CURV. 2 GAMMAS. THETA=90 DEG.
	$^{28}\text{Si}(^{16}\text{O},x)^{42}\text{Ca}$ cumulative? $\sigma(E)$				
10971	STR Revv S LYCEN-7902	379 3.1+1	5.5+1		Haas+ P. S.6.1. CURV. G-METH.
	$^{28}\text{Si}(^{16}\text{O},x)^{42}\text{Ca}$ $\sigma(E)$				
10972	STR Revv S LYCEN-7902	379 3.1+1	5.5+1		Haas+ P. S.6.1. CURV. G-METH.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{20}\text{Si}(^{16}\text{O},2\text{p})^{42}\text{Ca}$ relative I_γ			
10973	UTR Expt J NP/A	305 245 778	4.5+1		Eggenhuisen+ TBL. 17GS. ALSO A2 AND A4
		$^{20}\text{Si}(^{16}\text{O},2\text{p})^{42}\text{Ca}$ partial raw $\sigma(E)$			
10974	YAL Expt J PR/C	21 175 180	5.0+1	6.5+1	Bellis+ CURV. 2 GAMMAS. THETA=90 DEG.
		$^{20}\text{Si}(^{16}\text{O},x)$ compound-nucleus $\sigma(E)$			
10975	PUP Expt J PL/B	87 38 079	2.1+1	6.1+1	Jordan+ CURV. FUSION. FROM EVAP. RESIDU
		$^{30}\text{Si}(^{16}\text{O},x)$ compound-nucleus $\sigma(E)$			
10976	PUP Expt J PL/B	87 38 079	2.1+1	6.1+1	Jordan+ CURV. FUSION. FROM EVAP. RESIDU
		$^{32}\text{S}(^{16}\text{O},3\text{n})^{45}\text{Cr}$ product yield			
10977	BRK Revv J ARN	27 333 77	NDG		Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
		$^{32}\text{S}(^{16}\text{O},3\text{n})^{45}\text{Cr}$ $\sigma(E)$			
10978	BRK Revv S CERN-76-13	225 676	NDG		Cerny. APP. 1200 NANOBS.
		$^{34}\text{S}(^{16}\text{O},2\text{n})^{48}\text{Cr}$ partial relative $\sigma(E)$			
10979	AAU Expt J NP/A	327 193 979	3.4+1		Hansen+ CHECK ON $^{53}\text{Cr}(^{16}\text{O},\text{N}+\text{P})$ RESULTS.
		$^{35}\text{Cl}(^{16}\text{O},\text{n}+\text{p}+\alpha)^{45}\text{Ti}$ partial $\sigma(E)$			
10980	PAD Expt J NP/A	299 479 578	3.5+1	7.5+1	Fortuna+ CURV. 9 GS. MUNICH VOGT.
		$^{39}\text{K}(^{16}\text{O},x)^{52}\text{Mn}$ relative I_γ			
10981	BUC Expt J NP/A	272 243 76	3.7+1	5.2+1	Avriganu+ CURV. TBL.
		$^{41}\text{K}(^{16}\text{O},\text{inelastic})^{41}\text{K}$ partial $\sigma(E)_\gamma$			
10982	LVP Expt J JPGL	3 267 077	2.2+1	2.4+1	Lister+ NDG. DEDUCED B(E2).
		$^{40}\text{Ca}(^{16}\text{O},x)$ compound-nucleus $\sigma(E)$			
10983	INU Expt W NEWSLETTER	25 6 779	NDG		Vigdor. NDG. FUS. TO PR/C.
	Expt A BAP	23 615 478	4.0+1	6.3+1	Vigdor+ NDG. FUSION. DEDUCED DIFFUSIONNESS
	Expt W NEWSLETTER	22 278	NDG		Vigdor. NDG. APRIL APS MEETING.
10984	CAL Theo A BAP	23 955 978	TR	3.2+2	Koonin+ NDG. MASS ASYMMETRIC TDHF MODEL
10985	DUB Theo J IZV	41 1650 77	2.5+1	1.5+2	Afanasev+ CURV. BOUNDARY COND. MODEL.
	Theo J BAS	41 98 78	2.5+1	1.5+2	. TRANSLATION OF IZV 41(8), 1650(1977)
10986	DUB Theo J YF	26 92 777	2.8+1	2.8+2	Afanasev+ CURV. BRUEKNER AND THOMAS MOD
	Theo J SNP	26 48 777	2.8+1	2.8+2	. TRANSLATION OF YF 26, 92(1977).
10987	ANL Exth J PR/C	20 2147 079	4.0+1	2.1+2	Vigdor. TBL. CURV. FUS FROM EVAP. RESIDU
	Expt J PR/C	18 284 778	5.7+1	6.3+1	Geesaman+TBL. CURV. FUSION FROM EVAP RES
	Expt C 777OKYO	660 977	NDG		Kovar+ CURV. MAX. FUSION SIGMA.
	Revv C 76ANL-2	1 95 476	5.6+1		Vigdor. CURV. FUS = SUM OF EVAP RES.
	Revv C 76ANL-2	1 95 476	4.0+1	9.9+9	Vigdor. CURV. FUSION.
10988	SAC Theo J PR/C	20 641 879	4.0+1	3.5+2	Bonche+ CURV. TDHF. LOCAL + FULL SKYRME
	Revv S LYCEN-7902	379 3.5+1	3.5+2	Bonche. P. C.3.1. TDHF. FUS. CURV.	
10989	BRK Revv S BNL-51115	905 779	4.2+1	3.5+2	Scott. CURV. CONFERENCE SUMMARY.
10990	HEI Revv J NIM	146 199 077	5.6+1		Zeidman. CURV.
10991	NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Hsi+ TBL. FUS. FROM 2 REFERENCES.
10992	BRK Expt P ANL-76-96	29 77 1.0+2	2.1+2		Vigdor+ CURV. SUM OF EVAP. RES.
		$^{40}\text{Ca}(^{16}\text{O},x)$ direct-interaction $\sigma(E)$			
10993	ANL Revv C 76ANL-2	1 95 476	5.6+1		Vigdor. CURV. TRANSFER PROCESSES.
		$^{40}\text{Ca}(^{16}\text{O},x)$ $\sigma(E)$			
10994	ANL Revv C 76ANL-2	1 95 476	5.6+1		Vigdor. CURV. FUNC. OF NUCLEON TRANS.
		$^{40}\text{Ca}(^{16}\text{O},x)$ partial $\sigma(E)$			
10995	HEI Revv J NIM	146 199 077	5.6+1		Zeidman. CURV. TRANSF.+INL.
		$^{40}\text{Ca}(^{16}\text{O},\text{absorption})$ $\sigma(E)$			
10996	DUB Theo J IZV	41 1650 77	2.5+1	1.6+2	Afanasev+ CURV. BOUNDARY COND. MODEL.
	Theo J BAS	41 98 78	2.5+1	1.6+2	. TRANSLATION OF IZV 41(8), 1650(1977)
10997	DUB Theo J YF	26 92 777	2.8+1	2.8+2	Afanasev+ CURV. BRUEKNER AND THOMAS MOD
	Theo J SNP	26 48 777	2.8+1	2.8+2	. TRANSLATION OF YF 26, 92(1977).
10998	ANL Exth J PR/C	20 2147 079	4.0+1	2.1+2	Vigdor. TBL. CURV. OPTICAL MODEL.
	Revv C 76ANL-2	1 95 476	5.6+1		Vigdor. CURV. SUM OF FUS+DI CMPTD TO OM
	Revv C 76ANL-2	1 95 476	4.0+1	9.9+9	Vigdor. CURV. FUSION.
10999	HEI Revv J NIM	146 199 077	5.6+1		Zeidman. CURV.
11000	BRK Expt P ANL-76-96	29 77 1.0+2	2.1+2		Vigdor+ CURV. FROM O. M.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{40}\text{Ca}(^{18}\text{O},x)\gamma$ prompt $\sigma(E)$			
11001	ANL Expt A BAP	22 630 477	5.0+1	6.3+1	Geesaman+ NDG.
		$^{40}\text{Ca}(^{18}\text{O},x)\gamma$ partial relative $\sigma(E)$			
11002	ANL Expt J PR/C	18 284 778	4.5+1	6.3+1	Geesaman+ CURV. E GT 525 AND GT 125 KEV
		$^{40}\text{Ca}(^{18}\text{O},\text{Inelastic})^{40}\text{Ca}$ $\sigma(E)$			
11003	ANL Expt P ANL-76-96	25 77	5.6+1		Vigdor+ CURV.
	Revw C 76ANL-2	1 95 476	5.6+1		Vigdor. CURV.
11004	HEI Revw J NIM	146 199 077	5.6+1		Zeidman. CURV. QUASI-ELASTIC
		$^{40}\text{Ca}(^{18}\text{O},^{14}\text{N})^{42}\text{Sc}$ $\sigma(E)$			
11005	ANL Revw C 76ANL-2	1 95 476	5.6+1		Vigdor. CURV. FUNC. OF G.S. Q-VALUE.
		$^{40}\text{Ca}(^{18}\text{O},x)^{43}\text{Sc}$ $\sigma(E)$			
11006	JCL Expt P A-JCL-77	66 077	8.9+1		Morinaga+ TBL. THICK=26 MEV.
		$^{40}\text{Ca}(^{18}\text{O},^{13}\text{N})^{43}\text{Sc}$ $\sigma(E)$			
11007	ANL Revw C 76ANL-2	1 95 476	5.6+1		Vigdor. CURV. FUNC. OF G.S. Q-VALUE.
		$^{40}\text{Ca}(^{18}\text{O},x)^{44}\text{Sc}$ $\sigma(E)$			
11008	JCL Expt P A-JCL-77	66 077	8.9+1		Morinaga+ TBL. THICK=26 MEV.
		$^{40}\text{Ca}(^{18}\text{O},p+2\alpha)^{47}\text{V}$ $\sigma(E)$			
11009	NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
		$^{40}\text{Ca}(^{18}\text{O},2\alpha+p)^{47}\text{V}$ $\sigma(E)$			
11010	NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
		$^{40}\text{Ca}(^{18}\text{O},\alpha+p+\alpha)^{47}\text{V}$ $\sigma(E)$			
11011	NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
		$^{40}\text{Ca}(^{18}\text{O},x)^{48}\text{Cr}$ $\sigma(E)$			
11012	JCL Expt P A-JCL-77	66 077	8.9+1		Morinaga+ TBL. THICK=26 MEV.
		$^{40}\text{Ca}(^{18}\text{O},2\alpha)^{48}\text{Cr}$ $\sigma(E)$			
11013	NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
		$^{40}\text{Ca}(^{18}\text{O},x)^{49}\text{Cr}$ $\sigma(E)$			
11014	JCL Expt P A-JCL-77	66 077	8.9+1		Morinaga+ TBL. THICK=26 MEV.
		$^{40}\text{Ca}(^{18}\text{O},x)^{50}\text{Cr}$ partial relative $\sigma(E)$			
11015	ANL Expt J PR/C	18 284 778	4.5+1	6.3+1	Geesaman+ CURV. 783 KEV G.
		$^{40}\text{Ca}(^{18}\text{O},p+\alpha+p)^{50}\text{Cr}$ $\sigma(E)$			
11016	NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
		$^{40}\text{Ca}(^{18}\text{O},2p+\alpha)^{50}\text{Cr}$ $\sigma(E)$			
11017	NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
		$^{40}\text{Ca}(^{18}\text{O},\alpha+2p)^{50}\text{Cr}$ $\sigma(E)$			
11018	NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
		$^{40}\text{Ca}(^{18}\text{O},n+\alpha+p)^{50}\text{Mn}$ $\sigma(E)$			
11019	NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
		$^{40}\text{Ca}(^{18}\text{O},n+p+\alpha)^{50}\text{Mn}$ $\sigma(E)$			
11020	NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
		$^{40}\text{Ca}(^{18}\text{O},p+\alpha)^{51}\text{Mn}$ $\sigma(E)$			
11021	NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
		$^{40}\text{Ca}(^{18}\text{O},\alpha+p)^{51}\text{Mn}$ $\sigma(E)$			
11022	NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
		$^{40}\text{Ca}(^{18}\text{O},x)^{52}\text{Mn}$ partial relative $\sigma(E)$			
11023	ANL Expt J PR/C	18 284 778	4.5+1	6.3+1	Geesaman+ CURV. 870 KEV G.
		$^{40}\text{Ca}(^{18}\text{O},x)^{52}\text{Mn}$ $\sigma(E)$			
11024	JCL Expt P A-JCL-77	66 077	8.9+1		Morinaga+ TBL. THICK=26 MEV.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{40}\text{Ca}(^{16}\text{O},x)^{52}\text{Mn}$ $\sigma(E)$			
11025	JCL Expt P A-JCL-77	66 D77	8.9+1		Morinaga+ TBL. THICK=26 MEV.
		$^{40}\text{Ca}(^{16}\text{O},3p)^{53}\text{Mn}$ $\sigma(E)$			
11026	NBI Exth J NP/A 316	189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
		$^{40}\text{Ca}(^{16}\text{O},3p)^{53}\text{Mn}$ partial relative $\sigma(E)$			
11027	ANL Expt J PR/C 18	284 778	4.5+1	6.3+1	Geesaman+ CURV. 1441 KEV G.
		$^{40}\text{Ca}(^{16}\text{O},n+\alpha)^{51}\text{Fe}$ $\sigma(E)$			
11028	NBI Exth J NP/A 316	189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
		$^{40}\text{Ca}(^{16}\text{O},n+2p)^{53}\text{Fe}$ $\sigma(E)$			
11029	NBI Exth J NP/A 316	189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
		$^{40}\text{Ca}(^{16}\text{O},2p)^{54}\text{Fe}$ $\sigma(E)$			
11030	NBI Exth J NP/A 316	189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
		$^{40}\text{Ca}(^{16}\text{O},p)^{55}\text{Co}$ $\sigma(E)$			
11031	JCL Expt P A-JCL-77	66 D77	8.9+1		Morinaga+ TBL. THICK=26 MEV.
		$^{40}\text{Ca}(^{16}\text{O},3n)^{53}\text{Ni}$ $\sigma(E)$			
11032	BRK Expt P LBL-5075 Rev S CERN-76-13	11 D76 6.0+1 225 676	6.5+1		Viera+ APP 25NB. B-DLYD. P-ACTIV. Cerny. APP. 60 NANOB.
		$^{40}\text{Ca}(^{16}\text{O},x)^{56}\text{Ni}$ compound-nucleus $\sigma(E)$			
11033	ANL Expt A BAP 21	680 76	5.2+1	2.1+2	Vigdor+ NDG. DETECTED HEAVY RESIDUES
		$^{40}\text{Ca}(^{16}\text{O},x)$ mass distribution $\sigma(E)$			
11034	HEI Rev J NIM 146	199 077	5.6+1		Zeidman. CURV. QUASI-ELASTIC
		$^{40}\text{Ca}(^{16}\text{O},xn+y)$ isotopic distribution $\sigma(E)$			
11035	ANL Expt P ANL-76-96	23 77	5.6+1		Kovar+ CURV. FUNC OF NUCLEONS REMOVED
		$^{42}\text{Ca}(^{16}\text{O},x)$ compound-nucleus $\sigma(E)$			
11036	ANL Expt P ANL-76-96 Rev C 76ANL-2 1	25 77 5.6+1 95 476 5.6+1			Vigdor+ CURV. TRANSFER PROCESSES. Vigdor. CURV. FUS = SUM OF EVAP RES.
11037	HEI Rev J NIM 146	199 077	5.6+1		Zeidman. CURV.
		$^{42}\text{Ca}(^{16}\text{O},x)$ direct-interaction $\sigma(E)$			
11038	ANL Expt P ANL-76-96 Rev C 76ANL-2 1	25 77 5.6+1 95 476 5.6+1			Vigdor+ CURV. TRANSFER PROCESSES. Vigdor. CURV. TRANSFER PROCESSES.
		$^{42}\text{Ca}(^{16}\text{O},x)$ $\sigma(E)$			
11039	ANL Rev C 76ANL-2 1	95 476	5.6+1		Vigdor. CURV. FUNC. OF NUCLEON TRANS.
		$^{42}\text{Ca}(^{16}\text{O},x)$ partial $\sigma(E)$			
11040	HEI Rev J NIM 146	199 077	5.6+1		Zeidman. CURV. TRANSF.+INL.
		$^{42}\text{Ca}(^{16}\text{O},\text{absorption})$ $\sigma(E)$			
11041	ANL Expt P ANL-76-96 Rev C 76ANL-2 1	25 77 5.6+1 95 476 5.6+1			Vigdor+ CURV. TRANSFER PROCESSES. Vigdor. CURV. SUM OF FUS+DI CHPRD TO OM
11042	HEI Rev J NIM 146	199 077	5.6+1		Zeidman. CURV.
		$^{42}\text{Ca}(^{16}\text{O},\text{inelastic})^{42}\text{Ca}$ $\sigma(E)$			
11043	ANL Expt P ANL-76-96 Rev C 76ANL-2 1	25 77 5.6+1 95 476 5.6+1			Vigdor+ CURV. Vigdor. CURV.
11044	HEI Rev J NIM 146	199 077	5.6+1		Zeidman. CURV. QUASI-ELASTIC
		$^{42}\text{Ca}(^{16}\text{O},^{15}\text{N})^{43}\text{Sc}$ $\sigma(E)$			
11045	ANL Rev C 76ANL-2 1	95 476	5.6+1		Vigdor. CURV. FUNC. OF G.S. Q-VALUE.
		$^{42}\text{Ca}(^{16}\text{O},^{14}\text{N})^{44}\text{Sc}$ $\sigma(E)$			
11046	ANL Rev C 76ANL-2 1	95 476	5.6+1		Vigdor. CURV. FUNC. OF G.S. Q-VALUE.
		$^{42}\text{Ca}(^{16}\text{O},^{13}\text{N})^{45}\text{Sc}$ $\sigma(E)$			
11047	ANL Rev C 76ANL-2 1	95 476	5.6+1		Vigdor. CURV. FUNC. OF G.S. Q-VALUE.
		$^{42}\text{Ca}(^{16}\text{O},x)$ mass distribution $\sigma(E)$			
11048	HEI Rev J NIM 146	199 077	5.6+1		Zeidman. CURV. QUASI-ELASTIC

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
⁴² Ca(¹⁶ O,xn+yp) isotopic distribution $\sigma(E)$					
11049	ANL Expt P	ANL-76-96 23	77	5.6+1	Kovar+ CURV. FUNC OF NUCLEONS REMOVED
⁴⁴ Ca(¹⁶ O,x) compound-nucleus $\sigma(E)$					
11050	ANL Expt P	ANL-76-96 25	77	5.6+1	Vigdor+ CURV. SUM OF EVAP. RESIDUE.
	Revw C	76ANL-2 1	95	476	5.6+1 Vigdor. CURV. FUS = SUM OF EVAP RES.
11051	HEI Revw J	NIM 146	199	077	5.6+1 Zeidman. CURV.
⁴⁴ Ca(¹⁶ O,x) direct-interaction $\sigma(E)$					
11052	ANL Expt P	ANL-76-96 25	77	5.6+1	Vigdor+ CURV. TRANSFER PROCESSES.
	Revw C	76ANL-2 1	95	476	5.6+1 Vigdor. CURV. TRANSFER PROCESSES.
⁴⁴ Ca(¹⁶ O,x) partial $\sigma(E)$					
11053	HEI Revw J	NIM 146	199	077	5.6+1 Zeidman. CURV. TRANSF.+INL.
⁴⁴ Ca(¹⁶ O,absorption) $\sigma(E)$					
11054	ANL Expt P	ANL-76-96 25	77	5.6+1	Vigdor+ CURV. SUM FUS + DI CMPRD TO OM.
	Revw C	76ANL-2 1	95	476	5.6+1 Vigdor. CURV. SUM OF FUS+DI CMPRD TO OM
11055	HEI Revw J	NIM 146	199	077	5.6+1 Zeidman. CURV.
⁴⁴ Ca(¹⁶ O,inelastic) ⁴⁴ Ca $\sigma(E)$					
11056	ANL Expt P	ANL-76-96 25	77	5.6+1	Vigdor+ CURV.
	Revw C	76ANL-2 1	95	476	5.6+1 Vigdor. CURV.
11057	HEI Revw J	NIM 146	199	077	5.6+1 Zeidman. CURV. QUASI-ELASTIC
⁴⁴ Ca(¹⁶ O, ¹⁵ N) ⁴⁵ Sc $\sigma(E)$					
11058	ANL Revw C	76ANL-2 1	95	476	5.6+1 Vigdor. CURV. FUNC. OF G.S. Q-VALUE.
⁴⁴ Ca(¹⁶ O, ¹⁴ N) ⁴⁶ Sc $\sigma(E)$					
11059	ANL Revw C	76ANL-2 1	95	476	5.6+1 Vigdor. CURV. FUNC. OF G.S. Q-VALUE.
⁴⁴ Ca(¹⁶ O, ¹³ N) ⁴⁷ Sc $\sigma(E)$					
11060	ANL Revw C	76ANL-2 1	95	476	5.6+1 Vigdor. CURV. FUNC. OF G.S. Q-VALUE.
⁴⁴ Ca(¹⁶ O,x) mass distribution $\sigma(E)$					
11061	HEI Revw J	NIM 146	199	077	5.6+1 Zeidman. CURV. QUASI-ELASTIC
⁴⁴ Ca(¹⁶ O,xn+yp) isotopic distribution $\sigma(E)$					
11062	ANL Expt P	ANL-76-96 23	77	5.6+1	Kovar+ CURV. FUNC OF NUCLEONS REMOVED
	Revw C	76ANL-2 1	95	476	5.6+1 Vigdor. CURV. FUNC. OF NUCLEON TRANS.
⁴⁸ Ca(¹⁶ O,x) compound-nucleus $\sigma(E)$					
11063	ANL Expt P	ANL-76-96 25	77	5.6+1	Vigdor+ CURV. SUM OF EVAP. RESIDUE.
	Revw C	76ANL-2 1	95	476	5.6+1 Vigdor. CURV. FUS = SUM OF EVAP RES.
	Expt C	76ANL-2 2	645	476	5.6+1 Kovar+ FUS = (1090+-60)MB.
11064	HEI Revw J	NIM 146	199	077	5.6+1 Zeidman. CURV.
⁴⁸ Ca(¹⁶ O,x) direct-interaction $\sigma(E)$					
11065	ANL Expt P	ANL-76-96 25	77	5.6+1	Vigdor+ CURV. TRANSFER PROCESSES.
	Revw C	76ANL-2 1	95	476	5.6+1 Vigdor. CURV. TRANSFER PROCESSES.
	Expt J	PL/B 58	131	975	5.6+1 Henning+ TRANSFER=(96+-10)MB
⁴⁸ Ca(¹⁶ O,x) partial direct-interaction $\sigma(E)$					
11066	ANL Revw C	76ANL-2 1	95	476	5.6+1 Vigdor. CURV. TRANSFER PROCESSES.
	Expt J	PL/B 58	131	975	5.6+1 Henning+ CURV. FUNC OF L.
⁴⁸ Ca(¹⁶ O,x) $\sigma(E)$					
11067	ANL Revw C	76ANL-2 1	95	476	5.6+1 Vigdor. CURV. FUNC. OF NUCLEON TRANS.
⁴⁸ Ca(¹⁶ O,x) partial $\sigma(E)$					
11068	ANL Expt C	76ANL-2 2	645	476	5.6+1 Kovar+ QUASI-ELASTIC=(133+-20)MB.
11069	HEI Revw J	NIM 146	199	077	5.6+1 Zeidman. CURV. TRANSF.+INL.
⁴⁸ Ca(¹⁶ O,absorption) $\sigma(E)$					
11070	ANL Expt P	ANL-76-96 25	77	5.6+1	Vigdor+ CURV. SUM FUS + DI CMPRD TO OM.
	Revw C	76ANL-2 1	95	476	5.6+1 Vigdor. CURV. SUM OF FUS+DI CMPRD TO OM
	Revw C	76ANL-2 1	95	476	5.6+1 Vigdor. CURV. FUNCTION OF L.
	Expt C	76ANL-2 2	645	476	5.6+1 Kovar+ SUM OF FUS+DI COMPARED TO OM.
11071	HEI Revw J	NIM 146	199	077	5.6+1 Zeidman. CURV.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁴⁸ Ca(¹⁶ O,absorption) partial $\sigma(E)$				
11072 ANL Revv C 76ANL-2 Expt J PL/B 58	1 95 476 5.6+1 58 131 975 5.6+1			Vigdor. CURV. FUNCTION OF L. Henning+ CURV. FUNC OF L.
⁴⁸ Ca(¹⁶ O,total) partial $\sigma(E)$				
11073 HEI Revv J NIM 146 11074 NBI Revv J JPRC 37 11075 SAC Revv J JPRC 37	199 077 5.6+1 1 N76 5.6+1 15 N76 5.6+1			Zeidman. CURV. SIG(L). Hansen+ CURV. FUNC. OF L TRANSFER. Low. CURV. FUNC. OF L TRANSFER.
⁴⁸ Ca(¹⁶ O,total) direct-interaction $\sigma(E)$				
11076 HEI Revv J NIM 146	199 077 5.6+1			Zeidman. CURV. SIG(L).
⁴⁸ Ca(¹⁶ O,total) partial direct-interaction $\sigma(E)$				
11077 SAC Revv J JPRC 37	15 N76 5.6+1			Low. CURV. FUNC. OF L TRANSFER.
⁴⁸ Ca(¹⁶ O, ¹⁷ F) ⁴⁷ K partial $\sigma(E)$				
11078 ANL Expt J PR/C 17	83 178 5.6+1			Kover+ G.S. LE 0.03MB. INTAD(4-60 DEG).
⁴⁸ Ca(¹⁶ O, ¹⁸ O) ⁴⁵ Ca partial $\sigma(E)$				
11079 ANL Expt J PR/C 17	83 178 5.6+1			Kover+ G.S. LE 0.003MB. INTAD(4-60 DEG)
⁴⁸ Ca(¹⁶ O, ¹⁸ O) ⁴⁶ Ca partial $\sigma(E)$				
11080 ANL Expt J PR/C 17 Expt J PR/C 17	83 178 5.6+1 83 178 5.6+1			Kover+ TBL.2 LEVELS. INTAD(CA46). Kover+ TBL.2 LEVELS. INTAD(O18).
⁴⁸ Ca(¹⁶ O, ¹⁷ O) ⁴⁷ Ca partial $\sigma(E)$				
11081 ANL Expt J PR/C 17	83 178 5.6+1			Kover+ G.S. 10.88MB. INTAD(4-60 DEG).
⁴⁸ Ca(¹⁶ O,inelastic) ⁴⁸ Ca $\sigma(E)$				
11082 ANL Expt P ANL-76-96 Revv C 76ANL-2 1 Expt J PL/B 58	25 77 5.6+1 95 476 5.6+1 131 975 5.6+1			Vigdor+ CURV. Vigdor. CURV. Henning+ (40+-8)MB.
11083 HEI Revv J NIM 146	199 077 5.6+1			Zeidman. CURV. QUASI-ELASTIC
⁴⁸ Ca(¹⁶ O,inelastic) ⁴⁸ Ca partial $\sigma(E)$				
11084 ANL Expt J PR/C 17	83 178 5.6+1			Kover+ TBL.2+ AND 3- ST. INTAD(4-60DEG)
11085 SAC Revv J JPRC 37	15 N76 5.6+1			Low. CURV. FUNC. OF L TRANSFER.
⁴⁸ Ca(¹⁶ O,elastic) ⁴⁸ Ca partial $\sigma(E)$				
11086 NBI Revv J JPRC 37 11087 SAC Revv J JPRC 37	1 N76 5.6+1 15 N76 5.6+1			Hansen+ CURV. FUNC. OF L TRANSFER. Low. CURV. FUNC. OF L TRANSFER.
⁴⁸ Ca(¹⁶ O, ¹⁵ O) ⁴⁸ Ca partial $\sigma(E)$				
11088 ANL Expt J PR/C 17	83 178 5.6+1			Kover+ G.S. LE 0.03MB. INTAD(4-60 DEG).
⁴⁸ Ca(¹⁶ O, ¹⁶ N) ⁴⁸ Sc partial $\sigma(E)$				
11089 ANL Expt J PR/C 17 Expt J PR/C 17	83 178 5.6+1 83 178 5.6+1			Kover+ TBL.2 LEVELS. INTAD(N16). Kover+ NDG.3 LEVELS. INTAD(SC48).
⁴⁸ Ca(¹⁶ O, ¹⁵ N) ⁴⁸ Sc $\sigma(E)$				
11090 ANL Revv C 76ANL-2 1 11091 MAL Theo C 77TOKYO 602	95 476 5.6+1 977 5.6+1			Vigdor. CURV. FUNC. OF G.S. Q-VALUE. Fizik+ CURV. DWBA. FUNCTION OF Q.
⁴⁸ Ca(¹⁶ O, ¹⁵ N) ⁴⁸ Sc partial $\sigma(E)$				
11092 ANL Expt J PR/C 17 11093 NBI Revv J JPRC 37	83 178 5.6+1 1 N76 5.6+1			Kover+ G.S. 10.29MB. INTAD(4-60 DEG). Hansen+ CURV. FUNC. OF L TRANS. GS+3.08
⁴⁸ Ca(¹⁶ O, ¹⁴ N) ⁵⁰ Sc $\sigma(E)$				
11094 ANL Revv C 76ANL-2 1	95 476 5.6+1			Vigdor. CURV. FUNC. OF G.S. Q-VALUE.
⁴⁸ Ca(¹⁶ O, ¹⁴ N) ⁵⁰ Sc partial $\sigma(E)$				
11095 ANL Expt J PR/C 17	83 178 5.6+1			Kover+ TBL.4 LEVELS. INTAD(4-60)
⁴⁸ Ca(¹⁶ O, ¹⁴ N) ⁵⁰ Sc $\sigma(E)$				
11096 ANL Expt J PR/C 17	83 178 5.6+1			Kover+ 0.147MB. INTAD(4-60 DEG).
⁴⁸ Ca(¹⁶ O, ¹³ N) ⁵¹ Sc $\sigma(E)$				
11097 ANL Revv C 76ANL-2 1	95 476 5.6+1			Vigdor. CURV. FUNC. OF G.S. Q-VALUE.
⁴⁸ Ca(¹⁶ O, ¹⁵ C) ⁴⁹ Ti partial $\sigma(E)$				
11098 ANL Expt J PR/C 17	83 178 5.6+1			Kover+ TBL.2 LEVELS. INTAD(T149).

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{48}\text{Ca}(^{16}\text{O},^{13}\text{C})^{49}\text{Ti}$	partial $\sigma(E)$		
11098	ANL Expt J PR/C	17 83 178	5.6+1		Kovar+ TBL.4 LEVELS. INTAD(C15).
		$^{48}\text{Ca}(^{16}\text{O},^{14}\text{C})^{50}\text{Ti}$	$\sigma(E)$ x factor		
11099	NBI Theo A 74NASH	1 57 674	NDG		Bang+ TBL. SIG(EXP)/SIG(THEORY)
		$^{48}\text{Ca}(^{16}\text{O},^{14}\text{C})^{50}\text{Ti}$	partial $\sigma(E)$		
11100	ANL Expt J PR/C	17 83 178	5.6+1		Kovar+ TBL. G.S.+ 2+ ST. INTAD(4-60 DEG
	Expt J PR/C	17 83 178	5.6+1		Kovar+ TBL.9 LEVELS. INTAD(4-60)
		$^{48}\text{Ca}(^{16}\text{O},^{14}\text{C})^{50}\text{Ti}$	$\sigma(E)$		
11101	ANL Expt P ANL-79-40	39 79 5.4+1	5.9+1		Henning+ NDG. NO EVIDENCE FOR STRUCTURE
	Expt A 8AP	23 934 978	5.4+1 5.9+1		Henning+ NDG.
		$^{48}\text{Ca}(^{16}\text{O},^{13}\text{C})^{51}\text{Ti}$	partial $\sigma(E)$		
11102	ANL Expt J PR/C	17 83 178	5.6+1		Kovar+ TBL.8 LEVELS. INTAD(C13).
	Expt J PR/C	17 83 178	5.6+1		Kovar+ TBL.2 LEVELS. INTAD(T151).
		$^{48}\text{Ca}(^{16}\text{O},^{12}\text{C})^{52}\text{Ti}$	partial $\sigma(E)$		
11103	ANL Expt J PR/C	17 83 178	5.6+1		Kovar+ TBL. G.S.+ 2+ ST. INTAD(4-60 DEG
		$^{48}\text{Ca}(^{16}\text{O},^{13}\text{B})^{51}\text{V}$	partial $\sigma(E)$		
11104	ANL Expt J PR/C	17 83 178	5.6+1		Kovar+ G.S. LE 0.007MB. INTAD(4-60 DEG)
		$^{48}\text{Ca}(^{16}\text{O},^{12}\text{B})^{52}\text{V}$	partial $\sigma(E)$		
11105	ANL Expt J PR/C	17 83 178	5.6+1		Kovar+ UNRES. G.S. GRP. INTAD(4-60 DEG)
		$^{48}\text{Ca}(^{16}\text{O},^{11}\text{B})^{53}\text{V}$	partial $\sigma(E)$		
11106	ANL Expt J PR/C	17 83 178	5.6+1		Kovar+ UNRES. G.S. GRP. INTAD(4-60 DEG)
		$^{48}\text{Ca}(^{16}\text{O},x)$ charge distribution	$\sigma(E)$		
11107	ANL Expt J PR/C	17 83 178	5.6+1		Kovar+ NDG. BE + LI WEAKER THAN 8 PROD.
		$^{48}\text{Ca}(^{16}\text{O},x)$ mass distribution	$\sigma(E)$		
11108	HEI Revu J NIM	146 199 077	5.6+1		Zeidman. CURV. QUASI-ELASTIC
		$^{48}\text{Ca}(^{16}\text{O},x+n+yp)$ isotopic distribution	$\sigma(E)$		
11109	ANL Expt P ANL-76-96	23 77 5.6+1			Kovar+ CURV. FUNC OF NUCLEONS REMOVED
	Expt C 76ANL-2	2 645 476	5.6+1		Kovar+ CURV. X = 6-11. Y = 5-8.
		$^{48}\text{Ca}(^{16}\text{O},x+n+yp)$ isotopic distribution	$\sigma(E)$ x factor		
11110	ANL Expt C 76ANL-2	2 645 476	5.6+1		Kovar+ CURV. FCT=1/SIG(ABS). X=6-11. Y=5-8.
		$^{48}\text{Ti}(^{16}\text{O},2p)^{80}\text{Ni}$	relative $\sigma(E)$		
11111	SAC Expt P CEA-N-1791	32 974	2.8+1 5.8+1		Ballini+ CURV
		$^{48}\text{Ti}(^{16}\text{O},x)$	partial $\sigma(E)$		
11112	SAC Expt J NP/A	305 262 778	5.8+1		Nomura+ CURV. FUNC. OF ANGULAR MOMENTA
		$^{48}\text{Ti}(^{16}\text{O},x)$	$\sigma(E)$		
11113	SAC Expt J NP/A	305 262 778	5.8+1		Nomura+ TBL. SUM OF 6 CALC. SIG.
		$^{48}\text{Ti}(^{16}\text{O},x)$	compound-nucleus $\sigma(E)$		
11114	SAC Expt J NP/A	305 262 778	5.8+1		Nomura+ TBL. CALC. FUS AS FUNC OF JCRT
		$^{48}\text{Ti}(^{16}\text{O},x)^{12}\text{C}$	partial relative $\sigma(E)$		
11115	MUN Exth S BNL-51115	759 779	9.6+1		Hering+ TBL. YLD/Z FRAGMENT.
		$^{48}\text{Ti}(^{16}\text{O},x)^{13}\text{C}$	partial relative $\sigma(E)$		
11116	MUN Exth S BNL-51115	759 779	9.6+1		Hering+ TBL. YLD/Z FRAGMENT.
		$^{48}\text{Ti}(^{16}\text{O},x)^{14}\text{N}$	partial relative $\sigma(E)$		
11117	MUN Exth S BNL-51115	759 779	9.6+1		Hering+ TBL. YLD/Z FRAGMENT.
		$^{48}\text{Ti}(^{16}\text{O},x)^{15}\text{N}$	partial relative $\sigma(E)$		
11118	MUN Exth S BNL-51115	759 779	9.6+1		Hering+ TBL. YLD/Z FRAGMENT.
		$^{48}\text{Ti}(^{16}\text{O},x)^{16}\text{O}$	partial relative $\sigma(E)$		
11119	MUN Exth S BNL-51115	759 779	9.6+1		Hering+ TBL. YLD/Z FRAGMENT.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author.	Comments
		$^{48}\text{Ti}(^{16}\text{O},x)^{18}\text{Ne}$ partial relative $\sigma(E)$				
11120	MUN Exth S	BNL-51115 759 779 9.6+1			Hering+	TBL. YLD/Z FRAGMENT.
		$^{48}\text{Ti}(^{16}\text{O},x)^{20}\text{Ne}$ partial relative $\sigma(E)$				
11121	MUN Exth S	BNL-51115 759 779 9.6+1			Hering+	TBL. YLD/Z FRAGMENT.
		$^{48}\text{Ti}(^{16}\text{O},x)^{21}\text{Ne}$ partial relative $\sigma(E)$				
11122	MUN Exth S	BNL-51115 759 779 9.6+1			Hering+	TBL. YLD/Z FRAGMENT.
		$^{48}\text{Ti}(^{16}\text{O},x)^{22}\text{Ne}$ partial relative $\sigma(E)$				
11123	MUN Exth S	BNL-51115 759 779 9.6+1			Hering+	TBL..YLD/Z FRAGMENT.
		$^{48}\text{Ti}(^{16}\text{O},\text{inelastic})^{48}\text{Ti}$ partial relative $\sigma(E)$				
11124	MUN Exth S	BNL-51115 759 779 9.6+1			Hering+	TBL. YLD/Z FRAGMENT.
		$^{48}\text{Ti}(^{16}\text{O},x)^{50}\text{Cr}$ partial relative $\sigma(E)$				
11125	MUN Exth S	BNL-51115 759 779 9.6+1			Hering+	CURV. YLD/Z=6 FRAG. J=2-12.
		$^{48}\text{Ti}(^{16}\text{O},x)^{50}\text{Cr}$ partial $\sigma(E)$ x factor				
11126	MUN Expt J	PRL 43 623 879 9.6+1			Puchla+	CURV. G YLD/Z=6. J(50CR)=2-12.
		$^{48}\text{Ti}(^{16}\text{O},x)^{60}\text{Ni}$ partial $\sigma(E)$ x factor				
11127	SAC Expt J	NP/A 305 262 778 5.8+1			Nomura+	TBL. T148+016/CR52+C12. 4GS.
		$^{48}\text{Ti}(^{16}\text{O},x)$ isotopic distribution $\sigma(E)$ x factor				
11128	SAC Expt J	NP/A 305 262 778 5.8+1			Nomura+	TBL. T148+016/CR52+C12. 6 PROD
		$^{48}\text{Ti}(^{16}\text{O},x)$ isotopic distribution relative $\sigma(E)$				
11129	SAC Expt J	NP/A 305 262 778 5.8+1			Nomura+	TBL.REL TO N160.6 PROD
		$^{48}\text{Ti}(^{16}\text{O},x)$ isotopic distribution $\sigma(E)$				
11130	SAC Expt J	NP/A 305 262 778 5.8+1			Nomura+	TBL. CALC. AS FUNC OF JCRIT
		$^{48}\text{Ti}(^{16}\text{O},x)$ isotopic distribution relative $\sigma(E)$ x factor				
11131	SAC Exth C	77TOKYO 666 977 5.8+1			Nomura+	TBL. CR52+C12/22T148+016 RATIO
		$^{51}\text{V}(^{16}\text{O},x)$ direct-interaction $\sigma(E)$				
11132	GRE Expt J	NP/A 274 223 076 7.7+1			Chevarier+	FRM ANG. DIST. (.45+--.07)B
		$^{51}\text{V}(^{16}\text{O},x)$ compound-nucleus $\sigma(E)$				
11133	GRE Expt J	NP/A 274 223 076 7.7+1			Chevarier+	FRM TOT AND D1. (1.09+--.07)B
		$^{51}\text{V}(^{16}\text{O},\text{total})$ $\sigma(E)$				
11134	GRE Expt J	NP/A 274 223 076 7.7+1			Chevarier+	CALC. FRM ELAS. 1.540B. O-M.
		$^{51}\text{V}(^{16}\text{O},x)_y$ thick target yield				
11135	ORL Expt J	PR/C 16 2259 077 3.6+1 4.6+1			Wells+	NDG. GAMMA YIELD CURVES.
		$^{51}\text{V}(^{16}\text{O},x)^{4}\text{He}$ direct-interaction $\sigma(E)$				
11136	GRE Expt J	NP/A 274 223 076 7.7+1			Chevarier+	(0.080+-0.024)B
		$^{51}\text{V}(^{16}\text{O},n+2p)^{64}\text{Cu}$ thick target yield				
11137	ATH Expt P	NEANDC(OR)147 75 3.2+1 4.0+1			Paradellis+	NDG. MAIN CHANNEL. P. 20.
		$^{51}\text{V}(^{16}\text{O},2n+p)^{64}\text{Zn}$ partial thick target yield				
11138	ORL Expt J	PR/C 16 2259 077 3.6+1 4.6+1			Wells+	NDG. GAMMA YIELD CURVES.
		$^{51}\text{V}(^{16}\text{O},2n+p)^{64}\text{Zn}$ thick target yield				
11139	ATH Expt P	NEANDC(OR)147 75 3.2+1 4.0+1			Paradellis+	NDG. MAIN CHANNEL. P. 20.
		$^{51}\text{V}(^{16}\text{O},n+p)^{65}\text{Zn}$ thick target yield				
11140	ATH Expt P	NEANDC(OR)147 75 3.2+1 4.0+1			Paradellis+	NDG. MAIN CHANNEL. P. 20.
		$^{51}\text{V}(^{16}\text{O},2n)^{65}\text{Ga}$ thick target yield				
11141	ATH Expt P	NEANDC(OR)147 75 3.2+1 4.0+1			Paradellis+	NDG. MAIN CHANNEL. P. 20.
		$^{51}\text{V}(^{16}\text{O},x)$ charge distribution $\sigma(E)$				
11142	GRE Expt J	NP/A 274 223 076 7.7+1			Chevarier+	CURV. Z = 3 TO 9.
		$^{53}\text{Cr}(^{16}\text{O},n+p)^{67}\text{Ga}$ I_y				
11143	LVP Expt J	JP/G 4 1611 078 3.5+1 5.1+1			Al-Naser+	NDG. G-RAY EXCIT.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		⁵⁵ Mn(¹⁶ O,n+2p) ⁶⁸ Ge thick target yield			
11144	ATH Expt P	NEANDC(OR)147	75	4.1+1	Costa+ NDG. MAIN CHANNEL. P. 19.
		⁵⁵ Mn(¹⁶ O,2n+p) ⁶⁸ Ge thick target yield			
11145	ATH Expt P	NEANDC(OR)147	75	4.1+1	Costa+ NDG. MAIN CHANNEL. P. 19.
		⁵⁵ Mn(¹⁶ O,n+p) ⁶⁹ Ge relative I _γ			
11146	KLN Expt J	PR/C 18	811	379	4.0+1 5.1+1 Zobel+ CURV. 8 GAMMAS.
		⁵⁵ Mn(¹⁶ O,n+p) ⁶⁹ Ge thick target yield			
11147	ATH Expt P	NEANDC(OR)147	75	4.1+1	Costa+ NDG. MAIN CHANNEL. P. 19.
		⁵⁵ Mn(¹⁶ O,n+p) ⁶⁹ Ge partial relative σ(E)			
11148	STR Expt J	NP/A 330	216	079	4.2+1 4.8+1 Paradellis+ NDG. GE(L1).
	Expt J	NP/A 330	216	079	4.8+1 Paradellis+ TBL. 27 GS. ALSO A2.A4.
		⁵⁵ Mn(¹⁶ O,2n) ⁷³ As thick target yield			
11149	ATH Expt P	NEANDC(OR)147	75	4.1+1	Costa+ NDG. MAIN CHANNEL. P. 19.
		Fe(¹⁶ O,x) partial relative σ(E)			
11150	FSU Exth J	PR/C 8	1379	073	3.0+1 6.0+1 Obst+CURV. SUM OF P+A PROD. THETA=90 DEG.
		Fe(¹⁶ O,x) partial σ(E)			
11151	FSU Exth J	PR/C 8	1379	073	3.8+1 6.0+1 Obst+ CURV. SUM OF P+A PROD. INTAD.
		Fe(¹⁶ O,absorption) σ(E)			
11152	FSU Exth J	PR/C 8	1379	073	3.2+1 6.0+1 Obst+ CURV. OPTICAL-MODEL.
		Fe(¹⁶ O,x)n relative σ(E)×factor			
11153	FSU Exth J	PR/C 8	1379	073	3.0+1 6.0+1 Obst+ CURV. THETA=90 DEG.
		Fe(¹⁶ O,x)isotopic distribution σ(E)			
11154	HAR Expt P	AERE-PR/NP-26	379	4.2+1	Conlon+ NO LONG-LIVED RADIOISOT. P. 62.
		⁵⁴ Fe(¹⁶ O,x) partial average σ(E)×factor			
11155	FSU Exth J	PR/C 8	1379	073	3.5+1 7.0+1 Obst+CURV. I=0.51(RIGID). SUM P+A PROD.
		⁵⁴ Fe(¹⁶ O, ¹² C) ⁵⁸ Ni partial relative σ(E)			
11156	LAS Exth J	NP/A 321	471	679	5.0+1 Hanson+CURV. Q-DEP. DWBA CALC. CFD (GL1,D)
		⁵⁶ Fe(¹⁶ O,x) partial average σ(E)×factor			
11157	FSU Exth J	PR/C 8	1379	073	3.5+1 7.0+1 Obst+CURV. I=0.51(RIGID). SUM P+A PROD.
		⁵⁶ Fe(¹⁶ O,x) direct-interaction σ(E)			
11158	GRE Expt J	NP/A 274	223	076	7.7+1 Chevarier+ FRM ANG. DIST. (.53+- .08)B
		⁵⁶ Fe(¹⁶ O,x) compound-nucleus σ(E)			
11159	GRE Expt J	NP/A 274	223	076	7.7+1 Chevarier+ FRM TOT AND DI. (1.04+- .08)B
		⁵⁶ Fe(¹⁶ O,total) σ(E)			
11160	GRE Expt J	NP/A 274	223	076	7.7+1 Chevarier+ CALC. FRM ELAS. 1.570B. O-M.
		⁵⁶ Fe(¹⁶ O,x) ⁴ He direct-interaction σ(E)			
11161	GRE Expt J	NP/A 274	223	076	7.7+1 Chevarier+ (0.065+-0.020)B
		⁵⁶ Fe(¹⁶ O,x)charge distribution σ(E)			
11162	LYO Theo J	JP/A 285	389	78	NDG Billerrey+ CURV. Z=2-12. CLASS.-STAT.
	Theo R	LYCEN-7780	N77	NDG	Billerrey+ CURV. Z=2-12. CFD EXP.
11163	GRE Expt J	NP/A 274	223	076	7.7+1 Chevarier+ CURV. Z = 3 TO 9.
		⁵⁷ Fe(¹⁶ O,x) partial average σ(E)×factor			
11164	FSU Exth J	PR/C 8	1379	073	3.5+1 7.0+1 Obst+CURV. I=0.51(RIGID). SUM P+A PROD.
		⁵⁸ Co(¹⁶ O,x) compound-nucleus σ(E)×factor			
11165	NBI Revw C	73TRIEST 1	295	973	1.6+2 Siemens. TBL. L(CRIT) FRM LEFORT COMPIL
		⁵⁸ Co(¹⁶ O,total) σ(E)			
11166	FSU Exth J	PR/C 18	2190	N78	3.6+1 5.6+1 Tannous+ CURV. FROM DIFF. ELASTIC.
	Exth J	PR/C 18	2190	N78	5.6+1 Tannous+ CURV. FUNCTION OF RO AND A.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{59}\text{Co}(^{16}\text{O},2\alpha)^{67}\text{Ga}$			$\sigma(\text{E})$
11167	TNL Expt A BAP	22	1247	N77 3.0+1 5.6+1	Wallner+ NDG. STACKED FOIL. GE(L1)
		$^{59}\text{Co}(^{16}\text{O},2\alpha)^{67}\text{Ga}$			thick target yield
11168	TNL Expt A BAP	21	680	76 4.2+1 5.2+1	Wallner+ NDG.
		$^{59}\text{Co}(^{16}\text{O},n+p+\alpha)^{69}\text{Ge}$			$\sigma(\text{E})$
11169	TNL Expt A BAP	22	1247	N77 3.0+1 5.6+1	Wallner+ NDG. STACKED FOIL. GE(L1)
		$^{59}\text{Co}(^{16}\text{O},n+p+\alpha)^{69}\text{Ge}$			thick target yield
11170	TNL Expt A BAP	21	680	76 4.2+1 5.2+1	Wallner+ NDG.
		$^{59}\text{Co}(^{16}\text{O},n+p+\alpha)^{69}\text{Ge}$			relative $\sigma(\text{E})$
11171	TNL Exth A BAP	24	825	979	NDG Wallner+ TBL FRM ALICE. ALSO EXPT.
		$^{59}\text{Co}(^{16}\text{O},\alpha)^{71}\text{As}$			$\sigma(\text{E})$
11172	TNL Expt A BAP	22	1247	N77 3.0+1 5.6+1	Wallner+ NDG. STACKED FOIL. GE(L1)
		$^{59}\text{Co}(^{16}\text{O},\alpha)^{71}\text{As}$			thick target yield
11173	TNL Expt A BAP	21	680	76 4.2+1 5.2+1	Wallner+ NDG.
		$^{59}\text{Co}(^{16}\text{O},n+2p)^{72}\text{As}$			$\sigma(\text{E})$
11174	TNL Expt A BAP	22	1247	N77 3.0+1 5.6+1	Wallner+ NDG. STACKED FOIL. GE(L1)
		$^{59}\text{Co}(^{16}\text{O},n+2p)^{72}\text{As}$			thick target yield
11175	TNL Expt A BAP	21	680	76 4.2+1 5.2+1	Wallner+ NDG.
		$^{59}\text{Co}(^{16}\text{O},n+2p)^{72}\text{As}$			relative $\sigma(\text{E})$
11176	TNL Exth A BAP	24	825	979	NDG Wallner+ TBL FRM ALICE. ALSO EXPT.
		$^{59}\text{Co}(^{16}\text{O},n+2p)^{72}\text{As}$			partial relative product yield
11177	BEL Expt J PR/C	15	1583	477 4.3+1 5.6+1	Raghaven+ NDG. T1/2=(187+-2)NS.
		$^{59}\text{Co}(^{16}\text{O},x)^{68}\text{Se}$			cumulative? relative $\sigma(\text{E})$
11178	YAL Expt J JIN	38	2139	76 +1 +2	La-Brecque+ NDG. PEAK AT 140MEV.
		$^{59}\text{Co}(^{16}\text{O},x)^{68}\text{Se}$			cumulative? relative $\sigma(\text{E})$
11179	YAL Expt J JIN	38	2139	76 +1 1.3+2	La-Brecque+ NDG. PEAK AT 128MEV.
		$^{59}\text{Co}(^{16}\text{O},x)^{70}\text{Se}$			cumulative? relative $\sigma(\text{E})$
11180	YAL Expt J JIN	38	2139	76 +1 1.2+2	La-Brecque+ NDG. PEAK AT 110MEV.
		$^{59}\text{Co}(^{16}\text{O},2n+p)^{72}\text{Se}$			$\sigma(\text{E})$
11181	TNL Expt A BAP	22	1247	N77 3.0+1 5.6+1	Wallner+ NDG. STACKED FOIL. GE(L1)
		$^{59}\text{Co}(^{16}\text{O},2n+p)^{72}\text{Se}$			thick target yield
11182	TNL Expt A BAP	21	680	76 4.2+1 5.2+1	Wallner+ NDG.
		$^{59}\text{Co}(^{16}\text{O},2n+p)^{72}\text{Se}$			relative $\sigma(\text{E})$
11183	TNL Exth A BAP	24	825	979	NDG Wallner+ TBL FRM ALICE. ALSO EXPT.
		$^{59}\text{Co}(^{16}\text{O},n+p)^{73}\text{Se}$			$\sigma(\text{E})$
11184	TNL Expt A BAP	22	1247	N77 3.0+1 5.6+1	Wallner+ NDG. STACKED FOIL. GE(L1)
		$^{59}\text{Co}(^{16}\text{O},n+p)^{73}\text{Se}$			thick target yield
11185	TNL Expt A BAP	21	680	76 4.2+1 5.2+1	Wallner+ NDG.
		$^{59}\text{Co}(^{16}\text{O},n+p)^{73}\text{Se}$			relative $\sigma(\text{E})$
11186	TNL Exth A BAP	24	825	979	NDG Wallner+ TBL FRM ALICE. ALSO EXPT.
		$^{59}\text{Co}(^{16}\text{O},x)$			isotopic distribution $\sigma(\text{E})$
11187	TNL Expt A BAP Expt P A-TNL-79	24 99	695 79	479 79 5.6+1 6.4+1	Wallner+ NDG. STACKED FOILS. 7 NUCLEI. Vargheset NDG. STCKD-FOILS.IMPLANTATION
		$\text{Ni}(^{16}\text{O},x)$			partial relative $\sigma(\text{E})$
11188	FSU Exth J PR/C	8	1379	073 3.0+1 6.0+1	Obst+CURV.SUM OF μ +A PROD.THETA=90 DEG.
		$\text{Ni}(^{16}\text{O},x)$			partial $\sigma(\text{E})$
11189	FSU Exth J PR/C	9	1379	073 3.8+1 6.0+1	Obst+ CURV. SUM OF P+A PROD. INTAD.
11190	BNL Expt C 76ANL-2	2	475	476 9.6+1	Bond+ DEEP INELASTIC APP. 173MB.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
Ni(¹⁶ O,absorption) σ(E)				
11191 FSU Exth J PR/C	8 1379 073	3.2+1	6.0+1	Obst+ CURV. OPTICAL-MODEL.
Ni(¹⁶ O,x)n relative σ(E)×factor				
11192 FSU Exth J PR/C	8 1379 073	3.0+1	6.0+1	Obst+ CURV. THETA=90 DEG.
⁵⁸ Ni(¹⁶ O,x) compound-nucleus σ(E)				
11193 NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Hsi+ TBL. FUS. FROM SYSTEMATICS.
⁵⁸ Ni(¹⁶ O,x) partial average σ(E)×factor				
11194 FSU Exth J PR/C	8 1379 073	3.5+1	7.0+1	Obst+CURV.1=0.51(RIGID).SUM P+A PROD.
⁵⁸ Ni(¹⁶ O,absorption) σ(E)				
11195 ORL Exth J PR/C	14 2126 76	3.6+1	5.5+1	Robinson+ CURV. FROM N YLD. + N/REACTION
11196 BNL Theo C 76ANL-2	2 753 476	6.3+1		Schwartzchild+ TBL. VARIATION WITH Z122
11196 BNL Theo C 76ANL-2	2 753 476	6.3+1		Schwartzchild+ TBL. VARIATION WITH PARA
11196 BNL Theo C 76ANL-2	2 753 476	6.4+1	3.0+2	Schwartzchild+ TBL.
⁵⁸ Ni(¹⁶ O,total) compound-nucleus σ(E)				
11197 NBI Expt J NP/A	287 362 977	4.5+1	7.7+1	Simpson+ CURV. FROM STAT. MODEL CALC.
⁵⁸ Ni(¹⁶ O,x)γ compound-nucleus ν				
11198 NBI Expt J NP/A	287 362 977	4.5+1	7.7+1	Simpson+ TBL. G-MULT. FOR 4 GAMMAS.
⁵⁸ Ni(¹⁶ O,x)γ partial average ν				
11199 MPH Expt C 77TOKYO	701 977	9.2+1		Demond+CURV. AVE. G-MULT. AS FUNC. OF Q
⁵⁸ Ni(¹⁶ O,x)n σ(E)				
11200 ORL Exth J PR/C	14 2126 76	3.6+1	5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
11200 ORL Exth J PR/C	14 2126 76	3.6+1	5.5+1	Robinson+ CURV. CALC. N/REACTION.
11201 YAL Revw C 74NASH	2 603 674	3.8+1	5.5+1	Bromley. CURV. OAK RIDGE DATA.
⁵⁸ Ni(¹⁶ O,p+2α) ⁶⁵ Ga σ(E)				
11202 NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
⁵⁸ Ni(¹⁶ O,2α+p) ⁶⁵ Ga σ(E)				
11203 NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
⁵⁸ Ni(¹⁶ O,α+p+α) ⁶⁵ Ga σ(E)				
11204 NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
⁵⁸ Ni(¹⁶ O,2α) ⁶⁶ Ge σ(E)				
11205 NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
⁵⁸ Ni(¹⁶ O,2p+α) ⁶⁸ Ge compound-nucleus σ(E)				
11206 NBI Expt J NP/A	287 362 977	4.5+1	7.7+1	Simpson+CURV.NORM. TO 2P+(P+N) AT 44MEV
⁵⁸ Ni(¹⁶ O,α+2p) ⁶⁸ Ge σ(E)				
11207 NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
⁵⁸ Ni(¹⁶ O,n+p+α) ⁶⁸ As σ(E)				
11208 NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
⁵⁸ Ni(¹⁶ O,p+α) ⁶⁸ As σ(E)				
11209 NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
⁵⁸ Ni(¹⁶ O,p+α) ⁶⁹ As compound-nucleus σ(E)				
11210 NBI Expt J NP/A	287 362 977	4.5+1	7.7+1	Simpson+CURV.NORM. TO 2P+(P+N) AT 44MEV
⁵⁸ Ni(¹⁶ O,α+p) ⁶⁹ As σ(E)				
11211 NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
⁵⁸ Ni(¹⁶ O,3p) ⁷¹ As σ(E)				
11212 NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
⁵⁸ Ni(¹⁶ O,3p) ⁷¹ As compound-nucleus σ(E)				
11213 NBI Expt J NP/A	287 362 977	4.5+1	7.7+1	Simpson+CURV.NORM. TO 2P+(P+N) AT 44MEV
⁵⁸ Ni(¹⁶ O,n+α) ⁷² Se σ(E)				
11214 NBI Exth J NP/A	316 189 379	7.0+1		Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{90}\text{Ni}({}^{16}\text{O},n+2p){}^{71}\text{Se}$ $\sigma(E)$					
11215	NBI Exth J NP/A	316	189	370 7.0+1	Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
$^{90}\text{Ni}({}^{16}\text{O},x){}^{72}\text{Se}$ cumulative compound-nucleus $\sigma(E)$					
11216	NBI Expt J NP/A	287	362	977 4.5+1 7.7+1	Simpson+CURV.NORM. TO 2P+(P+N) AT 44MEV
$^{90}\text{Ni}({}^{16}\text{O},2p){}^{72}\text{Se}$ $\sigma(E)$					
11217	KLN Theo J NP/A	307	515	978 5.2+1	Hellmeister+ TBL. AS FUNC. OF LEV. PARA
	Theo J NP/A	307	515	978 3.6+1 7.0+1	Hellmeister+ CURV. STAT. MODL. CFD. EXP
11218	NBI Exth J NP/A	316	189	379 7.0+1	Kuang-Shi+ TBL. GROG12 CFD ANG. CORR.
$^{90}\text{Ni}({}^{16}\text{O},2p){}^{72}\text{Se}$ relative I_γ					
11219	BNL Expt J PR/C	15	939	377 4.0+1 5.8+1	Lieb+ NDG.
$^{90}\text{Ni}({}^{16}\text{O},2p){}^{72}\text{Se}$ compound-nucleus $\sigma(E)$					
11220	NBI Expt J NP/A	287	362	977 4.5+1 7.7+1	Simpson+CURV.NORM. TO 2P+(P+N) AT 44MEV
$^{90}\text{Ni}({}^{16}\text{O},2p){}^{72}\text{Se}$ partial relative $\sigma(E)$					
11221	KLN Expt J PR/C	17	2113	678 4.6+1 5.8+1	Hellmeister+ TBL. YRAST+SIDE-BAND. 3 ST
$^{90}\text{Ni}({}^{16}\text{O},x){}^{72}\text{Br}$ product yield					
11222	ANL Expt A BAP	25	46	180 NDG	David+ NDG. NEW ISOMER. $T_{1/2}=10.9+-1.15$
$^{90}\text{Ni}({}^{16}\text{O},x)$ isotopic distribution product yield					
11223	STB Expt A DA/B	39	4949	479 1.0+2	Harris. NDG. CFD STATISTICAL INTERPRE.
$^{60}\text{Ni}({}^{16}\text{O},x)$ partial average $\sigma(E)$ factor					
11224	FSU Exth J PR/C	8	1379	073 3.5+1 7.0+1	Obst+CURV. $I=0.51$ (RIGID).SUM P+A PROD.
$^{60}\text{Ni}({}^{16}\text{O},x)n$ $\sigma(E)$					
11225	ORL Exth J PR/C	14	2126	76 3.6+1 5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
	Exth J PR/C	14	2126	76 3.6+1 5.5+1	Robinson+ CURV. CALC. N/REACTION.
11226	YAL Revv C 74NASH	2	603	674 3.8+1 5.5+1	Bromley. CURV. OAK RIDGE DATA.
$^{60}\text{Ni}({}^{16}\text{O},3n){}^{73}\text{Kr}$ product yield					
11227	BRK Revv J ARN	27	333	77 NDG	Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
$^{61}\text{Ni}({}^{16}\text{O},x)n$ $\sigma(E)$					
11228	ORL Exth J PR/C	14	2126	76 3.6+1 5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
	Exth J PR/C	14	2126	76 3.6+1 5.5+1	Robinson+ CURV. CALC. N/REACTION.
	Expt J PR/C	11	879	375 3.9+1 5.1+1	Wells+ CURV. DEDUCED FROM (O16,X) DATA
11229	YAL Revv C 74NASH	2	603	674 3.8+1 5.5+1	Bromley. CURV. OAK RIDGE DATA.
$^{61}\text{Ni}({}^{16}\text{O},x){}^{62}\text{Ni}$ thick target yield					
11230	ORL Expt J PR/C	11	879	375 3.9+1 5.1+1	Wells+ TBL. CURV.
$^{61}\text{Ni}({}^{16}\text{O},x){}^{62}\text{Cu}$ thick target yield					
11231	ORL Expt J PR/C	11	879	375 3.9+1 5.1+1	Wells+ TBL. CURV.
$^{61}\text{Ni}({}^{16}\text{O},x){}^{63}\text{Cu}$ thick target yield					
11232	ORL Expt J PR/C	11	879	375 3.9+1 5.1+1	Wells+ TBL. CURV.
$^{61}\text{Ni}({}^{16}\text{O},x){}^{65}\text{Zn}$ thick target yield					
11233	ORL Expt J PR/C	11	879	375 4.1+1 5.1+1	Wells+ TBL. CURV.
$^{61}\text{Ni}({}^{16}\text{O},{}^{12}\text{C}){}^{65}\text{Zn}$ $\sigma(E)$					
11234	ORL Exth A 74NASH	1	67	674 4.6+1	Wells+ ACTIV./IN-BEAM GT. (3.3+-0.6)MB
$^{61}\text{Ni}({}^{16}\text{O},x){}^{69}\text{Ge}$ thick target yield					
11235	ORL Expt J PR/C	11	879	375 3.9+1 5.1+1	Wells+ TBL. CURV.
$^{61}\text{Ni}({}^{16}\text{O},2\alpha){}^{69}\text{Ge}$ $\sigma(E)$					
11236	ORL Exth A 74NASH	1	67	674 4.6+1	Wells+ ACTIV./IN-BEAM (3.0+-0.4)MB.
	Exth A 74NASH	1	67	674 3.8+1 5.0+1	Wells+ CURV. STATISTICAL DECAY.
$^{61}\text{Ni}({}^{16}\text{O},2\alpha){}^{69}\text{Ge}$ relative $\sigma(E)$					
11237	YAL Revv C 74NASH	2	603	674 3.8+1 5.0+1	Bromley. CURV. OAK RIDGE DATA.
$^{61}\text{Ni}({}^{16}\text{O},x){}^{71}\text{As}$ thick target yield					
11238	ORL Expt J PR/C	11	879	375 3.9+1 5.1+1	Wells+ TBL. CURV.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
		$^{61}\text{Ni}(^{16}\text{O},n+p+o)^{71}\text{As}$	$\sigma(E)$			
11239	ORL Exth A	74NASH 1	67 674	4.6+1	Wells+	ACTIV./IN-BEAM (11.6+-1.4)MB.
		$^{61}\text{Ni}(^{16}\text{O},x)^{72}\text{As}$	thick target yield			
11240	ORL Expt J	PR/C 11	879 375	3.9+1	5.1+1	Wells+ TBL. CURV.
		$^{61}\text{Ni}(^{16}\text{O},p+o)^{72}\text{As}$	$\sigma(E)$			
11241	ORL Exth A	74NASH 1	67 674	3.8+1	5.0+1	Wells+ CURV. STATISTICAL DECAY.
	Exth A	74NASH 1	67 674	4.6+1	Wells+	ACTIV./IN-BEAM (35+-4)MB.
		$^{61}\text{Ni}(^{16}\text{O},p+o)^{72}\text{As}$	relative $\sigma(E)$			
11242	YAL Revv C	74NASH 2	603 674	3.8+1	5.0+1	Bromley. CURV. OAK RIDGE DATA.
		$^{61}\text{Ni}(^{16}\text{O},3p)^{74}\text{As}$	thick target yield			
11243	ORL Expt J	PR/C 11	879 375	3.9+1	5.1+1	Wells+ TBL. CURV.
		$^{61}\text{Ni}(^{16}\text{O},3p)^{74}\text{As}$	$\sigma(E)$			
11244	ORL Exth A	74NASH 1	67 674	3.8+1	5.0+1	Wells+ CURV. STATISTICAL DECAY.
	Exth A	74NASH 1	67 674	4.6+1	Wells+	ACTIV./IN-BEAM (5.6+-1.9)MB.
		$^{61}\text{Ni}(^{16}\text{O},3p)^{74}\text{As}$	relative $\sigma(E)$			
11245	YAL Revv C	74NASH 2	603 674	3.8+1	5.0+1	Bromley. CURV. OAK RIDGE DATA.
		$^{61}\text{Ni}(^{16}\text{O},x)^{71}\text{Se}$	thick target yield			
11246	ORL Expt J	PR/C 11	879 375	3.9+1	5.1+1	Wells+ TBL. CURV.
		$^{61}\text{Ni}(^{16}\text{O},x)^{72}\text{Se}$	thick target yield			
11247	ORL Expt J	PR/C 11	879 375	3.9+1	5.1+1	Wells+ TBL. CURV.
		$^{61}\text{Ni}(^{16}\text{O},n+o)^{72}\text{Se}$	$\sigma(E)$			
11248	ORL Exth A	74NASH 1	67 674	3.8+1	5.0+1	Wells+ CURV. STATISTICAL DECAY.
	Exth A	74NASH 1	67 674	4.6+1	Wells+	ACTIV./IN-BEAM (45+-6)MB.
		$^{61}\text{Ni}(^{16}\text{O},n+o)^{72}\text{Se}$	relative $\sigma(E)$			
11249	YAL Revv C	74NASH 2	603 674	3.8+1	5.0+1	Bromley. CURV. OAK RIDGE DATA.
		$^{61}\text{Ni}(^{16}\text{O},x)^{73}\text{Se}$	thick target yield			
11250	ORL Expt J	PR/C 11	879 375	3.9+1	5.1+1	Wells+ TBL. CURV.
		$^{61}\text{Ni}(^{16}\text{O},o)^{73}\text{Se}$	$\sigma(E)$			
11251	ORL Exth A	74NASH 1	67 674	4.6+1	Wells+	ACTIV./IN-BEAM (0.7+-0.5)MB.
		$^{61}\text{Ni}(^{16}\text{O},x)^{74}\text{Se}$	thick target yield			
11252	ORL Expt J	PR/C 11	879 375	3.9+1	5.1+1	Wells+ TBL. CURV.
		$^{61}\text{Ni}(^{16}\text{O},n+2p)^{74}\text{Se}$	$\sigma(E)$			
11253	ORL Exth A	74NASH 1	67 674	4.6+1	Wells+	ACTIV./IN-BEAM (95+-15)MB.
		$^{61}\text{Ni}(^{16}\text{O},2p)^{75}\text{Se}$	thick target yield			
11254	ORL Expt J	PR/C 11	879 375	3.9+1	5.1+1	Wells+ TBL. CURV.
		$^{61}\text{Ni}(^{16}\text{O},2n+p+n)^{73}\text{Br}$	$\sigma(E)$			
11255	ORL Exth A	74NASH 1	67 674	4.6+1	Wells+	ACTIV./IN-BEAM (145+-15)MB
		$^{61}\text{Ni}(^{16}\text{O},x)^{74}\text{Br}$	thick target yield			
11256	ORL Expt J	PR/C 11	879 375	3.9+1	5.1+1	Wells+ TBL. CURV.
		$^{61}\text{Ni}(^{16}\text{O},2n+p)^{74}\text{Br}$	$\sigma(E)$			
11257	ORL Exth A	74NASH 1	67 674	4.6+1	Wells+	ACTIV./IN-BEAM (18.1+-3.9)MB
		$^{61}\text{Ni}(^{16}\text{O},x)^{75}\text{Br}$	thick target yield			
11258	ORL Expt J	PR/C 11	879 375	3.9+1	5.1+1	Wells+ TBL. CURV.
		$^{61}\text{Ni}(^{16}\text{O},p)^{76}\text{Br}$	thick target yield			
11259	ORL Expt J	PR/C 11	879 375	3.9+1	5.1+1	Wells+ TBL. CURV.
		$^{61}\text{Ni}(^{16}\text{O},3n)^{74}\text{Kr}$	thick target yield			
11260	ORL Expt J	PR/C 13	2588 76	4.2+1	5.0+1	Wells+ TBL. DEDUCED UPPER LIMITS.
		$^{61}\text{Ni}(^{16}\text{O},3n)^{74}\text{Kr}$	$\sigma(E)$			
11261	ORL Exth A	74NASH 1	67 674	4.6+1	Wells+	ACTIV./IN-BEAM (7.0+-1.8)MB

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{61}\text{Ni}(^{16}\text{O},3n)^{74}\text{Kr}$	$\sigma(E)$		
11261	ORL Exth A 74NASH	1 67 674	4.2+1	5.0+1	Wells+ CURV. STATISTICAL DECAY.
		$^{61}\text{Ni}(^{16}\text{O},3n)^{74}\text{Kr}$	relative $\sigma(E)$		
11262	YAL Rev C 74NASH	2 603 674	4.2+1	5.0+1	Bromley. CURV. OAK RIDGE DATA.
		$^{61}\text{Ni}(^{16}\text{O},2n)^{75}\text{Kr}$	thick target yield		
11263	ORL Expt J PR/C	11 879 375	3.9+1	5.1+1	Wells+ TBL. CURV.
		$^{61}\text{Ni}(^{16}\text{O},2n)^{75}\text{Kr}$	$\sigma(E)$		
11264	ORL Exth A 74NASH	1 67 674	4.6+1		Wells+ ACTIV./IN-BEAM GT. (10.5+-2.0)MB
		$^{61}\text{Ni}(^{16}\text{O},n)^{76}\text{Kr}$	thick target yield		
11265	ORL Expt J PR/C	11 879 375	3.9+1	5.1+1	Wells+ TBL. CURV.
		$^{62}\text{Ni}(^{16}\text{O},x)$	partial average $\sigma(E)$ factor		
11266	FSU Exth J PR/C	8 1379 073	3.5+1	7.0+1	Obst+CURV.1=0.51(RIGID).SUM P+A PROD.
		$^{62}\text{Ni}(^{16}\text{O},\text{absorption})$	$\sigma(E)$		
11267	ORL Exth J PR/C	14 2126 76	3.6+1	5.5+1	Robinson+ CURV. FROM N YLD. + N/REACTION
		$^{62}\text{Ni}(^{16}\text{O},x)n$	$\sigma(E)$		
11268	ORL Exth J PR/C	14 2126 76	3.6+1	5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
	Exth J PR/C	14 2126 76	3.6+1	5.5+1	Robinson+ CURV. CALC. N/REACTION.
11269	YAL Rev C 74NASH	2 603 674	3.8+1	5.5+1	Bromley. CURV. OAK RIDGE DATA.
		$^{64}\text{Ni}(^{16}\text{O},x)n$	$\sigma(E)$		
11270	ORL Exth J PR/C	14 2126 76	3.6+1	5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
	Exth J PR/C	14 2126 76	3.6+1	5.5+1	Robinson+ CURV. CALC. N/REACTION.
11271	YAL Rev C 74NASH	2 603 674	3.8+1	5.5+1	Bromley. CURV. OAK RIDGE DATA.
		$^{64}\text{Ni}(^{16}\text{O},x)$	isotopic distribution product yield		
11272	STB Expt A DA/B	39 4949 479	1.0+2		Harris. NDG. CFD STATISTICAL INTERPRE.
		$^{63}\text{Cu}(^{16}\text{O},x)$	compound-nucleus $\sigma(E)$ factor		
11273	NBI Rev C 73TRIEST	1 295 973	1.7+2		Siemens. TBL. L(CRIT) FRM LEFORT COMPIL
		$^{63}\text{Cu}(^{16}\text{O},\text{absorption})$	$\sigma(E)$		
11274	FSU Theo J PL/B	63 413 76	4.0+1	4.6+1	Wojciechowski+ CURV. TBL. MODEL-IND.
		$^{63}\text{Cu}(^{16}\text{O},x)n$	$\sigma(E)$		
11275	ORL Exth J PR/C	14 2126 76	3.6+1	5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
		$^{63}\text{Cu}(^{16}\text{O},x)^{67}\text{Ga}$	$\sigma(E)$		
11276	PAR Expt J PR/C	14 152 76	4.0+1	8.5+1	Langevin+ CURV. ENRICHED TRGT. RES. ACT
		$^{63}\text{Cu}(^{16}\text{O},x)^{69}\text{Ge}$	$\sigma(E)$		
11277	PAR Expt J PR/C	14 152 76	7.0+1	8.5+1	Langevin+ CURV. ENRICHED TRGT. RES. ACT
		$^{63}\text{Cu}(^{16}\text{O},x)^{70}\text{As}$	$\sigma(E)$		
11278	PAR Expt J PR/C	14 152 76	5.0+1	8.5+1	Langevin+ CURV. ENRICHED TRGT. RES. ACT
		$^{63}\text{Cu}(^{16}\text{O},x)^{71}\text{As}$	$\sigma(E)$		
11279	PAR Expt J PR/C	14 152 76	5.0+1	8.5+1	Langevin+ CURV. ENRICHED TRGT. RES. ACT
		$^{63}\text{Cu}(^{16}\text{O},x)^{72}\text{As}$	$\sigma(E)$		
11280	PAR Expt J PR/C	14 152 76	6.5+1	8.5+1	Langevin+ CURV. ENRICHED TRGT. RES. ACT
		$^{63}\text{Cu}(^{16}\text{O},x)^{73}\text{Se}$	Including metastable $\sigma(E)$		
11281	PAR Expt J PR/C	14 152 76	5.0+1	8.5+1	Langevin+ CURV. ENRICHED TRGT. RES. ACT
		$^{63}\text{Cu}(^{16}\text{O},x)^{73}\text{Se}$	$\sigma(E)$		
11282	PAR Expt J PR/C	14 152 76	5.0+1	8.5+1	Langevin+ CURV. ENRICHED TRGT. RES. ACT
		$^{63}\text{Cu}(^{16}\text{O},x)^{73}\text{Se}$	$\sigma(E)$		
11283	PAR Expt J PR/C	14 152 76	5.0+1	8.5+1	Langevin+ CURV. ENRICHED TRGT. RES. ACT
		$^{63}\text{Cu}(^{16}\text{O},x)^{73}\text{Br}$	$\sigma(E)$		
11284	PAR Expt J PR/C	14 152 76	5.5+1	8.5+1	Langevin+ CURV. ENRICHED TRGT. RES. ACT

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		⁶³ Cu(¹⁶ O,x) ⁷⁴ Br			σ(E)
11285	PAR Expt J PR/C	14	152	76 4.5+1 8.5+1	Langevin+ CURV. ENRICHED TRGT. RES. ACT
		⁶³ Cu(¹⁶ O,x) ⁷⁵ Br			σ(E)
11286	PAR Expt J PR/C	14	152	76 5.5+1 8.5+1	Langevin+ CURV. ENRICHED TRGT. RES. ACT
		⁶³ Cu(¹⁶ O,x) ⁷⁶ Br			σ(E)
11287	PAR Expt J PR/C	14	152	76 4.0+1 8.5+1	Langevin+ CURV. ENRICHED TRGT. RES. ACT
		⁶³ Cu(¹⁶ O,2p) ⁷⁷ Br			σ(E)
11288	PAR Expt J PR/C	14	152	76 4.5+1 8.5+1	Langevin+ CURV. ENRICHED TRGT. RES. ACT
		⁶³ Cu(¹⁶ O,x) ⁷⁹ Kr			σ(E)
11289	PAR Expt J PR/C	14	152	76 6.5+1 8.5+1	Langevin+ CURV. ENRICHED TRGT. RES. ACT
		⁶³ Cu(¹⁶ O,x) ⁷⁶ Kr			σ(E)
11290	PAR Expt J PR/C	14	152	76 4.5+1 8.5+1	Langevin+ CURV. ENRICHED TRGT. RES. ACT
		⁶³ Cu(¹⁶ O,x) ⁷⁷ Kr			σ(E)
11291	PAR Expt J PR/C	14	152	76 4.0+1 8.5+1	Langevin+ CURV. ENRICHED TRGT. RES. ACT
		⁶³ Cu(¹⁶ O,2n) ⁷⁷ Rb			σ(E)
11292	PAR Expt J PR/C	14	152	76 4.0+1 8.5+1	Langevin+ CURV. ENRICHED TRGT. RES. ACT
		⁶³ Cu(¹⁶ O,x) ⁷⁹ Rb			compound-nucleus σ(E)
11293	PAR Expt J PR/C	14	152	76 4.0+1 8.5+1	Langevin+ TBL. FUSION.
		⁶⁵ Cu(¹⁶ O,x)			σ(E)
11294	ORL Exth P ORNL-5025	98	75 3.9+1 5.1+1	Wells+ CURV. SUM OF SIGMA FROM ACTIV.	
		⁶⁵ Cu(¹⁶ O,total)			σ(E)
11295	FSU Exth C 76ANL-2	2 841	476 4.1+1 4.6+1	Wojciechowski+ TBL. FRM FITS TO ELASTIC	
	Exth C 76ANL-2	2 841	476 3.6+1 4.8+1	Wojciechowski+CURV. FRM 41-,46-MEV FIT	
	Theo J PL/B	63 413	76 4.1+1 4.6+1	Wojciechowski+(214+-40)MB + (535+-27)MB	
		⁶⁵ Cu(¹⁶ O,x)n			σ(E)
11296	ORL Exth J PR/C	14 2126	76 3.6+1 5.5+1	Robinson+ CURV. GRAPHITE SPHERE.	
		⁶⁵ Cu(¹⁶ O, ¹⁵ N) ⁶⁶ Zn			σ(E)
11297	ORL Exth P ORNL-5025	98	75 3.9+1 5.1+1	Wells+ CURV. ACTIV. ALSO REL. DECAY	
		⁶⁵ Cu(¹⁶ O, ¹² C) ⁶⁹ Ga			relative σ(E)
11298	ORL Exth P ORNL-5025	98	75 3.9+1 5.1+1	Wells+ CURV. ACTIV. ALSO REL. DECAY	
		⁶⁵ Cu(¹⁶ O,x) ⁷⁵ As			relative σ(E)
11299	ORL Exth P ORNL-5025	98	75 3.9+1 5.1+1	Wells+ CURV. ACTIV. ALSO REL. DECAY	
		⁶⁵ Cu(¹⁶ O,x) ⁷⁵ Se			relative σ(E)
11300	ORL Exth P ORNL-5025	98	75 3.9+1 5.1+1	Wells+ CURV. ACTIV. ALSO REL. DECAY	
		⁶⁵ Cu(¹⁶ O,x) ⁷⁶ Se			σ(E)
11301	ORL Exth P ORNL-5025	98	75 3.9+1 5.1+1	Wells+ CURV. ACTIV. ALSO REL. DECAY	
		⁶⁵ Cu(¹⁶ O,x) ⁷⁸ Se			σ(E)
11302	ORL Exth P ORNL-5025	98	75 3.9+1 5.1+1	Wells+ CURV. ACTIV. ALSO REL. DECAY	
		⁶⁵ Cu(¹⁶ O,3p) ⁷⁸ Se			σ(E)
11303	ORL Exth P ORNL-5025	98	75 3.9+1 5.1+1	Wells+ CURV. ACTIV. ALSO REL. DECAY	
		⁶⁵ Cu(¹⁶ O,x) ⁷⁶ Br			σ(E)
11304	ORL Exth P ORNL-5025	98	75 3.9+1 5.1+1	Wells+ CURV. ACTIV. ALSO REL. DECAY	
		⁶⁵ Cu(¹⁶ O,x) ⁷⁷ Br			σ(E)
11305	ORL Exth P ORNL-5025	98	75 3.9+1 5.1+1	Wells+ CURV. ACTIV. ALSO REL. DECAY	
		⁶⁵ Cu(¹⁶ O,x) ⁷⁸ Br			σ(E)
11306	ORL Exth P ORNL-5025	98	75 3.9+1 5.1+1	Wells+ CURV. ACTIV. ALSO REL. DECAY	
		⁶⁵ Cu(¹⁶ O,x) ⁷⁹ Br			relative σ(E)
11307	ORL Exth P ORNL-5025	98	75 3.9+1 5.1+1	Wells+ CURV. ACTIV. ALSO REL. DECAY	

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{65}\text{Cu}(^{16}\text{O},2\text{p})^{79}\text{Br}$	$\sigma(\text{E})$		
11308	ORL Exth P	ORNL-5025	98	75 3.9+1 5.1+1	Wells+ CURV. ACTIV. ALSO REL. DECAY
		$^{65}\text{Cu}(^{16}\text{O},2\text{n}+\text{p})^{78}\text{Kr}$	partial relative $\sigma(\text{E})$		
11309	KLN Expt J	NP/A 332	241	D79 4.2+1 5.8+1	Hellmeister+CURV.G.S.-,OCTUPOLE-,GAMMA-
		$^{65}\text{Cu}(^{16}\text{O},\text{x})^{79}\text{Kr}$	$\sigma(\text{E})$		
11310	ORL Exth P	ORNL-5025	98	75 3.9+1 5.1+1	Wells+ CURV. ACTIV. ALSO REL. DECAY
		$^{65}\text{Cu}(^{16}\text{O},3\text{n})^{78}\text{Rb}$	$\sigma(\text{E})$		
11311	ORL Exth P	ORNL-5025	98	75 3.9+1 5.1+1	Wells+ CURV. ACTIV. ALSO REL. DECAY
		$^{65}\text{Cu}(^{16}\text{O},2\text{n})^{79}\text{Rb}$	$\sigma(\text{E})$		
11312	ORL Exth P	ORNL-5025	98	75 3.9+1 5.1+1	Wells+ CURV. ACTIV. ALSO REL. DECAY
		$^{65}\text{Cu}(^{16}\text{O},\text{x})$ isotopic distribution	$\sigma(\text{E})$		
11313	SAC Expt P	CEA-N-2070	64	478 4.6+1	Bellini+ TBL. FROM JULIAN-SUPERVAP CODE
		$^{64}\text{Zn}(^{16}\text{O},\text{x})\text{n}$	$\sigma(\text{E})$		
11314	ORL Exth J	PR/C	14	2126 76 3.6+1 5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
		$^{66}\text{Zn}(^{16}\text{O},\text{fission})$	cumulative fission yield		
11315	HEI Expt A	76ANL-2	2	583 476 NDG	Gelbke+ NDG. WORK IN PROGRESS.
		$^{66}\text{Zn}(^{16}\text{O},\text{x})\text{n}$	$\sigma(\text{E})$		
11316	ORL Exth J	PR/C	14	2126 76 3.6+1 5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
		$^{67}\text{Zn}(^{16}\text{O},\text{x})\text{n}$	$\sigma(\text{E})$		
11317	ORL Exth J	PR/C	14	2126 76 3.6+1 5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
		$^{68}\text{Zn}(^{16}\text{O},\text{x})\text{n}$	$\sigma(\text{E})$		
11318	ORL Exth J	PR/C	14	2126 76 3.6+1 5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
		$^{70}\text{Zn}(^{16}\text{O},\text{x})\text{n}$	$\sigma(\text{E})$		
11319	ORL Exth J	PR/C	14	2126 76 3.6+1 5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
		$\text{Ge}(^{16}\text{O},\text{x})$	partial relative $\sigma(\text{E})$		
11320	FSU Exth J	PR/C	8	1379 073 3.0+1 6.0+1	Obst+CURV.SUM OF P+A PROD.THETA=90 DEG.
		$\text{Ge}(^{16}\text{O},\text{x})\text{n}$	relative $\sigma(\text{E}) \times \text{factor}$		
11321	FSU Exth J	PR/C	8	1379 073 3.0+1 6.0+1	Obst+ CURV. THETA=90 DEG.
		$\text{Zr}(^{16}\text{O},\text{x})$	partial relative $\sigma(\text{E})$		
11322	FSU Exth J	PR/C	8	1379 073 3.0+1 6.0+1	Obst+CURV.SUM OF P+A PROD.THETA=90 DEG.
		$\text{Zr}(^{16}\text{O},\text{x})\text{n}$	relative $\sigma(\text{E}) \times \text{factor}$		
11323	FSU Exth J	PR/C	8	1379 073 3.0+1 6.0+1	Obst+ CURV. THETA=90 DEG.
		$^{92}\text{Zr}(^{16}\text{O},\text{x})$ isotopic distribution	product yield		
11324	PUR Expt J	PR/C	20	1350 079 5.4+1 6.6+1	Popli+ NDG. IN-BEAM G.
		$^{92}\text{Zr}(^{16}\text{O},\text{x})$ isotopic distribution	relative $\sigma(\text{E})$		
11325	PUR Expt J	PR/C	20	1350 079 6.0+1	Popli+ TBL. IN-BEAM G.
		$^{94}\text{Zr}(^{16}\text{O},4\text{n})^{106}\text{Cd}$	I_{γ}		
11326	PUR Expt J	PR/C	19	73 179 6.3+1	Samuelson+ NDG. PRELIMINARY.
		$^{96}\text{Zr}(^{16}\text{O},4\text{n})^{108}\text{Cd}$	relative I_{γ}		
11327	PUR Expt J	NP/A 301	159	578 5.6+1	Samuelson+ TBL. 51 GS. THETA=125DEG.
		$^{93}\text{Nb}(^{16}\text{O},\gamma)^{109}\text{In}$	$\sigma(\text{E})$		
11328	MIT Exth J		18	2560 D78 5.0+1 6.5+1	Branford+ CURV. MEAS. UPP LMT/HFIC CALC
		$^{92}\text{Mo}(^{16}\text{O},\text{x})$	compound-nucleus $\sigma(\text{E})$		
11329	PAR Revv J	APH	3	5 78 1.9+2	Lefort+ TBL. FUS. COMP. EXP+CALC.
		$^{96}\text{Ru}(^{16}\text{O},\text{inelastic})^{96}\text{Ru}$	partial relative $\sigma(\text{E})_{\gamma}$		
11330	LVP Expt J	JP/G	3	1735 77 3.3+1	Maynard+TBL. (2+-0+1)G YLD. REL TO RU102
		$^{98}\text{Ru}(^{16}\text{O},\text{inelastic})^{98}\text{Ru}$	partial relative $\sigma(\text{E})_{\gamma}$		
11331	LVP Expt J	JP/G	3	1735 77 3.3+1	Maynard+TBL. (2+-0+1)G YLD. REL TO RU102

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{100}\text{Ru}(^{16}\text{O}, \text{inelastic})^{100}\text{Ru}$	partial relative $\sigma(E)_y$		
11332	LVP Expt J JP/G	3 1735 77 3.3+1			Maynard+TBL. (2+-0+)G YLD. REL TO RU102
		$^{102}\text{Ru}(^{16}\text{O}, \text{inelastic})^{102}\text{Ru}$	partial relative $\sigma(E)_y$		
11333	LVP Expt J JP/G	3 1735 77 3.3+1			Maynard+TBL. (2+-0+)G YLD. REL TO RU102
		$^{104}\text{Ru}(^{16}\text{O}, \text{inelastic})^{104}\text{Ru}$	partial relative $\sigma(E)_y$		
11334	LVP Expt J JP/G	3 1735 77 3.3+1			Maynard+TBL. (2+-0+)G YLD. REL TO RU102
		$^{102}\text{Pd}(^{16}\text{O}, \text{inelastic})^{102}\text{Pd}$	partial relative $\sigma(E)_y$		
11335	LVP Expt J JP/G	3 1735 77 3.3+1			Maynard+TBL. (2+-0+)G YLD. REL TO PD110
		$^{104}\text{Pd}(^{16}\text{O}, \text{inelastic})^{104}\text{Pd}$	partial relative $\sigma(E)_y$		
11336	LVP Expt J JP/G	3 1735 77 3.3+1			Maynard+TBL. (2+-0+)G YLD. REL TO PD110
		$^{108}\text{Pd}(^{16}\text{O}, \text{inelastic})^{108}\text{Pd}$	partial relative $\sigma(E)_y$		
11337	LVP Expt J JP/G	3 1735 77 3.3+1			Maynard+TBL. (2+-0+)G YLD. REL TO PD110
		$^{110}\text{Pd}(^{16}\text{O}, \text{inelastic})^{110}\text{Pd}$	partial relative $\sigma(E)_y$		
11338	LVP Expt J JP/G	3 1735 77 3.3+1			Maynard+TBL. (2+-0+)G YLD. REL TO PD110
		$^{106}\text{Cd}(^{16}\text{O}, \text{inelastic})^{106}\text{Cd}$	partial relative $\sigma(E)_y$		
11339	LVP Expt J JP/G	3 1735 77 3.3+1			Maynard+TBL. (2+-0+)G YLD. REL TO CD114
		$^{106}\text{Cd}(^{16}\text{O}, \text{n}+2\text{p})^{118}\text{Xe}$	independent relative $\sigma(E)$		
11340	HEI Expt J ZP/A	276 403 76 5.3+1 6.6+1			Conrad+ CURV.
		$^{106}\text{Cd}(^{16}\text{O}, 2\text{p})^{120}\text{Xe}$	independent relative $\sigma(E)$		
11341	HEI Expt J ZP/A	276 403 76 5.3+1 6.6+1			Conrad+ CURV.
		$^{106}\text{Cd}(^{16}\text{O}, 2\text{n}+\text{p})^{118}\text{Cs}$	partial product yield		
11342	STB Expt A DA/B	39 4948 479 NDG			Garg. NDG. HIGH-SPIN STATES. IN-BEAM GS
		$^{106}\text{Cd}(^{16}\text{O}, \text{n})^{121}\text{Ba}$	independent relative $\sigma(E)$		
11343	HEI Expt J ZP/A	276 403 76 5.3+1 6.6+1			Conrad+ CURV.
		$^{106}\text{Cd}(^{16}\text{O}, \gamma)^{122}\text{Ba}$	independent relative $\sigma(E)$		
11344	HEI Expt J ZP/A	276 403 76 5.3+1 6.6+1			Conrad+ CURV.
		$^{108}\text{Cd}(^{16}\text{O}, \text{inelastic})^{108}\text{Cd}$	partial relative $\sigma(E)_y$		
11345	LVP Expt J JP/G	3 1735 77 3.3+1			Maynard+TBL. (2+-0+)G YLD. REL TO CD114
		$^{108}\text{Cd}(^{16}\text{O}, 3\text{n})^{121}\text{Ba}$	independent relative $\sigma(E)$		
11346	HEI Expt J ZP/A	276 403 76 5.3+1 6.6+1			Conrad+ CURV.
		$^{108}\text{Cd}(^{16}\text{O}, 2\text{n})^{122}\text{Ba}$	independent relative $\sigma(E)$		
11347	HEI Expt J ZP/A	276 403 76 5.3+1 6.6+1			Conrad+ CURV.
		$^{108}\text{Cd}(^{16}\text{O}, \text{n})^{123}\text{Ba}$	independent relative $\sigma(E)$		
11348	HEI Expt J ZP/A	276 403 76 5.3+1 6.6+1			Conrad+ CURV.
		$^{108}\text{Cd}(^{16}\text{O}, \gamma)^{124}\text{Ba}$	independent relative $\sigma(E)$		
11349	HEI Expt J ZP/A	276 403 76 5.3+1 6.6+1			Conrad+ CURV.
		$^{110}\text{Cd}(^{16}\text{O}, \text{inelastic})^{110}\text{Cd}$	partial relative $\sigma(E)_y$		
11350	LVP Expt J JP/G	3 1735 77 3.3+1			Maynard+TBL. (2+-0+)G YLD. REL TO CD114
		$^{110}\text{Cd}(^{16}\text{O}, 3\text{n})^{123}\text{Ba}$	independent relative $\sigma(E)$		
11351	HEI Expt J ZP/A	276 403 76 5.3+1 6.6+1			Conrad+ CURV.
		$^{110}\text{Cd}(^{16}\text{O}, 2\text{n})^{124}\text{Ba}$	independent relative $\sigma(E)$		
11352	HEI Expt J ZP/A	276 403 76 5.3+1 6.6+1			Conrad+ CURV.
		$^{112}\text{Cd}(^{16}\text{O}, \text{inelastic})^{112}\text{Cd}$	partial relative $\sigma(E)_y$		
11353	LVP Expt J JP/G	3 1735 77 3.3+1			Maynard+TBL. (2+-0+)G YLD. REL TO CD114
		$^{114}\text{Cd}(^{16}\text{O}, \text{inelastic})^{114}\text{Cd}$	partial relative $\sigma(E)_y$		
11354	LVP Expt J JP/G	3 1735 77 3.3+1			Maynard+TBL. (2+-0+)G YLD. REL TO CD114
		$^{116}\text{Sn}(^{16}\text{O}, 3\text{n})^{129}\text{Ce}$	relative I_y		
11355	BRK Expt J NP/A	290 272 077 5.5+1 8.5+1			Gizon+ NDG.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{118}\text{Sn}(^{16}\text{O},3\text{n})^{129}\text{Ce}$ relative I_γ			
11355	BRK Expt J NP/A	290 272 077 6.9+1			Gizon+ TBL. 24 GAMMAS. THETA=125 DEG.
		$^{118}\text{Sn}(^{16}\text{O},3\text{n})^{131}\text{Ce}$ relative I_γ			
11356	BRK Expt J NP/A	290 272 077 5.5+1 8.5+1			Gizon+ NDG.
	Expt J NP/A	290 272 077 6.6+1			Gizon+ TBL. 26 GAMMAS. THETA=125 DEG.
		$^{122}\text{Sn}(^{16}\text{O},\text{absorption})$ $\sigma(E)$			
11357	MUU Expt J ZP/A	278 241 76 7.4+1			Spieler+ 990MB CALC. FROM OPTICAL MODEL
		$^{122}\text{Sn}(^{16}\text{O},^{18}\text{O})^{120}\text{Sn}$ $\sigma(E)$			
11358	MUU Expt J ZP/A	278 241 76 7.4+1			Spieler+ (9+-2.1)MB
		$^{122}\text{Sn}(^{16}\text{O},^{17}\text{O})^{121}\text{Sn}$ $\sigma(E)$			
11359	MUU Expt J ZP/A	278 241 76 7.4+1			Spieler+ (23+-5)MB
		$^{122}\text{Sn}(^{16}\text{O},\text{inelastic})^{122}\text{Sn}$ partial $\sigma(E)$			
11360	MUU Expt J ZP/A	278 241 76 7.4+1			Spieler+ 106MB TO SN-122(2+)
		$^{122}\text{Sn}(^{16}\text{O},^{15}\text{O})^{123}\text{Sn}$ $\sigma(E)$			
11361	MUU Expt J ZP/A	278 241 76 7.4+1			Spieler+ (0.7+-0.3)MB
		$^{122}\text{Sn}(^{16}\text{O},^{17}\text{N})^{121}\text{Sb}$ $\sigma(E)$			
11362	MUU Expt J ZP/A	278 241 76 7.4+1			Spieler+ (0.7+-0.3)MB
		$^{122}\text{Sn}(^{16}\text{O},^{16}\text{N})^{122}\text{Sb}$ $\sigma(E)$			
11363	MUU Expt J ZP/A	278 241 76 7.4+1			Spieler+ (1.5+-0.6)MB
		$^{122}\text{Sn}(^{16}\text{O},^{15}\text{N})^{123}\text{Sb}$ $\sigma(E)$			
11364	MUU Expt J ZP/A	278 241 76 7.4+1			Spieler+ (40+-9)MB
		$^{122}\text{Sn}(^{16}\text{O},^{14}\text{N})^{124}\text{Sb}$ $\sigma(E)$			
11365	MUU Expt J ZP/A	278 241 76 7.4+1			Spieler+ (3.5+-1.7)MB
		$^{122}\text{Sn}(^{16}\text{O},^{15}\text{C})^{123}\text{Te}$ $\sigma(E)$			
11366	MUU Expt J ZP/A	278 241 76 7.4+1			Spieler+ (0.7+-0.3)MB
		$^{122}\text{Sn}(^{16}\text{O},^{14}\text{C})^{124}\text{Te}$ $\sigma(E)$			
11367	MUU Expt J ZP/A	278 241 76 7.4+1			Spieler+ (25+-6)MB
		$^{122}\text{Sn}(^{16}\text{O},^{13}\text{C})^{125}\text{Te}$ $\sigma(E)$			
11368	MUU Expt J ZP/A	278 241 76 7.4+1			Spieler+ (12+-4)MB
		$^{122}\text{Sn}(^{16}\text{O},^{12}\text{C})^{126}\text{Te}$ $\sigma(E)$			
11369	MUU Expt J ZP/A	278 241 76 7.4+1			Spieler+ (12+-4)MB
		$^{122}\text{Sn}(^{16}\text{O},^{11}\text{B})^{127}\text{I}$ $\sigma(E)$			
11370	MUU Expt J ZP/A	278 241 76 7.4+1			Spieler+ (0.7+-0.3)MB
		$^{128}\text{Te}(^{16}\text{O},5\text{n})^{139}\text{Nd}$ relative I_γ			
11371	GRE Expt J JPGL	4 171 778 9.0+1			Gizon+ TBL. 10 GS. ALSO A22 AND A44.
		$^{134}\text{Ba}(^{16}\text{O},\text{x})$ compound-nucleus $\sigma(E)$			
11372	PAR Expt J ZP/A	282 65 77 6.3+1 1.2+2			Della-Negra+ CURV. SUM OF RESIDUES.
		$^{134}\text{Ba}(^{16}\text{O},3\text{n}+2\alpha)^{139}\text{Nd}$ $\sigma(E)$			
11373	PAR Expt J ZP/A	282 65 77 1.0+2 1.2+2			Della-Negra+ TBL.
		$^{134}\text{Ba}(^{16}\text{O},5\text{n}+\alpha)^{141}\text{Sm}$ $\sigma(E)$			
11374	PAR Expt J ZP/A	282 65 77 1.0+2 1.2+2			Della-Negra+ TBL. CURV.
		$^{134}\text{Ba}(^{16}\text{O},3\text{n}+\alpha)^{143}\text{Sm}$ $\sigma(E)$			
11375	PAR Expt J ZP/A	282 65 77 7.9+1 1.1+2			Della-Negra+ TBL. CURV.
		$^{134}\text{Ba}(^{16}\text{O},\text{x})^{149}\text{Eu}$ cumulative $\sigma(E)$			
11376	PAR Expt J ZP/A	282 65 77 7.4+1 1.2+2			Della-Negra+ TBL. CURV.
	Expt J ZP/A	282 65 77 6.3+1 1.0+2			Della-Negra+ TBL. CURV.
		$^{134}\text{Ba}(^{16}\text{O},3\text{n}+\text{p})^{146}\text{Eu}$ $\sigma(E)$			
11377	PAR Expt J ZP/A	282 65 77 6.9+1 1.2+2			Della-Negra+ TBL. CURV.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{134}\text{Ba}(^{160}\text{O},2n+p)^{147}\text{Eu}$			$\sigma(E)$
11378	PAR Expt J ZP/A 282	65	77 6.9+1	8.2+1	Della-Negra+ TBL. CURV.
		$^{134}\text{Ba}(^{160}\text{O},5n)^{149}\text{Gd}$			$\sigma(E) \times \text{factor}$
11379	PAR Expt J ZP/A 282	65	77 8.1+1	1.2+2	Della-Negra+ CURV. 5N EMM. PROB.
	Expt J ZP/A 282	65	77 8.1+1	1.2+2	Della-Negra+ CURV. SIG(5N)/SIG(4N) RATI
		$^{134}\text{Ba}(^{160}\text{O},5n)^{149}\text{Gd}$			$\sigma(E)$
11380	PAR Expt J ZP/A 282	65	77 8.1+1	1.2+2	Della-Negra+ TBL. CURV.
		$^{134}\text{Ba}(^{160}\text{O},5n)^{149}\text{Gd}$			$\sigma(E)$
11381	PAR Expt J ZP/A 282	65	77 7.9+1	1.2+2	Della-Negra+ TBL. CURV.
		$^{134}\text{Ba}(^{160}\text{O},5n)^{149}\text{Gd}$			cumulative $\sigma(E)$
11382	PAR Expt J ZP/A 282	65	77 8.1+1	1.2+2	Della-Negra+ TBL. CURV.
		$^{134}\text{Ba}(^{160}\text{O},4n)^{148}\text{Gd}$			$\sigma(E)$
11383	PAR Expt J ZP/A 282	65	77 6.9+1	1.2+2	Della-Negra+ TBL. CURV.
		$^{134}\text{Ba}(^{160}\text{O},4n)^{148}\text{Gd}$			$\sigma(E) \times \text{factor}$
11384	PAR Expt J ZP/A 282	65	77 8.1+1	1.2+2	Della-Negra+ CURV. SIG(5N)/SIG(4N) RATI
		$^{134}\text{Ba}(^{160}\text{O},3n)^{147}\text{Gd}$			$\sigma(E)$
11385	PAR Expt J ZP/A 282	65	77 6.3+1	1.0+2	Della-Negra+ TBL. CURV.
		$^{134}\text{Ba}(^{160}\text{O},xn)\text{charge distribution}$			partial $\sigma(E)$
11386	PAR Expt J ZP/A 282	65	77 6.3+1	1.2+2	Della-Negra+CURV.SUM OF RESIDUES.X=3-5.
		$^{134}\text{Ba}(^{160}\text{O},xn+p)\text{charge distribution}$			partial $\sigma(E)$
11387	PAR Expt J ZP/A 282	65	77 6.3+1	1.2+2	Della-Negra+CURV.SUM OF RESIDUES.X=2-4.
		$^{134}\text{Ba}(^{160}\text{O},xn+\alpha)\text{charge distribution}$			partial $\sigma(E)$
11388	PAR Expt J ZP/A 282	65	77 6.3+1	1.2+2	Della-Negra+CURV.SUM OF RESIDUES.X=3+5.
		$^{141}\text{Pr}(^{160}\text{O},4n)^{153}\text{Ho}$			partial product yield
11389	YAL Expt A BAP	25	48 180	NDG	Radford+ NDG. HIGH-SPIN STATES.
		$^{141}\text{Pr}(^{160}\text{O},x)\text{isotopic distribution}$			$\sigma(E)$
11390	GRE Expt P ISN-79-01	86	79 1.0+2	1.2+2	Jastrzebski+ NDG. IN-BEAM+SHORT-LIVED.
		$^{142}\text{Nd}(^{160}\text{O},\text{absorption})$			$\sigma(E) \times \text{factor}$
11391	PAR Rev J APH	3	5 78 5.5+1	1.2+2	Lefort+ CURV.
		$^{142}\text{Nd}(^{160}\text{O},5n)^{153}\text{Er}$			$\sigma(E)$
11392	PAR Rev C 74NASH	2	81 674	1.5+2 2.3+2	Lefort+ CURV.
		$^{142}\text{Nd}(^{160}\text{O},5n)^{153}\text{Er}$			$\sigma(E) \times \text{factor}$
11393	PAR Rev J APH	3	5 78 5.5+1	1.2+2	Lefort+ CURV.
	Rev J JPRC	37	57 N76	9.4+1	1.4+2 Lefort. CURV.
	Exth J JPRL	36	289 075	8.6+1	1.2+2 Cabot+ CURV.
		$^{142}\text{Nd}(^{160}\text{O},5n)^{153}\text{Er}$			relative $\sigma(E)$
11394	PAR Rev J JPRC	37	57 N76	8.6+1	1.2+2 Lefort. CURV.
		$^{146}\text{Nd}(^{160}\text{O},\text{total})$			$\sigma(E)$
11395	STR Theo J NP/A 325	463 879	8.2+1	1.1+2	Oeschler+ TBL. OM ANALYSIS OF ELAS. SCA
		$^{148}\text{Nd}(^{160}\text{O},x)$			partial $\sigma(E)$
11396	NBI Rev C 76ANL-2	1 385 476	3.9+1		Herskind. CURV. FUNCTION OF L.
		$^{148}\text{Nd}(^{160}\text{O},x)$			compound-nucleus $\sigma(E)$
11397	NBI Rev C 76ANL-2	1 385 476	3.9+1	8.4+1	Herskind. CURV.
		$^{148}\text{Nd}(^{160}\text{O},5n)^{159}\text{Er}$			$\sigma(E)$
11398	NBI Rev C 76ANL-2	1 385 476	6.8+1	8.4+1	Herskind. CURV.
		$^{148}\text{Nd}(^{160}\text{O},4n)^{160}\text{Er}$			$\sigma(E)$
11399	NBI Rev C 76ANL-2	1 385 476	5.6+1	8.4+1	Herskind. CURV.
		$^{148}\text{Nd}(^{160}\text{O},x)\text{mass distribution}$			$\sigma(E)$
11400	NBI Expt J NP/A 266	262	76 7.2+1		Oeschler+ CURV. A=144-154. INT. ANG DIS

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{150}\text{Nd}(^{160}\text{x})$ compound-nucleus $\sigma(E)$				
11401 NBI Exth J NP/A 295	163 178 6.9+1 7.8+1	Andersen+CURV.FUS SIG(SUM OF RES. DET)		
Rev C 76ANL-2	1 385 476 3.9+1 8.4+1	Herskind. CURV.		
$^{150}\text{Nd}(^{160}\text{x})$ partial compound-nucleus $\sigma(E)$				
11402 NBI Exth J NP/A 295	163 178 7.0+1 7.8+1	Andersen+CURV.FUS SIG AS FUNCTION OF L		
11403 JUL Theo J NP/A 307	349 978 7.7+1	Wakai+ CURV. FUNCT. OF ORBITAL ANG. MOM		
$^{150}\text{Nd}(^{160}\text{,total})$ partial $\sigma(E)$				
11404 NBI Exth J NP/A 295	163 178 7.9+1	Andersen+CURV.OM CALC. AS FUNCTION OF L		
$^{150}\text{Nd}(^{160}\text{,5n})^{161}\text{Er}$ compound-nucleus $\sigma(E)$				
11405 NBI Exth J NP/A 295	163 178 6.9+1 7.8+1	Andersen+ TBL. CURV. G-RAY TECH.		
$^{150}\text{Nd}(^{160}\text{,5n})^{161}\text{Er}$ partial ν_γ				
11406 NBI Exth J NP/A 295	163 178 6.9+1 7.8+1	Andersen+CURV.G-MULT. AS FUNCTION OF J.		
$^{150}\text{Nd}(^{160}\text{,5n})^{161}\text{Er}$ partial compound-nucleus $\sigma(E)$				
11407 NBI Exth J NP/A 295	163 178 7.8+1	Andersen+ CURV. FUNCTION OF L		
$^{150}\text{Nd}(^{160}\text{,5n})^{161}\text{Er}$ $\sigma(E)$				
11408 NBI Rev C 76ANL-2	1 385 476 6.8+1 8.4+1	Herskind. CURV.		
$^{150}\text{Nd}(^{160}\text{,4n})^{162}\text{Er}$ ν_γ				
11409 NBI Exth A 7NNASH	1 110 674 6.5+1 8.4+1	Hagemann+ CURV. GAMMA MULTIPLICITY.		
$^{150}\text{Nd}(^{160}\text{,4n})^{162}\text{Er}$ average ν_γ				
11410 JUL Rev J NIM	146 161 077 7.7+1	Schult.CURV.G MULT(J). ZP/A 272, 207		
$^{150}\text{Nd}(^{160}\text{,4n})^{162}\text{Er}$ compound-nucleus $\sigma(E)$				
11411 NBI Exth J NP/A 295	163 178 6.9+1 7.8+1	Andersen+ TBL. CURV. G-RAY TECH.		
$^{150}\text{Nd}(^{160}\text{,4n})^{162}\text{Er}$ partial ν_γ				
11412 JUL Theo J NP/A 307	349 978 6.5+1 7.7+1	Wakai+ CURV. G-MULT. VS. L. CFD EXP.		
11413 NBI Exth J NP/A 295	163 178 6.9+1 7.8+1	Andersen+CURV.G-MULT. AS FUNCTION OF J.		
$^{150}\text{Nd}(^{160}\text{,4n})^{162}\text{Er}$ partial compound-nucleus $\sigma(E)$				
11414 NBI Exth J NP/A 295	163 178 7.0+1 7.8+1	Andersen+ CURV. FUNCTION OF L		
Exth J NP/A 295	163 178 7.0+1 7.8+1	Andersen+ CURV.SIDE-BAND FEEDING.		
$^{150}\text{Nd}(^{160}\text{,4n})^{162}\text{Er}$ partial $\sigma(E)$ x factor				
11415 JUL Theo J NP/A 307	349 978 7.7+1	Wakai+ CURV. FRAC. OF ENTRY ST VS L.		
Theo J NP/A 307	349 978 6.5+1 7.7+1	Wakai+CURV.SIDEFEEDING OF GS BAND VS L.		
$^{150}\text{Nd}(^{160}\text{,4n})^{162}\text{Er}$ $\sigma(E)$				
11416 NBI Rev C 76ANL-2	1 385 476 5.5+1 8.4+1	Herskind. CURV.		
$^{144}\text{Sm}(^{160}\text{x})$ isotopic distribution $\sigma(E)$				
11417 GRE Expt P ISN-79-01	86 79 1.0+2 1.2+2	Jastrzebski+ NDG. IN-BEAM+SHORT-LIVED.		
$^{147}\text{Sm}(^{160}\text{x})$ isotopic distribution $\sigma(E)$				
11418 GRE Expt P ISN-79-01	86 79 1.0+2 1.2+2	Jastrzebski+ NDG. IN-BEAM+SHORT-LIVED.		
$^{148}\text{Sm}(^{160}\text{x})$ compound-nucleus $\sigma(E)$				
11419 WZI Expt J PRL	41 465 878 6.0+1 7.5+1	Stokstead+ CURV. FUS SIG FRM YB RESIDUE		
$^{148}\text{Sm}(^{160}\text{x})$ compound-nucleus $\sigma(E)$ x factor				
11420 WZI Expt J PRL	41 465 878 6.0+1 7.5+1	Stokstead+ CURV. FUS SM150,52,54/SM148		
$^{148}\text{Sm}(^{160}\text{,4n})^{160}\text{Yb}$ relative I_γ				
11421 STR Expt J PRL	42 493 279 9.5+1	Beck+ TBL. 146S. YRAST. ALSO A2		
$^{150}\text{Sm}(^{160}\text{x})$ compound-nucleus $\sigma(E)$				
11422 WZI Expt J PRL	41 465 878 6.0+1 7.5+1	Stokstead+ CURV. FUS SIG FRM YB RESIDUE		
$^{150}\text{Sm}(^{160}\text{x})$ compound-nucleus $\sigma(E)$ x factor				
11423 WZI Expt J PRL	41 465 878 6.0+1 7.5+1	Stokstead+ CURV. FUS SIG SM150/SM148		
$^{150}\text{Sm}(^{160}\text{,5n})^{161}\text{Yb}$ $\sigma(E)$				
11424 BRK Expt J NP/A 290	253 077 8.7+1	Simon+ TBL. FRM DISCRETE + CONT. G-SPEC		

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		¹⁵⁰ Sm(¹⁶⁰ Sn) ¹⁶¹ Yb average ν_γ			
11425	BRK Expt J NP/A	290 253 077	8.7+1		Simon+ TBL. AVE. G MULT.
		¹⁵⁰ Sm(¹⁶⁰ 4n) ¹⁶² Yb $\sigma(E)$			
11426	DRK Expt J NP/A	290 253 077	8.7+1		Simon+ TBL. FRM DISCRETE + CONT. G-SPEC
		¹⁵⁰ Sm(¹⁶⁰ 4n) ¹⁶² Yb average ν_γ			
11427	BRK Expt J NP/A	290 253 077	8.7+1		Simon+ TBL. AVE. G MULT.
		¹⁵⁰ Sm(¹⁶⁰ 3n) ¹⁶³ Yb $\sigma(E)$			
11428	BRK Expt J NP/A	290 253 077	8.7+1		Simon+ TBL. FRM DISCRETE + CONT. G-SPEC
		¹⁵⁰ Sm(¹⁶⁰ 3n) ¹⁶³ Yb average ν_γ			
11429	BRK Expt J NP/A	290 253 077	8.7+1		Simon+ TBL. AVE. G MULT.
		¹⁵² Sm(¹⁶⁰ x) compound-nucleus $\sigma(E)$			
11430	WZ1 Expt J PRL	41 465 878	6.0+1 7.5+1		Stokstead+ CURV. FUS SIG FRM YB RESIDUE
		¹⁵² Sm(¹⁶⁰ x) compound-nucleus $\sigma(E)$ x factor			
11431	WZ1 Expt J PRL	41 465 878	6.0+1 7.5+1		Stokstead+ CURV. FUS SIG SM152/SM148
		¹⁵⁴ Sm(¹⁶⁰ x) compound-nucleus $\sigma(E)$ x factor			
11432	WZ1 Expt J PRL	41 465 878	6.0+1 7.5+1		Stokstead+ CURV. FUS SIG SM154/SM148
11433	NB1 Revv C 73TRIEST	1 295 973	1.4+2		Siemens. TBL. L(CRIT) FRM LEFORT COMPI
		¹⁵⁴ Sm(¹⁶⁰ x) compound-nucleus $\sigma(E)$			
11434	WZ1 Expt J PRL	41 465 878	6.0+1 7.5+1		Stokstead+ CURV. FUS SIG FRM YB RESIDUE
11435	PAR Revv J RPP	39 129 76	1.2+2		Lefort. TBL. SUM OF EVAP. RES.
		¹⁶⁰ Gd(¹⁶⁰ Sn) ¹⁷¹ Hf relative I_γ			
11436	CBR Expt J NP/A	293 481 077	7.5+1 8.4+1		Walker+NDG. CONTA. IN (O16,4N) ABOVE 78
		¹⁶⁰ Gd(¹⁶⁰ 4n) ¹⁷² Hf relative I_γ			
11437	CBR Expt J NP/A	293 481 077	7.8+1		Walker+ TBL. 77 GAMMAS. ALSO LEG. COEF.
	Expt J NP/A	293 481 077	7.5+1 8.4+1		Walker+ NDG. 78MEV OPTIMUM ENERGY.
		¹⁶¹ Dy(¹⁶⁰ 4n) ¹⁷³ M $\sigma(E)$			
11438	CBR Expt J JP/G	4 1655 078	8.3+1 8.9+1		Walker+ NDG. OPT. E = 83MEV.
		¹⁶² Dy(¹⁶⁰ inelastic) ¹⁶² Dy partial relative $\sigma(E)_\gamma$			
11439	ORL Expt J PRL	40 1016 278	4.9+1 7.2+1		Guidry+ CURV. HIGH SPIN ST. IN CNI REG.
		¹⁶³ Dy(¹⁶⁰ 4n) ¹⁷⁵ M $\sigma(E)$			
11440	CBR Expt J JP/G	4 1655 078	8.3+1 8.9+1		Walker+ NDG. OPT. E = 89MEV.
		¹⁶⁵ Ho(¹⁶⁰ fission) $\sigma(E)$ x factor			
11441	ORL Revv C 74NASH	2 107 674	6.2+1 1.1+2		Plasii. CURV. G(F)/G(N). PR/B 135,669
		¹⁷⁰ Er(¹⁶⁰ fission) mass distribution			cumulative fission yield
11442	ORL Revv C 74NASH	2 107 674	1.7+2		Plasii. CURV. A=40-150.
		¹⁶⁹ Tm(¹⁶⁰ 4n) ¹⁸¹ Ir product yield			
11443	YAL Expt J CUP	56 321 878	7.0+1 1.3+2		Ladenbauer-Bellis+ NDG. BEST YLD 90+96
		¹⁷⁵ Lu(¹⁶⁰ 6n) ¹⁸⁵ Au relative I_γ			
11444	PAR Exth T IPNO-T-77.02	277 9.5+1	1.2+2		Bourgeois. CURV. 6 GAMMAS.
		¹⁷⁵ Lu(¹⁶⁰ 4n) ¹⁸⁷ Au relative I_γ			
11445	PAR Exth T IPNO-T-77.02	277 8.0+1	1.0+2		Bourgeois. CURV. 2 GAMMAS.
		Ta(¹⁶⁰ x) ¹⁸⁵ Tl product yield			
11446	ORL Expt A BAP	22 996 977	NDG		Weil+ NDG.
		¹⁸¹ Ta(¹⁶⁰ x+fission) partial $\sigma(E)$ x factor			
11447	BNL Exth J PR/C	15 954 377	8.3+1 9.6+1		Videbaek+ TBL. COMP. TO REACTION SIG
		¹⁸¹ Ta(¹⁶⁰ x) partial $\sigma(E)$			
11448	BNL Exth J PR/C	15 954 377	8.3+1 9.6+1		Videbaek+ TBL. QUASI-ELASTIC. SUM Z=5-8
		¹⁸¹ Ta(¹⁶⁰ x) partial $\sigma(E)$ x factor			
11449	BNL Exth J PR/C	15 954 377	8.3+1 9.6+1		Videbaek+TBL. COMP. Q-E TO REACTION SIG

REFERENCES(cont)

No.	Lab Work Type	Reference	EnIn (MeV)	Emax (MeV)	Author.	Comments
		$^{181}\text{Ta}(^{16}\text{O},x)$ compound-nucleus $\sigma(E)$				
11450	BNL Exth J PR/C	15	954	377 8.0+1	1.0+2 Videbaek+	CURV. OPTICAL-MODEL.
		$^{181}\text{Ta}(^{16}\text{O},x)$ direct-interaction $\sigma(E)$				
11451	BNL Expt C 76ANL-2	2 825	476 8.3+1	9.6+1 Videbaek+	TBL. SUM OF QE+TRANSFER	
		$^{181}\text{Ta}(^{16}\text{O},\text{fission})$ $\sigma(E)$				
11452	BNL Exth J PR/C	15	954	377 7.8+1	1.0+2 Videbaek+	CURV. FRM 77 AND 160 DEG.
	Exth J PR/C	15	954	377 8.3+1	9.6+1 Videbaek+	TBL. CURV. E/ANGLE INTEG.
	Expt C 76ANL-2	2 825	476 8.3+1	9.6+1 Videbaek+	TBL. CURV. SUM OF FISS. PROD.	
		$^{181}\text{Ta}(^{16}\text{O},\text{absorption})$ $\sigma(E)$				
11453	BNL Exth J PR/C	15	954	377 7.8+1	1.0+2 Videbaek+	CURV. CALC.
	Expt C 76ANL-2	2 825	476 8.3+1	9.6+1 Videbaek+	TBL. OPTICAL MODEL.	
	Expt C 76ANL-2	2 825	476 8.3+1	9.6+1 Videbaek+	CURV. SUM OF D1+F.	
		$^{181}\text{Ta}(^{16}\text{O},\text{absorption})$ $\sigma(E)\times\text{factor}$				
11454	BNL Expt C 76ANL-2	2 825	476 8.3+1	9.6+1 Videbaek+	TBL. (D1+F)/OM RATIO	
		$^{181}\text{Ta}(^{16}\text{O},\text{total})$ $\sigma(E)$				
11455	PAR Exth T CLAUDE ROULET	475	8.8+1	1.2+2 Roulet+	CURV. CALCULATED.	
		$^{181}\text{Ta}(^{16}\text{O},x)\gamma$ partial relative $\sigma(E)$				
11456	MAU Expt J NP/A	303	500	778 7.6+0	3.4+1 Chan+	CURV. 3 LOW GS NORM TO PART CURR
		$^{181}\text{Ta}(^{16}\text{O},\text{inelastic})^{181}\text{Ta}$ $\sigma(E)$				
11457	BNL Expt C 76ANL-2	2 825	476 8.3+1	9.6+1 Videbaek+	CURV.	
		$^{181}\text{Ta}(^{16}\text{O},5n)^{182}\text{Tl}$ $\sigma(E)$				
11458	PAR Exth T CLAUDE ROULET	475	9.3+1	1.8+2 Roulet+	CURV. CALCULATED.	
		$^{181}\text{Ta}(^{16}\text{O},5n)^{182}\text{Tl}$ product yield				
11459	CNE Expt J PR/C	21	933	380 9.5+1	1.0+2 Kreiner+	NDG. PEAK AT 100 MEV.
		$^{181}\text{Ta}(^{16}\text{O},5n)^{182}\text{Tl}$ partial relative $\sigma(E)$				
11460	CNE Expt J PR/C	21	933	380 1.0+2	Kreiner+	TBL. 19 GS. INTAD.
		$^{181}\text{Ta}(^{16}\text{O},4n)^{183}\text{Tl}$ $\sigma(E)$				
11461	PAR Exth T CLAUDE ROULET	475	9.0+1	1.6+2 Roulet+	CURV. CALCULATED.	
		$^{181}\text{Ta}(^{16}\text{O},3n)^{184}\text{Tl}$ $\sigma(E)$				
11462	PAR Exth T CLAUDE ROULET	475	8.8+1	1.4+2 Roulet+	CURV. CALCULATED.	
		$^{181}\text{Ta}(^{16}\text{O},2n)^{185}\text{Tl}$ $\sigma(E)$				
11463	PAR Exth T CLAUDE ROULET	475	9.1+1	1.1+2 Roulet+	CURV. CALCULATED.	
		$^{181}\text{Ta}(^{16}\text{O},x)\text{charge distribution}$ $\sigma(E)$				
11464	BNL Exth J PR/C	15	954	377 8.3+1	9.6+1 Videbaek+	TBL. CURV. Z=5-8. E/ANGLE INT
	Expt C 76ANL-2	2 825	476 8.3+1	9.6+1 Videbaek+	CURV. Z = 6,7.	
		$\text{W}(^{16}\text{O},x)^{189}\text{Pb}$ product yield				
11465	ORL Expt P ORNL-5297	94	77	NDG	Collins+	NDG. STUDIED DECAY OF PROD.
		$\text{W}(^{16}\text{O},x)^{187}\text{Pb}$ product yield				
11466	ORL Expt P ORNL-5297	94	77	NDG	Collins+	NDG. STUDIED DECAY OF PROD.
		$^{184}\text{W}(^{16}\text{O},\text{absorption})$ $\sigma(E)$				
11467	GEO Theo J NP/A	291	183	N77 9.0+1	Love+CURV.COUPLED-CHAN.FFF.	OF COUL. EX
		$^{184}\text{W}(^{16}\text{O},\text{inelastic})^{184}\text{W}$ partial thick target yield				
11468	PUP Expt J NP/A	291	510	N77 5.4+1	O'Brien+	NDG. 2+ STATE REORIENTATION EFF
		$^{184}\text{W}(^{16}\text{O},\text{inelastic})^{184}\text{W}$ partial $\sigma(E)$				
11469	PUP Expt J NP/A	291	510	N77 5.3+1	5.4+1 O'Brien+	NDG. 2+ STATE REORIENTATION EFF
		$^{186}\text{W}(^{16}\text{O},\text{inelastic})^{186}\text{W}$ partial thick target yield				
11470	PUP Expt J NP/A	291	510	N77 5.4+1	O'Brien+	NDG. 2+ STATE REORIENTATION EFF
		$^{186}\text{W}(^{16}\text{O},\text{inelastic})^{186}\text{W}$ partial $\sigma(E)$				
11471	PUP Expt J NP/A	291	510	N77 5.3+1	5.4+1 O'Brien+	NDG. 2+ STATE REORIENTATION EFF

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
			Re(¹⁸⁰ x) ¹⁹⁵ Pb			product yield
11472	ORL	Expt P	ORNL-5297	94	77 NDG	Collins+ NDG. STUDIED DECAY OF PROD.
			Re(¹⁸⁰ x) ¹⁹⁷ Pb			product yield
11473	ORL	Expt P	ORNL-5297	94	77 NDG	Collins+ NDG. STUDIED DECAY OF PROD.
			¹⁹² Og(¹⁸⁰ fission)			σ(E)
11474	HAR	Expt P	NEANDC(E)-2028	479	NDG	Cunningham+ NDG. STUDY OF 208*PO FISS.
			¹⁹² Og(¹⁸⁰ elastic) ¹⁹² Og			σ(E)
11475	HAR	Expt P	NEANDC(E)-2028	479	NDG	Cunningham+ NDG. STUDY OF 208*PO FISS.
			¹⁹² Og(¹⁸⁰ fission)mass distribution			relative σ(E)
11476	HAR	Expt P	UKNDC-P-88	93	678 NDG	Goodall+ NDG. WORK IN PROGRESS.
			¹⁹⁷ Au(¹⁸⁰ x)			compound-nucleus σ(E)xfactor
11477	NBI	Rev C	73TRIEST 1	295	973 1.7+2	Siemens. TBL. L(CRIT) FRM LEFORT COMPIL
			¹⁹⁷ Au(¹⁸⁰ x)			compound-nucleus σ(E)
11478	TRM	Theo J	NP/A 329	224	079 1.2+2 1.4+2	Choudry+ TBL. FUS FRM FF SIG(THETA).
			¹⁹⁷ Au(¹⁸⁰ αfission)			σ(E)
11479	BNL	Expt A	74NASH	1	85 674 9.3+1	Hegnert+ VANISHINGLY SMALL SIGMA
			¹⁹⁷ Au(¹⁸⁰ α) ²⁰⁹ At			σ(E)
11480	BNL	Expt A	74NASH	1	85 674 9.3+1	Hegnert+ VANISHINGLY SMALL SIGMA
			¹⁹⁷ Au(¹⁸⁰ x)charge distribution			σ(E)
11481	KFK	Comp B	PH-DAT 15	1	079 1.4+2 1.7+2	Muenzel+ TBL. FROM EXFOR.
11482	YAL	Expt J	PR/C 8	1109	973 1.4+2 1.7+2	Eyal+ TBL. Z=3-7. INTEG. OVER E/ANGLE.
			Expt 4	EXFORB0021.	77 1.4+2 1.7+2	. 10 ENTRIES AT TWO ENERGIES.
			¹⁹⁷ Au(¹⁸⁰ x)isotopic distribution			independent σ(E)
11483	KFK	Comp B	PH-DAT 15	1	079 1.4+2 1.7+2	Muenzel+ TBL. FROM EXFOR.
11484	YAL	Expt J	PR/C 8	1109	973 1.4+2 1.7+2	Eyal+ TBL. CURV. Z=79-83. A=195-203.23ISOM.
			Expt 4	EXFORB0021.	77 1.4+2 1.7+2	. 74 DATA PTS. AT TWO ENERGIES.
			¹⁹⁷ Au(¹⁸⁰ x)isotopic distribution			cumulative σ(E)
11485	KFK	Comp B	PH-DAT 15	1	079 1.4+2 1.7+2	Muenzel+ TBL. FROM EXFOR.
11486	YAL	Expt J	PR/C 8	1109	973 1.4+2 1.7+2	Eyal+ TBL. CURV. Z=79-84. A=192-205.14ISOM.
			Expt 4	EXFORB0021.	77 1.4+2 1.7+2	. 28 DATA POINTS. 14 ISOMERS.
			¹⁹⁷ Au(¹⁸⁰ x)isotopic distribution			σ(E)
11487	BRK	Theo A	BAP 23	27	178 +4	Menchaca-Rocha+ NDG. PERIPHERAL REACT.
			²⁰⁵ Tl(¹⁸⁰ x)isotopic distribution			σ(E)
11488	YAL	Expt C	71ALBANY	497	71 NDG	Gough+ NDG.
			²⁰⁶ Pb(¹⁸⁰ x)			compound-nucleus σ(E)
11489	GRA	Rev S	LYCEN-7902	379	8.1+1 9.7+1	Fleury. P. C. 7.1. FUSION. CURV.
			²⁰⁶ Pb(¹⁸⁰ x+fission)			partial σ(E)xfactor
11490	BNL	Exth J	PR/C 15	954	377 8.0+1 1.0+2	Videbaek+ TBL. COMP. TO REACTION SIG
			²⁰⁶ Pb(¹⁸⁰ x)			partial σ(E)
11491	BNL	Exth J	PR/C 15	954	377 8.0+1 1.0+2	Videbaek+ TBL. QUASI-ELASTIC. SUM Z=5-8
11492	MUN	Expt J	JP/A 291	179	79 9.0+1 9.9+1	Sperr+ TBL. QUASIELASTIC=INL+TRANSFER.
			²⁰⁶ Pb(¹⁸⁰ x)			partial σ(E)xfactor
11493	BNL	Exth J	PR/C 15	954	377 8.0+1 1.0+2	Videbaek+ TBL. COMP. Q-E TO REACTION SIG
11494	MUN	Expt J	JP/A 291	179	79 9.0+1 9.9+1	Sperr+ TBL. QUASIELASTIC/REACTION(OM).
			²⁰⁶ Pb(¹⁸⁰ x)			compound-nucleus σ(E)
11495	GRA	Rev S	LYCEN-7902	379	7.2+1 2.2+2	Fleury. P. C. 7.1. FUSION. CURV.
11496	BZL	Theo J	PR/C 18	2152	N78 7.6+1 1.3+2	Vaz+ TBL. CURV. SYS. SEMIEMP. ANALYS. OF FUS
11497	BNL	Exth J	PR/C 15	954	377 8.0+1 1.0+2	Videbaek+ CURV. OPTICAL-MODEL.
11498	BER	Theo J	PR/C 20	992	979 8.1+1 1.0+2	Krappe+ CURV. UNIFIED POT. CFD EXP.
11499	STB	Theo J	PR/C 20	1731	N79 8.1+1 2.0+2	Delagrange+ CURV. OM ANALYSIS.
			Theo J	PR/C 18	820 878 7.7+1 2.2+2	Vaz+ CURV. ABACUS-3

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{208}\text{Pb}(^{160},x)$ partial direct-interaction $\sigma(E)$						
11500	BNL	Exth J PR/C	15 954 377	9.0+1		Videbaek+ CURV. FUNCTION OF L-TRANSFER
$^{208}\text{Pb}(^{160},x)$ direct-interaction $\sigma(E)$						
11501	BNL	Expt C 76ANL-2	2 825 476	8.0+1	1.0+2	Videbaek+ TBL. SUM OF QE+TRANSFER
$^{208}\text{Pb}(^{160},\text{fission})$ $\sigma(E)$						
11502	BNL	Exth J PR/C	15 954 377	8.0+1	1.0+2	Videbaek+ TBL. CURV. E/ANGLE INTEG.
		Expt C 76ANL-2	2 825 476	8.0+1	1.0+2	Videbaek+ TBL. CURV. SUM OF FISS. PROD.
11503	MUN	Expt J ZP/A 291	179 79	9.0+1	9.9+1	Sperr+ TBL. INTAD.
$^{208}\text{Pb}(^{160},\text{fission})$ partial $\sigma(E)$						
11504	BNL	Exth J PR/C	15 954 377	9.0+1		Videbaek+ CURV. FUNCTION OF L-TRANSFER
$^{208}\text{Pb}(^{160},\text{nonelastic})$ $\sigma(E)$						
11505	STB	Theo J PR/C	18 820 878	7.7+1	2.2+2	Vaz+ CURV. ABACUS-3
11506	MUN	Expt P BLH-JB-77	30 478	9.0+1	9.9+1	Essel+ TBL. INL+TRANSFER+FISSION
$^{208}\text{Pb}(^{160},\text{absorption})$ $\sigma(E)$						
11507	GRA	Rev S LYCEN-7902	379	7.2+1	2.2+2	Fleury, P. C.7.1. CURV.
11508	STB	Theo J PR/C	18 820 878	7.7+1	2.2+2	Vaz+ CURV. ABACUS-3
11509	BNL	Exth J PR/C	15 954 377	8.0+1	1.1+2	Videbaek+ CURV. CALC.
		Expt C 76ANL-2	2 825 476	8.0+1	1.0+2	Videbaek+ TBL. OPTICAL MODEL.
		Expt C 76ANL-2	2 825 476	8.0+1	1.0+2	Videbaek+ CURV. SUM OF DI+F.
11510	MUN	Expt J ZP/A 291	179 79	9.0+1	9.9+1	Sperr+ TBL. OM CFD EXPT.
$^{208}\text{Pb}(^{160},\text{absorption})$ $\sigma(E)$ x factor						
11511	BNL	Expt C 76ANL-2	2 825 476	8.0+1	1.0+2	Videbaek+ TBL. (DI+F)/OM RATIO
11512	MUN	Expt J ZP/A 291	179 79	9.0+1	9.9+1	Sperr+ TBL. QUASIELASTIC/REACTION(OM).
$^{208}\text{Pb}(^{160},\text{total})$ $\sigma(E)$						
11513	BRK	Exth J PR/C	18 180 778	8.0+1	2.4+2	Pieper+ CURV. 4 OPTICAL POTENTIALS.
11514	STB	Theo J PR/C	20 1731 179	8.1+1	2.0+2	Delagrange+ CURV. OM ANALYSIS.
		Theo J PR/C	20 1731 179	8.0+1	3.1+2	Delagrange+ TBL. OM CFD EXPT + SEMICLAS
$^{208}\text{Pb}(^{160},^{170})^{207}\text{Pb}$ partial $\sigma(E)$ x factor						
11515	MUN	Exth J NP/A 324	193 779	6.9+1	7.3+1	Francy+ CURV. DWBA. (13C,14C)/(160,170)
11516	BRK	Exth J PR/C	18 180 778	1.0+2	2.2+2	Pieper+ CURV. RATIO EXP/DWBA FOR 4 POT.
$^{208}\text{Pb}(^{160},^{170})^{207}\text{Pb}$ partial $\sigma(E)$						
11517	BRK	Exth J PR/C	18 180 778	1.0+2	2.2+2	Pieper+ TBL. 8 GROUPS.
$^{208}\text{Pb}(^{160},^{170})^{207}\text{Pb}$ $\sigma(E)$						
11518	BRK	Exth J PR/C	18 180 778	1.0+2	2.2+2	Pieper+ CURV. 4 OPT. POT. CFD EXP.
$^{208}\text{Pb}(^{160},^{170})^{207}\text{Pb}$ $\sigma(E)$ x factor						
11519	BRK	Exth J PR/C	18 180 778	1.0+2	2.2+2	Pieper+ CURV. RATIO EXP/DWBA FOR 4 POT.
$^{208}\text{Pb}(^{160},\text{Inelastic})^{208}\text{Pb}$ $\sigma(E)$						
11520	BNL	Expt C 76ANL-2	2 825 476	8.0+1	1.0+2	Videbaek+ CURV.
$^{208}\text{Pb}(^{160},\text{Inelastic})^{208}\text{Pb}$ partial $\sigma(E)$						
11521	BNL	Rev S BNL-51115	405 779	1.3+2	2.8+2	Sandorfi+ CURV. PEAK SIG FOR 11-MEV GDR
$^{208}\text{Pb}(^{160},^{180})^{209}\text{Pb}$ $\sigma(E)$						
11522	ANL	Theo P ANL-78-66	137 378	6.8+1	3.1+2	MacFarlane+ NDG. SINGLE CHANNEL DWBA.
$^{208}\text{Pb}(^{160},^{180})^{209}\text{Pb}$ partial $\sigma(E)$						
11523	BRK	Exth J PR/C	18 205 778	1.5+2	3.0+2	Olmer+ CURV. INTAD. EXP. CFD 2 DWBA FIT
$^{208}\text{Pb}(^{160},^{180})^{209}\text{Pb}$ partial $\sigma(E)$ x factor						
11524	BRK	Exth J PR/C	18 205 778	1.5+2	3.0+2	Olmer+ CURV. RATIO DWBA/EXP FOR 2 FITS.
$^{208}\text{Pb}(^{160},^{180})^{209}\text{Pb}$ $\sigma(E)$						
11525	ANL	Theo P ANL-78-66	137 378	6.8+1	3.1+2	MacFarlane+ NDG. SINGLE CHANNEL DWBA.
11526	BRK	Exth J PR/C	18 180 778	7.0+1	2.2+2	Pieper+ CURV. 4 OPT. POT. CFD EXP.
$^{208}\text{Pb}(^{160},^{180})^{209}\text{Pb}$ partial $\sigma(E)$						
11527	ANL	Rev S BNL-51115	673 779	6.7+0	6.3+2	MacFarlane. CURV. FROM PR/C 18, 305.
11528	BRK	Exth J PRL	38 476 277	6.9+1	3.1+2	Olmer+ CURV. 6 STATES. COMP. TO DWBA
11529	ANL	Rev S BNL-51115	445 779	7.5+1	3.2+2	Henning. CURV. FROM PR/C 18, 205.

REFERENCES(cont)

No.	Lab	Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{208}\text{Pb}(^{16}\text{O},^{19}\text{N})^{209}\text{Bi}$ partial $\sigma(\text{E})$						
11530	MSU	Rev S	BNL-51115	1 779	7.5+1 3.2+2	Gelbke. CURV. PR/C 18, 305. PART. WAVES
11531	MAN	Rev J	RPP 40	345	77 1.0+2	Phillips. CURV. Q-WINDOW. 7/2- LVL.
$^{208}\text{Pb}(^{16}\text{O},^{19}\text{N})^{209}\text{Bi}$ $\sigma(\text{E}) \times \text{factor}$						
11532	BRK	Exth J	PR/C 18	180 778	7.0+1 2.2+2	Pieper+ CURV. RATIO EXP/DWBA FOR 4 POT.
$^{208}\text{Pb}(^{16}\text{O},^{19}\text{N})^{209}\text{Bi}$ partial $\sigma(\text{E}) \times \text{factor}$						
11533	BRK	Exth J	PR/C 18	180 778	7.0+1 2.2+2	Pieper+ CURV. RATIO EXP/DWBA FOR 4 POT.
$^{208}\text{Pb}(^{16}\text{O},^{19}\text{N})^{209}\text{Bi}$ partial $\sigma(\text{E})$						
11534	BRK	Exth J	PR/C 18	180 778	1.0+2 2.2+2	Pieper+ TBL. SINGLE PROTON STATES.
		Exth J	PR/C 18	205 778	7.0+1 3.1+2	Olmer+ CURV. EXP. CFD 3 DWBA FITS
$^{208}\text{Pb}(^{16}\text{O},^{19}\text{N})^{209}\text{Bi}$ partial $\sigma(\text{E}) \times \text{factor}$						
11535	BRK	Exth J	PR/C 18	180 778	1.0+2 2.2+2	Pieper+ TBL. RATIO FROM TWO POTENTIALS
		Exth J	PR/C 18	205 778	7.0+1 3.1+2	Olmer+ CURV. RATIO DWBA/EXP FOR 3 FITS.
		Exth J	PR/C 18	205 778	7.0+1 3.1+2	Olmer+ CURV. INTAD. EXP. CFD 2 DWBA FIT
$^{208}\text{Pb}(^{16}\text{O},^{14}\text{C})^{210}\text{Po}$ $\sigma(\text{E}) \times \text{factor}$						
11536	NBI	Theo A	74NASH	1 57 674	NDG	Bang+ TBL. SIG(EXP)/SIG(THEORY)
$^{208}\text{Pb}(^{16}\text{O},\text{x})$ charge distribution $\sigma(\text{E})$						
11537	BNL	Exth J	PR/C 15	954 377	8.0+1 1.0+2	Videbaek+ TBL. CURV. Z=5-8. E/ANGLE INTE
		Expt C	76ANL-2	2 825 476	8.0+1 1.0+2	Videbaek+ CURV. Z = 6.7.
$^{208}\text{Pb}(^{16}\text{O},\text{x})$ charge distribution $\sigma(\text{E}) \times \text{factor}$						
11538	BRK	Expt J	PL/B 65	227 N76	1.4+2 3.2+2	Gelbke+ CURV. Z=3-7. 140MEV/315MEV.
		Expt J	PL/B 65	227 N76	3.2+2 3.3+4	Gelbke+ CURV. Z=3-7. 315MEV/33.6GEV
		Expt J	PL/B 65	227 N76	1.4+2 3.2+2	Gelbke+ CURV. Z=3-7. AU197/PB208.
		Expt J	PL/B 65	227 N76	1.4+2 3.2+2	Gelbke+ CURV. Z=3-7. ZR94/PB208.
		Expt J	PL/B 65	227 N76	3.2+2	Gelbke+ CURV. Z=3-7. TH232/PB208.
11539	MSU	Rev S	BNL-51115	1 779	1.4+2 3.2+2	Gelbke. CURV. Z=3-7. 140MEV/315MEV.
		Rev S	BNL-51115	1 779	3.2+2 3.3+4	Gelbke. CURV. Z=3-7. 315MEV/33.6GEV.
$^{208}\text{Pb}(^{16}\text{O},\text{x})$ isotopic distribution $\sigma(\text{E})$						
11540	BRK	Theo A	BAP 23	27 178	+4	Menchaca-Rocha+ NDG. PERIPHERAL REACT.
$^{208}\text{Pb}(^{16}\text{O},\text{x})$ isotopic distribution $\sigma(\text{E}) \times \text{factor}$						
11541	BRK	Expt J	PL/B 65	227 N76	1.4+2 3.2+2	Gelbke+ CURV. Z=3-7. 140MEV/315MEV.
		Expt J	PL/B 65	227 N76	3.2+2 3.3+4	Gelbke+ CURV. Z=3-7. 315MEV/33.6GEV
		Expt J	PL/B 65	227 N76	1.4+2 3.2+2	Gelbke+ CURV. Z=3-7. AU197/PB208.
		Expt J	PL/B 65	227 N76	3.2+2	Gelbke+ CURV. Z=3-7. TH232/PB208.
11542	MSU	Rev S	BNL-51115	1 779	1.4+2 3.2+2	Gelbke. CURV. Z=3-7. 140MEV/315MEV.
		Rev S	BNL-51115	1 779	3.2+2 3.3+4	Gelbke. CURV. Z=3-7. 315MEV/33.6GEV.
$^{209}\text{Bi}(^{16}\text{O},^{18}\text{Ne})^{207}\text{Tl}$ partial $\sigma(\text{E})$						
11543	PAR	Theo J	ZP/A 290	157 79	6.6+1 8.0+1	Bimbot+ CURV. SUBCOUL. TRANSFER CFD EXP
$^{209}\text{Bi}(^{16}\text{O},^{17}\text{F})^{208}\text{Pb}$ partial $\sigma(\text{E})$						
11544	PAR	Theo J	ZP/A 290	157 79	7.2+1 8.0+1	Bimbot+ CURV. SUBCOUL. TRANSFER CFD EXP
$^{209}\text{Bi}(^{16}\text{O},\text{x})^{210}\text{Bi}$ $\sigma(\text{E})$						
11545	PAR	Expt J	PR/C 18	1298 978	8.3+1 9.9+1	Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
$^{209}\text{Bi}(^{16}\text{O},\text{x})^{210}\text{Po}$ cumulative $\sigma(\text{E})$						
11546	PAR	Expt J	PR/C 18	1298 978	7.7+1 9.4+1	Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
$^{209}\text{Bi}(^{16}\text{O},\text{x})^{210}\text{Po}$ independent $\sigma(\text{E})$						
11547	PAR	Exth T	D. GARDES	076 7.8+1	9.4+1	Gardes. TBL. CURV. ACTIVATION.
$^{209}\text{Bi}(^{16}\text{O},\text{x})^{210}\text{Po}$ $\sigma(\text{E})$						
11548	PAR	Expt J	PR/C 18	1298 978	7.7+1 9.4+1	Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
$^{209}\text{Bi}(^{16}\text{O},\text{x})^{210}\text{At}$ $\sigma(\text{E})$						
11549	PAR	Expt J	PR/C 18	1298 978	8.3+1 9.9+1	Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
$^{209}\text{Bi}(^{16}\text{O},\text{x})^{211}\text{At}$ $\sigma(\text{E})$						
11550	PAR	Expt J	PR/C 18	1298 978	5.8+1 9.9+1	Gardes+ TBL. 2PI ION. CHMBRS FOR A + G

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
²⁰⁸Bi(¹⁶O,x) mass distribution $\sigma(E)$					
11551	PAR Expt P	IPNO-RC-77	10	77 7.7+1	9.4+1 Gardes+ TBL. A-210. RESIDUAL ACTIVITY.
²³²Th(¹⁶O,¹²C+fission) $\sigma(E)$ x factor					
11552	CBR Expt J	PRL 42	153	179 7.5+1	9.5+1 Leigh+ TBL. CALC. TRANSFER FISSION PROB
²³²Th(¹⁶O,¹⁴C+fission) $\sigma(E)$ x factor					
11553	CBR Expt J	PRL 42	153	179 7.5+1	9.5+1 Leigh+ TBL. CALC. TRANSFER FISSION PROB
²³²Th(¹⁶O,¹⁵N+fission) $\sigma(E)$ x factor					
11554	CBR Expt J	PRL 42	153	179 7.5+1	9.5+1 Leigh+ TBL. CALC. TRANSFER FISSION PROB
²³²Th(¹⁶O,¹⁸O+fission) $\sigma(E)$ x factor					
11555	CBR Expt J	PRL 42	153	179 7.5+1	9.5+1 Leigh+ TBL. CALC. TRANSFER FISSION PROB
²³⁸U(¹⁶O,x) compound-nucleus $\sigma(E)$					
11556	PAR Revv J	JPRC 37	57	N76 1.6+2	Lefort. 1.498. SUM OF EVAP. RES.+FISS.
	Revv J	RPP 39	129	76 1.5+2	Lefort. TBL. SUM OF EVAP. RES. AND FISS
²³⁸U(¹⁶O,fission) $\sigma(E)$					
11557	PAR Revv J	JPRC 37	57	N76 1.6+2	Lefort. 1.490B.
	Revv J	RPP 39	129	76 1.5+2	Lefort. TBL.
²³⁸U(¹⁶O,inelastic)²³⁸U partial $\sigma(E)$ x factor					
11558	BRK Theo J	PR/C 15	713	277 1.0+2	2.0+3 Bertsch+ TBL. PROB. OF PION PRODUCTION.
²³⁹Pu(¹⁶O,x)²⁴⁴Cf $\sigma(E)$					
11559	ORL Expt P	ORNL-5306	45	677 NDG	Hahn+ MAX. SIGMA APP. 10 MICROBARN.
	Expt P	ORNL-5297	94	77 NDG	Hahn+ NDG. MAX SIG APP. 10MICROB.
	Expt P	ORNL-5137	36	576 6.8+1	9.8+1 Hahn+ NDG. MAX SIGMA = 7-10 MICROBARN
²³⁹Pu(¹⁶O,x)²⁴⁵Cf $\sigma(E)$					
11560	ORL Expt P	ORNL-5306	45	677 NDG	Hahn+ MAX. SIGMA APP. 10 MICROBARN.
	Expt P	ORNL-5297	94	77 NDG	Hahn+ NDG. MAX SIG APP. 10MICROB.
	Expt P	ORNL-5137	36	576 6.8+1	9.8+1 Hahn+ NDG. MAX SIGMA = 7-10 MICROBARN
²⁴⁸Cm(¹⁶O,⁴ⁿ)²⁶⁰Ku including metastable? product yield					
11561	DUB Expt J	YF 24	254	876 9.5+1	Druin+
	Expt R	JINR-9546		276 9.5+1	Druin+
	Expt J	SNP 24	131	77 9.5+1	.TRANSLATION OF YF 24.2.254(76).
	Expt 4	EXFORA0005.004	478	9.5+1	. 0.001MICROB.
²⁴⁸Cm(¹⁶O,x) isotopic distribution $\sigma(E)$					
11562	BRK Expt P	LBL-8151	84	678 9.2+1	Nittches+ STILL IN PROGRESS. SF ACTIV.
systematics(¹⁶O,x) compound-nucleus $\sigma(E)$					
11563	ANL Revv A	BAP 23	98	178 NDG	Kovar. NDG. REVIEWED ANL PROGRAM.
11564	ORL Revv C	77TENN	22	77 NDG	Stokstead.CURV. MAX. SIG FOR Z=12,13,20
11565	SAC Expt J	B15 224	134	777 NDG	Harar. CURV. MAX FUS. SIG. 1P+25-10 NUC
systematics(¹⁶O,total) $\sigma(E)$					
11566	FSU Theo C	77TOKYO	655	977 NDG	Davis. NDG. MODEL-INDEPENDENT METHOD.
systematics(¹⁶O,¹²C) partial $\sigma(E)$					
11567	ANL Expt P	ANL-78-66	50	378 +1	Henning+ NDG. QUASI-ELASTIC
systematics(¹⁶O,¹²C) direct-interaction $\sigma(E)$					
11568	ANL Expt P	ANL-78-66	50	478 NDG	Henning+ NDG. DIRECT TRANSFER.
systematics(¹⁶O,x)n $\sigma(E)$					
11569	FSU Theo A	74NASH	1	52 674 1.6+1	7.5+1 Holub+ NDG. STAT. EVAP. CODE P+(S,D) SH
	Theo A	74NASH	1	52 674 1.6+1	7.5+1 Holub+ NDG. STAT. EVAP. CODE. A=54-62
systematics(¹⁶O,x)¹H $\sigma(E)$					
11570	FSU Theo A	74NASH	1	52 674 1.6+1	7.5+1 Holub+ NDG. STAT. EVAP. CODE P+(S,D) SH
	Theo A	74NASH	1	52 674 1.6+1	7.5+1 Holub+ NDG. STAT. EVAP. CODE. A=54-62
systematics(¹⁶O,x)⁴He $\sigma(E)$					
11571	FSU Theo A	74NASH	1	52 674 1.6+1	7.5+1 Holub+ NDG. STAT. EVAP. CODE P+(S,D) SH
	Theo A	74NASH	1	52 674 1.6+1	7.5+1 Holub+ NDG. STAT. EVAP. CODE. A=54-62

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		Type				
systematics(¹⁶ O,x)charge distribution σ(E)						
11572	GRE	Exth P	15N-77-01	58	76	NDG Billerey+ NDG. Z=2-12 PRODUCTS.
		Exth P	LYCEN-7701	15	76	NDG Billerey+ NDG. Z=2-12 PRODUCTS.
⁹ Be(¹⁷ O,x) σ(E)						
11573	TNL	Theo P	ORO-1667-17116	79	NDG	Park+ NDG. LANDAU-ZENER EXCIT. MECII.
		Theo P	A-TNL-78 116	79	NDG	. SAME AS ORO-1667-17
¹² C(¹⁷ O,x) compound-nucleus σ(E)						
11574	WZ1	Expt J	PR/C 13	1527	76	1.7+1 3.4+1 Eyal+ TBL. DEDUCED FROM EVAPOR. RESIDUE
11575	MUN	Expt J	PR/C 18	2780	078	3.4+1 8.0+1 Hertz+CURV. TOTAL FUSION FRM EVAP. RES.
¹² C(¹⁷ O,x) σ(E)						
11576	TNL	Theo P	ORO-1667-17116	79	NDG	Park+ NDG. LANDAU-ZENER EXCIT. MECH.
		Theo P	A-TNL-78 116	79	NDG	. SAME AS ORO-1667-17
¹² C(¹⁷ O,inelastic) ¹² C partial σ(E)						
11577	WZ1	Expt A	74NASH 1	3	674	3.1+1 3.4+1 Chechik+ NDG. FIRST-EXCITED STATE(017)
¹² C(¹⁷ O,elastic) ¹² C σ(E)						
11578	WZ1	Expt A	74NASH 1	3	674	3.1+1 3.4+1 Chechik+ NDG.
¹² C(¹⁷ O, ¹³ C) ¹⁶ O σ(E)						
11579	WZ1	Expt A	74NASH 1	3	674	3.1+1 3.4+1 Chechik+ NDG. A FEW MB.
¹² C(¹⁷ O, ¹³ C) ¹⁶ O partial σ(E)						
11580	WZ1	Expt A	74NASH 1	3	674	3.1+1 3.4+1 Chechik+ NDG. FIRST-EXCITED STATE(C13)
¹² C(¹⁷ O,x)charge distribution σ(E)						
11581	MUN	Expt J	PR/C 18	2780	078	3.4+1 8.0+1 Hertz+ CURV. Z = 10-13.
¹³ C(¹⁷ O,inelastic) ¹³ C partial σ(E)						
11582	WZ1	Expt A	74NASH 1	3	674	3.0+1 3.2+1 Chechik+ NDG. FIRST-EXCITED STATE(017)
¹³ C(¹⁷ O,elastic) ¹³ C σ(E)						
11583	WZ1	Expt A	74NASH 1	3	674	3.0+1 3.2+1 Chechik+ NDG.
¹³ C(¹⁷ O, ¹⁵ N) ¹⁵ N σ(E)						
11584	WZ1	Expt A	74NASH 1	3	674	3.0+1 3.2+1 Chechik+ NDG. LESS THAN 1 MB.
¹³ C(¹⁷ O, ¹⁵ N) ¹⁵ N partial σ(E)						
11585	WZ1	Expt A	74NASH 1	3	674	3.0+1 3.2+1 Chechik+ NDG. FIRST- AND SECOND-EXCITED
¹³ C(¹⁷ O, ¹⁴ C) ¹⁶ O σ(E)						
11586	WZ1	Expt A	74NASH 1	3	674	3.0+1 3.2+1 Chechik+ NDG A FEW MB.
¹³ C(¹⁷ O,x) ¹⁸ O σ(E)						
11587	STR	Expt A	BAP 24	851	979	3.5+1 6.0+1 Haas+ NDG. LITTLE STRUCTURE.
¹³ C(¹⁷ O, ¹² C) ¹⁸ O σ(E)						
11588	WZ1	Expt A	74NASH 1	3	674	3.0+1 3.2+1 Chechik+ NDG. ABOUT 1 MB.
¹³ C(¹⁷ O, ¹² C) ¹⁸ O partial σ(E)						
11589	WZ1	Expt A	74NASH 1	3	674	3.0+1 3.2+1 Chechik+ NDG. FIRST-EXCITED STATE(018)
¹³ C(¹⁷ O, ¹¹ B) ¹⁹ F σ(E)						
11590	WZ1	Expt A	74NASH 1	3	674	3.0+1 3.2+1 Chechik+ NDG. LESS THAN 1 MB.
¹³ C(¹⁷ O, ⁹ Be) ²¹ Ne σ(E)						
11591	WZ1	Expt A	74NASH 1	3	674	3.0+1 3.2+1 Chechik+ NDG. LESS THAN 1 MB.
¹³ C(¹⁷ O, ⁹ Be) ²¹ Ne partial σ(E)						
11592	WZ1	Expt A	74NASH 1	3	674	3.0+1 3.2+1 Chechik+ NDG. FIRST-EXCITED STATE(NE21)
¹⁸ O(¹⁷ O, ¹⁶ O) ¹⁸ O thick target yield+factor						
11593	MAN	Expt J	NP/A 269	443	76	1.4+1 1.6+1 Durell+ CURV. MEAS. BETA-DELAYED 1.366
²⁷ Al(¹⁷ O,x) compound-nucleus σ(E)						
11594	ANL	Expt P	ANL-79-40	43	79	NDG Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
11595	ORL	Revu C	77TENN	22	77	2.7+1 3.9+1 Stokstead.CURV.W1577/19-PH+PR/C 13.1527
11596	WZ1	Exth J	NP/A 291	459	N77	2.8+1 4.2+1 Eisen+TBL. CURV. INI OA/DE OF EVAP. RES

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
²⁷ Al(¹⁷ O,absorption) σ(E)				
11597 WZI Expt J NP/A 291	459 N77	2.8+1	4.2+1	Eisen+TBL. CURV. OPT. MOD. CFD EXP. FUS SIG
⁴⁸ Ca(¹⁷ O, ¹⁶ O) ⁴⁹ Ca partial σ(E)				
11598 MAN Rev C 74NASH	2 283 674	3.0+1		Goldfarb. CURV. FUNCTION OF W.
²⁰⁹ Pb(¹⁷ O, ¹⁶ O) ²⁰⁹ Pb partial σ(E)×factor				
11599 MIN Expt J NP/A 324	193 779	6.7+1		Franeys+ CURV. DWBA. (13C,12C)/(17O,16O)
¹⁰ B(¹⁰ O, ¹¹ B) ¹⁷ O partial σ(E)				
11600 NBI Eval J PL/C 29	291 277	4.3+0	8.6+0	Brogli+ CURV. 017 Si/2 STATE.
¹² C(¹⁰ O,x) compound-nucleus σ(E)				
11601 WZI Expt J PR/C 13	1527 76	1.8+1	3.5+1	Eyal+ TBL. DEDUCED FROM EVAPOR. RESIDUE
11602 BZL Theo J PR/C 18	2152 N78	2.1+1	5.3+1	Vaz+ CURV. SYS. SEMIEMP. ANALYS. OF FUS
11603 MIT Rev C 77TENN	73 77	2.6+1	7.5+1	Negele. CURV. FRM PRL 37, 321(1976)
Rev J JPRC 37	177 N76	3.3+1	2.5+2	Feshbach. CURV.
11604 ANL Expt J PR/C 20	1305 079	3.0+1	7.0+1	Kovar+ TBL. CURV. FUSION. CFD OTHERS.
Expt C 77TOKYO	660 977	NDG		Kovar+ CURV. MAX. FUSION SIGMA.
Expt P ANL-76-96	35 77	NDG		Sperr+ MAX. SIG.=(1200+30)MB.
Expt P ANL-76-96	35 77	4.5+1	1.1+2	Sperr+ CURV. SUM OF EVAP. RES.
Rev C 76ANL-2 1	95 476	2.2+1	9.9+9	Vigdor. CURV. FUSION.
Expt C 76ANL-2 2	783 476	4.5+1	7.0+1	Sperr+ CURV. FUS = SUM OF EVAP. RES.
Expt J PRL 37	321 76	2.6+1	7.5+1	Sperr+ CURV. INTEG. ANG. DIST.
11605 STR Expt J PR/C 17	1607 578	1.0+2		Coffin+TBL. SUM OF EVAP. RES. (A GT 18)
¹² C(¹⁰ O,total) σ(E)				
11606 STR Expt J PR/C 17	1607 578	1.0+2		Coffin+TBL. SUM EL(10NOA)+SUM EVAP. RES
¹² C(¹⁰ O,x) _y partial σ(E)				
11607 MAU Expt A BAP 23	933 978	2.2+1	6.2+1	Chan+ NDG.
¹² C(¹⁰ O,x) _n σ(E)				
11608 ORL Expt P ORNL-5306	59 677	NDG		Bair+ NDG. PAPER IN PREPARATION
11609 ORL Expt P ORNL-5137	87 576	NDG		Bair+ NDG. REPORTED IN ORNL-4844,45(73)
Expt A BAP 17	53 472	TR	5.5+1	Bair+ NDG. YLD. APP 7*YLD OF C12(1016,XN
¹² C(¹⁰ O,scattering) ¹² C product yield				
11610 NOT Expt A BAP 24	842 979	4.0+1	6.0+1	Davis+ NDG.
¹² C(¹⁰ O,inelastic) ¹² C partial σ(E)				
11611 WZI Expt A 74NASH 1	3 674	3.2+1	3.5+1	Chechik+ NDG. FIRST-EXCITED STATE(C12)
¹² C(¹⁰ O,elastic) ¹² C σ(E)				
11612 WZI Expt A 74NASH 1	3 674	3.2+1	3.5+1	Chechik+ NDG.
¹² C(¹⁰ O,x) ¹⁴ C product yield				
11613 NOT Expt A BAP 24	842 979	4.0+1	6.0+1	Davis+ NDG.
¹² C(¹⁰ O, ¹⁵ N) ¹⁵ N σ(E)				
11614 WZI Expt A 74NASH 1	3 674	3.2+1	3.5+1	Chechik+ NDG. LESS THAN 1 MB.
¹² C(¹⁰ O, ¹⁴ C) ¹⁶ O σ(E)				
11615 WZI Expt A 74NASH 1	3 674	3.2+1	3.5+1	Chechik+ NDG. A FEW MB.
¹² C(¹⁰ O, ¹³ C) ¹⁷ O σ(E)				
11616 WZI Expt A 74NASH 1	3 674	3.2+1	3.5+1	Chechik+ NDG. A FEW MB.
¹² C(¹⁰ O, ¹³ C) ¹⁷ O product yield				
11617 NOT Expt A BAP 24	842 979	4.0+1	6.0+1	Davis+ NDG.
¹² C(¹⁰ O,inelastic) ¹⁸ O partial σ(E) _y				
11618 MAU Expt J PRL 42	687 379	2.3+1	6.8+1	Chan+ CURV. 1982-+1571-KEV TRANSITIONS
Expt P A-WAU-78	82 778	2.2+1	6.8+1	Bhang+ CURV. 1982 KCV O.
11619 STR Expt J PRL 40	927 478	2.5+1	5.9+1	Freeman+ CURV. 1.982-MEV TRANSITION
¹² C(¹⁰ O,x) ²² Ne partial σ(E)				
11620 STR Expt J PRL 40	927 478	2.5+1	5.9+1	Freeman+ CURV. 1.275-MEV TRANSITIONS
¹² C(¹⁰ O,x) ²⁴ Na partial σ(E)				
11621 MAU Expt P A-WAU-78	82 778	4.5+1	7.0+1	Bhang+ CURV. 472 KEV G.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{12}\text{C}(^{18}\text{O},\text{x})^{24}\text{Mg}$ partial $\sigma(\text{E})$				
11622 WAU Expt P A-WAU-78	82 778	3.0+1	7.0+1	Bhang+ CURV. 1369 KEV G.
$^{12}\text{C}(^{18}\text{O},\text{x})^{25}\text{Mg}$ partial $\sigma(\text{E})$				
11623 STR Expt J PRL 40	927 478	2.5+1	5.9+1	Freeman+ CURV. 390-KEV TRANSITION
11624 WAU Expt P A-WAU-78	82 778	2.5+1	7.0+1	Bhang+ CURV. 1612 KEV G.
$^{12}\text{C}(^{18}\text{O},\text{x})^{26}\text{Mg}$ partial $\sigma(\text{E})$				
11625 WAU Expt J PRL 42	687 379	2.2+1	4.8+1	Chan+ CURV. 1130-KEV TRANSITION FROM G5
$^{12}\text{C}(^{18}\text{O},\text{x})$ charge distribution $\sigma(\text{E})$				
11626 STR Expt J PR/C 17	1607 578	1.0+2		Coffin+ CURV. Z=6-13.
$^{12}\text{C}(^{18}\text{O},\text{x})$ mass distribution $\sigma(\text{E})$				
11627 STR Expt J PR/C 17	1607 578	1.0+2		Coffin+CURV.12-27. CFD. GROGI+CASCADE.
$^{12}\text{C}(^{18}\text{O},\text{x})$ isotopic distribution $\sigma(\text{E})$				
11628 STR Expt J PR/C 17	1607 578	1.0+2		Coffin+CRV.Z=9-13/A=19-27.CFDGROGI+CAS
$^{13}\text{C}(^{18}\text{O},\text{x})$ compound-nucleus $\sigma(\text{E})$				
11629 STR Expt J PR/C 17	1607 578	1.0+2		Coffin+TBL. SUM OF EVAP. RES.(A GT 18)
$^{13}\text{C}(^{18}\text{O},\text{total})$ $\sigma(\text{E})$				
11630 STR Expt J PR/C 17	1607 578	1.0+2		Coffin+TBL.SUM EL(GENOA)+SUM EVAP. RES
$^{13}\text{C}(^{18}\text{O},\text{inelastic})^{13}\text{C}$ partial $\sigma(\text{E})$				
11631 WZI Expt A 74NASH 1	3 674	3.1+1	3.3+1	Chechik+ NDG. FIRST-EXCITED STATE(018)
$^{13}\text{C}(^{18}\text{O},\text{elastic})^{13}\text{C}$ $\sigma(\text{E})$				
11632 WZI Expt A 74NASH 1	3 674	3.1+1	3.3+1	Chechik+ NDG.
$^{13}\text{C}(^{18}\text{O},^{14}\text{C})^{17}\text{O}$ $\sigma(\text{E})$				
11633 WZI Expt A 74NASH 1	3 674	3.1+1	3.3+1	Chechik+ NDG. A FEW MB.
$^{13}\text{C}(^{18}\text{O},^{14}\text{C})^{17}\text{O}$ partial $\sigma(\text{E})$				
11634 WZI Expt A 74NASH 1	3 674	3.1+1	3.3+1	Chechik+ NDG. FIRST-EXCITED STATE(017)
$^{13}\text{C}(^{18}\text{O},^{12}\text{C})^{19}\text{O}$ thick target yield+factor				
11635 MAN Expt J NP/A 269 443	76 1.3+1	1.5+1		Durell+ CURV. MEAS. BETA-DELAYED 1.366
$^{13}\text{C}(^{18}\text{O},^{12}\text{C})^{19}\text{O}$ partial $\sigma(\text{E})$				
11636 WZI Expt A 74NASH 1	3 674	3.1+1	3.3+1	Chechik+ NDG. G.S. AND FIRST(019)
$^{13}\text{C}(^{18}\text{O},^9\text{Be})^{22}\text{Ne}$ $\sigma(\text{E})$				
11637 WZI Expt A 74NASH 1	3 674	3.1+1	3.3+1	Chechik+ NDG. LESS THAN 1 MB.
$^{13}\text{C}(^{18}\text{O},^9\text{Be})^{22}\text{Ne}$ partial $\sigma(\text{E})$				
11638 WZI Expt A 74NASH 1	3 674	3.1+1	3.3+1	Chechik+ NDG. 1RST, 2ND EXCITED(BE9).
$^{13}\text{C}(^{18}\text{O},\text{x})$ charge distribution $\sigma(\text{E})$				
11639 STR Expt J PR/C 17	1607 578	1.0+2		Coffin+ CURV. Z=6-13.
$^{13}\text{C}(^{18}\text{O},\text{x})$ mass distribution $\sigma(\text{E})$				
11640 STR Expt J PR/C 17	1607 578	1.0+2		Coffin+CURV.12-27. CFD. GROGI+CASCADE.
$^{13}\text{C}(^{18}\text{O},\text{x})$ mass distribution compound-nucleus $\sigma(\text{E})$				
11641 STR Expt J PR/C 17	1607 578	1.0+2		Coffin+ CURV. A=19-27. CALC. FUNC. LCRI
$^{13}\text{C}(^{18}\text{O},\text{x})$ isotopic distribution $\sigma(\text{E})$				
11642 STR Expt J PR/C 17	1607 578	1.0+2		Coffin+CRV.Z=9-13/A=19-27.CFDGROGI+CAS
$^{18}\text{O}(^{18}\text{O},\text{x})\text{n}$ $\sigma(\text{E})$				
11643 ORL Expt P ORNL-5306	59 677	NDG		Bair+ NDG. PAPER IN PREPARATION
11644 ORL Expt A BAP 17	53 472	TR	5.5+1	Bair+ NDG. NO STRUCTURE OBSERVED.
$^{18}\text{O}(^{18}\text{O},\text{x})\text{n}$ $\sigma(\text{E})$				
11645 ORL Expt P ORNL-5306	59 677	NDG		Bair+ NDG. PAPER IN PREPARATION
11646 ORL Expt A BAP 17	53 472	TR	5.5+1	Bair+ NDG. YLD.=11.*YLD FOR 016(016,XN)
$^{18}\text{O}(^{18}\text{O},\text{x})^{27}\text{Mg}$ $\sigma(\text{E})$				
11647 ETH Expt C 71ALBANY	527 71	2.0+1	4.0+1	Eyal+ CURV. ACTIV. METHOD AND CALC.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{18}\text{O}(^{18}\text{O},x)^{30}\text{Al}$			$\sigma(\text{E})$
11648	ETH Expt C 71ALBANY	527	71	2.5+1 4.0+1	Eyal+ CURV. ACTIV. METHOD AND CALC.
		$^{18}\text{O}(^{18}\text{O},x)^{34}\text{P}$			$\sigma(\text{E})$
11649	ETH Expt C 71ALBANY	527	71	1.6+1 4.0+1	Eyal+ CURV. ACTIV. METHOD AND CALC.
		$^{18}\text{O}(^{18}\text{O},x)$ isotopic distribution			product yield
11650	PAR Expt S CERN-76-13	248 677	9.1+1		Detraz+ NDG. 27 READILY OBSERVED ISOTOP
		$^{24}\text{Mg}(^{18}\text{O},x)$ compound-nucleus			$\sigma(\text{E})$
11651	ANL Expt J PR/C	17 2136 678	3.2+1	7.2+1	Tabor+ TBL. CURV. FUS SIG FRM EVAP RES
		$^{24}\text{Mg}(^{18}\text{O},\text{total})$			$\sigma(\text{E})$
11652	ANL Expt J PR/C	17 2136 678	3.2+1	7.2+1	Tabor+CURV. FRM OM FIT TO ELAS. CFD FUS
		$^{24}\text{Mg}(^{18}\text{O},^{14}\text{C})^{28}\text{Si}$			product yield
11653	BNL Expt A BAP	24 570 479	4.0+1	6.1+1	Barrett+ NDG. BROAD STRUCTURE.
		$^{26}\text{Mg}(^{18}\text{O},x)$ compound-nucleus			$\sigma(\text{E})$
11654	ANL Expt P ANL-78-66	40 378	3.0+1	8.1+1	Tabor+ CURV. FUSION.
		$^{26}\text{Mg}(^{18}\text{O},2n+p)^{41}\text{K}$			relative I_γ
11655	UTR Expt J NP/A	299 175 478	3.4+1		Eggenhuisen+ TBL. 9 GS. ALSO LEG. POLY.
		$^{26}\text{Mg}(^{18}\text{O},3n)^{41}\text{Ca}$			relative I_γ
11656	UTR Expt J NP/A	299 175 478	3.4+1		Eggenhuisen+ TBL. 6 GS. ALSO LEG. POLY.
		$^{27}\text{Al}(^{18}\text{O},x)$ compound-nucleus			$\sigma(\text{E})$
11657	ANL Expt P ANL-79-40	43 79	NDG		Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
11658	ORL Revw C 77TENN	22 77	2.8+1	4.0+1	Stokstead.CURV.WIS77/19-PH+PR/C 13.1527
11659	WZ1 Exth J NP/A	291 459 N77	2.8+1	4.2+1	Eisen+TBL. CURV. INT DA/DE OF EVAP. RES
11660	KLN Expt J PR/C	20 1028 979	3.6+1	7.2+1	Rascher+ TBL. CURV. FRM EVAP. RES.
		$^{27}\text{Al}(^{18}\text{O},\text{absorption})$			$\sigma(\text{E})$
11661	WZ1 Exth J NP/A	291 459 N77	2.8+1	4.2+1	Eisen+TBL.CURV.OPT.MOD.CFD EXP. FUS SIG
		$^{27}\text{Al}(^{18}\text{O},x)$ isotopic distribution			product yield
11662	STB Expt A DA/B	39 4949 479	1.0+2		Harris. NDG. CFD STATISTICAL INTERPRE.
		$\text{Si}(^{18}\text{O},x)$ compound-nucleus			$\sigma(\text{E})$
11663	KLN Expt J PR/C	20 1028 979	3.4+1	7.2+1	Rascher+ TBL. CURV. FRM EVAP. RES.
		$^{48}\text{Ca}(^{18}\text{O},x)^{60}\text{Mn}$			product yield
11664	ANL Expt J PR/C	17 2176 678	5.0+1	7.0+1	Norman+ NDG.
		$^{48}\text{Ca}(^{18}\text{O},x)^{60}\text{Mn}$			$\sigma(\text{E})$
11665	ANL Expt J PR/C	17 2176 678	5.6+1		Norman+ 80MICROB FRM ALICE. HIGHEST YLD
		$^{54}\text{Fe}(^{18}\text{O},2n+p)^{69}\text{As}$			relative I_γ
11666	KLN Expt J PR/C	17 2113 678	4.5+1	5.5+1	Hellmeister+ CURV. 5 GS+3DOUBLETS
		$^{58}\text{Ni}(^{18}\text{O},x)_n$			$\sigma(\text{E})$
11667	ORL Exth J PR/C	14 2126 76	3.6+1	5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
		$^{58}\text{Ni}(^{18}\text{O},x)$ isotopic distribution			product yield
11668	STB Expt A DA/B	39 4949 479	1.0+2		Harris. NDG. CFD STATISTICAL INTERPRE.
		$^{60}\text{Ni}(^{18}\text{O},x)_n$			$\sigma(\text{E})$
11669	ORL Exth J PR/C	14 2126 76	3.6+1	5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
		$^{61}\text{Ni}(^{18}\text{O},x)_n$			$\sigma(\text{E})$
11670	ORL Exth J PR/C	14 2126 76	3.6+1	5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
		$^{62}\text{Ni}(^{18}\text{O},x)_n$			$\sigma(\text{E})$
11671	UHL Exth J PR/C	14 2126 76	3.6+1	5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
		$^{64}\text{Ni}(^{18}\text{O},x)_n$			$\sigma(\text{E})$
11672	ORL Exth J PR/C	14 2126 76	3.6+1	5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
		$^{64}\text{Ni}(^{18}\text{O},x)$ isotopic distribution			product yield
11673	STB Expt A DA/B	39 4949 479	1.0+2		Harris. NDG. CFD STATISTICAL INTERPRE.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{63}\text{Cu}(^{18}\text{O}, \text{absorption}) \sigma(\text{E})$			
11674	ORL Exth J PR/C	14 2126	76 3.6+1	5.5+1	Robinson+ CURV. FROM N YLD. + N/REACTIO
		$^{63}\text{Cu}(^{18}\text{O}, \text{x})\text{n} \sigma(\text{E})$			
11675	ORL Exth J PR/C	14 2126	76 3.6+1	5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
		$^{65}\text{Cu}(^{18}\text{O}, \text{x})\text{n} \sigma(\text{E})$			
11676	ORL Exth J PR/C	14 - 2126	76 3.6+1	5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
		$^{64}\text{Zn}(^{18}\text{O}, \text{x})\text{n} \sigma(\text{E})$			
11677	ORL Exth J PR/C	14 2126	76 3.6+1	5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
		$^{66}\text{Zn}(^{18}\text{O}, \text{x})\text{n} \sigma(\text{E})$			
11678	ORL Exth J PR/C	14 2126	76 3.6+1	5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
		$^{67}\text{Zn}(^{18}\text{O}, \text{x})\text{n} \sigma(\text{E})$			
11679	ORL Exth J PR/C	14 2126	76 3.6+1	5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
		$^{68}\text{Zn}(^{18}\text{O}, \text{x})\text{n} \sigma(\text{E})$			
11680	ORL Exth J PR/C	14 2126	76 3.6+1	5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
		$^{70}\text{Zn}(^{18}\text{O}, \text{x})\text{n} \sigma(\text{E})$			
11681	ORL Exth J PR/C	14 2126	76 3.6+1	5.5+1	Robinson+ CURV. GRAPHITE SPHERE.
		$^{120}\text{Sn}(^{18}\text{O}, \text{absorption}) \sigma(\text{E})$			
11682	MUJ Expt J ZP/A	278 241	76 7.2+1		Spieler+ 980MB CALC. FROM OPTICAL MODEL
		$^{120}\text{Sn}(^{18}\text{O}, \text{inelastic})^{18}\text{O} \text{ partial } \sigma(\text{E})$			
11683	MUJ Expt J ZP/A	278 241	76 7.2+1		Spieler+ 51MB TO O-18(2+)
		$^{120}\text{Sn}(^{18}\text{O}, ^{18}\text{F})^{119}\text{In} \sigma(\text{E})$			
11684	MUJ Expt J ZP/A	278 241	76 7.2+1		Spieler+ (0.6+-0.23)MB
		$^{120}\text{Sn}(^{18}\text{O}, ^{20}\text{O})^{118}\text{Sn} \sigma(\text{E})$			
11685	MUJ Expt J ZP/A	278 241	76 7.2+1		Spieler+ (2.0+-0.4)MB
		$^{120}\text{Sn}(^{18}\text{O}, ^{18}\text{O})^{119}\text{Sn} \sigma(\text{E})$			
11686	MUJ Expt J ZP/A	278 241	76 7.2+1		Spieler+ (11+-2.4)MB
		$^{120}\text{Sn}(^{18}\text{O}, \text{inelastic})^{120}\text{Sn} \text{ partial } \sigma(\text{E})$			
11687	MUJ Expt J ZP/A	278 241	76 7.2+1		Spieler+ 117MB TO SN-120(2+)
		$^{120}\text{Sn}(^{18}\text{O}, ^{17}\text{O})^{121}\text{Sn} \sigma(\text{E})$			
11688	MUJ Expt J ZP/A	278 241	76 7.2+1		Spieler+ (30+-7)MB
		$^{120}\text{Sn}(^{18}\text{O}, ^{18}\text{O})^{122}\text{Sn} \sigma(\text{E})$			
11689	MUJ Expt J ZP/A	278 241	76 7.2+1		Spieler+ (20+-4)MB
		$^{120}\text{Sn}(^{18}\text{O}, ^{17}\text{N})^{121}\text{Sb} \sigma(\text{E})$			
11690	MUJ Expt J ZP/A	278 241	76 7.2+1		Spieler+ (4.5+-1.0)MB
		$^{120}\text{Sn}(^{18}\text{O}, ^{16}\text{N})^{122}\text{Sb} \sigma(\text{E})$			
11691	MUJ Expt J ZP/A	278 241	76 7.2+1		Spieler+ (1.7+-0.5)MB
		$^{120}\text{Sn}(^{18}\text{O}, ^{15}\text{N})^{123}\text{Sb} \sigma(\text{E})$			
11692	MUJ Expt J ZP/A	278 241	76 7.2+1		Spieler+ (9.3+-2.1)MB
		$^{120}\text{Sn}(^{18}\text{O}, ^{16}\text{C})^{122}\text{Te} \sigma(\text{E})$			
11693	MUJ Expt J ZP/A	278 241	76 7.2+1		Spieler+ (0.4+-0.13)MB
		$^{120}\text{Sn}(^{18}\text{O}, ^{15}\text{C})^{123}\text{Te} \sigma(\text{E})$			
11694	MUJ Expt J ZP/A	278 241	76 7.2+1		Spieler+ (1.3+-0.3)MB
		$^{120}\text{Sn}(^{18}\text{O}, ^{14}\text{C})^{124}\text{Te} \sigma(\text{E})$			
11695	MUJ Expt J ZP/A	278 241	76 7.2+1		Spieler+ (27+-7)MB
		$^{120}\text{Sn}(^{18}\text{O}, ^{13}\text{C})^{125}\text{Te} \sigma(\text{E})$			
11696	MUJ Expt J ZP/A	278 241	76 7.2+1		Spieler+ (7.1+-2.1)MB
		$^{120}\text{Sn}(^{18}\text{O}, ^{12}\text{C})^{126}\text{Te} \sigma(\text{E})$			
11697	MUJ Expt J ZP/A	278 241	76 7.2+1		Spieler+ (2.3+-0.7)MB

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		¹⁴⁶ Nd(^{180,4n}) ¹⁸⁰ Er average ν_γ			
11698	JUL Revv J NIM	146 161 077 NDG			Schulit+ NDG. PRL 33, 596(1974)
		¹⁴⁸ Nd(^{180,x}) partial $\sigma(E)$			
11699	NBI Expt P ORNL-5137	53 576 7.2+1			Oeschler+ NDG. TRANS REAC.=20% TOT SIG
		¹⁴⁸ Nd(^{180,x}) compound-nucleus $\sigma(E)$			
11700	NBI Exth J NP/A	295 163 178 6.9+1 7.8+1			Andersen+CURV.FUS SIG(SUM OF RES. DET)
		¹⁴⁸ Nd(^{180,x}) partial compound-nucleus $\sigma(E)$			
11701	NBI Exth J NP/A	295 163 178 7.1+1 7.9+1			Andersen+CURV.FUS SIG AS FUNCTION OF L
		¹⁴⁸ Nd(^{180,5n}) ¹⁸¹ Er compound-nucleus $\sigma(E)$			
11702	NBI Exth J NP/A	295 163 178 6.9+1 7.8+1			Andersen+ TBL. CURV. G-RAY TECH.
		¹⁴⁸ Nd(^{180,5n}) ¹⁸¹ Er partial ν_γ			
11703	NBI Exth J NP/A	295 163 178 6.9+1 7.8+1			Andersen+CURV.G-MULT. AS FUNCTION OF J.
		¹⁴⁸ Nd(^{180,5n}) ¹⁸¹ Er partial compound-nucleus $\sigma(E)$			
11704	NBI Exth J NP/A	295 163 178 7.9+1			Andersen+ CURV. FUNCTION OF L
		¹⁴⁸ Nd(^{180,4n}) ¹⁸² Er average ν_γ			
11705	JUL Revv J NIM	146 161 077 NDG			Schulit+ NDG. PRL 33, 596(1974)
		¹⁴⁸ Nd(^{180,4n}) ¹⁸² Er compound-nucleus $\sigma(E)$			
11706	NBI Exth J NP/A	295 163 178 6.9+1 7.8+1			Andersen+ TBL. CURV. G-RAY TECH.
		¹⁴⁸ Nd(^{180,4n}) ¹⁸² Er partial ν_γ			
11707	NBI Exth J NP/A	295 163 178 6.9+1 7.8+1			Andersen+CURV.G-MULT. AS FUNCTION OF J.
11708	JUL Theo J NP/A	307 349 978 7.0+1 7.7+1			Wakai+ CURV. G-MULT. VS. L. CFD EXP.
		¹⁴⁸ Nd(^{180,4n}) ¹⁸² Er partial compound-nucleus $\sigma(E)$			
11709	NBI Exth J NP/A	295 163 178 7.1+1 7.9+1			Andersen+ CURV. FUNCTION OF L
	Exth J NP/A	295 163 178 7.1+1 7.9+1			Andersen+ CURV. SIDE-BAND FEEDING.
		¹⁴⁸ Nd(^{180,x})mass distribution $\sigma(E)$			
11710	NBI Expt J NP/A	266 262 76 7.2+1			Oeschler+ CURV. A=144-154. INT. ANG DIS
		¹⁵⁰ Nd(^{180,4n}) ¹⁸⁴ Er average ν_γ			
11711	JUL Revv J NIM	146 161 077 NDG			Schulit+ NDG. PRL 33, 596(1974)
		¹⁵⁰ Gd(^{180,4n}) ¹⁷⁰ Hf average ν_γ			
11712	JUL Revv J NIM	146 161 077 NDG			Schulit+ NDG. PRL 33, 596(1974)
		¹⁵⁰ Gd(^{180,4n}) ¹⁷² Hf average ν_γ			
11713	JUL Revv J NIM	146 161 077 NDG			Schulit+ NDG. PRL 33, 596(1974)
		¹⁸¹ Ta(^{180,7n}) ¹⁸² Tl product yield			
11714	CNE Expt J PR/C	21 933 380 1.0+2 1.2+2			Kreiner+ NDG. PEAK AT 120 MEV.
		¹⁸¹ Ta(^{180,5n}) ¹⁸⁴ Tl partial relative $\sigma(E)$			
11715	MUN Expt J PR/C	20 2205 079 9.5+1			Kreiner+ TBL. 18 GS. ALSO A2,A4.
		¹⁸¹ Ta(^{180,x})isotopic distribution partial relative $\sigma(E)$			
11716	MUN Expt J PR/C	20 2205 079 8.0+1 1.0+2			Kreiner+ CURV. STRONGEST GS. GE(L1)
		²⁰⁸ Pb(^{180,fission})mass distribution prompt $\sigma(E)$			
11717	MAN Expt P UKNDC-P-88	94 678 NDG			Cunningham+ NDG. WORK IN PROGRESS.
		²⁰⁹ Bi(^{180,180}) ²¹¹ Bi $\sigma(E)$			
11718	MUN Expt W ANNUAL RPT	85 75 8.3+1			Mc-Grath+ TBL. JP1=25/2- T1/2=0.7-700H.
		²⁴⁴ Cm(^{180,2n}) ²⁶⁰ Ku including metastable? product yield			
11719	DUB Expt J YF	24 254 876 9.4+1			Druin+ NO T1/2=(80+-20)MS ACTIVITY.
	Expt J SNP	24 131 77 9.4+1			.TRANSLATION OF YF 24,2,254(76).
		²⁴⁸ Cm(^{180,4n}) ²⁶⁰ Ku including metastable? relative product yield			
11720	DUB Expt J YF	24 254 876 8.5+1 1.1+2			Druin+ T1/2=(80+-20)MS. CURV.
	Expt R JINR-9546	276 8.6+1 1.0+2			Druin+
	Expt J SNP	24 131 77 8.5+1 1.1+2			.TRANSLATION OF YF 24,2,254(76).
	Expt 4 EXFORA0005.002	478 8.6+1 1.0+2			. 3 DATA POINTS. ARB. UNITS.

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min}	E _{max}	Author, Comments
		Type		(MeV)	(MeV)	
$^{246}\text{Ca}(^{18}\text{O},4n)^{260}\text{Ku}$ including metastable? product yield						
11721	DUB	Expt J YF	24	254	876 9.4+1	Druin+ APP. 1.5E-33CM ² . T _{1/2} =(80+-20)MS
		Expt J SNP	24	131	77 9.4+1	.TRANSLATION OF YF 24,2,254(76).
		Expt 4 EXFORA0005.004	478	9.5+1		. 1 ENTRY.
$^{248}\text{Ca}(^{18}\text{O},3n+\alpha)^{259}\text{No}$ cumulative relative $\sigma(E)$						
11722	KFK	Comp B PH-DAT	15	1	079 8.0+1	1.1+2 Muenzel+ TBL. FROM EXFOR.
11723	ORL	Expt J NP/A	216	97	73 8.0+1	1.1+2 Silva+ CURV. MEASURED ALPHAS. T _{1/2} =58M
		Expt 4 EXFORB0004.002	076	8.0+1	1.1+2	. 5 POINTS. PEAK SIGMA=20NB AT 93MEV.
$^{248}\text{Ca}(^{18}\text{O},6n)^{260}\text{Ku}$ including metastable? product yield						
11724	DUB	Expt J YF	24	254	876 9.4+1	Druin+ NO T _{1/2} =(80+-20)MS ACTIVITY
		Expt R JINR-9546		276	9.4+1	Druin+
		Expt J SNP	24	131	77 9.4+1	.TRANSLATION OF YF 24,2,254(76).
		Expt 4 EXFORA0005.003	478	9.4+1		. APPRX. .0001MICROB. UPPER LIMIT
$^{248}\text{Ca}(^{18}\text{O},5n)^{261}\text{Ku}$ product yield						
11725	BRK	Rev J ARN	27	139	77 NDG	Keller+1ATOM/4 EXPERIMENTS.CHEM TECH.
$^{248}\text{Ca}(^{18}\text{O},5n)^{261}\text{Ku}$ relative $\sigma(E)$						
11726	KFK	Comp B PH-DAT	15	1	079 8.9+1	1.1+2 Muenzel+ TBL. FROM EXFOR.
11727	ORL	Expt J NP/A	216	97	73 8.9+1	1.1+2 Silva+ CURV. MEASURED ALPHAS.
		Expt 4 EXFORB0004.003	076	8.9+1	1.1+2	. 4 DATA POINTS.
$^{249}\text{Bk}(^{18}\text{O},x)^{256}\text{Fm}$ product yield						
11728	ORL	Expt J PRL	39	1246	N77 NDG	Bemis+NDG. CONT. IN 262(105) PRODUCTION
$^{249}\text{Bk}(^{18}\text{O},5n)^{262}\text{105}$ product yield						
11729	ORL	Expt J PRL	39	1246	N77 NDG	Bemis+ NDG. STUDIED SPONT. FISS.
$^{249}\text{Bk}(^{18}\text{O},5n)^{262}\text{105}$ $\sigma(E)$						
11730	BRK	Rev J ARN	27	139	77 9.8+1	Keller+9ATOMS/HR.T _{1/2} APP 405.CHEM TECH
$^{249}\text{Bk}(^{18}\text{O},x)$ isotopic distribution $\sigma(E)$						
11731	DUB	Expt J YF	29	1149	579 8.1+1	1.1+2 Druin+ CURV. CFD THEORY. X=3-6.
		Expt J SNP	29	591	579 8.1+1	1.1+2 . TRANSLATION OF YF 29, 1149.
$^{249}\text{Cf}(^{18}\text{O},4n)^{263}\text{106}$ product yield						
11732	BRK	Rev J ARN	27	139	77 9.5+1	Keller+NDG.T _{1/2} =(0.9+-0.2)SEC.CHEM TECH
$^{249}\text{Cf}(^{18}\text{O},x)$ isotopic distribution $\sigma(E)$						
11733	DUB	Expt J YF	29	1149	579 8.1+1	1.1+2 Druin+ CURV. CFD THEORY. X=3-5
		Expt J SNP	29	591	579 8.1+1	1.1+2 . TRANSLATION OF YF 29, 1149.
systematics($^{18}\text{O},^{14}\text{C}$) partial $\sigma(E)$						
11734	ANL	Expt P ANL-78-66	50	378	+	Henning+ NDG. QUASI-ELASTIC
systematics($^{18}\text{O},^{14}\text{C}$) direct-interaction $\sigma(E)$						
11735	ANL	Expt P ANL-78-66	50	478	NDG	Henning+ NDG. DIRECT TRANSFER.
$^{6}\text{Li}(^{19}\text{F},^{7}\text{Be})^{10}\text{O}$ $\sigma(E)$						
11736	BRK	Expt A DA/B	39	938	878 3.0+0	1.5+1 Wong. NDG. L16-F.
$^{9}\text{Be}(^{19}\text{F},^{9}\text{Be})^{20}\text{F}$ $\sigma(E)$ x factor						
11737	CAL	Exth J NP/A	289	236	077 7.0+0	1.6+1 Swilkowski+ CURV. S-FACTOR.
$^{12}\text{C}(^{19}\text{F},x)$ compound-nucleus $\sigma(E)$						
11738	BZL	Theo J PR/C	18	2152	N78 2.8+1	9.0+1 Vaz+ CURV. SYS. SEMIEMP. ANALYS. OF FUS
11739	ANL	Expt J PR/C	20	1305	079 3.0+1	7.0+1 Kovar+ TBL. CURV. FUSION. CFD OTHERS.
11740	MBG	Exth J NP/A	292	288	N77 9.2+1	Kohlmeier+TBL.CURV.MASS.NORM.TO OMSIG.
		Expt J NP/A	244	329	75 5.0+1	7.6+1 Puhlhofer+ TBL. CURV. SUM OF EVAP. RES.
$^{12}\text{C}(^{19}\text{F},x)$ direct-interaction $\sigma(E)$						
11741	MBG	Exth J NP/A	292	288	N77 9.2+1	Kohlmeier+TBL.CURV.MASS.NORM.TO OMSIG.
		Expt J NP/A	244	329	75 5.0+1	7.6+1 Puhlhofer+ TBL. CURV. SUM OF EVAP. RES.
$^{12}\text{C}(^{19}\text{F},x)$ compound-nucleus $\sigma(E)$ x factor						
11742	MBG	Exth J NP/A	292	288	N77 5.0+1	9.2+1 Kohlmeier+ CURV. 1/FCT = REAC. SIG.
$^{12}\text{C}(^{19}\text{F},x)$ direct-interaction $\sigma(E)$ x factor						
11743	MBG	Exth J NP/A	292	288	N77 5.0+1	9.2+1 Kohlmeier+ CURV. 1/FCT = REAC. SIG.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
	$^{12}\text{C}(^{18}\text{F}, \text{absorption}) \quad \sigma(\text{E})$				
11744	MBG Exth J NP/A 292	288 N77 9.2+1			Kohlmeier+ 1380MB. OPT. MODEL CALC..
	Expt J NP/A 244	329 75 5.0+1	7.6+1		Puhlhofer+ TBL. CURV. EXP CFD. THEORY.
	$^{12}\text{C}(^{18}\text{F}, x)^{70}\text{Ge} \quad \text{thick target yield}$				
11745	FSU Exth A 74NASH	1 42 674 2.5+1	7.5+1		Zeller+ NDG. COMP. TO EVAP. THEORY
	$^{12}\text{C}(^{18}\text{F}, x)^{22}\text{Ne} \quad \text{thick target yield}$				
11746	FSU Exth A 74NASH	1 42 674 2.5+1	7.5+1		Zeller+ NDG. COMP. TO EVAP. THEORY
	$^{12}\text{C}(^{18}\text{F}, x)^{22}\text{Ne} \quad \sigma(\text{E})$				
11747	STR Exth C 76ANL-2	2 833 476 7.0+1			Wagner+ CURV. MEASURED.
	Exth C 76ANL-2	2 833 476 7.0+1			Wagner+ CURV. GROG1 CALCULATION.
	$^{12}\text{C}(^{18}\text{F}, x)^{23}\text{Ne} \quad \sigma(\text{E})$				
11748	STR Exth C 76ANL-2	2 833 476 5.0+1	7.0+1		Wagner+ CURV. MEASURED
	Exth C 76ANL-2	2 833 476 3.5+1	7.0+1		Wagner+ CURV. GROG1 CALCULATION
	$^{12}\text{C}(^{18}\text{F}, x)^{24}\text{Ne} \quad \text{thick target yield}$				
11749	FSU Exth A 74NASH	1 42 674 2.5+1	7.5+1		Zeller+ NDG. COMP. TO EVAP. THEORY
	$^{12}\text{C}(^{18}\text{F}, x)^{25}\text{Mg} \quad \sigma(\text{E})$				
11750	STR Exth C 76ANL-2	2 833 476 5.0+1	7.0+1		Wagner+ CURV. MEASURED.
	Exth C 76ANL-2	2 833 476 5.0+1	7.0+1		Wagner+ CURV. GROG1 CALCULATION.
	$^{12}\text{C}(^{18}\text{F}, x)^{26}\text{Mg} \quad \sigma(\text{E})$				
11751	STR Exth C 76ANL-2	2 833 476 5.0+1	7.0+1		Wagner+ CURV. MEASURED.
	Exth C 76ANL-2	2 833 476 3.5+1	7.0+1		Wagner+ CURV. GROG1 CALCULATION
	$^{12}\text{C}(^{18}\text{F}, x)^{27}\text{Mg} \quad \text{thick target yield}$				
11752	FSU Exth A 74NASH	1 42 674 2.5+1	7.5+1		Zeller+ NDG. COMP. TO EVAP. THEORY
	$^{12}\text{C}(^{18}\text{F}, x)^{28}\text{Mg} \quad \text{thick target yield}$				
11753	FSU Exth A 74NASH	1 42 674 2.5+1	7.5+1		Zeller+ NDG. COMP. TO EVAP. THEORY
	$^{12}\text{C}(^{18}\text{F}, x)^{29}\text{Al} \quad \sigma(\text{E})$				
11754	STR Exth C 76ANL-2	2 833 476 7.0+1			Wagner+ CURV. GROG1 CALCULATION.
	$^{12}\text{C}(^{18}\text{F}, x)^{29}\text{Al} \quad \sigma(\text{E})$				
11755	STR Exth C 76ANL-2	2 833 476 5.0+1	7.0+1		Wagner+ CURV. MEASURED.
	Exth C 76ANL-2	2 833 476 3.5+1	7.0+1		Wagner+ CURV. GROG1 CALCULATION.
	$^{12}\text{C}(^{18}\text{F}, x)^{27}\text{Al} \quad \sigma(\text{E})$				
11756	STR Exth C 76ANL-2	2 833 476 5.0+1	7.0+1		Wagner+ CURV. MEASURED.
	Exth C 76ANL-2	2 833 476 3.5+1	7.0+1		Wagner+ CURV. GROG1 CALCULATION.
	$^{12}\text{C}(^{18}\text{F}, x)^{29}\text{Al} \quad \text{thick target yield}$				
11757	FSU Exth A 74NASH	1 42 674 2.5+1	7.5+1		Zeller+ NDG. COMP. TO EVAP. THEORY
	$^{12}\text{C}(^{18}\text{F}, x)^{29}\text{Al} \quad \sigma(\text{E})$				
11758	STR Exth C 76ANL-2	2 833 476 5.0+1	7.0+1		Wagner+ CURV. GROG1 CALCULATION.
	$^{12}\text{C}(^{18}\text{F}, x)^{29}\text{Al} \quad \text{thick target yield}$				
11759	FSU Exth A 74NASH	1 42 674 2.5+1	7.5+1		Zeller+ NDG. COMP. TO EVAP. THEORY
	$^{12}\text{C}(^{18}\text{F}, x)^{29}\text{Al} \quad \sigma(\text{E})$				
11760	STR Exth C 76ANL-2	2 833 476 5.0+1	7.0+1		Wagner+ CURV. MEASURED.
	Exth C 76ANL-2	2 833 476 3.5+1	7.0+1		Wagner+ CURV. GROG1 CALCULATION.
	$^{12}\text{C}(^{18}\text{F}, x)^{29}\text{Si} \quad \sigma(\text{E})$				
11761	STR Exth C 76ANL-2	2 833 476 5.0+1	7.0+1		Wagner+ CURV. MEASURED.
	Exth C 76ANL-2	2 833 476 3.5+1	7.0+1		Wagner+ CURV. GROG1 CALCULATION.
	$^{12}\text{C}(^{18}\text{F}, x)^{29}\text{Si} \quad \sigma(\text{E})$				
11762	STR Exth C 76ANL-2	2 833 476 5.0+1	7.0+1		Wagner+ CURV. MEASURED.
	Exth C 76ANL-2	2 833 476 3.5+1	7.0+1		Wagner+ CURV. GROG1 CALCULATION.
	$^{12}\text{C}(^{18}\text{F}, 2n)^{28}\text{P} \quad \sigma(\text{E})$				
11763	STR Exth C 76ANL-2	2 833 476 5.0+1			Wagner+ CURV. MEASURED.
	Exth C 76ANL-2	2 833 476 3.5+1	7.0+1		Wagner+ CURV. GROG1 CALCULATION.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{12}\text{C}(^{19}\text{F},\text{x})^{31}\text{P}$ compound-nucleus $\sigma(\text{E})$			
11764	THD Theo J NP/A	280 267 477	5.0+1	7.6+1	Puhofer. TBL.
		$^{12}\text{C}(^{19}\text{F},\text{x})$ mass distribution $\sigma(\text{E})$			
11765	STR Exth C 76ANL-2	2 833 476	5.0+1	7.0+1	Wagner+ CURV. MEASURED A=21,22,24.
11766	THD Theo J NP/A	280 267 477	5.0+1	7.6+1	Puhofer. CURV. EVAP. RES. A=19-30.
		$^{12}\text{C}(^{19}\text{F},\text{x})$ mass distribution compound-nucleus $\sigma(\text{E})$			
11767	MBG Expt J NP/A	244 329 75	5.0+1	7.6+1	Puhofer+ TBL. CURV. INT. DA/DE EVAP.
11768	MBG Exth J NP/A	292 288 N77	9.2+1		Kohlmeier+TBL. INT DA/DE NORM TO OM SIG.
		$^{12}\text{C}(^{19}\text{F},\text{x})$ mass distribution direct-interaction $\sigma(\text{E})$			
11769	MBG Expt J NP/A	244 329 75	5.0+1	7.6+1	Puhofer+ TBL. CURV. INT. DA/DE EVAP.
11770	MBG Exth J NP/A	292 288 N77	9.2+1		Kohlmeier+ TBL. INT DA/DE NORM TO OM SIG
		$^{12}\text{C}(^{19}\text{F},\text{x})$ mass distribution $\sigma(\text{E}) \times \text{factor}$			
11771	MBG Exth J NP/A	292 288 N77	5.0+1	9.2+1	Kohlmeier+ CURV. 1/FCT = REAC. SIG.
		$^{12}\text{C}(^{19}\text{F},\alpha+\text{x})$ mass distribution $\sigma(\text{E})$			
11772	MBG Exth J NP/A	292 288 N77	9.2+1		Kohlmeier+ CURV. ASSUMING 30% BREAKUP
		$^{13}\text{C}(^{19}\text{F},\text{x})^{7}\text{Be}$ thick target yield			
11773	FSU Exth A 74NASH	1 42 674	2.5+1	7.5+1	Zeller+ NDG. COMP. TO EVAP. THEORY
		$^{13}\text{C}(^{19}\text{F},\text{x})^{22}\text{Ne}$ thick target yield			
11774	FSU Exth A 74NASH	1 42 674	2.5+1	7.5+1	Zeller+ NDG. COMP. TO EVAP. THEORY
		$^{13}\text{C}(^{19}\text{F},\text{x})^{24}\text{Ne}$ thick target yield			
11775	FSU Exth A 74NASH	1 42 674	2.5+1	7.5+1	Zeller+ NDG. COMP. TO EVAP. THEORY
		$^{13}\text{C}(^{19}\text{F},\text{x})^{27}\text{Mg}$ thick target yield			
11776	FSU Exth A 74NASH	1 42 674	2.5+1	7.5+1	Zeller+ NDG. COMP. TO EVAP. THEORY
		$^{13}\text{C}(^{19}\text{F},\text{x})^{28}\text{Mg}$ thick target yield			
11777	FSU Exth A 74NASH	1 42 674	2.5+1	7.5+1	Zeller+ NDG. COMP. TO EVAP. THEORY
		$^{13}\text{C}(^{19}\text{F},\text{x})^{28}\text{Al}$ thick target yield			
11778	FSU Exth A 74NASH	1 42 674	2.5+1	7.5+1	Zeller+ NDG. COMP. TO EVAP. THEORY
		$^{13}\text{C}(^{19}\text{F},\text{x})^{29}\text{Al}$ thick target yield			
11779	FSU Exth A 74NASH	1 42 674	2.5+1	7.5+1	Zeller+ NDG. COMP. TO EVAP. THEORY
		$^{23}\text{Na}(^{19}\text{F},\text{x})$ compound-nucleus $\sigma(\text{E})$			
11780	CRC Theo J PRL Expt J NP/A	41 1529 N78 311 238 N78	4.2+1 4.3+1	1.4+2 1.1+2	Horn+ CURV. CN+ENTR. CHAN. PAR. CFD EXP Horn+ TBL. FUSION FROM EVAP. RESIDUES.
		$^{23}\text{Na}(^{19}\text{F},\text{x})$ charge distribution $\sigma(\text{E})$			
11781	CRC Expt A BAP	22 1021 977			NDG. Horn+ EVAP. RES.
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{37}\text{Cl}$ relative $\sigma(\text{E})$			
11782	BNL Expt J PR/C	13 1180 76	4.0+1		Poletti+ ASSUMED NO DIRECT FEEDING.
		$^{27}\text{Al}(^{19}\text{F},\text{p}+2\alpha)^{37}\text{Cl}$ relative I_{γ}			
11783	STR Expt J PR/C	18 2110 N78	4.5+1	8.0+1	Baumann+ CURV. 4 GS REL. TO 3103KEV G.
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{37}\text{Ar}$ relative $\sigma(\text{E})$			
11784	BNL Expt J PR/C	13 1180 76	4.0+1		Poletti+ ASSUMED NO DIRECT FEEDING.
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{38}\text{Ar}$ relative $\sigma(\text{E})$			
11785	BNL Expt J PR/C	13 1180 76	4.0+1		Poletti+ ASSUMED NO DIRECT FEEDING.
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{40}\text{Ar}$ relative $\sigma(\text{E})$			
11786	BNL Expt J PR/C	13 1180 76	4.0+1		Poletti+ ASSUMED NO DIRECT FEEDING.
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{40}\text{K}$ relative $\sigma(\text{E})$			
11787	BNL Expt J PR/C	13 1180 76	4.0+1		Poletti+ ASSUMED NO DIRECT FEEDING.
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{41}\text{K}$ relative $\sigma(\text{E})$			
11788	BNL Expt J PR/C	13 1180 76	4.0+1		Poletti+ ASSUMED NO DIRECT FEEDING.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		²⁷ Al(¹⁹ F,x) ⁴² K relative σ(E)			
11789	BNL Expt J PR/C	13 1180 76 4.0+1			Poletti+ ASSUMED NO DIRECT FEEDING.
		²⁷ Al(¹⁹ F,x) ⁴⁰ Ca relative σ(E)			
11790	BNL Expt J PR/C	13 1180 76 4.0+1			Poletti+ ASSUMED NO DIRECT FEEDING.
		²⁷ Al(¹⁹ F,x) ⁴¹ Ca relative σ(E)			
11791	BNL Expt J PR/C	13 1180 76 4.0+1			Poletti+ ASSUMED NO DIRECT FEEDING.
		²⁷ Al(¹⁹ F,x) ⁴² Ca relative σ(E)			
11792	BNL Expt J PR/C	13 1180 76 4.0+1			Poletti+ ASSUMED NO DIRECT FEEDING.
		²⁷ Al(¹⁹ F,x) ⁴³ Ca relative σ(E)			
11793	BNL Expt J PR/C	13 1180 76 4.0+1			Poletti+ ASSUMED NO DIRECT FEEDING.
		²⁷ Al(¹⁹ F,2p) ⁴⁴ Ca relative σ(E)			
11794	BNL Expt J PR/C	13 1180 76 4.0+1			Poletti+ ASSUMED NO DIRECT FEEDING.
		²⁷ Al(¹⁹ F,x) ⁴³ Sc relative σ(E)			
11795	BNL Expt J PR/C	13 1180 76 4.0+1			Poletti+ ASSUMED NO DIRECT FEEDING.
		²⁷ Al(¹⁹ F,x) ⁴⁴ Sc relative σ(E)			
11796	BNL Expt J PR/C	13 1180 76 4.0+1			Poletti+ ASSUMED NO DIRECT FEEDING.
		²⁷ Al(¹⁹ F,n+p) ⁴⁴ Sc σ(E)			
11797	TNL Expt A BAP	25 125 280 2.2+1 5.0+1			Wallner+ NDG. CFD. THEORY.
		²⁷ Al(¹⁹ F,n+p) ⁴⁴ Sc σ(E)			
11798	TNL Expt A BAP	25 125 280 2.2+1 5.0+1			Wallner+ NDG. CFD. THEORY.
		²⁷ Al(¹⁹ F,n+p) ⁴⁴ / ⁹ Sc ratio σ(E)			
11799	TNL Expt A BAP	25 125 280 2.2+1 5.0+1			Wallner+ NDG. CFD. THEORY. MONOTONIC.
		²⁷ Al(¹⁹ F,p) ⁴⁵ Sc relative σ(E)			
11800	BNL Expt J PR/C	13 1180 76 4.0+1			Poletti+ ASSUMED NO DIRECT FEEDING.
		²⁷ Al(¹⁹ F,2n) ⁴⁴ Ti relative σ(E)			
11801	BNL Expt J PR/C	13 1180 76 4.0+1			Poletti+ ASSUMED NO DIRECT FEEDING.
		²⁷ Al(¹⁹ F,x) ⁴⁶ Ti compound-nucleus σ(E)			
11802	THD Theo J NP/A	280 267 477 4.0+1 9.2+1			Puhlhofer. TBL.
		²⁷ Al(¹⁹ F,x)mass distribution σ(E)			
11803	ORL Revv C 77IENN	22 77 4.0+1 9.2+1			Stokstead. CURV. A=29-44. NP/A 280,329
11804	PAR Revv J APH	3 5 78 4.0+1 9.2+1			Lefort+ CURV. EVAP. RES. A=29-44.
11805	THD Theo J NP/A	280 267 477 4.0+1 9.2+1			Puhlhofer. CURV. EVAP. RES. A=29-44.
		²⁷ Al(¹⁹ F,x)isotopic distribution σ(E)			
11806	TNL Expt P A-TNL-79	99 79 5.2+1			Varghese+ NDG. STCKO-FOILS.IMPLANTATION
		⁵⁹ Co(¹⁹ F,n+p+a) ⁷² As relative σ(E)			
11807	TNL Exth A BAP	24 825 979 NDG			Wallner+ TBL FRM ALICE. ALSO EXPT.
		⁵⁹ Co(¹⁹ F,n+2p) ⁷⁵ Se relative σ(E)			
11808	TNL Exth A BAP	24 825 979 NDG			Wallner+ TBL FRM ALICE. ALSO EXPT.
		⁵⁹ Co(¹⁹ F,2n+p) ⁷⁵ Br relative σ(E)			
11809	TNL Exth A BAP	24 825 979 NDG			Wallner+ TBL FRM ALICE. ALSO EXPT.
		⁵⁹ Co(¹⁹ F,n+p) ⁷⁶ Br relative σ(E)			
11810	TNL Exth A BAP	24 825 979 NDG			Wallner+ TBL FRM ALICE. ALSO EXPT.
		⁵⁹ Co(¹⁹ F,x)isotopic distribution σ(E)			
11811	TNL Expt P A-TNL-79	99 79 5.2+1			Varghese+ NDG. STCKO-FOILS.IMPLANTATION
		¹⁵³ Eu(¹⁹ F,αx) ¹⁶⁴ Yb partial relative σ(E)			
11812	TAM Expt J PRL	41 92 778 1.1+2			Zolnowski+ TBL. EA=23-29MEV.8 TRANS.
	Expt J PRL	41 92 778 1.1+2			Zolnowski+ CURV. SIDE-FEEDING IN YRAsT
		¹⁶⁹ Tm(¹⁹ F,7n) ¹⁸¹ Pt product yield			
11813	YAL Expt J CJP	56 321 878 1.0+2 1.3+2			Ladenbauer-Bellis+ NDG.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		²⁰⁵ Tl(¹⁹ F,x) ²¹⁰ Po cumulative $\sigma(E)$			
11814	PAR Expt J PR/C	18 1298 978	1.8+2		Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
		²⁰⁵ Tl(¹⁹ F,x) ²¹¹ At $\sigma(E)$			
11815	PAR Expt J PR/C	18 1298 978	1.8+2		Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
		²⁰⁵ Tl(¹⁹ F,x) ²¹¹ Rn $\sigma(E)$			
11816	PAR Expt J PR/C	18 1298 978	1.8+2		Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
		²⁰⁵ Tl(¹⁹ F,x)mass distribution $\sigma(E)$			
11817	PAR Expt P IPNO-RC-77	10 77 1.8+2			Gardes+ TBL. A=210. RESIDUAL ACTIVITY.
		²⁰⁹ Bi(¹⁹ F, ²¹ Ne) ²⁰⁷ Tl partial $\sigma(E)$			
11818	PAR Theo J ZP/A	290 157 79 7.0+1	8.8+1		Bimbot+ CURV. SUBCOUL. TRANSFER CFD EXP
		²⁰⁹ Bi(¹⁹ F, ²⁰ Ne) ²⁰⁸ Pb partial $\sigma(E)$			
11819	PAR Theo J ZP/A	290 157 79 7.0+1	9.0+1		Bimbot+ CURV. SUBCOUL. TRANSFER CFD EXP
		²⁰⁹ Bi(¹⁹ F,x) ²¹⁰ Po cumulative $\sigma(E)$			
11820	PAR Expt J PR/C	18 1298 978	6.8+1	1.9+2	Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
		²⁰⁹ Bi(¹⁹ F,x) ²¹⁰ Po independent $\sigma(E)$			
11821	PAR Exth T D. GARDES	D76 6.8+1	1.1+2		Gardes. TBL. CURV. ACTIVATION.
		²⁰⁹ Bi(¹⁹ F,x) ²¹⁰ Po $\sigma(E)$			
11822	PAR Expt P IPNO-RC-77	10 77 9.4+1	1.9+2		Gardes+ CURV. RESIDUAL ACTIVITY.
		²⁰⁹ Bi(¹⁹ F,x) ²¹⁰ Po partial cumulative $\sigma(E)$			
11823	PAR Expt J PR/C	18 1298 978	6.8+1	1.9+2	Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
		²⁰⁹ Bi(¹⁹ F,x) ²⁰⁷ At $\sigma(E)$			
11824	PAR Expt J PR/C	18 1298 978	1.9+2		Gardes+ 10+-5MB. 2PI ION. CHMBRS(A + G)
		²⁰⁹ Bi(¹⁹ F,x) ²⁰⁹ At $\sigma(E)$			
11825	PAR Expt J PR/C	18 1298 978	1.9+2		Gardes+ 16+-2MB. 2PI ION. CHMBRS(A + G)
		²⁰⁹ Bi(¹⁹ F,x) ²⁰⁹ At $\sigma(E)$			
11826	PAR Expt J PR/C	18 1298 978	1.9+2		Gardes+ 45+-7MB. 2PI ION. CHMBRS(A + G)
		²⁰⁹ Bi(¹⁹ F,x) ²¹⁰ At $\sigma(E)$			
11827	PAR Expt J PR/C	18 1298 978	9.4+1	1.9+2	Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
		²⁰⁹ Bi(¹⁹ F,x) ²¹¹ At $\sigma(E)$			
11828	PAR Expt J PR/C	18 1298 978	6.8+1	1.9+2	Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
		²⁰⁹ Bi(¹⁹ F,x)mass distribution $\sigma(E)$			
11829	PAR Expt P IPNO-RC-77	10 77 6.8+1	1.9+2		Gardes+ TBL. A=210. RESIDUAL ACTIVITY.
		²³² Th(¹⁹ F, ¹⁵ N+fission) $\sigma(E)$ x factor			
11830	CBR Expt J PRL	42 153 179 8.5+1	9.5+1		Leigh+ TBL. CALC. TRANSFER FISSION PROB
		²³² Th(¹⁹ F, ¹⁷ N+fission) $\sigma(E)$ x factor			
11831	CBR Expt J PRL	42 153 179 8.5+1	9.5+1		Leigh+ TBL. CALC. TRANSFER FISSION PROB
		²³² Th(¹⁹ F, ¹⁸ O+fission) $\sigma(E)$ x factor			
11832	CBR Expt J PRL	42 153 179 8.5+1	9.5+1		Leigh+ TBL. CALC. TRANSFER FISSION PROB
		²³² Th(¹⁹ F, ²⁰ F+fission) $\sigma(E)$ x factor			
11833	CBR Expt J PRL	42 153 179 8.5+1	9.5+1		Leigh+ TBL. CALC. TRANSFER FISSION PROB
		²³² Th(¹⁹ F, ²¹ F+fission) $\sigma(E)$ x factor			
11834	CBR Expt J PRL	42 153 179 8.5+1	9.5+1		Leigh+ TBL. CALC. TRANSFER FISSION PROB
		¹² C(²⁰ Ne,x) compound-nucleus $\sigma(E)$			
11835	ORL Expt P ORNL-5498	31 679 NDG			Shapira+ TBL. MAX. FUSION SIGMA.
	Expt A BAP	24 570 479 5.4+1	8.4+1		Gomez-Del-Campo+ NDG. FUS.
		¹² C(²⁰ Ne,x) product yield			
11836	PAR Expt P ISN-79-01	45 79 6.0+1	1.6+2		Conjeaud+ NDG.
	Expt T F. ST.-LAURENT	78 6.0+1	1.6+2		TBP IN NUCL. PHYS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments	
		¹² C(²⁰ Ne,total)			σ(E)		
11837	GRE Expt J NP/A	327	517	979 6.7+1	1.6+2 Saint-Laurent+	TBL. SUM OF Z=5-15 PROD.	
		¹² C(²⁰ Ne,scattering) ¹² C			σ(E)		
11839	ORL Expt J PRL	43	1781	079 5.4+1	8.0+1 Shapira+	CURV. INTAD.	
	Expt J PRL	43	1781	079 7.5+1	Shapira+	54MB ASSUMING 1/SIN(THETA) DEP	
		¹² C(²⁰ Ne,x)charge distribution			σ(E)		
11839	GRE Expt J NP/A	327	517	979 6.7+1	1.6+2 Saint-Laurent+	TBL. Z=5-15. INTAD.	
		¹⁶ O(²⁰ Ne,x)			compound-nucleus	σ(E)	
11840	ORL Expt P ORNL-5498	31	679	NDG	Shapira+	TBL. MAX. FUSION SIGMA.	
		²⁰ Ne(²⁰ Ne,x)			compound-nucleus	σ(E)	
11841	ORL Expt P ORNL-5498	31	679	NDG	Shapira+	TBL. MAX. FUSION SIGMA.	
		²⁷ Al(²⁰ Ne,x)			compound-nucleus	σ(E)	
11842	GRE Expt P ISN-77-01	55	76	3.2+1	1.0+2 Daries-Blanc+	NDG.	
11843	DUB Theo J IZV	41	1650	77 4.0+1	2.1+2 Afanasev+	CURV. BOUNDARY COND. MODEL.	
	Theo J BAS	41	98	78 4.0+1	2.1+2	TRANSLATION OF IZV 41(8), 1650(1977)	
11844	PAR Revv J RPP	39	129	76 7.9+1	1.2+2 Lefort.	TBL. SUM OF EVAP. RES.	
	Revv C 74NASH	2	81	674 1.4+2	2.1+2 Lefort+	TBL. 74NASH,1.112(1974).	
		²⁷ Al(²⁰ Ne,x)			compound-nucleus	σ(E)=factor	
11845	NBI Revv C 73TRIST	1	295	973 2.0+2	Siemens.	TBL. L(CRIT) FRM LEFORT COMPI	
		²⁷ Al(²⁰ Ne,absorption)			σ(E)		
11846	DUB Theo J IZV	41	1650	77 4.0+1	2.1+2 Afanasev+	CURV. BOUNDARY COND. MODEL.	
	Theo J BAS	41	98	78 4.0+1	2.1+2	TRANSLATION OF IZV 41(8), 1650(1977)	
		⁴⁰ Ca(²⁰ Ne,x)			compound-nucleus	σ(E)	
11847	GRE Expt J PR/C	20	969	979 4.4+1	7.0+1 Van-Sen+	TBL. CURV. FRM EVAP. RES. CFD. CAL	
		⁴⁰ Ca(²⁰ Ne,total)			σ(E)		
11848	GRE Expt J PR/C	20	969	979 4.4+1	7.0+1 Van-Sen+	TBL. FRM OM FIT TO ELASTIC.	
		⁴⁰ Ca(²⁰ Ne,3n) ⁵⁷ Zn			σ(E)		
11849	BRK Revv S CERN-76-13	225	676	NDG	Cerny.	APP. 90 NANO.	
		⁴⁰ Ca(²⁰ Ne,3n) ⁵⁷ Zn			product yield		
11850	BRK Revv J ARN	27	333	77	NDG	Cerny+	TBL. PRODUCTION DELAYED-P PRECUR
		Ni(²⁰ Ne,x)charge distribution			σ(E)		
11851	ORL Revv R IAEA-241/SM		79	1.6+2	Plasil+	CURV. FROM PR/C 18, 764(1978).	
	Revv R CONF-790507	3	79	1.6+2	Plasil+	SAME AS IAEA-SM/241-D1	
		Cu(²⁰ Ne,x)charge distribution			σ(E)		
11852	MRY Expt A DA/B	38	3191	178 1.7+2	Mathews.	NDG.	
	Exth A DA/B	38	3191	178 1.7+2	Viola.	NDG. VARIETY OF FEATURES.	
		Zn(²⁰ Ne,x) ⁸² Y			I _γ		
11853	MOL Expt P INDC(SEC)-6222	077	NDG		Marol+	NDG. LOW STAT. G-RAYS OF SR82	
		⁷⁶ Ge(²⁰ Ne,x)isotopic distribution			product yield		
11854	ORL Expt P ORNL-5498	18	679	8.1+1	Lee+	NDG. SEARCH FOR NEW ISOMERS.	
		⁷⁸ Se(²⁰ Ne,x)isotopic distribution			product yield		
11855	ORL Expt P ORNL-5498	18	679	8.1+1	Lee+	NDG. SEARCH FOR NEW ISOMERS.	
		⁹² Mo(²⁰ Ne,x) ¹⁰³ Cd			partial σ(E)		
11856	PAR Expt C 77TOKYO	340	977	8.8+1	1.5+2 Albouy+	CURV.ON-LINE G-X TECH. .19MEV G	
		⁹² Mo(²⁰ Ne,x) ¹⁰⁴ Cd			partial σ(E)		
11857	PAR Expt C 77TOKYO	340	977	8.5+1	1.5+2 Albouy+	CURV.ON-LINE G-X TECH. .66MEV G	
		⁹² Mo(²⁰ Ne,x) ¹⁰⁵ Cd			partial σ(E)		
11858	PAR Expt C 77TOKYO	340	977	8.5+1	1.4+2 Albouy+	CURV.ON-LINE G-X TECH. .13MEV G	
		⁹² Mo(²⁰ Ne,x) ¹⁰⁷ Sn			partial σ(E)		
11859	PAR Expt C 77TOKYO	340	977	8.5+1	1.4+2 Albouy+	CURV.ON-LINE G-X TECH. 1.4MEV G	

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{92}\text{Mo}(^{20}\text{Ne},x)^{108}\text{Sn}$ partial $\sigma(E)$			
11860	PAR Expt C 77TOKYO	340 977 8.0+1	1.4+2	Albouy+ CURV.ON-LINE G-X TECH. 1.2MEV G	
		$^{92}\text{Mo}(^{20}\text{Ne},x)^{108}\text{Sn}$ partial $\sigma(E)$			
11861	PAR Expt C 77TOKYO	340 977 8.0+1	1.2+2	Albouy+ CURV.ON-LINE G-X TECH. 1.3MEV G	
		$^{92}\text{Mo}(^{20}\text{Ne},2p)^{110}\text{Sn}$ partial $\sigma(E)$			
11862	PAR Expt C 77TOKYO	340 977 8.8+1	1.0+2	Albouy+ CURV.ON-LINE G-X TECH. 1.2MEV G	
		$^{107}\text{Ag}(^{20}\text{Ne},x)$ compound-nucleus $\sigma(E)$			
11863	ORL Revv C 74NASH	2 107 674 1.0+2	1.7+2	Plasil. CURV.	
		$^{107}\text{Ag}(^{20}\text{Ne},\text{fission})$ $\sigma(E)$			
11864	ORL Revv C 74NASH	2 107 674 1.1+2	1.7+2	Plasil. CURV.	
11865	ORL Revv R IAEA-241/SM	79 1.7+2 2.0+2	Plasil+ CURV. EFF. OF LIQUID-DROP FRACT		
	Revv R CONF-790507	3 79 1.7+2 2.0+2	Plasil+ SAME AS IAEA-SM/241-D1		
		$^{107}\text{Ag}(^{20}\text{Ne},\text{fission})$ $\sigma(E)$ x factor			
11866	ORL Revv C 74NASH	2 107 674 1.1+2	1.7+2	Plasil. CURV. SIG(F)/SIG(N).	
		$^{107}\text{Ag}(^{20}\text{Ne},\text{absorption})$ $\sigma(E)$			
11867	ORL Revv C 74NASH	2 107 674 1.0+2	1.7+2	Plasil. CURV.	
		$^{133}\text{Cs}(^{20}\text{Ne},x)$ partial compound-nucleus $\sigma(E)$			
11868	PAR Revv J RPP	39 129 76 NDG		Lefort. CURV. FUNCT. OF L TRANSFER.	
		$^{133}\text{Cs}(^{20}\text{Ne},\text{fission})$ $\sigma(E)$			
11869	ORL Revv C 74NASH	2 107 674 6.8+1	1.2+2	Plasil. CURV.	
11870	ORL Revv R IAEA-241/SM	79 1.6+2 2.2+2	Plasil+ CURV. FUNCT. OF TB-153 EXCIT. E		
	Revv R CONF-790507	3 79 1.6+2 2.2+2	Plasil+ SAME AS IAEA-SM/241-D1		
		$^{133}\text{Cs}(^{20}\text{Ne},\text{fission})$ partial $\sigma(E)$			
11871	ORL Revv C 74NASH	2 107 674 8.6+1		Plasil. CURV. FUNCTION OF L-TRANSFER.	
		$^{133}\text{Cs}(^{20}\text{Ne},\text{absorption})$ partial $\sigma(E)$			
11872	ORL Revv C 74NASH	2 107 674 8.6+1		Plasil. CURV. FUNCTION OF L-TRANSFER.	
		$^{133}\text{Cs}(^{20}\text{Ne},\text{total})$ partial $\sigma(E)$			
11873	PAR Revv J RPP	39 129 76 NDG		Lefort. CURV. FUNCT. OF L TRANSFER.	
		$^{133}\text{Cs}(^{20}\text{Ne},x)$ isotopic distribution compound-nucleus $\sigma(E)$			
11874	ORL Expt A BAP	24 825 979 NDG		Ferguson+ NDG. DEDUCED FISS. BARRIER.	
		$^{144}\text{Nd}(^{20}\text{Ne},4n)^{160}\text{Yb}$ partial relative $\sigma(E)$			
11875	JCL Expt P A-JCL-78	74 79 1.0+2 1.5+2	Hashizume+ CURV. 4 LVLS OF G.S. BAND.		
		$^{150}\text{Nd}(^{20}\text{Ne},x)$ compound-nucleus $\sigma(E)$			
11876	ORL Exth P ORNL-5306	49 677 7.5+1	2.3+2	Halbert+ CURV. FUSION.	
	Exth P ORNL-5306	49 677 1.8+2		Halbert+ TBL. FUSION.	
11877	PAR Revv J JPRC	37 57 N76 1.4+2		Lefort. 1.55B. SUM OF EVAP. + FISS.	
	Revv J RPP	39 129 76 1.3+2		Lefort. TBL. SUM OF EVAP. RES. AND FISS	
	Revv C 74NASH	2 81 674 1.4+2		Lefort+ 1450MB. PRL 30,27(73).	
		$^{150}\text{Nd}(^{20}\text{Ne},x)$ $\sigma(E)$			
11878	PAR Revv J RPP	39 129 76 1.3+2		Lefort. TBL. SUM OF EVAP. RES.	
		$^{150}\text{Nd}(^{20}\text{Ne},x)$ partial $\sigma(E)$			
11879	PAR Revv J JPRC	37 57 N76 1.4+2		Lefort. EVAP. RES. = 1.450B.	
11880	ORL Exth P ORNL-5306	49 677 1.8+2		Halbert+ TBL. EVAP. RESIDUES.	
		$^{150}\text{Nd}(^{20}\text{Ne},\text{fission})$ $\sigma(E)$			
11881	PAR Revv J JPRC	37 57 N76 1.4+2		Lefort. 0.100B.	
	Revv J RPP	39 129 76 1.3+2		Lefort. TBL.	
11882	ORL Exth P ORNL-5306	49 677 1.8+2		Halbert+ TBL.	
		$^{150}\text{Nd}(^{20}\text{Ne},\text{absorption})$ $\sigma(E)$			
11883	ORL Exth P ORNL-5306	49 677 7.5+1	2.3+2	Halbert+ CURV.	
	Exth P ORNL-5306	49 677 1.8+2		Halbert+ TBL.	
		$^{150}\text{Nd}(^{20}\text{Ne},x)n$ ν			
11884	ANL Expt A BAP	22 630 477 6.7+1 9.8+1	Saranites+ NDG. MULTIPLICITY. E IN CN		

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		¹⁵⁰ Nd(²⁰ Ne,x)n partial σ(E)			
11885	ORL Exth P	ORNL-5306	49	677 1.8+2	Halberl+ TBL. FROM XN AND XN+ A.
		¹⁵⁰ Nd(²⁰ Ne,6n) ¹⁶⁴ Yb partial relative σ(E)			
11886	ORL Expt J	PR/C	17	601 278 9.4+1	Sarantites+ TBL. CURV. FOR 4 STATES.
		¹⁵⁰ Nd(²⁰ Ne,5n) ¹⁶⁹ Yb partial relative σ(E)			
11887	ORL Expt J	PR/C	17	601 278 9.4+1	Sarantites+ TBL. CURV. FOR 7 STATES.
		¹⁵⁰ Nd(²⁰ Ne,x)isotopic distribution partial σ(E)			
11888	ORL Expt J	PR/C	17	601 278 1.1+2	Sarantites+TBL.CURV.4N-8N,XN+A(X=4-6)
		¹⁵⁰ Nd(²⁰ Ne,x)isotopic distribution partial average v _y			
11889	ORL Expt J	PR/C	17	601 278 9.4+1 1.1+2	Sarantites+TBL.CURV.4N-8N, XN+A(X=4-6)
		¹⁵⁰ Nd(²⁰ Ne,x)isotopic distribution v _y			
11890	PAR Revv J	APH	3	5 78 1.5+2 2.3+2	Lefort+ CURV. 11 NUCLEI.
		¹⁵⁰ Nd(²⁰ Ne,xn)isotopic distribution σ(E)			
11891	ORL Revv C	77TENN	22	77 1.3+2 1.6+2	Stokstead. CURV. X=5-11. SARANTIES+
11892	PAR Revv J	APH	3	5 78 1.5+2 2.3+2	Lefort+ CURV. X=5-10.
		¹⁵⁰ Nd(²⁰ Ne,xn)isotopic distribution v _y			
11893	ORL Revv C	77TENN	22	77 1.3+2 1.6+2	Stokstead.CURV.X=5-11.G-MULT.SARANTIES+
11894	PAR Revv J	APH	3	5 78 1.5+2 2.3+2	Lefort+ CURV. X=5-10.
		¹⁵⁰ Nd(²⁰ Ne,xn)isotopic distribution compound-nucleus v _y			
11895	ORL Expt P	ORNL-5306	46	677 9.8+1 1.8+2	Sarantites+ CURV. X=2-9. MULTIPLICITIES.
		¹⁵² Sm(²⁰ Ne,α+x) ¹⁶⁴ Yb partial relative σ(E)			
11896	TAM Expt J	PRL	41	92 778 1.2+2	Zolnowski+ TBL. EA=23-27MEV.7 TRANS.
	Expt J	PRL	41	92 778 1.5+2	Zolnowski+ TBL. EA=24-31MEV.5 TRANS.
	Expt J	PRL	41	92 778 1.2+2 1.5+2	Zolnowski+ CURV. SIDE-FEEDING IN YRST
		¹⁵⁴ Sm(²⁰ Ne,x) compound-nucleus σ(E)			
11897	PAR Revv C	74NASH	2	81 674 1.3+2	Lefort+ 1262MB. PRL 30.27(73).
		¹⁸² Hr(²⁰ Ne,xn)isotopic distribution σ(E)			
11898	PAR Exth P	CEA-N-2026	158	977 NDG	Lagarde+ NDG. POSS. NEW ISOTOPES PO
		¹⁹⁷ Au(²⁰ Ne,x)mess distribution chain σ(E)			
11899	BRK Expt A	DA/B	39	740 878 NDG	Binder. NDG. FROM ISOTOPIC DIST.
		¹⁹⁷ Au(²⁰ Ne,x)isotopic distribution σ(E)			
11900	BRK Expt A	DA/B	39	740 878 NDG	Binder. NDG. RADIOCHEMISTRY
		²⁰⁹ Tl(²⁰ Ne,x) ²¹¹ At σ(E)			
11901	PAR Expt J	PR/C	18	1298 978 1.9+2	Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
		²⁰⁹ Tl(²⁰ Ne,x) ²¹¹ Rn σ(E)			
11902	PAR Expt J	PR/C	18	1298 978 1.9+2	Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
		²⁰⁹ Bi(²⁰ Ne,x) compound-nucleus σ(E)×factor			
11903	NBI Revv C	73TRIEST	1	295 973 2.1+2	Siemens. TBL. L(CRIT) FRM LEFORT COMPIL
		²⁰⁹ Bi(²⁰ Ne,fission) σ(E)			
11904	PAR Revv J	RPP	39	129 76 2.1+2	Lefort. TBL.
		²⁰⁹ Bi(²⁰ Ne,x) ²¹⁰ Po cumulative σ(E)			
11905	PAR Expt J	PR/C	18	1298 978 9.7+1 1.9+2	Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
		²⁰⁹ Bi(²⁰ Ne,x) ²⁰⁸ At σ(E)			
11906	PAR Expt J	PR/C	18	1298 978 2.0+2	Gardes+ 38+-10MB.2PI ION. CHMBRS(A + G)
		²⁰⁹ Bi(²⁰ Ne,x) ²⁰⁸ At σ(E)			
11907	PAR Expt J	PR/C	18	1298 978 2.0+2	Gardes+ 90+-3MB. 2PI ION. CHMBRS(A + G)
		²⁰⁹ Bi(²⁰ Ne,x) ²¹⁰ At σ(E)			
11908	PAR Expt J	PR/C	18	1298 978 2.0+2	Gardes+ 26+-2MB. 2PI ION. CHMBRS(A + G)

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		$^{209}\text{Bi}(^{20}\text{Ne},x)^{211}\text{At}$	$\sigma(E)$			
11909	PAR Expt J PR/C	18 1298 978 9.7+1	2.0+2	Gardes+	TBL. 2PI ION. CHMBRS FOR A + G	
		$^{209}\text{Bi}(^{20}\text{Ne},x)^{211}\text{Rn}$	$\sigma(E)$			
11910	PAR Expt J PR/C	18 1298 978 9.7+1	2.0+2	Gardes+	TBL. 2PI ION. CHMBRS FOR A + G	
		$^{209}\text{Bi}(^{20}\text{Ne},x)$ charge distribution	cumulative?	$\sigma(E)$		
11911	BRK Expt A BAP	23 46 178 1.2+2		Somerville+	NDG.T1/2APP1M.NP227 OR NP228	
		$^{209}\text{Bi}(^{20}\text{Ne},x)$ mass distribution	$\sigma(E)$			
11912	PAR Expt P IPNO-RC-77	10 77 9.7+1	1.9+2	Gardes+	TBL. A=210. RESIDUAL ACTIVITY.	
		$^{238}\text{U}(^{20}\text{Ne},x)$	compound-nucleus	$\sigma(E)$		
11913	PAR Revv J JPRC	37 57 N76 2.2+2		Lefort.	1.36B.	
	Revv J RPP	39 129 76 1.9+2		Lefort.	TBL. SUM OF EVAP. RES. AND FISS	
		$^{238}\text{U}(^{20}\text{Ne},\text{fission})$	$\sigma(E)$			
11914	PAR Revv J JPRC	37 57 N76 2.0+2		Lefort.	1.36B.	
	Revv J RPP	39 129 76 1.9+2		Lefort.	TBL.	
		$^{238}\text{U}(^{20}\text{Ne},x)$ charge distribution	product yield			
11915	BRK Theo A BAP	23 27 178 NDG		Morrissey+	NDG. ABRASION CONCEPT.	
		$^{238}\text{U}(^{20}\text{Ne},x)$ mass distribution	product yield			
11916	BRK Theo A BAP	23 27 178 NDG		Morrissey+	NDG. ABRASION CONCEPT.	
		$^{238}\text{U}(^{20}\text{Ne},\text{fission})$ mass distribution	$\sigma(E)$			
11917	DUB Revv C 74NASH	2 459 674 NDG		Flerov.	CURV. A=90-210.	
		$^{239}\text{Pu}(^{20}\text{Ne},x)^{244}\text{Cf}$	$\sigma(E)$			
11918	ORL Expt P ORNL-5306	45 677 NDG		Hahn+	MAX. SIGMA APP. 10 MICROBARN.	
	Expt P ORNL-5137	36 576 6.8+1 9.8+1		Hahn+	NDG. MAX SIGMA = 7-10 MICROBARN	
		$^{239}\text{Pu}(^{20}\text{Ne},x)^{244}\text{Cf}$	compound-nucleus	$\sigma(E)$		
11919	ORL Expt P ORNL-5297	94 77 NDG		Hahn+	NDG. MAX SIG APP. 10MICROB.	
		$^{239}\text{Pu}(^{20}\text{Ne},x)^{245}\text{Cf}$	$\sigma(E)$			
11920	ORL Expt P ORNL-5306	45 677 NDG		Hahn+	MAX. SIGMA APP. 10 MICROBARN.	
	Expt P ORNL-5137	36 576 6.8+1 9.8+1		Hahn+	NDG. MAX SIGMA = 7-10 MICROBARN	
		$^{239}\text{Pu}(^{20}\text{Ne},x)^{245}\text{Cf}$	compound-nucleus	$\sigma(E)$		
11921	ORL Expt P ORNL-5297	94 77 NDG		Hahn+	NDG. MAX SIG APP. 10MICROB.	
		systematics($^{20}\text{Ne},x)$	compound-nucleus	$\sigma(E)$		
11922	ANL Revv A BAP	23 98 178 NDG		Kovar.	NDG. REVIEWED ANL PROGRAM.	
		systematics($^{20}\text{Ne},x)$ charge distribution	$\sigma(E)$			
11923	BRK Theo A BAP	24 591 479 NDG		Mathews+	NDG. DIFFUSION MODEL.	
		$^{45}\text{Sc}(^{22}\text{Ne},x)$ charge distribution	$\sigma(E)$			
11924	LYO Theo J ZP/A 285	389 78 NDG		Billerey+	CURV. Z=2-12. CLASS.-STAT.	
	Theo R LYCEN-7780	N77 NDG		Billerey+	CURV. Z=2-12. CFD EXP.	
	Exth P ISN-77-01	58 76 8.4+1		Billerey+	CURV. Z=3-12 PRODUCTS.	
	Exth P LYCEN-7701	15 76 8.4+1		Billerey+	CURV. Z=3-12 PRODUCTS.	
		$^{50}\text{Cr}(^{22}\text{Ne},x)$ charge distribution	$\sigma(E)$			
11925	LYO Theo J ZP/A 285	389 78 NDG		Billerey+	CURV. Z=2-12. CLASS.-STAT.	
	Theo R LYCEN-7780	N77 NDG		Billerey+	CURV. Z=2-12. CFD EXP.	
		$^{159}\text{Tb}(^{22}\text{Ne},\text{fission})$	$\sigma(E)$ x factor			
11926	ORL Revv C 74NASH	2 107 674 6.0+1 1.0+2		Plagil.	CURV. G(F)/G(N). PR/B 135,669	
	Revv C 74NASH	2 107 674 6.0+1 1.0+2		Plagil.	CURV. SIG(F)/SIG(N).	
		$^{238}\text{U}(^{22}\text{Ne},\text{fission})$ isotopic distribution	cumulative fission yield			
11927	PAR Expt J PR/C	14 2185 76 1.3+2 1.6+2		Desaint-Simon+	CURV. RB+CS ON-LINE MS.	
		$^{242}\text{Pu}(^{22}\text{Ne},x)^{242}\text{Am}$	$\sigma(E)$			
11928	BRK Revv S CERN-76-13	549 676 1.1+2 1.2+2		Ghiorso.	CURV.	
		$^{242}\text{Pu}(^{22}\text{Ne},4n+\alpha)^{258}\text{No}$	$\sigma(E)$			
11929	BRK Revv S CERN-76-13	549 676 1.1+2 1.2+2		Ghiorso.	CURV.	

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{242}\text{Pu}(^{22}\text{Ne},4n)^{260}\text{Ku}$			$\sigma(E)$
11930	BRK Revw S	CERN-76-13 549 676	1.1+2	1.2+2	Ghiorso. CURV.
		$^{242}\text{Pu}(^{22}\text{Ne},x)\text{charge distribution}$			product yield
11931	BRK Revw J ARN	27 139 77	1.2+2		Keller+ LOW YLD. DUBNA WORK. CHEM TECH.
		$^{243}\text{Am}(^{22}\text{Ne},4n)^{261}\text{105}$			product yield
11932	BRK Revw J ARN	27 139 77	1.2+2		Keller+ NDG. DUBNA WORK. CHEM TECH.
		systematics($^{22}\text{Ne},x$)			$\sigma(E)$
11933	BUC Revw J APH	2 133 77	4.5+1	1.5+2	Poenaru+ TBL. HVY EL. FISS. ISO. PRD.
		systematics($^{22}\text{Ne},x$)			ratio $\sigma(E)$
11934	BUC Revw J APH	2 133 77	4.5+1	1.5+2	Poenaru+ TBL. RAT M/G FISS. PRD.
		systematics($^{22}\text{Ne},x)\text{charge distribution}$			$\sigma(E)$
11935	LYO Exth P	ISN-77-01 58 76	NDG		Billerey+ NDG. Z=2-12 PRODUCTS.
	Exth P	LYCEN-7701 15 76	NDG		Billerey+ NDG. Z=2-12 PRODUCTS.
		$^{12}\text{C}(^{24}\text{Mg},x)\gamma$			partial $\sigma(E)$
11936	STR Expt J PR/C	20 569 879	5.0+1	7.0+1	Freeman+ TBL. GAMMA YLOS.
		$^{12}\text{C}(^{24}\text{Mg},\text{inelastic})^{24}\text{Mg}$			partial $\sigma(E)$
11937	STR Expt J PR/C	20 569 879	5.0+1	7.0+1	Freeman+ TBL. GAMMA YLOS.
		$^{12}\text{C}(^{24}\text{Mg},x)^{28}\text{Si}$			partial $\sigma(E)$
11938	STR Expt J PR/C	20 569 879	5.0+1	7.0+1	Freeman+ TBL. GAMMA YLOS.
		$^{12}\text{C}(^{24}\text{Mg},x)^{31}\text{P}$			partial $\sigma(E)$
11939	STR Expt J PR/C	20 569 879	5.0+1	7.0+1	Freeman+ TBL. GAMMA YLOS.
		$^{12}\text{C}(^{24}\text{Mg},x)^{32}\text{S}$			partial $\sigma(E)$
11940	STR Expt J PR/C	20 569 879	5.0+1	7.0+1	Freeman+ TBL. GAMMA YLOS.
		$^{12}\text{C}(^{24}\text{Mg},x)^{33}\text{S}$			partial $\sigma(E)$
11941	STR Expt J PR/C	20 569 879	6.0+1	7.0+1	Freeman+ TBL. GAMMA YLOS.
		$^{12}\text{C}(^{24}\text{Mg},x)^{34}\text{S}$			partial cumulative $\sigma(E)$
11942	STR Expt J PR/C	20 569 879	5.0+1	7.0+1	Freeman+ TBL. GAMMA YLOS.
		$^{12}\text{C}(^{24}\text{Mg},2p)^{34}\text{S}$			partial $\sigma(E)$
11943	STR Expt J PR/C	20 569 879	5.0+1	7.0+1	Freeman+ TBL. GAMMA YLOS.
		$^{12}\text{C}(^{24}\text{Mg},x)^{34}\text{Cl}$			partial $\sigma(E)$
11944	STR Expt J PR/C	20 569 879	5.0+1	7.0+1	Freeman+ TBL. GAMMA YLOS.
		$^{24}\text{Mg}(^{24}\text{Mg},x)$			compound-nucleus $\sigma(E)$
11945	SAC Expt P	CEA-N-2070 41 978	5.7+1	8.4+1	Gary+ CURV. FUSION.
		$^{27}\text{Al}(^{24}\text{Mg},n+p+\alpha)^{45}\text{Ti}$			partial $\sigma(E)$
11946	PAD Expt J NP/A	299 479 578	5.0+1	7.1+1	Fortuna+ CURV. 8 GS. MUNICH VOGT.
		$^{32}\text{S}(^{24}\text{Mg},x)$			compound-nucleus $\sigma(E)$
11947	CRC Theo J PRL	41 1529 N78	4.0+1	1.0+2	Horn+ CURV. CN+ENTR. CHAN. PAR. CFD EXP
		$^{40}\text{Ca}(^{24}\text{Mg},3n)^{61}\text{Ge}$			$\sigma(E)$
11948	BRK Revw J ARN	27 333 77	NDG		Cerny+APP. 50MICROB.CERN-76-13.225(76)
	Revw S	CERN-76-13 225 676	NDG		Cerny. APP. 50 NANOB.
		$^{40}\text{Ca}(^{24}\text{Mg},3n)^{61}\text{Ge}$			product yield
11949	BRK Revw J ARN	27 333 77	NDG		Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
		$\text{Ni}(^{24}\text{Mg},x)^{80}\gamma$			$\sigma(E)$
11950	BNL Expt A BAP	24 826 979	9.5+1		Lister+ NDG. $T_{1/2}=(33.8\pm 0.6)\text{SEC}$
		$\text{Ni}(^{24}\text{Mg},x)\text{isotopic distribution}$			$\sigma(E)$
11951	BNL Expt A BAP	24 826 979	9.5+1		Lister+ NDG. A APP 80
	Expt A BAP	24 52 179	1.1+2	1.5+2	Lister+ NDG. SE79,RB77-79 STRONGLY PROD
		$^{12}\text{C}(^{28}\text{Si},\text{inelastic})^{12}\text{C}$			partial relative $\sigma(E)$
11952	ROC Expt J PRL	40 1008 478	5.8+1	1.1+2	Clover+CURV. INTAD(153-175 DEG). C12 2+

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{12}\text{C}(^{28}\text{Si},\text{elastic})^{12}\text{C}$	partial relative $\sigma(E)$			
11953 ROC Expt J PRL	40	1008 478	5.8+1 1.1+2	Clover+ CURV. INTAD(153-175 IN S128 SYS)
$^{12}\text{C}(^{28}\text{Si},\text{inelastic})^{28}\text{Si}$	partial relative $\sigma(E)$			
11954 ROC Expt J PRL	40	1008 478	5.8+1 1.1+2	Clover+CURV. INTAD(153-175 DEG). S128 4+
$^{16}\text{O}(^{28}\text{Si},x)\gamma$	partial $\sigma(E)$			
11955 STR Expt J PR/C	20	569 879	6.0+1 9.0+1	Freeman+ TBL. GAMMA YLDS.
$^{16}\text{O}(^{28}\text{Si},\text{inelastic})^{28}\text{Si}$	partial $\sigma(E)$			
11956 STR Expt J PR/C	20	569 879	6.0+1 9.0+1	Freeman+ TBL. GAMMA YLDS.
$^{16}\text{O}(^{28}\text{Si},x)^{36}\text{Ar}$	partial $\sigma(E)$			
11957 STR Expt J PR/C	20	569 879	6.0+1 9.0+1	Freeman+ TBL. GAMMA YLDS.
$^{16}\text{O}(^{28}\text{Si},x)^{38}\text{Ar}$	partial $\sigma(E)$			
11958 STR Expt J PR/C	20	569 879	6.0+1 9.0+1	Freeman+ TBL. GAMMA YLDS.
$^{16}\text{O}(^{28}\text{Si},x)^{38}\text{Ar}$	partial cumulative $\sigma(E)$			
11959 STR Expt J PR/C	20	569 879	6.0+1 9.0+1	Freeman+ TBL. GAMMA YLDS.
$^{16}\text{O}(^{28}\text{Si},x)^{39}\text{K}$	partial $\sigma(E)$			
11960 STR Expt J PR/C	20	569 879	6.0+1 9.0+1	Freeman+ TBL. GAMMA YLDS.
$^{16}\text{O}(^{28}\text{Si},x)^{41}\text{Ca}$	partial $\sigma(E)$			
11961 STR Expt J PR/C	20	569 879	6.0+1 9.0+1	Freeman+ TBL. GAMMA YLDS.
$^{16}\text{O}(^{28}\text{Si},x)^{42}\text{Ca}$	partial cumulative $\sigma(E)$			
11962 STR Expt J PR/C	20	569 879	6.0+1 9.0+1	Freeman+ TBL. GAMMA YLDS.
$^{16}\text{O}(^{28}\text{Si},2p)^{42}\text{Ca}$	partial $\sigma(E)$			
11963 STR Expt J PR/C	20	569 879	6.0+1 9.0+1	Freeman+ TBL. GAMMA YLDS.
$^{27}\text{Al}(^{28}\text{Si},x)$	compound-nucleus relative $\sigma(E)$			
11964 FSU Expt J PR/C	18	2584 078	5.6+1 7.5+1	Medsker+CURV. COMPLETE FUS FRM EVAP. RES
$^{27}\text{Al}(^{28}\text{Si},x)$	isotopic distribution relative $\sigma(E)$			
11965 FSU Expt J PR/C	18	2584 078	6.5+1 8.1+1	Medsker+ CURV. IN-BEAM. V49-MN52
Expt J PR/C	18	2584 078	7.2+1	Medsker+ TBL. V49-MN52. CFD ALICE CODE
Expt J PL/B	74	39 378	7.2+1	Medsker+TBL. MN52=100. IN-BEAM G.10NUCLEI
Expt J PL/B	74	39 378	7.2+1	Medsker+CURV. CFD ALICE. SUM(EXP)=SUM(ALI
$^{28}\text{Si}(^{28}\text{Si},x)$	partial $\sigma(E)$			
11966 PAR Expt W ANNUAL-RPT NII	78	7.0+1	1.0+2	Doubr+ NDG. EVAPORATION RESIDUES.
$^{28}\text{Si}(^{28}\text{Si},x)$	compound-nucleus $\sigma(E)$			
11967 CAL Theo A BAP	23	955 978	NDG	Koonin+ NDG. FILLING APPROXIMATION.
11968 SAC Theo J PR/C	20	641 879	7.0+1 2.2+2	Bonche+ CURV. TDHF. LOCAL SKYRME.
11969 YAL Expt A BAP	23	949 978	8.0+1 1.4+2	Dicenzo+ NDG. FUSION OSCILLATIONS.
$^{28}\text{Si}(^{28}\text{Si},x)\gamma$	$\sigma(E)$			
11970 FSU Expt J PR/C	19	790 379	6.5+1 9.0+1	Medsker+ CURV. 4 GAMMAS NOT PLACED.
$^{28}\text{Si}(^{28}\text{Si},x)$	isotopic distribution $\sigma(E)$			
11971 FSU Expt J PR/C	19	790 379	7.7+1	Medsker+ CURV. 10 PRODS. CFD ALICE
Expt J PR/C	19	790 379	6.5+1 9.0+1	Medsker+ CURV. 6 PRODS. IN-BEAM GS.
$^{56}\text{Fe}(^{28}\text{Si},x)$	isotopic distribution $\sigma(E)$			
11972 FSU Expt A BAP	24	825 979	8.9+1	Theisen+ NDG. FRM G-YLDS. CFD THEORY.
$^{56}\text{Fe}(^{28}\text{Si},x)$	isotopic distribution $\sigma(E)$			
11973 FSU Expt A BAP	24	825 979	8.9+1	Theisen+ NDG. FRM G-YLDS. CFD THEORY.
$\text{Ni}(^{28}\text{Si},x)^{80}\text{Y}$	$\sigma(E)$			
11974 BNL Expt A BAP	24	826 979	9.5+1	Lister+ NDG. T1/2=(33.8+-0.6)SEC
$\text{Ni}(^{28}\text{Si},x)$	isotopic distribution $\sigma(E)$			
11975 BNL Expt A BAP	24	826 979	9.5+1	Lister+ NDG. A APP 80
$^{16}\text{O}(^{32}\text{S},p+\alpha)^{43}\text{Sc}$	relative $\sigma(E)$			
11976 MUN Expt J ZP/A	277	117 76	6.5+1 8.5+1	Imazato. TBL. ARBITRARY UNITS = 1.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
		$^{160}(^{32}\text{S},n+3p)^{44}\text{Sc}$ relative $\sigma(E)$			
11977	MUN Expt J	ZP/A 277 117	76 6.5+1	8.5+1	Imazato. TBL. NORMALIZED TO 21-SC-43
		$^{160}(^{32}\text{S},n+2p)^{44}\text{Ti}$ relative $\sigma(E)$			
11978	MUN Expt J	ZP/A 277 117	76 6.5+1	8.5+1	Imazato. TBL. NORMALIZED TO 21-SC-43
		$^{160}(^{32}\text{S},x)^{48}\text{V}$ cumulative relative $\sigma(E)$			
11979	MUN Expt J	ZP/A 277 117	76 6.5+1	8.5+1	Imazato. TBL. NORMALIZED TO 21-SC-43
		$^{160}(^{32}\text{S},y)^{48}\text{Cr}$ relative $\sigma(E)$			
11980	MUN Expt J	ZP/A 277 117	76 6.5+1	8.5+1	Imazato. TBL. NORMALIZED TO 21-SC-43
		$^{24}\text{Mg}(^{32}\text{S},x)$ compound-nucleus $\sigma(E)$			
11981	ANL Expt P	ANL-79-40 43	79 NDG		Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
11982	PAR Rev J	RPP 39 129	76 2.8+1	3.7+1	Lefort. CURV. 1/E. NP/A 213, 267(1973)
11983	ROC Rev S	BNL-51115 235	779 6.9+1	4.7+2	Huizenga+ CURV. CFD EXPT AND MODEL
11984	CCP Theo J	IZV 40 2200	76 7.0+1	1.2+2	Vershinin+ TBL. ALSO CRITICAL L.
	Theo J	BAS 40 150	76 7.0+1	1.2+2	. TRANSLATION OF IZV 40,2200(1976)
		$^{24}\text{Mg}(^{32}\text{S},x)$ compound-nucleus product yield			
11985	BNL Expt A	BAP 21 66	177 1.0+2	1.8+2	Kovar+ NDG.
		$^{24}\text{Mg}(^{32}\text{S},n+3p)^{52}\text{Mn}$ $\sigma(E)$			
11986	JUL Rev J	NIM 146 161	077 7.0+1	1.2+2	Schult. NDG. NC/A 33, 460 (1973).
		$^{27}\text{Al}(^{32}\text{S},x)$ compound-nucleus $\sigma(E)$			
11987	DUB Theo J	YF 27 1191	578 3.0+1	1.8+2	Toneev+ CURV. NEW MODEL CFD EXPT.
	Theo C	77TOKYO 665	977 3.0+1	1.8+2	Schmidt+ CURV. PHENOM. MODEL CFD TO EXP
	Theo S	JINR-P7-10452 77	3.0+1	1.8+2	Toneev+ CURV.
	Theo J	SNP 27 631	78 3.0+1	1.8+2	. TRANSLATION OF YF 27,1191
11988	PAR Rev J	RPP 39 129	76 3.0+1	5.3+1	Lefort. CURV. 1/E. NP/A 213, 267(1973)
	Rev J	RPP 39 129	76 5.0+1	1.5+2	Lefort. TBL. SUM OF EVAP. RES.
	Rev C	74NASH 2 81	674 3.4+2		Lefort+ 680MB. 74NASH 1,112(74).
11989	BER Theo J	PR/C 20 992	979 5.3+1	1.1+2	Krappe+ CURV. UNIFIED POT. CFD. EXPT
11990	OSI Theo P	OSI-79-11 80	079 6.2+1	2.2+2	Banger+ CURV. INFLUENCE OF HI POTEN
11991	CRC Theo J	PRL 41 1529	N78 6.5+1	1.4+2	Horn+ CURV. CN+ENTR. CHAN. PAR. CFD EXP
11992	GRA Rev S	LYCEN-7902 379	6.6+1	1.5+2	Fleury. P. C.7.1. FUSION. CURV.
11993	BZL Theo J	PR/C 18 2152	N78 7.8+1	1.8+2	Vaz+ CURV. SYS. SEMIEMP. ANALYS. OF FUS
		$^{40}\text{Ca}(^{32}\text{S},x)$ compound-nucleus $\sigma(E)$			
11994	ANL Expt P	ANL-79-40 43	79 NDG		Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
11995	PAR Rev J	RPP 39 129	76 4.3+1	5.6+1	Lefort. CURV. 1/E. NP/A 213, 267(1973)
11996	CCP Theo J	IZV 40 2200	76 8.0+1	1.1+2	Vershinin+ TBL. ALSO CRITICAL L.
	Theo J	BAS 40 150	76 8.0+1	1.1+2	. TRANSLATION OF IZV 40,2200(1976)
		$^{40}\text{Ca}(^{32}\text{S},n+2p)^{69}\text{Se}$ product yield			
11997	BRK Rev J	ARN 27 333	77 NDG		Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
		$^{46}\text{Ti}(^{32}\text{S},x)$ $\sigma(E)$			
11998	PAR Rev J	NIM 146 225	077 1.3+2		Peter. TBL. QUASI-FISSION. ZP/A 274,121
		$^{46}\text{Ti}(^{32}\text{S},x)$ compound-nucleus $\sigma(E)$			
11999	PAR Rev J	NIM 146 225	077 1.3+2		Peter. TBL. ZP/A 274, 121(1975).
		$^{46}\text{Ti}(^{32}\text{S},x)$ $\sigma(E)$ x factor			
12000	PAR Rev J	NIM 146 225	077 1.3+2		Peter. TBL. QUASI-F/ABS. ZP/A 274, 121
		$^{46}\text{Ti}(^{32}\text{S},\text{absorption})$ $\sigma(E)$			
12001	PAR Rev J	NIM 146 225	077 1.3+2		Peter. TBL. ZP/A 274, 121(1975).
		$^{50}\text{Ti}(^{32}\text{S},\text{fission})$ product yield			
12002	HEI Expt A	76ANL-2 2 583	476 NDG		Gelbke+ NDG.
		$^{50}\text{Ti}(^{32}\text{S},\text{total})$ partial $\sigma(E)$			
12003	HEI Rev J	NIM 146 199	077 1.7+2		Zeidman. CURV. SIG(L). FOUR MODELS.
		$^{52}\text{Cr}(^{32}\text{S},3n)^{81}\text{Zr}$ product yield			
12004	BRK Rev J	ARN 27 333	77 6.0+2		Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
		$^{54}\text{Fe}(^{32}\text{S},2p)^{84}\text{Zr}$ $\sigma(E)$			
12005	MUJ Expt J	ZP/A 281 409	77 9.3+1	1.2+2	Korschinnik+ NDG. IN-BEAM G'S.

REFERENCES(cont)						
No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
		$^{56}\text{Fe}(^{32}\text{S},2p)^{86}\text{Zr}$	$\sigma(E)$			
12006	MUJ Expt J	JP/A 281	409	77 9.3+1	1.1+2 Korschinik+	NDG. IN-BEAM G'S.
		$^{58}\text{Ni}(^{32}\text{S},x)$	compound-nucleus	$\sigma(E)$		
12007	PAR Revv J	RPP 39	129	76 5.6+1	7.7+1 Lefort.	CURV. 1/E. NP/A 213, 267(1973)
12008	CCP Theo J	IZV 40	2200	76 9.6+1	1.2+2 Vershinin+	TBL. ALSO CRITICAL L.
		Theo J BAS	40 150	76 9.6+1	1.2+2	TRANSLATION OF IZV 40,2200(1976)
		$^{58}\text{Ni}(^{32}\text{S},x)^{84}\text{Zr}$	cumulative	$\sigma(E)$		
12009	MUJ Expt J	JP/A 281	409	77 1.1+2	Korschinik+	(133+-15)MB. IN-BEAM GAMMAS.
		$^{58}\text{Ni}(^{32}\text{S},x)^{84}\text{Zr}$	relative I_γ			
12010	MUJ Expt J	JP/A 281	409	77 9.3+1	1.2+2 Korschinik+	CURV. 540-KEV G OF ZR84.
		$^{58}\text{Ni}(^{32}\text{S},2p+\alpha)^{84}\text{Zr}$	$\sigma(E)$			
12011	MUJ Fxpt J	JP/A 281	409	77 9.3+1	1.2+2 Korschinik+	NDG. IN-BEAM G'S.
		$^{58}\text{Ni}(^{32}\text{S},x)^{86}\text{Zr}$	cumulative	$\sigma(E)$		
12012	MUJ Expt J	JP/A 281	409	77 1.1+2	Korschinik+	(86+-40)MB. IN-BEAM GAMMAS.
		$^{58}\text{Ni}(^{32}\text{S},x)^{86}\text{Zr}$	relative I_γ			
12013	MUJ Expt J	JP/A 281	409	77 9.3+1	1.2+2 Korschinik+	CURV. 914.7-KEV G OF ZR86.
		$^{58}\text{Ni}(^{32}\text{S},4p)^{86}\text{Zr}$	$\sigma(E)$			
12014	MUJ Expt J	JP/A 281	409	77 9.3+1	1.2+2 Korschinik+	NDG. IN-BEAM G'S.
		$^{58}\text{Ni}(^{32}\text{S},n+p+\alpha)^{84}\text{Nb}$	$\sigma(E)$			
12015	MUJ Expt J	JP/A 281	409	77 9.3+1	1.2+2 Korschinik+	NDG. IN-BEAM G'S.
		$^{58}\text{Ni}(^{32}\text{S},n+3p)^{86}\text{Nb}$	$\sigma(E)$			
12016	MUJ Expt J	JP/A 281	409	77 9.3+1	1.2+2 Korschinik+	NDG. IN-BEAM G'S.
		$^{58}\text{Ni}(^{32}\text{S},x)^{87}\text{Nb}$	cumulative	$\sigma(E)$		
12017	MUJ Expt J	JP/A 281	409	77 1.1+2	Korschinik+	(135+-60)MB. IN-BEAM GAMMAS.
		$^{58}\text{Ni}(^{32}\text{S},3p)^{87}\text{Nb}$	$\sigma(E)$			
12018	MUJ Expt J	JP/A 281	409	77 9.3+1	1.2+2 Korschinik+	NDG. IN-BEAM G'S.
		$^{58}\text{Ni}(^{32}\text{S},3p)^{87}\text{Nb}$	relative I_γ			
12019	MUJ Expt J	JP/A 281	409	77 9.3+1	1.2+2 Korschinik+	CURV. 201.4-KEV G OF ZR87.
		Expt J JP/A 281	409	77 9.3+1	1.2+2 Korschinik+	CURV. 782-KEV G OF NB87.
		$^{58}\text{Ni}(^{32}\text{S},n+2p)^{87}\text{Mo}$	$\sigma(E)$			
12020	MUJ Expt J	JP/A 281	409	77 9.3+1	1.2+2 Korschinik+	NDG. IN-BEAM G'S.
		$^{60}\text{Ni}(^{32}\text{S},x)^{86}\text{Zr}$	cumulative	$\sigma(E)$		
12021	MUJ Expt J	JP/A 281	409	77 1.1+2	Korschinik+	(51+-20)MB. IN-BEAM GAMMAS.
		$^{60}\text{Ni}(^{32}\text{S},2p+\alpha)^{86}\text{Zr}$	$\sigma(E)$			
12022	MUJ Expt J	JP/A 281	409	77 9.3+1	1.1+2 Korschinik+	NDG. IN-BEAM G'S.
		$^{60}\text{Ni}(^{32}\text{S},x)^{88}\text{Zr}$	cumulative	$\sigma(E)$		
12023	MUJ Expt J	JP/A 281	409	77 1.1+2	Korschinik+	(46+-20)MB. IN-BEAM GAMMAS.
		$^{60}\text{Ni}(^{32}\text{S},x)^{88}\text{Zr}$	relative I_γ			
12024	MUJ Expt J	JP/A 281	409	77 9.3+1	1.1+2 Korschinik+	CURV. 1057-KEV G OF ZR88.
		$^{60}\text{Ni}(^{32}\text{S},x)^{86}\text{Nb}$	relative I_γ			
12025	MUJ Expt J	JP/A 281	409	77 9.3+1	1.1+2 Korschinik+	CURV. 914.7-KEV G OF ZR86.
		$^{60}\text{Ni}(^{32}\text{S},n+p+\alpha)^{88}\text{Nb}$	$\sigma(E)$			
12026	MUJ Expt J	JP/A 281	409	77 9.3+1	1.1+2 Korschinik+	NDG. IN-BEAM G'S.
		$^{60}\text{Ni}(^{32}\text{S},p+\alpha)^{87}\text{Nb}$	$\sigma(E)$			
12027	MUJ Expt J	JP/A 281	409	77 1.1+2	Korschinik+	(1.2+-0.5)MB. IN-BEAM GAMMA
		$^{60}\text{Ni}(^{32}\text{S},x)^{89}\text{Nb}$	cumulative	$\sigma(E)$		
12028	MUJ Expt J	JP/A 281	409	77 1.1+2	Korschinik+	GT 20MB. IN-BEAM GAMMAS.
		$^{70}\text{Ge}(^{32}\text{S},x)^{99}\text{Pd}$	relative $\sigma(E)$			
12029	DNL Expt J	PR/C 15	287 1/6	1.1+2 1.4+2	Piel+ TBL.	AT 130,120. COMP TO C12+ZR91

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
		$^{92}\text{Mo}(^{32}\text{S},\text{Sn}+2\text{p})^{117}\text{Ba}$				product yield
12030	BRK Revw J ARN	27	333	77 NDG	Cerny+	TBL. PRODUCTION DELAYED-P PRECUR
		$^{92}\text{Mo}(^{32}\text{S},3\text{n}+2\text{p})^{118}\text{Ba}$				product yield
12031	BRK Revw J ARN	27	333	77 NDG	Cerny+	TBL. PRODUCTION DELAYED-P PRECUR
		$^{92}\text{Mo}(^{32}\text{S},\text{n}+2\text{p})^{121}\text{Ba}$				product yield
12032	BRK Revw J ARN	27	333	77 NDG	Cerny+	TBL. PRODUCTION DELAYED-P PRECUR
		$^{96}\text{Ru}(^{32}\text{S},\text{inelastic})^{96}\text{Ru}$				partial relative $\sigma(\text{E})$,
12033	LVP Expt J JP/G	3	1735	77 4.8+1	Maynard+TBL.	(2+-0+)G YLD. REL TO RU102
		$^{96}\text{Ru}(^{32}\text{S},\text{x})^{121}\text{Pr}$				product yield
12034	BRK Revw J ARN	27	333	77 NDG	Cerny+NDG.APP.	1SEC.ASSIGN NOT DEFINITE
		$^{98}\text{Ru}(^{32}\text{S},\text{inelastic})^{98}\text{Ru}$				partial relative $\sigma(\text{E})$,
12035	LVP Expt J JP/G	3	1735	77 4.8+1	Maynard+TBL.	(2+-0+)G YLD. REL TO RU102
		$^{100}\text{Ru}(^{32}\text{S},\text{inelastic})^{100}\text{Ru}$				partial relative $\sigma(\text{E})$,
12036	LVP Expt J JP/G	3	1735	77 4.8+1	Maynard+TBL.	(2+-0+)G YLD. REL TO RU102
		$^{102}\text{Ru}(^{32}\text{S},\text{inelastic})^{102}\text{Ru}$				partial relative $\sigma(\text{E})$,
12037	LVP Expt J JP/G	3	1735	77 4.8+1	Maynard+TBL.	(2+-0+)G YLD. REL TO RU102
		$^{104}\text{Ru}(^{32}\text{S},\text{inelastic})^{104}\text{Ru}$				partial relative $\sigma(\text{E})$,
12038	LVP Expt J JP/G	3	1735	77 4.8+1	Maynard+TBL.	(2+-0+)G YLD. REL TO RU102
		$^{102}\text{Pd}(^{32}\text{S},\text{inelastic})^{102}\text{Pd}$				partial relative $\sigma(\text{E})$,
12039	LVP Expt J JP/G	3	1735	77 4.8+1	Maynard+TBL.	(2+-0+)G YLD. REL TO PD110
		$^{102}\text{Pd}(^{32}\text{S},3\text{n}+2\text{p})^{129}\text{Nd}$				product yield
12040	BRK Revw J ARN	27	333	77 NDG	Cerny+	TBL. PRODUCTION DELAYED-P PRECUR
		$^{102}\text{Pd}(^{32}\text{S},\text{n}+2\text{p})^{131}\text{Nd}$				product yield
12041	BRK Revw J ARN	27	333	77 NDG	Cerny+	TBL. PRODUCTION DELAYED-P PRECUR
		$^{104}\text{Pd}(^{32}\text{S},\text{inelastic})^{104}\text{Pd}$				partial relative $\sigma(\text{E})$,
12042	LVP Expt J JP/G	3	1735	77 4.8+1	Maynard+TBL.	(2+-0+)G YLD. REL TO PD110
		$^{108}\text{Pd}(^{32}\text{S},\text{inelastic})^{108}\text{Pd}$				partial relative $\sigma(\text{E})$,
12043	LVP Expt J JP/G	3	1735	77 4.8+1	Maynard+TBL.	(2+-0+)G YLD. REL TO PD110
		$^{110}\text{Pd}(^{32}\text{S},\text{inelastic})^{110}\text{Pd}$				partial relative $\sigma(\text{E})$,
12044	LVP Expt J JP/G	3	1735	77 4.8+1	Maynard+TBL.	(2+-0+)G YLD. REL TO PD110
		$^{106}\text{Cd}(^{32}\text{S},\text{inelastic})^{106}\text{Cd}$				partial relative $\sigma(\text{E})$,
12045	LVP Expt J JP/G	3	1735	77 4.8+1	Maynard+TBL.	(2+-0+)G YLD. REL TO CD114
		$^{106}\text{Cd}(^{32}\text{S},3\text{n}+2\text{p})^{133}\text{Sm}$				product yield
12046	BRK Revw J ARN	27	333	77 NDG	Cerny+	TBL. PRODUCTION DELAYED-P PRECUR
		$^{106}\text{Cd}(^{32}\text{S},\text{n}+2\text{p})^{135}\text{Sm}$				product yield
12047	BRK Revw J ARN	27	333	77 NDG	Cerny+	TBL. PRODUCTION DELAYED-P PRECUR
		$^{108}\text{Cd}(^{32}\text{S},\text{inelastic})^{108}\text{Cd}$				partial relative $\sigma(\text{E})$,
12048	LVP Expt J JP/G	3	1735	77 4.8+1	Maynard+TBL.	(2+-0+)G YLD. REL TO CD114
		$^{110}\text{Cd}(^{32}\text{S},\text{inelastic})^{110}\text{Cd}$				partial relative $\sigma(\text{E})$,
12049	LVP Expt J JP/G	3	1735	77 4.8+1	Maynard+TBL.	(2+-0+)G YLD. REL TO CD114
		$^{112}\text{Cd}(^{32}\text{S},\text{inelastic})^{112}\text{Cd}$				partial relative $\sigma(\text{E})$,
12050	LVP Expt J JP/G	3	1735	77 4.8+1	Maynard+TBL.	(2+-0+)G YLD. REL TO CD114
		$^{114}\text{Cd}(^{32}\text{S},\text{inelastic})^{114}\text{Cd}$				partial relative $\sigma(\text{E})$,
12051	LVP Expt J JP/G	3	1735	77 4.8+1	Maynard+TBL.	(2+-0+)G YLD. REL TO CD114
		$^{115}\text{In}(^{32}\text{S},\text{x})$				compound-nucleus $\sigma(\text{E})$
12052	PAR Revw J APH	3	5	78 3.4+2	Lefort+	TBL. FUS. COMP. EXP+CALC.
	Revw J JPRC	37	57	N76 3.4+2	Lefort.	0.86B. SUM OF EVAP. + FISS.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
	¹¹⁵ In(³² S,x)	partial σ(E)			
12053	PAR Rev J JPRC	37	57	N76 3.4+2	Lefort. EVAP. RES. = 0.53B.
	¹¹⁵ In(³² S,fission)	σ(E)			
12054	PAR Rev J JPRC	37	57	N76 3.4+2	Lefort. 0.33B.
	¹²² Sn(³² S, ³ⁿ) ¹⁵¹ Dy	partial relative σ(E)			
12055	ROC Expt J PR/C	20	605	879 1.2+2	Lister+ NDG.
	Expt J PR/C	20	605	879 1.5+2	Lister+ TBL. 21 GS. ISOMER DECAY.
	¹³⁰ Te(³² S,total)	σ(E)			
12056	STR Theo J NP/A	325	463	879 1.4+2	Oeschler+ TBL. OM ANALYSIS OF ELAS. SCA
	¹³⁰ Te(³² S,total)	partial σ(E)			
12057	STR Theo J NP/A	325	463	879 1.4+2	Oeschler+ CURV. CFD OM TO CC. L=0-190.
	⁴⁵ Sc(³⁴ S,n+3p) ⁷⁵ Se	σ(E)			
12058	PAR Rev J JPRC	37	57	N76 4.0+1	1.4+2 Lefort. CURV.
	⁴⁵ Sc(³⁴ S, ^{3n+2p}) ⁷⁴ Br	σ(E)			
12059	PAR Rev J JPRC	37	57	N76 4.0+1	1.4+2 Lefort. CURV.
	⁴⁵ Sc(³⁴ S,n+α) ⁷⁴ Br	σ(E)			
12060	PAR Rev J JPRC	37	57	N76 4.0+1	1.4+2 Lefort. CURV.
	⁴⁵ Sc(³⁴ S, ^{2n+2p}) ⁷⁵ Br	σ(E)			
12061	PAR Rev J JPRC	37	57	N76 4.0+1	1.4+2 Lefort. CURV.
	⁴⁵ Sc(³⁴ S,n+2p) ⁷⁶ Br	σ(E)			
12062	PAR Rev J JPRC	37	57	N76 4.0+1	1.4+2 Lefort. CURV.
	⁴⁵ Sc(³⁴ S, ^{2p}) ⁷⁷ Br	σ(E)			
12063	PAR Rev J JPRC	37	57	N76 4.0+1	1.4+2 Lefort. CURV.
	⁴⁵ Sc(³⁴ S, ^{3n+p}) ⁷⁵ Kr	σ(E)			
12064	PAR Rev J JPRC	37	57	N76 4.0+1	1.4+2 Lefort. CURV.
	⁴⁵ Sc(³⁴ S, ^{2n+p}) ⁷⁶ Kr	σ(E)			
12065	PAR Rev J JPRC	37	57	N76 4.0+1	1.4+2 Lefort. CURV.
	⁴⁵ Sc(³⁴ S,n+p) ⁷⁷ Kr	σ(E)			
12066	PAR Rev J JPRC	37	57	N76 4.0+1	1.4+2 Lefort. CURV.
	⁴⁵ Sc(³⁴ S, ²ⁿ) ⁷⁷ Rb	σ(E)			
12067	PAR Rev J JPRC	37	57	N76 4.0+1	1.4+2 Lefort. CURV.
	³⁸ (³⁵ Cl,p) ³⁷ Cl	product yield			
12068	STR Expt A NIM	146	308	077 3.0+1	1.0+2 Baumann+ NDG. PEAK AT APP. 60 MEV.
	²⁷ Al(³⁵ Cl,x)	partial σ(E)			
12069	ROC Expt J PR/C	14	1808	N76 7.0+1	1.7+2 Scobel+ TBL. EVAPORATION RESIDUE.
	²⁷ Al(³⁵ Cl,x)	compound-nucleus σ(E)			
12070	ANL Expt P ANL-79-40	43	79	NDG	Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
12071	CRC Theo J PRL	41	1529	N78 6.9+1	1.7+2 Horn+ CURV. CN+ENTR. CHAN. PAR. CFD EXP
12072	ROC Expt J PR/C	14	1808	N76 7.0+1	1.7+2 Scobel+ CURV. SUM OF EVAP. RES. + FISS.
12073	PAR Rev J APH	3	5	78 1.6+2	Lefort+ TBL. FUS. COMP. EXP+CALC.
	Rev J JPRC	37	57	N76 1.6+2	1.7+2 Lefort. TBL. SUM OF EVAP. + FISS.
	⁴⁸ Ti(³⁵ Cl,x)	compound-nucleus σ(E)			
12074	ANL Expt P ANL-79-40	43	79	NDG	Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
12075	CRC Theo J PRL	41	1529	N78 8.6+1	1.6+2 Horn+ CURV. CN+ENTR. CHAN. PAR. CFD EXP
12076	ROC Expt J PR/C	14	1808	N76 9.7+1	1.6+2 Scobel+ CURV. SUM OF EVAP. RES. + FISS.
12077	PAR Rev J JPRC	37	57	N76 1.5+2	4.3+2 Lefort. CURV.
	Rev J JPRC	37	57	N76 1.6+2	Lefort. 1.08B. SUM OF EVAP. RES.+FISS.
	⁴⁸ Ti(³⁵ Cl,x)	partial σ(E)			
12078	ROC Expt J PR/C	14	1808	N76 9.7+1	1.6+2 Scobel+ TBL. EVAPORATION RESIDUE.
	⁴⁸ Ti(³⁵ Cl,fission)	σ(E)			
12079	ROC Expt J PR/C	14	1808	N76 1.6+2	Scobel+ (60+-30)MB. INT. E.MASS.ANGLE

REFERENCES(conti)

No. Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
⁵⁴ Fe(³⁵ Cl,x) partial $\sigma(E)$				
12080 ROC Expt J PR/C	14 1808 N76	1.5+2	1.6+2	Scobel+ 1BL. EVAP. RESIDUE.
⁵⁴ Fe(³⁵ Cl,fission) $\sigma(E)$				
12081 ROC Expt J PR/C	14 1808 N76	1.6+2		Scobel+ .LT. 50MB. INT. E,MASS,ANGLE
⁵⁶ Fe(³⁵ Cl,x) compound-nucleus $\sigma(E)$				
12082 ANL Expt P ANL-79-40	43 79 NDG			Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
12083 PAR Rev J APH	3 5 78	1.6+2		Lefort+ TBL. FUS. COMP. EXP+CALC.
Rev J JPRC	37 57 N76	1.6+2		Lefort. 0.964B. SUM OF EVAP. RES.+FISS.
⁵⁶ Fe(³⁵ Cl,x) partial $\sigma(E)$				
12084 ROC Expt J PR/C	14 1808 N76	1.0+2	1.6+2	Scobel+ TBL. EVAPORATION RESIDUE
⁵⁶ Fe(³⁵ Cl,fission) $\sigma(E)$				
12085 ROC Expt J PR/C	14 1808 N76	1.6+2		Scobel+ .LT. 50MB. INT. E,MASS,ANGLE
Ni(³⁵ Cl,fission) product yield				
12086 ROC Exth A BAP	22 610 477	NDG		Zohn+ NDG.
⁵⁸ Ni(³⁵ Cl,x) compound-nucleus $\sigma(E)$				
12087 ANL Expt P ANL-79-40	43 79 NDG			Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
12088 BNL Exth A 74NASH	1 113 674	9.0+1	1.5+2	Scobel+ NDG. DER. PAR. INTAD. EVAP. RES
12089 PAR Rev J JPRC	37 57 N76	9.6+1	1.4+2	Lefort. CURV.
Rev J JPRC	37 57 N76	1.4+2		Lefort. 0.781B. SUM OF EVAP. RES.+FISS.
12090 ROC Expt J PR/C	14 1808 N76	9.6+1	1.4+2	Scobel+ CURV. SUM OF EVAP. RES. + FISS.
12091 ROC Theo J PRL	40 1123 478	1.0+2	2.9+2	Birkelund+ CURV. FUSION. DYNAMICAL MOD.
⁵⁸ Ni(³⁵ Cl,x) partial $\sigma(E)$				
12092 ROC Expt J PR/C	11 1701 575	9.1+1	1.7+2	Scobel+ TBL. CURV. EVAPORATION RESIDUE
⁵⁸ Ni(³⁵ Cl,absorption) $\sigma(E)$				
12093 ROC Expt J PR/C	14 1808 N76	1.0+2		Scobel+ 83MB FROM OM ANALYSIS.
⁵⁸ Ni(³⁵ Cl,fission)isotopic distribution				binary fission yield
12094 ROC Theo A BAP	21 974 76	NDG		Mignerey+ NDG. ROTATING LIQUID DROP
⁶⁰ Ni(³⁵ Cl,x) compound-nucleus $\sigma(E)$				
12095 ANL Expt P ANL-79-40	43 79 NDG			Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
12096 ROC Expt J PR/C	14 1808 N76	8.4+1	1.3+2	Scobel+ CURV. SUM OF EVAP. RES. + FISS.
12097 BZL Theo J PR/C	18 2152 N78	9.2+1	1.1+2	Vaz+ CURV. SYS. SEMIEMP. ANALYS. OF FUS
12098 ROC Theo J PRL	40 1122 478	9.9+1	2.9+2	Birkelund+ CURV. FUSION. DYNAMICAL MOD.
12099 PAR Rev J JPRC	37 57 N76	1.2+2	3.6+2	Lefort. CURV.
⁶⁰ Ni(³⁵ Cl,x) partial $\sigma(E)$				
12100 ROC Expt J PR/C	11 1701 575	9.1+1	1.7+2	Scobel+ TBL. CURV. EVAPORATION RESIDUE
⁶² Ni(³⁵ Cl,x) compound-nucleus $\sigma(E)$				
12101 ANL Expt P ANL-79-40	43 79 NDG			Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
12102 BNL Exth A 74NASH	1 113 674	9.0+1	1.5+2	Scobel+ NDG. DER. PAR. INTAD. EVAP. RES
12103 PAR Rev J APH	3 5 78	9.2+1	1.0+2	Lefort+ CURV. FUSION DEVIATES FRM 1/E.
Rev J APH	3 5 78	1.7+2		Lefort+ TBL. FUS. COMP. EXP+CALC.
Rev J JPRC	37 57 N76	1.5+2	2.2+2	Lefort. CURV.
Rev J JPRC	37 57 N76	1.7+2		Lefort. 1.09B. SUM OF EVAP.+FISS.
12104 ROC Expt J PR/C	14 1808 N76	9.2+1	1.7+2	Scobel+ CURV. SUM OF EVAP. RES. + FISS.
Expt J PR/C	11 1701 575	9.1+1	1.7+2	Scobel+ CURV. FROM EVAPORATION RESIDUE.
12105 ROC Rev S BNL-51115	235 779	9.2+1	6.3+2	Hulzenga+ CURV. CFD EXPT AND MODEL
12106 BZL Theo J PR/C	18 2152 N78	9.4+1	1.4+2	Vaz+ CURV. SYS. SEMIEMP. ANALYS. OF FUS
12107 GRA Rev S LYCEN-7902	379	9.4+1	1.4+2	Fleury. P. C.7.1. FUSION. CURV.
12108 CRC Theo J PRL	41 1529 N78	9.7+1	1.7+2	Horn+ CURV. CN+ENTR. CHAN. PAR. CFD EXP
12109 BLN Theo J PL/B	88 43 079	9.8+1	3.9+2	Samadpour+ CURV. CLASSICAL DYNAMICAL MOD
12110 ROC Theo J PRL	40 1122 478	9.8+1	2.8+2	Birkelund+ CURV. FUSION. DYNAMICAL MOD.
12111 BER Theo J PR/C	20 992 979	1.0+2	1.3+2	Krappe+ CURV. UNIFIED POT. CFD. EXPT
⁶² Ni(³⁵ Cl,x) partial $\sigma(E)$				
12112 ROC Expt J PR/C	14 1808 N76	1.0+2		Scobel+ (23+-8)MB TOTAL TRANSFER SIGMA
Expt J PR/C	11 1701 575	9.1+1	1.7+2	Scobel+ TBL. CURV. EATION RESIDUE
⁶² Ni(³⁵ Cl,fission) $\sigma(E)$				
12113 ROC Expt J PR/C	14 1808 N76	1.6+2	1.7+2	Scobel+ TBL. INT. OVER E,MASS,ANGLE

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
⁶² Ni(³⁵ Cl,absorption) σ(E)				
12114 ROC Expt J PR/C	14 1808 N76	1.0+2		Scobel+ 182MB FROM OM ANALYSIS.
⁶⁴ Ni(³⁵ Cl,x) compound-nucleus σ(E)				
12115 ANL Expt P ANL-79-40	43 79 NDG			Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
12116 BNL Exth A 74NASH	1 113 674 9.0+1	1.5+2		Scobel+ NDG. DER. PAR. INTAD. EVAP. RES
12117 BZL Theo J PR/C	18 2152 N78 9.0+1	1.1+2		Vaz+ CURV. SYS. SEMIEMP. ANALYS. OF FUS
12118 ROC Expt J PR/C	14 1808 N76 9.0+1	1.3+2		Scobel+ CURV. SUM OF EVAP. RES. + FISS.
12119 ROC Theo J PRL	40 1122 478 9.7+1	2.8+2		Birkelund+ CURV. FUSION. DYNAMICAL MOD.
12120 PAR Revv J JPRC	37 57 N76 1.2+2	3.4+2		Lefort. CURV.
⁶⁴ Ni(³⁵ Cl,x) partial σ(E)				
12121 ROC Expt J PR/C	11 1701 575 9.0+1	1.7+2		Scobel+ TBL. CURV. EVAPORATION RESIDUE
⁹⁰ Zr(³⁵ Cl,x) compound-nucleus σ(E)				
12122 ANL Expt P ANL-79-40	43 79 NDG			Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
12123 ROC Expt J PR/C	14 1808 N76 1.2+2	1.6+2		Scobel+ CURV. SUM OF EVAP. RES. + FISS.
Expt J PR/C	14 1808 N76 1.2+2	1.6+2		Scobel+ CURV. SUM OF EVAP. RES. + FISS.
12124 PAR Revv J APH	3 5 78 1.6+2			Lefort+ TBL. FUS. COMP. EXP+CALC.
Revv J JPRC	37 57 N76 9.6+1	2.8+2		Lefort. CURV.
Revv J JPRC	37 57 N76 1.6+2			Lefort. 0.850B. SUM OF EVAP. RES.+FISS.
^{Sn} (³⁵ Cl,fission) product yield				
12125 ROC Exth A BAP	22 610 477 NDG			Zohn+ NDG.
¹¹² Sn(³⁵ Cl,x) compound-nucleus σ(E)				
12126 ROC Theo J PRL	40 1122 478 1.4+2	2.6+2		Birkelund+ CURV. FUSION. DYNAMICAL MOD.
¹¹² Sn(³⁵ Cl,fission)isotopic distribution binary fission yield				
12127 ROC Theo A BAP	21 974 76 NDG			Mignerey+ NDG. ROTATING LIQUID DROP
¹¹⁶ Sn(³⁵ Cl,x) compound-nucleus σ(E)				
12128 CRC Theo J PRL	41 1529 N78 1.4+2	1.7+2		Horn+ CURV. CN+ENTR. CHAN. PAR. CFD EXP
12129 ROC Theo J PRL	40 1122 478 1.4+2	2.6+2		Birkelund+ CURV. FUSION. DYNAMICAL MOD.
12130 ROC Expt J PR/C	14 1808 N76 1.4+2	1.7+2		Scobel+ CURV. FUS = SUM EVAP. RES.+FISS
12131 PAR Revv J APH	3 5 78 1.7+2			Lefort+ TBL. FUS. COMP. EXP+CALC.
Revv J JPRC	37 57 N76 8.5+1	2.5+2		Lefort. CURV.
Revv J JPRC	37 57 N76 1.7+2			Lefort. 0.550B. SUM OF EVAP. RES.+FISS.
12132 ROC Revv S BNL-51115	235 779 1.7+2			Huizenga+ TBL. CFD LCRT.
¹¹⁶ Sn(³⁵ Cl,x) partial σ(E)				
12133 ROC Expt J PR/C	14 1808 N76 1.4+2	1.7+2		Scobel+ TBL. EVAPORATION RESIDUE.
¹¹⁶ Sn(³⁵ Cl,fission) σ(E)				
12134 ORL Revv R IAEA-241/SM	79 1.6+2	1.7+2		Plasit+ CURV. CFD EXPT. SEVERAL MODELS.
Revv R CONF-790507	3 79 1.6+2	1.7+2		Plasit+ SAME AS IAEA-SM/241-D1
12135 ROC Expt J PR/C	14 1808 N76 1.6+2	1.7+2		Scobel+TBL. INT E.MASS.ANG.
¹¹⁶ Sn(³⁵ Cl,fission)isotopic distribution binary fission yield				
12136 ROC Theo A BAP	21 974 76 NDG			Mignerey+ NDG. ROTATING LIQUID DROP
¹²⁰ Sn(³⁵ Cl,x) compound-nucleus σ(E)				
12137 ROC Theo J PRL	40 1122 478 1.4+2	2.6+2		Birkelund+ CURV. FUSION. DYNAMICAL MOD.
¹²⁰ Sn(³⁵ Cl,fission)isotopic distribution binary fission yield				
12138 ROC Theo A BAP	21 974 76 NDG			Mignerey+ NDG. ROTATING LIQUID DROP
¹²² Sn(³⁵ Cl,4n) ¹⁵³ Ho partial product yield				
12139 YAL Expt A BAP	25 48 180 NDG			Radford+ NDG. HIGH-SPIN STATES.
¹²⁴ Sn(³⁵ Cl,x) compound-nucleus σ(E)				
12140 PAR Revv J JPRC	37 57 N76 8.2+1	2.3+2		Lefort. CURV.
Revv J JPRC	37 57 N76 1.7+2			Lefort. 0.632B. SUM OF EVAP. RES.+FISS.
12141 CRC Theo J PRL	41 1529 N78 1.3+2	1.7+2		Horn+ CURV. CN+ENTR. CHAN. PAR. CFD EXP
12142 ROC Theo J PRL	40 1122 478 1.4+2	2.6+2		Birkelund+ CURV. FUSION. DYNAMICAL MOD.
12143 ROC Expt J PR/C	14 1808 N76 1.4+2	1.7+2		Scobel+ CURV. FUS = SUM EVAP. RES.+FISS
¹²⁴ Sn(³⁵ Cl,x) partial σ(E)				
12144 ROC Expt J PR/C	14 1808 N76 1.4+2	1.7+2		Scobel+ TBL. EVAPORATION RESIDUE.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
	$^{124}\text{Sn}(^{35}\text{Cl}, \text{fission})$	$\sigma(E)$			
12145	ROC Expt J PR/C	14	1808	N76 1.7+2	Scobel+ (60+-20)MB. INT. E.MASS.ANG
	$^{124}\text{Sn}(^{35}\text{Cl}, \text{fission})$	isotopic distribution			binary fission yield
12146	ROC Theo A BAP	21	974	76 NDG	Mignerey+ NDG. ROTATING LIQUID DROP
	$^{141}\text{Pr}(^{35}\text{Cl}, x)$	compound-nucleus	$\sigma(E)$		
12147	WHA Theo J PR/C	21	614	280 NDG	Sikora+ CURV. CLASSICAL ANALYSIS.
	$^{141}\text{Pr}(^{35}\text{Cl}, \text{fission})$	product yield			
12148	ROC Exth A BAP	22	610	477 NDG	Zehni+ NDG.
	$^{12}\text{C}(^{40}\text{Ar}, x)$	isotopic distribution	raw $\sigma(E)$		
12149	MSU Revv S BNL-S1115	1	779	8.5+3	Gelbke. CURV. SULFER. 3 REFERENCES.
	$^{42}\text{Ca}(^{40}\text{Ar}, \text{fission})$	product yield			
12150	HEI Expt A 76ANL-2	2	583	476 NDG	Gelbke+ NDG. WORK IN PROGRESS.
	$^{48}\text{Ca}(^{40}\text{Ar}, x)$	isotopic distribution	raw $\sigma(E)$		
12151	MSU Revv S BNL-S1115	1	779	2.4+2	Gelbke. CURV. SULFER. 20 DEG. 3 REF.
	$\text{Ni}(^{40}\text{Ar}, x)$	$\sigma(E)$			
12152	PAR Revv J JPRC	37	57	N76 NDG	Lefort. EVAP. RES. DEP. ON $\text{Z}_1\text{Z}_2/(A_1+A_2)$
	$^{58}\text{Ni}(^{40}\text{Ar}, x)$	$\sigma(E)$			
12153	PAR Revv J NIM	146	225	077 2.8+2	Peter. TBL. QUASI-FISSION. NP/A 253, 511
	$^{58}\text{Ni}(^{40}\text{Ar}, x)$	compound-nucleus	$\sigma(E)$		
12154	PAR Revv J NIM	146	225	077 2.8+2	Peter. TBL. NP/A 253, 511(1975)
	$^{58}\text{Ni}(^{40}\text{Ar}, x)$	$\sigma(E) \times \text{factor}$			
12155	PAR Revv J NIM	146	225	077 2.8+2	Peter. TBL. QUASI-F/ABS. NP/A 253, 511
	$^{58}\text{Ni}(^{40}\text{Ar}, \text{absorption})$	$\sigma(E)$			
12156	PAR Revv J NIM	146	225	077 2.8+2	Peter. TBL. NP/A 253, 511(1975)
	$^{60}\text{Ni}(^{40}\text{Ar}, x)$	compound-nucleus	$\sigma(E)$		
12157	PAR Revv J APH	3	5	78 1.7+2	Lefort+ TBL. FUS. COMP. EXP+CALC.
	$\text{Cu}(^{40}\text{Ar}, x)$	charge distribution	$\sigma(E)$		
12158	MRY Expt A DA/B	38	3191	178 1.7+2	Mathews. NDG.
	Exth A DA/B	38	3191	178 1.7+2	Viola. NDG. VARIETY OF FEATURES.
	$^{74}\text{Ge}(^{40}\text{Ar}, x)$	$\sigma(E)$			
12159	PAR Revv J RPP	39	129	76 1.3+2	Lefort. TBL. SUM OF EVAP. RES.
	$^{74}\text{Ge}(^{40}\text{Ar}, x)$	compound-nucleus	$\sigma(E)$		
12160	PAR Revv J APH	3	5	78 2.6+2	Lefort+ TBL. FUS. COMP. EXP+CALC.
	Revv J JPRC	37	57	N76 2.0+2	Lefort. .GT. 0.958.
	Revv J RPP	39	129	76 1.3+2	Lefort. TBL. SUM OF EVAP. RES. AND FISSION
	$^{74}\text{Ge}(^{40}\text{Ar}, x)$	partial $\sigma(E)$			
12161	PAR Revv J JPRC	37	57	N76 2.0+2	Lefort. EVAP. RES. = 0.958.
	$\text{Se}(^{40}\text{Ar}, x)^{1}\text{H}$	$\sigma(E)$			
12162	PAR Expt J PR/C	9	1113	374 2.0+2	Galin+ TBL. ENERGY/ANGLE INTEGRATED.
	$\text{Se}(^{40}\text{Ar}, x)^{2}\text{H}$	$\sigma(E)$			
12163	PAR Expt J PR/C	9	1113	374 2.0+2	Galin+ TBL. ENERGY/ANGLE INTEGRATED.
	$\text{Se}(^{40}\text{Ar}, x)^{3}\text{H}$	$\sigma(E)$			
12164	PAR Expt J PR/C	9	1113	374 2.0+2	Galin+ TBL. ENERGY/ANGLE INTEGRATED.
	$\text{Se}(^{40}\text{Ar}, x)^{4}\text{He}$	$\sigma(E)$			
12165	PAR Expt J PR/C	9	1113	374 2.0+2	Galin+ TBL. ENERGY/ANGLE INTEGRATED.
	$\text{Se}(^{40}\text{Ar}, x)$	charge distribution	$\sigma(E)$		
12166	PAR Expt J PR/C	9	1113	374 2.0+2	Galin+ TBL. ENERGY/ANGLE INTEGRATED.
	$^{77}\text{Se}(^{40}\text{Ar}, x)$	compound-nucleus	$\sigma(E)$		
12167	PAR Revv J RPP	39	129	76 9.5+1	Lefort. NDG. L(CRIT) GIVEN.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{77}\text{Se}(^{40}\text{Ar}, x)$ compound-nucleus $\sigma(E)$					
12168	PAR Revv J APH	3 5 78	2.0+2		Lefort+ TBL. FUS. COMP. EXP+CALC.
	Revv C 74NASH	2 81 674	1.4+2	2.0+2	Lefort+ NDG. PR/C 9, 1126(74).
	Expt J PR/C	9 1126 374	1.5+2	2.0+2	Galin+ TBL. FUSION. PR/C 9, 1113.
$^{77}\text{Se}(^{40}\text{Ar}, x)$ compound-nucleus $\sigma(E) \times \text{factor}$					
12169	PAR Revv C 74NASH	2 81 674	1.1+2	3.0+2	Lefort+ CURV. COMPARISON OF L CRITICAL
12170	NBI Revv C 73TRIST	1 295 973	1.5+2	2.0+2	Siemens. TBL. L(CRIT) FRM LEFORT COMPI L
$^{77}\text{Se}(^{40}\text{Ar}, \text{absorption})$ $\sigma(E) \times \text{factor}$					
12171	PAR Revv C 74NASH	2 81 674	1.1+2	3.0+2	Lefort+ CURV. COMPARISON OF L-CRITICAL
$^{77}\text{Se}(^{40}\text{Ar}, \text{absorption})$ $\sigma(E)$					
12172	PAR Expt J PR/C	9 1126 374	1.5+2	2.0+2	Galin+ TBL. OPT. MOD. PR/C 9, 1113.
$^{77}\text{Se}(^{40}\text{Ar}, x)^{1}\text{H}$ $\sigma(E)$					
12173	PAR Expt J PR/C	9 1126 374	1.5+2	2.0+2	Galin+ TBL. FROM PR/C 9, 1113.
	Expt J PR/C	9 1113 374	1.5+2	2.0+2	Galin+ TBL. ENERGY/ANGLE INTEGRATED.
$^{77}\text{Se}(^{40}\text{Ar}, x)^{1}\text{H}$ $\sigma(E) \times \text{factor}$					
12174	PAR Expt J PR/C	9 1126 374	1.5+2	2.0+2	Galin+ TBL. RATIO A/P. PR/C 9, 1113.
$^{77}\text{Se}(^{40}\text{Ar}, x)^{2}\text{H}$ $\sigma(E)$					
12175	PAR Expt J PR/C	9 1126 374	1.5+2	2.0+2	Galin+ TBL. FROM PR/C 9, 1113.
	Expt J PR/C	9 1113 374	1.5+2	2.0+2	Galin+ TBL. ENERGY/ANGLE INTEGRATED.
$^{77}\text{Se}(^{40}\text{Ar}, x)^{3}\text{H}$ $\sigma(E)$					
12176	PAR Expt J PR/C	9 1126 374	1.5+2	2.0+2	Galin+ TBL. FROM PR/C 9, 1113.
	Expt J PR/C	9 1113 374	1.5+2	2.0+2	Galin+ TBL. ENERGY/ANGLE INTEGRATED.
$^{77}\text{Se}(^{40}\text{Ar}, x)^{4}\text{He}$ $\sigma(E)$					
12177	PAR Expt J PR/C	9 1126 374	1.5+2	2.0+2	Galin+ TBL. FROM PR/C 9, 1113.
	Expt J PR/C	9 1113 374	1.5+2	2.0+2	Galin+ TBL. ENERGY/ANGLE INTEGRATED.
$^{77}\text{Se}(^{40}\text{Ar}, x)^{4}\text{He}$ $\sigma(E) \times \text{factor}$					
12178	PAR Expt J PR/C	9 1126 374	1.5+2	2.0+2	Galin+ TBL. RATIO A/P. PR/C 9, 1113.
$^{77}\text{Se}(^{40}\text{Ar}, x)$ charge distribution $\sigma(E)$					
12179	PAR Expt J PR/C	9 1113 374	1.5+2	2.0+2	Galin+ TBL. ENERGY/ANGLE INTEGRATED.
$^{82}\text{Se}(^{40}\text{Ar}, 6n)^{116}\text{Te}$ average v_y					
12180	BRK Expt J NP/A	313 209 179	1.6+2	1.8+2	Simon+ TBL. INTEGRATION OF TOTAL SPECT.
$^{82}\text{Se}(^{40}\text{Ar}, 5n)^{117}\text{Te}$ average v_y					
12181	BRK Expt J NP/A	313 209 179	1.6+2	1.8+2	Simon+ TBL. INTEGRATION OF TOTAL SPECT.
$^{82}\text{Se}(^{40}\text{Ar}, 4n)^{118}\text{Te}$ average v_y					
12182	BRK Expt J NP/A	313 209 179	1.6+2	1.8+2	Simon+ TBL. INTEGRATION OF TOTAL SPECT.
$^{110}\text{Pd}(^{40}\text{Ar}, x)$ compound-nucleus $\sigma(E)$					
12183	PAR Expt J ZP/A	282 65 77	1.4+2	2.4+2	Della-Negra+ CURV. FUS = SUM OF RES.
$^{110}\text{Pd}(^{40}\text{Ar}, 3n+2\alpha)^{139}\text{Nd}$ $\sigma(E)$					
12184	PAR Expt J ZP/A	282 65 77	1.9+2	2.0+2	Della-Negra+ TBL.
$^{110}\text{Pd}(^{40}\text{Ar}, 5n+p+\alpha)^{140}\text{Pm}$ $\sigma(E)$					
12185	PAR Expt J ZP/A	282 65 77	1.9+2	2.4+2	Della-Negra+ TBL. CURV.
$^{110}\text{Pd}(^{40}\text{Ar}, 5n+\alpha)^{141}\text{Sm}$ $\sigma(E)$					
12186	PAR Expt J ZP/A	282 65 77	1.6+2	2.4+2	Della-Negra+ TBL. CURV.
$^{110}\text{Pd}(^{40}\text{Ar}, 3n+\alpha)^{143}\text{Sm}$ $\sigma(E)$					
12187	PAR Expt J ZP/A	282 65 77	1.4+2	2.1+2	Della-Negra+ TBL. CURV.
$^{110}\text{Pd}(^{40}\text{Ar}, x)^{140}\text{Eu}$ cumulative $\sigma(E)$					
12188	PAR Expt J ZP/A	282 65 77	1.5+2	2.0+2	Della-Negra+ TBL. CURV.
$^{110}\text{Pd}(^{40}\text{Ar}, 3n+p)^{146}\text{Eu}$ $\sigma(E)$					
12189	PAR Expt J ZP/A	282 65 77	1.5+2	2.0+2	Della-Negra+ TBL. CURV.

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
	$^{110}\text{Pd}(^{40}\text{Ar},5n)^{145}\text{Gd}$	$\sigma(E)=\text{factor}$		
12190 PAR Expt J ZP/A 282	65	77	1.5+2 2.1+2	Della-Negra+ CURV. 5N EMM. PROB.
Expt J ZP/A 282	65	77	1.5+2 2.1+2	Della-Negra+ CURV. SIG(5N)/SIG(4N) RATI
	$^{110}\text{Pd}(^{40}\text{Ar},5n)^{145}\text{Gd}$	$\sigma(E)$		
12191 PAR Expt J ZP/A 282	65	77	1.4+2 2.0+2	Della-Negra+ TBL. CURV.
	$^{110}\text{Pd}(^{40}\text{Ar},5n)^{145}\text{Gd}$	$\sigma(E)$		
12192 PAR Expt J ZP/A 282	65	77	1.4+2 2.1+2	Della-Negra+ TBL. CURV.
	$^{110}\text{Pd}(^{40}\text{Ar},5n)^{145}\text{Gd}$	cumulative $\sigma(E)$		
12193 PAR Expt J ZP/A 282	65	77	1.5+2 2.1+2	Della-Negra+ TBL. CURV.
	$^{110}\text{Pd}(^{40}\text{Ar},4n)^{146}\text{Gd}$	$\sigma(E)$		
12194 PAR Expt J ZP/A 282	65	77	1.4+2 2.1+2	Della-Negra+ TBL. CURV.
	$^{110}\text{Pd}(^{40}\text{Ar},4n)^{146}\text{Gd}$	$\sigma(E)=\text{factor}$		
12195 PAR Expt J ZP/A 282	65	77	1.5+2 2.1+2	Della-Negra+ CURV. SIG(5N)/SIG(4N) RATI
	$^{110}\text{Pd}(^{40}\text{Ar},3n)^{147}\text{Gd}$	$\sigma(E)$		
12196 PAR Expt J ZP/A 282	65	77	1.4+2 1.9+2	Della-Negra+ TBL. CURV.
	$^{110}\text{Pd}(^{40}\text{Ar},xn)\text{charge distribution}$	partial $\sigma(E)$		
12197 PAR Expt J ZP/A 282	65	77	1.4+2 2.4+2	Della-Negra+CURV.SUM OF RESIDUES.X=3-5.
	$^{110}\text{Pd}(^{40}\text{Ar},xn+p)\text{charge distribution}$	partial $\sigma(E)$		
12198 PAR Expt J ZP/A 282	65	77	1.4+2 2.4+2	Della-Negra+CURV.SUM OF RESIDUES.X=3,4.
	$^{110}\text{Pd}(^{40}\text{Ar},xn+\alpha)\text{charge distribution}$	partial $\sigma(E)$		
12199 PAR Expt J ZP/A 282	65	77	1.4+2 2.4+2	Della-Negra+CURV.SUM OF RESIDUES.X=3+5.
	$\text{Ag}(^{40}\text{Ar},x)$	$\sigma(E)$		
12200 PAR Revv J JPRC 37	57	N76	NDG	Lefort. EVAP. RES. DEP. ON Z1*Z2/(A1+A2
	$\text{Ag}(^{40}\text{Ar},x)\text{charge distribution}$	$\sigma(E)$		
12201 MRY Expt A DA/B 38	3191	178	1.7+2	Mathews. NDG.
Exth A DA/B 38	3191	178	1.7+2	Viola. NDG. VARIETY OF FEATURES.
	$\text{Ag}(^{40}\text{Ar},x)\text{charge distribution}$	v_n		
12202 PAR Revv J APH 3	5	78	3.4+2	Lefort+ CURV. Z=10-58. CAUVIN+
	$^{107}\text{Ag}(^{40}\text{Ar},x)$	compound-nucleus $\sigma(E)$		
12203 DUB Theo J YF 27	1191	578	1.0+2 2.6+2	Toneev+ CURV. NEW MODEL CFD EXPT.
Theo S JINR-P7-10452	77	1.0+2 2.6+2	Toneev+ CURV.	
Theo J SNP 27	631	78	1.0+2 2.6+2	TRANSLATION OF YF 27,1191
12204 PAR Revv C 74NASH 2	81	674	2.0+2 2.8+2	Lefort+ TBL. FUSION. 2 REFERENCES.
	$^{107}\text{Ag}(^{40}\text{Ar},x)$	partial $\sigma(E)$		
12205 ORL Revv C 74NASH 2	107	674	2.9+2	Plasit. 700MB. EVAPORATION RESIDUE.
	$^{107}\text{Ag}(^{40}\text{Ar},\text{fission})$	$\sigma(E)$		
12206 ORL Revv C 74NASH 2	107	674	2.9+2	Plasit. 600MB.
	$^{107}\text{Ag}(^{40}\text{Ar},\text{absorption})$	$\sigma(E)$		
12207 ORL Revv C 74NASH 2	107	674	2.9+2	Plasit. 1700MB.
	$^{109}\text{Ag}(^{40}\text{Ar},x)$	$\sigma(E)$		
12208 BRK Revv C 74NASH 2	1	674	2.7+1 4.1+2	Myers. CURV. SIG. FOR VARIOUS LIMITS
12209 PAR Revv J NIM 146	225	077	1.6+2 3.4+2	Peter. TBL. QUASI-FISSION. NP/A 255,472
Revv J RPP 39	129	76	1.4+2 2.1+2	Lefort. TBL. SUM OF EVAP. RES.
	$^{109}\text{Ag}(^{40}\text{Ar},x)$	partial $\sigma(E)$		
12210 ORL Revv C 74NASH 2	107	674	1.3+2 3.0+2	Plasit. CURV. CALC. EVAP. RESIDUES.
12211 BLN Theo J PL/B 88	43	079	1.4+2 3.9+2	Samaddar+ CURV. CLASSICAL DYNAMICAL MOD
12212 PAR Revv J JPRC 37	57	N76	2.0+2 2.9+2	Lefort. TBL. EVAP. REG.
	$^{109}\text{Ag}(^{40}\text{Ar},x)$	compound-nucleus $\sigma(E)$		
12213 BLN Theo J PL/B 88	43	079	1.4+2 3.9+2	Samaddar+ CURV. CLASSICAL DYNAMICAL MOD
12214 ROC Theo J PRL 40	1122	478	1.4+2 3.9+2	Birkelund+ CURV. FUSION. DYNAMICAL MOD.
12215 DUB Theo J IZV 41	1650	77	1.5+2 4.1+2	Afanasev+ CURV. BOUNDARY COND. MODEL.
Theo J BAS 41	98	78	1.5+2 4.1+2	TRANSLATION OF IZV 41(8), 1650(1977)

REFERENCES(cont)

No.	Lab	Work	Reference	E _{min}	E _{max}	Author, Comments
		Type		(MeV)	(MeV)	
$^{109}\text{Ag}(^{40}\text{Ar},x)$ compound-nucleus $\sigma(E)$						
12216	PAR	Rev J APH	3	5	78	2.0+2 Lefort+ TBL. FUS. COMP. EXP+CALC.
		Rev J NIM	146	225	077	1.6+2 3.4+2 Peter. TBL. NP/A 255, 472(1975)
		Rev J JPRC	37	57	N76	2.0+2 2.9+2 Lefort. TBL. FUSION.
		Rev J RPP	39	129	76	1.4+2 2.1+2 Lefort. TBL. SUM OF EVAP. RES. AND FIE
12217	ROC	Rev S BNL-51115	235	779	3.4+2	Huizenga+ TBL. CFD LCRIT.
		Rev S BNL-51115	235	779	1.5+2	4.6+2 Huizenga+ CURV. CFD EXPT AND MODEL
$^{109}\text{Ag}(^{40}\text{Ar},x)$ $\sigma(E)$ factor						
12218	PAR	Rev J NIM	146	225	077	1.6+2 3.4+2 Peter. TBL. QUASI-F/ABS. NP/A 255, 472
$^{109}\text{Ag}(^{40}\text{Ar},\text{fission})$ partial $\sigma(E)$						
12219	ORL	Rev C 74NASH	2	107	674	1.8+2 2.9+2 Plasii. CURV. FUNC. OF L-TRANSFER
$^{109}\text{Ag}(^{40}\text{Ar},\text{fission})$ $\sigma(E)$						
12220	BLN	Theo J PL/R	88	43	079	1.4+2 3.9+2 Samadder+ CURV. CLASSICAL DYNAMICAL MO.
12221	PAR	Rev J RPP	39	129	76	2.1+2 Lefort. TBL.
12222	PAR	Rev J JPRC	37	57	N76	2.9+2 Lefort. 0.650B.
$^{109}\text{Ag}(^{40}\text{Ar},\text{absorption})$ partial $\sigma(E)$						
12223	ORL	Rev C 74NASH	2	107	674	1.8+2 2.9+2 Plasii. CURV. FUNC. OF L-TRANSFER
$^{109}\text{Ag}(^{40}\text{Ar},\text{absorption})$ $\sigma(E)$						
12224	ORL	Rev C 74NASH	2	107	674	1.3+2 3.0+2 Plasii. CURV.
12225	DUB	Theo J IZV	41	1650	77	1.5+2 3.4+2 Afanasev+ CURV. BOUNDARY COND. MODEL.
		Theo J BAS	41	98	78	1.5+2 3.4+2 . TRANSLATION OF IZV 41(8), 1650(1977)
12226	PAR	Rev J NIM	146	225	077	1.6+2 3.4+2 Peter. TBL. NP/A 255, 472(1975).
$^{116}\text{Sn}(^{40}\text{Ar},x)$ compound-nucleus $\sigma(E)$						
12227	BRK	Expt J PRL	43	1490	N79	2.2+2 3.4+2 Delagrange+ CURV. FUS FRM EVAP RES
$^{116}\text{Sn}(^{40}\text{Ar},x)$ partial $\sigma(E)$						
12228	BRK	Expt J PRL	43	1490	N79	2.2+2 3.4+2 Delagrange+ CURV. EVAP. RESIDUE.
$^{116}\text{Sn}(^{40}\text{Ar},\text{fission})$ $\sigma(E)$						
12229	BRK	Expt J PRL	43	1490	N79	2.2+2 3.4+2 Delagrange+ CURV. INTAD
$^{116}\text{Sn}(^{40}\text{Ar},\text{absorption})$ $\sigma(E)$						
12230	PAR	Expt A 74NASH	1	109	674	5.9+1 1.2+2 Gauvin+ CURV. CALCULATED.
12231	PAR	Expt J PR/C	10	722	874	1.5+2 2.6+2 Gauvin+ CURV.
$^{116}\text{Sn}(^{40}\text{Ar},x)^1\text{H}$ $\sigma(E)$						
12232	BRK	Expt J PRL	43	1490	N79	2.2+2 3.4+2 Delagrange+ CURV. INTAD
$^{116}\text{Sn}(^{40}\text{Ar},x)^4\text{He}$ $\sigma(E)$						
12233	BRK	Expt J PRL	43	1490	N79	2.2+2 3.4+2 Delagrange+ CURV. INTAD
$^{116}\text{Sn}(^{40}\text{Ar},3n+p)^{152}\text{Ho}$ $\sigma(E)$						
12234	PAR	Expt A 74NASH	1	109	674	5.0+1 1.2+2 Gauvin+ NDG.
$^{116}\text{Sn}(^{40}\text{Ar},4n)^{152}\text{Er}$ $\sigma(E)$						
12235	PAR	Expt A 74NASH	1	109	674	5.0+1 1.2+2 Gauvin+ CURV.
12236	KFK	Comp B PH-DAT	15	2	079	1.6+2 2.0+2 Muenzel+ TBL. FROM EXFOR.
12237	PAR	Expt J PR/C	10	722	874	1.6+2 2.0+2 Gauvin+ CURV.
		Expt 4 EXFORB0036.008	77	1.6+2	2.0+2	. 9 POINTS. FROM PR/C 10, 732.
$^{116}\text{Sn}(^{40}\text{Ar},3n)^{153}\text{Er}$ $\sigma(E)$						
12238	PAR	Expt A 74NASH	1	109	674	4.9+1 1.2+2 Gauvin+ CURV.
12239	KFK	Comp B PH-DAT	15	P	079	1.5+2 1.9+2 Muenzel+ TBL. FROM EXFOR.
12240	PAR	Expt J PR/C	10	722	874	1.5+2 1.9+2 Gauvin+ CURV.
		Expt W TO KACHAPAG	576	1.5+2	1.9+2	Gauvin. LETTER.
		Expt 4 EXFORB0036.007	77	1.5+2	1.9+2	. 8 POINTS. FROM PR/C 10, 732.
$^{118}\text{Sn}(^{40}\text{Ar},x)$ compound-nucleus $\sigma(E)$ factor						
12241	NBI	Rev C 73TRIEST	1	295	973	2.0+2 Siemens. TBL. L(CRIT) FRM LEFORT COMPIL
$^{118}\text{Sn}(^{40}\text{Ar},\text{absorption})$ $\sigma(E)$						
12242	PAR	Expt A 74NASH	1	109	674	5.9+1 1.2+2 Gauvin+ CURV. CALCULATED.
12243	PAR	Expt J PR/C	10	722	874	1.5+2 2.6+2 Gauvin+ CURV.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
$^{118}\text{Sn}(^{40}\text{Ar}, \text{absorption}) \quad \sigma(E) \times \text{factor}$						
12244	PAR Revv J APH	3	5	78 5.5+1	1.2+2 Lefort+	CURV.
$^{118}\text{Sn}(^{40}\text{Ar}, 6n+p)^{151}\text{Ho} \quad \text{partial } \sigma(E)$						
12245	PAR Expt J NP/A	223	103	74 1.5+2	2.8+2 Gauvin+	CURV. HIGH+LOW SPIN ISOMERS.
	Expt 4 EXFORB0015.007	076		2.0+2	2.6+2	7 POINTS.
12246	KFK Comp B PH-DAT	15	1	079 2.0+2	2.6+2 Muenzel+	TBL. FROM EXFOR.
$^{118}\text{Sn}(^{40}\text{Ar}, 5n+p)^{152}\text{Ho} \quad \sigma(E)$						
12247	PAR Expt A 74NASH	1	109	674 5.0+1	1.2+2 Gauvin+	NDG.
$^{118}\text{Sn}(^{40}\text{Ar}, 5n+p)^{152}\text{Ho} \quad \text{partial } \sigma(E)$						
12248	PAR Expt J NP/A	223	103	74 1.5+2	2.8+2 Gauvin+	CURV. HIGH+LOW SPIN ISOMERS.
	Expt 4 EXFORB0015.006	076		1.7+2	2.5+2	9 POINTS.
12249	KFK Comp B PH-DAT	15	1	079 1.7+2	2.5+2 Muenzel+	TBL. FROM EXFOR.
$^{118}\text{Sn}(^{40}\text{Ar}, 6n)^{152}\text{Er} \quad \sigma(E)$						
12250	BRK Expt A BAP	24	14	179	NDG	Tot+ NDG. REMEASURED EARLIER WORK
12251	PAR Expt A BAP	24	14	179	NDG	Tot+ NDG. REMEASURED EARLIER WORK
12252	PAR Expt A 74NASH	1	109	674 6.9+1	1.2+2 Gauvin+	CURV.
12253	KFK Comp B PH-DAT	15	2	079 1.6+2	2.6+2 Muenzel+	TBL. FROM EXFOR.
	Comp B PH-DAT	15	1	079	NDG	Muenzel+ NDG. SEE VOLUME 2.
12254	PAR Expt J PR/C	10	722	874 1.6+2	2.6+2 Gauvin+	CURV.
	Expt W TO KACHAPAG		576	1.6+2	2.6+2 Gauvin.	LETTER. NUMERICAL DATA.
	Expt J NP/A	223	103	74 1.5+2	2.8+2 Gauvin+	CURV. MEAS. DLYD. A'S.
	Expt 4 EXFORB0036.010	77		1.6+2	2.6+2	15 POINTS. FROM PR/C 10, 732.
	Expt 4 EXFORB0015.003	076		NDG		NDG. SEE B0036.010.
$^{118}\text{Sn}(^{40}\text{Ar}, 5n)^{153}\text{Er} \quad \sigma(E)$						
12255	BRK Expt A BAP	24	14	179	NDG	Tot+ NDG. REMEASURED EARLIER WORK
12256	PAR Expt A BAP	24	15	179	NDG	Tot+ NDG. REMEASURED EARLIER WORK
12257	PAR Expt A 74NASH	1	109	674 5.9+1	1.2+2 Gauvin+	CURV.
12258	KFK Comp B PH-DAT	15	2	079 1.6+2	2.4+2 Muenzel+	TBL. FROM EXFOR.
	Comp B PH-DAT	15	1	079	NDG	Muenzel+ NDG. SEE VOLUME 2.
12259	PAR Expt J PR/C	10	722	874 1.6+2	2.4+2 Gauvin+	CURV.
	Revv J APH	3	5	78 1.5+2	2.3+2 Lefort+	CURV.
	Revv J JPRC	37	57	N76 1.5+2	2.3+2 Lefort.	CURV.
	Expt W TO KACHAPAG		576	1.6+2	2.4+2 Gauvin.	LETTER. NUMERICAL DATA.
	Revv C 74NASH	2	81	674 1.5+2	2.3+2 Lefort+	CURV.
	Expt J NP/A	223	103	74 1.5+2	2.8+2 Gauvin+	CURV. MEAS. DLYD. A'S.
	Expt 4 EXFORB0036.009	77		1.6+2	2.4+2	22 POINTS. FROM PR/C 10, 732.
	Expt 4 EXFORB0015.002	076		NDG		NDG. SEE B0036.009.
$^{118}\text{Sn}(^{40}\text{Ar}, 5n)^{153}\text{Er} \quad \sigma(E) \times \text{factor}$						
12260	PAR Revv J APH	3	5	78 5.5+1	1.2+2 Lefort+	CURV.
12261	PAR Revv J JPRC	37	57	N76 1.6+2	2.1+2 Lefort.	CURV.
	Exth J JPRL	36	289	075 1.6+2	2.4+2 Cabot+	CURV.
$^{118}\text{Sn}(^{40}\text{Ar}, 5n)^{153}\text{Er} \quad \text{relative } \sigma(E)$						
12262	PAR Revv J JPRC	37	57	N76 1.6+2	2.3+2 Lefort.	CURV.
$^{122}\text{Sn}(^{40}\text{Ar}, x) \quad \text{compound-nucleus average } v$						
12263	NBI Expt P CEA-N-2026	181	977	NDG		Back+ NDG. AVE. G-MULT. OF CN DECAY.
$^{124}\text{Sn}(^{40}\text{Ar}, x) \quad \text{compound-nucleus average } v$						
12264	NBI Expt P CEA-N-2026	181	977	NDG		Back+ NDG. AVE. G-MULT. OF CN DECAY.
$\text{Sb}(^{40}\text{Ar}, x) \quad \text{compound-nucleus } \sigma(E)$						
12265	NBI Revv C 73TRIEST	1	295	973 1.4+2	3.0+2 Siemens.	CURV. FRM LEFORT'S GROUP.
12266	PAR Revv J JPRC	37	57	N76 1.5+2	3.5+2 Lefort.	CURV. SUM OF EVAP. RES. + FISS.
$\text{Sb}(^{40}\text{Ar}, x) \quad \sigma(E)$						
12267	PAR Revv J JPRC	37	57	N76	NDG	Lefort. EVAP. RES. DEP. ON $Z1+Z2/(A1+A2)$
$\text{Sb}(^{40}\text{Ar}, x) \quad \text{partial } \sigma(E)$						
12268	PAR Revv J JPRC	37	57	N76 1.5+2	3.5+2 Lefort.	CURV. EVAPORATION RESIDUE.
$\text{Sb}(^{40}\text{Ar}, \text{fission}) \quad \sigma(E)$						
12269	PAR Revv J JPRC	37	57	N76 1.5+2	3.5+2 Lefort.	CURV.
12270	NBI Revv C 73TRIEST	1	295	973 1.6+2	3.0+2 Siemens.	CURV. FRM LEFORT'S GROUP.

REFERENCES(cont.)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
Sb(⁴⁰Ar,absorption) $\sigma(E)$					
12271	NBI Revv C	73TRIST 1	295 973	1.4+2 3.0+2	Siemens. CURV. FRM LEFORT'S GROUP.
12272	PAR Revv J	JPRC 37	57 N76	1.5+2 3.5+2	Lefort. CURV.
Sb(⁴⁰Ar,total) $\sigma(E)$					
12273	NBI Revv C	73TRIST 1	295 973	1.4+2 3.0+2	Siemens. CURV. FRM LEFORT'S GROUP.
¹²¹Sb(⁴⁰Ar,x) compound-nucleus $\sigma(E)$					
12274	PAR Revv J	APH 3	5 78	1.6+2 6.7+2	Lefort+ CURV. FUSION. CFD THEORY TO EXP
	Revv J	APH 3	5 78	2.0+2 2.3+2	Lefort+ TBL. FUS. COMP. EXP+CALC.
	Revv J	JPRC 37	57 N76	2.0+2 3.0+2	Lefort. TBL. SUM OF EVAP. + FISS.
	Revv J	JPRC 37	57 N76	1.5+2 6.7+2	Lefort. CURV.
	Revv J	RPP 39	129 76	1.5+2 2.2+2	Lefort. TBL. SUM OF EVAP. RES. AND FISS
	Revv C	74NASH 2	81 674	2.0+2 3.0+2	Lefort+ TBL. MANY REFERENCES.
12275	ROC Revv S	BNL-51115	235 779	3.0+2	Huizenga+ TBL. CFD LCRT.
¹²¹Sb(⁴⁰Ar,x) compound-nucleus $\sigma(E)$ x factor					
12276	PAR Revv C	74NASH 2	81 674	1.7+2 3.3+2	Lefort+ CURV. COMPARISON OF L-CRITICAL.
12277	NBI Revv C	73TRIST 1	295 973	2.0+2 3.0+2	Siemens. TBL. L(CRIT) FRM LEFORT COMPI
¹²¹Sb(⁴⁰Ar,x) $\sigma(E)$					
12278	PAR Revv J	RPP 39	129 76	1.5+2 2.2+2	Lefort. TBL. SUM OF EVAP. RES.
¹²¹Sb(⁴⁰Ar,x) partial $\sigma(E)$					
12279	PAR Revv J	JPRC 37	57 N76	2.0+2 3.0+2	Lefort. TBL. EVAP. RES.
¹²¹Sb(⁴⁰Ar,fission) $\sigma(E)$					
12280	PAR Revv J	JPRC 37	57 N76	2.0+2 3.0+2	Lefort. TBL.
	Revv J	RPP 39	129 76	1.5+2 2.2+2	Lefort. TBL.
¹²¹Sb(⁴⁰Ar,absorption) $\sigma(E)$ x factor					
12281	PAR Revv C	74NASH 2	81 674	1.7+2 3.3+2	Lefort+ CURV. COMPARISON OF L-CRITICAL.
¹²¹Sb(⁴⁰Ar,8n+2p)¹⁵¹Ho partial $\sigma(E)$					
12282	PAR Expt J	NP/A 223	103 74	1.5+2 2.8+2	Gauvin+ CURV. HIGH+LOW SPIN ISOMERS.
	Expt 4	EXFORB0015.011	076	2.3+2 2.9+2	. 5 POINTS.
12283	KFK Comp B	PH-DAT 15	1 079	2.3+2 2.9+2	Muenzel+ TBL. FROM EXFOR.
¹²¹Sb(⁴⁰Ar,7n+2p)¹⁵²Ho partial $\sigma(E)$					
12284	PAR Expt J	NP/A 223	103 74	1.5+2 2.8+2	Gauvin+ CURV. HIGH+LOW SPIN ISOMERS.
	Expt 4	EXFORB0015.010	076	2.3+2 2.9+2	. 6 POINTS.
12285	KFK Comp B	PH-DAT 15	1 079	2.3+2 2.9+2	Muenzel+ TBL. FROM EXFOR.
¹²¹Sb(⁴⁰Ar,8n+p)¹⁵²Er $\sigma(E)$					
12286	KFK Comp B	PH-DAT 15	1 079	2.4+2 2.9+2	Muenzel+ TBL. FROM EXFOR.
12287	PAR Expt J	NP/A 223	103 74	2.4+2 2.9+2	Gauvin+ CURV. MEASURED DELAYED ALPHAS.
	Expt 4	EXFORB0015.009	076	2.4+2 2.9+2	. 5 POINTS.
¹²¹Sb(⁴⁰Ar,7n+p)¹⁵³Er $\sigma(E)$					
12288	PAR Expt J	NP/A 223	103 74	1.5+2 2.8+2	Gauvin+ CURV. MEAS. DLYD. A'S.
	Expt 4	EXFORB0015.008	076	2.3+2 2.9+2	. 5 POINTS.
12289	KFK Comp B	PH-DAT 15	1 079	2.3+2 2.9+2	Muenzel+ TBL. FROM EXFOR.
¹²¹Sb(⁴⁰Ar,8n)¹⁵³Ta $\sigma(E)$					
12290	PAR Expt J	NP/A 223	103 74	1.5+2 2.8+2	Gauvin+ CURV. MEAS. DLYD. A'S.
	Expt 4	EXFORB0015.005	076	2.3+2 2.5+2	. 3 POINTS.
12291	KFK Comp B	PH-DAT 15	1 079	2.3+2 2.5+2	Muenzel+ TBL. FROM EXFOR.
¹²¹Sb(⁴⁰Ar,7n)¹⁵⁴Tm partial $\sigma(E)$					
12292	PAR Expt J	NP/A 223	103 74	1.5+2 2.8+2	Gauvin+ CURV. HIGH SPIN ISOMER.
	Expt 4	EXFORB0015.004	076	2.0+2 2.5+2	. 4 POINTS.
12293	KFK Comp B	PH-DAT 15	1 079	2.0+2 2.5+2	Muenzel+ TBL. FROM EXFOR.
¹²⁶Te(⁴⁰Ar,6n)¹⁶⁰Yb $\sigma(E)$					
12294	BRK Expt J	NP/A 290	253 077	1.8+2	Simon+ TBL. FRM DISCRETE + CONT. G-SPEC
¹²⁶Te(⁴⁰Ar,6n)¹⁶⁰Yb average v_y					
12295	BRK Expt J	NP/A 290	253 077	1.8+2	Simon+ TBL. AVE. G MULT.
¹²⁶Te(⁴⁰Ar,5n)¹⁶¹Yb $\sigma(E)$					
12296	BRK Expt J	NP/A 290	253 077	1.6+2 1.8+2	Simon+ TBL. FRM DISCRETE + CONT. G-SPEC

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{126}\text{Te}(^{40}\text{Ar}, 5n)^{161}\text{Yb}$	average ν_γ			
12297 BRK Expt J NP/A	290 253 077	1.6+2	1.8+2	Simon+ TBL. AVE. G MULT.
$^{126}\text{Te}(^{40}\text{Ar}, 4n)^{162}\text{Yb}$	$\sigma(E)$			
12298 BRK Expt J NP/A	290 253 077	1.6+2	1.8+2	Simon+ TBL. FRM DISCRETE + CONT. G-SPEC
$^{126}\text{Te}(^{40}\text{Ar}, 4n)^{162}\text{Yb}$	average ν_γ			
12299 BRK Expt J NP/A	290 253 077	1.6+2	1.8+2	Simon+ TBL. AVE. G MULT.
$^{126}\text{Te}(^{40}\text{Ar}, 3n)^{163}\text{Yb}$	$\sigma(E)$			
12300 BRK Expt J NP/A	290 253 077	1.6+2	1.8+2	Simon+ TBL. FRM DISCRETE + CONT. G-SPEC
$^{126}\text{Te}(^{40}\text{Ar}, 3n)^{163}\text{Yb}$	average ν_γ			
12301 BRK Expt J NP/A	290 253 077	1.6+2	1.8+2	Simon+ TBL. AVE. G MULT.
$^{130}\text{Te}(^{40}\text{Ar}, 7n)^{163}\text{Yb}$	$\sigma(E)$			
12302 BRK Expt J NP/A	290 253 077	1.8+2		Simon+ TBL. FRM DISCRETE + CONT. G-SPEC
$^{130}\text{Te}(^{40}\text{Ar}, 7n)^{163}\text{Yb}$	average ν_γ			
12303 BRK Expt J NP/A	290 253 077	1.8+2		Simon+ TBL. AVE. G MULT.
$^{130}\text{Te}(^{40}\text{Ar}, 6n)^{164}\text{Yb}$	$\sigma(E)$			
12304 BRK Expt J NP/A	290 253 077	1.8+2		Simon+ TBL. FRM DISCRETE + CONT. G-SPEC
$^{130}\text{Te}(^{40}\text{Ar}, 6n)^{164}\text{Yb}$	average ν_γ			
12305 BRK Expt J NP/A	290 253 077	1.8+2		Simon+ TBL. AVE. G MULT.
$^{130}\text{Te}(^{40}\text{Ar}, 5n)^{165}\text{Yb}$	$\sigma(E)$			
12306 BRK Expt J NP/A	290 253 077	1.8+2		Simon+ TBL. FRM DISCRETE + CONT. G-SPEC
$^{130}\text{Te}(^{40}\text{Ar}, 5n)^{165}\text{Yb}$	average ν_γ			
12307 BRK Expt J NP/A	290 253 077	1.8+2		Simon+ TBL. AVE. G MULT.
$^{130}\text{Te}(^{40}\text{Ar}, 5n)^{165}\text{Yb}$	partial relative $\sigma(E)$			
12308 ORL Expt J PR/C	17 601 278	1.5+2		Sarantites+ TBL. CURV. FOR 9 STATES.
$^{130}\text{Te}(^{40}\text{Ar}, 5n)^{165}\text{Yb}$	partial average ν_γ			
12309 ORL Expt J PR/C	17 601 278	1.5+2		Sarantites+ TBL. CURV. FOR 9 STATES.
$^{130}\text{Te}(^{40}\text{Ar}, 4n)^{166}\text{Yb}$	$\sigma(E)$			
12310 BRK Expt J NP/A	290 253 077	1.8+2		Simon+ TBL. FRM DISCRETE + CONT. G-SPEC
$^{130}\text{Te}(^{40}\text{Ar}, 4n)^{166}\text{Yb}$	average ν_γ			
12311 BRK Expt J NP/A	290 253 077	1.8+2		Simon+ TBL. AVE. G MULT.
$^{130}\text{Te}(^{40}\text{Ar}, 4n)^{166}\text{Yb}$	partial relative $\sigma(E)$			
12312 ORL Expt J PR/C	17 601 278	1.5+2		Sarantites+ TBL. CURV. FOR 10 STATES.
$^{130}\text{Te}(^{40}\text{Ar}, 4n)^{166}\text{Yb}$	partial average ν_γ			
12313 ORL Expt J PR/C	17 601 278	1.5+2		Sarantites+ TBL. CURV. FOR 10 STATES.
$^{130}\text{Te}(^{40}\text{Ar}, 3n)^{167}\text{Yb}$	partial relative $\sigma(E)$			
12314 ORL Expt J PR/C	17 601 278	1.5+2		Sarantites+ TBL. CURV. FOR 4 STATES.
$^{130}\text{Te}(^{40}\text{Ar}, 3n)^{167}\text{Yb}$	partial average ν_γ			
12315 ORL Expt J PR/C	17 601 278	1.5+2		Sarantites+ TBL. CURV. FOR 4 STATES.
$^{130}\text{Te}(^{40}\text{Ar}, xn)$	isotopic distribution $\sigma(E)$			
12316 ORL Expt P ORNL-5306	46 677	1.6+2		Sarantites+ CURV. X=2-9.
$^{130}\text{Te}(^{40}\text{Ar}, xn)$	isotopic distribution compound-nucleus ν_γ			
12317 ORL Expt P ORNL-5306	46 677	1.6+2		Sarantites+ CURV. X=2-9. MULTIPLICITIES.
$^{130}\text{Te}(^{40}\text{Ar}, xn)$	isotopic distribution ν_γ			
12318 PAR Rev J APH	3 5 78	1.5+2		Lefort+ CURV. X=3-5.
$^{127}\text{I}(^{40}\text{Ar}, 12n+2p)^{153}\text{Tm}$	$\sigma(E)$			
12319 PAR Expt J NP/A	223 103 74	1.5+2	2.8+2	Gauvin+ CURV. MEASURED DLYD A'S.
Expt 4 EXFORB0015.013	076	2.7+2	3.0+2	. 3 POINTS.
12320 KFK Comp B PH-DAT	15 1 079	2.7+2	3.0+2	Muenzel+ TBL. FROM EXFOR.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
		$^{127}\text{I}({}^{40}\text{Ar}, \text{lin}+2\text{p})^{154}\text{Tm}$	partial	$\sigma(\text{E})$		
12321	PAR Expt J NP/A 223	103 74	1.5+2	2.8+2	Gauvin+	CURV. MEASURED DLYD A'S.
	Expt 4 EXFORB0015.012	076	2.6+2	3.0+2	. 4	POINTS.
12322	KFK Comp B PH-DAT 15	1 079	2.6+2	3.0+2	Muenzel+	TBL. FROM EXFOR.
		$^{127}\text{I}({}^{40}\text{Ar}, \text{lin}+2\text{p})^{155}\text{Yb}$	$\sigma(\text{E})$			
12323	PAR Expt J NP/A 223	103 74	1.5+2	2.8+2	Gauvin+	CURV. ESTIMATED.
		$^{127}\text{I}({}^{40}\text{Ar}, \text{lin}+2\text{p})^{156}\text{Yb}$	$\sigma(\text{E})$			
12324	PAR Expt J NP/A 223	103 74	1.5+2	2.8+2	Gauvin+	CURV. ESTIMATED.
		$^{127}\text{I}({}^{40}\text{Ar}, \text{lin})^{156}\text{Lu}$	$\sigma(\text{E})$			
12325	PAR Expt J NP/A 223	103 74	1.5+2	2.8+2	Gauvin+	CURV. ESTIMATED.
		$^{144}\text{Sm}({}^{40}\text{Ar}, \text{x})$	partial	$\sigma(\text{E})$		
12326	GS1 Expt P ORNL-5498	65 679	1.4+2	1.8+2	Stokstead+	CURV. SUB-COULOMB FUSION.
		$^{144}\text{Sm}({}^{40}\text{Ar}, \text{fission})$	$\sigma(\text{E})$			
12327	GS1 Expt P ORNL-5498	65 679	1.8+2	1.8+2	Stokstead+	(260+-20)MB.
		$^{148}\text{Sm}({}^{40}\text{Ar}, \text{x})$	partial	$\sigma(\text{E})$		
12328	GS1 Expt P ORNL-5498	65 679	1.4+2	1.8+2	Stokstead+	CURV. SUB-COULOMB FUSION.
		$^{148}\text{Sm}({}^{40}\text{Ar}, \text{fission})$	$\sigma(\text{E})$			
12329	GS1 Expt P ORNL-5498	65 679	1.8+2	1.8+2	Stokstead+	NDG.
		$^{154}\text{Sm}({}^{40}\text{Ar}, \text{x})$	compound-nucleus	$\sigma(\text{E})$		
12330	BRK Expt J PRL 43	1490 N79	2.2+2	3.4+2	Delagrange+	CURV. FUS FRM EVAP RES
		$^{154}\text{Sm}({}^{40}\text{Ar}, \text{x})$	partial	$\sigma(\text{E})$		
12331	GS1 Expt P ORNL-5498	65 679	1.5+2	1.8+2	Stokstead+	CURV. SUB-COULOMB FUSION.
12332	BRK Expt J PRL 43	1490 N79	2.2+2	3.4+2	Delagrange+	CURV. EVAP. RESIDUE.
		$^{154}\text{Sm}({}^{40}\text{Ar}, \text{fission})$	$\sigma(\text{E})$			
12333	GS1 Expt P ORNL-5498	65 679	1.8+2	1.8+2	Stokstead+	(240+-20)MB.
12334	BRK Expt J PRL 43	1490 N79	2.2+2	3.4+2	Delagrange+	CURV. INTAD.
		$^{154}\text{Sm}({}^{40}\text{Ar}, \text{x})^{11}\text{H}$	$\sigma(\text{E})$			
12335	BRK Expt J PRL 43	1490 N79	2.2+2	3.4+2	Delagrange+	CURV. INTAD.
		$^{154}\text{Sm}({}^{40}\text{Ar}, \text{x})^{4}\text{He}$	$\sigma(\text{E})$			
12336	BRK Expt J PRL 43	1490 N79	2.2+2	3.4+2	Delagrange+	CURV. INTAD.
		$\text{Dy}({}^{40}\text{Ar}, \text{x})$	$\sigma(\text{E})$			
12337	PAR Rev J JPRC 37	57 N76	NDG		Lefort.	EVAP. RES. DEP. ON $Z_1^2 Z_2^2 / (A_1 + A_2)$
		$^{160}\text{Dy}({}^{40}\text{Ar}, \text{xn})$	isotopic distribution	$\sigma(\text{E})$		
12338	BRK Expt J PR/C 14	1038 976	1.5+2	2.2+2	Le-Beyec+	CURV. X=3-6.
		$^{164}\text{Dy}({}^{40}\text{Ar}, \text{x})$	compound-nucleus	$\sigma(\text{E})$		
12339	BRK Expt J PRL 43	1490 N79	2.2+2	3.4+2	Delagrange+	CURV. FUS FRM EVAP RES
		$^{164}\text{Dy}({}^{40}\text{Ar}, \text{x})$	partial	$\sigma(\text{E})$		
12340	BRK Expt J PRL 43	1490 N79	2.2+2	3.4+2	Delagrange+	CURV. EVAP. RESIDUE.
		$^{164}\text{Dy}({}^{40}\text{Ar}, \text{fission})$	$\sigma(\text{E})$			
12341	BRK Expt J PRL 43	1490 N79	2.2+2	3.4+2	Delagrange+	CURV. INTAD.
		$^{164}\text{Dy}({}^{40}\text{Ar}, \text{x})^{11}\text{H}$	$\sigma(\text{E})$			
12342	BRK Expt J PRL 43	1490 N79	2.2+2	3.4+2	Delagrange+	CURV. INTAD.
		$^{164}\text{Dy}({}^{40}\text{Ar}, \text{x})^{4}\text{He}$	$\sigma(\text{E})$			
12343	BRK Expt J PRL 43	1490 N79	2.2+2	3.4+2	Delagrange+	CURV. INTAD.
		$^{164}\text{Dy}({}^{40}\text{Ar}, \gamma)^{204}\text{Po}$	$\sigma(\text{E})$			
12344	PAR Exth P CEA-N-2026	158 977	1.6+2	2.2+2	Lagarde+	CURV. ALICE CFD TO EXP
		$^{164}\text{Dy}({}^{40}\text{Ar}, \text{xn})$	isotopic distribution	$\sigma(\text{E})$		
12345	BRK Expt J PR/C 14	1038 976	1.6+2	2.6+2	Le-Beyec+	CURV. X=4-9.
12346	PAR Exth P CEA-N-2026	158 977	1.6+2	2.8+2	Lagarde+	CURV. X = 2-9.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments
	$^{165}\text{Ho}(^{40}\text{Ar},x)$	compound-nucleus $\sigma(E)$			
12347	PAR Rev J JPRC	37 57 N76	2.3+2	3.0+2	Lefort. TBL. FUS.=SUM OF EVAP. + FISS.
	Rev J RPP	39 129 76	1.8+2	2.4+2	Lefort. TBL. SUM OF EVAP. RES. AND FISS.
	Rev C 74NASH	2 81 674	2.2+2		Lefort+ TBL. FUSION. 2 REFERENCES.
12348	ROC Rev S BNL-51115	235 779	3.0+2		Huizenga+ TBL. CFD LCRIT.
	$^{165}\text{Ho}(^{40}\text{Ar},x)$	compound-nucleus $\sigma(E)$ x factor			
12349	PAR Rev C 74NASH	2 81 674	1.7+2	3.7+2	Lefort+ CURV. COMPARISON OF L-CRITICAL.
12350	NBI Rev C 73TRIEST	1 295 973	2.3+2	3.0+2	Siemens. TBL. L(CRIT) FRM LEFORT COMPIL.
	$^{165}\text{Ho}(^{40}\text{Ar},x)$	partial $\sigma(E)$			
12351	PAR Rev J JPRC	37 57 N76	3.0+2		Lefort. EVAP. RES. .LT. 0.010B.
	$^{165}\text{Ho}(^{40}\text{Ar},\text{fission})$	$\sigma(E)$			
12352	PAR Rev J JPRC	37 57 N76	2.3+2	3.0+2	Lefort. TBL.
	Rev J RPP	39 129 76	1.8+2	2.4+2	Lefort. TBL.
	$^{165}\text{Ho}(^{40}\text{Ar},\text{absorption})$	$\sigma(E)$ x factor			
12353	PAR Rev C 74NASH	2 81 674	1.7+2	3.7+2	Lefort+ CURV. COMPARISON OF L-CRITICAL.
	$^{174}\text{Yb}(^{40}\text{Ar},x)$	isotopic distribution $\sigma(E)$			
12354	BRK Expl J PR/C	14 1038 976	1.6+2	2.4+2	Le-Beyec+ CURV. 207-211RA + 205-211FR.
	$^{181}\text{Ta}(^{40}\text{Ar},x)$	isotopic distribution $\sigma(E)$			
12355	DUB Rev C 74NASH	2 459 674	NDG		Flerov. CURV. A=189-194. Z=79.
	$^{197}\text{Au}(^{40}\text{Ar},x)$	$\sigma(E)$			
12356	PAR Rev J NIM	146 225 077	2.2+2	3.4+2	Peter. TBL. QUASI-FISSION. 2 REFERENCES
	$^{197}\text{Au}(^{40}\text{Ar},x)$	compound-nucleus $\sigma(E)$			
12357	BRK Expl J PRL	43 1490 N79	2.2+2	3.4+2	Delagrang+ CURV. FUS FRM EVAP RES
12358	PAR Rev J APH	3 5 78	2.2+2	2.5+2	Lefort+ TBL. FUS. COMP. EXP+CALC.
	Rev J APH	3 5 78	2.0+2	2.5+2	Lefort+ CURV. COMPLETE FUSION. 2 REF.
	Rev J NIM	146 225 077	2.2+2	3.4+2	Peter. TBL. 2 REFERENCES.
	$^{197}\text{Au}(^{40}\text{Ar},x)$	$\sigma(E)$ x factor			
12359	PAR Rev J NIM	146 225 077	2.2+2	3.4+2	Peter. TBL. QUASI-F/ABS. 2 REFERENCES.
	$^{197}\text{Au}(^{40}\text{Ar},x)$	partial $\sigma(E)$			
12360	PAR Rev J APH	3 5 78	2.0+2	2.5+2	Lefort+ CURV. DEEP INELASTIC. 2 REF.
12361	BRK Expl J PRL	43 1490 N79	2.2+2	3.4+2	Delagrang+ CURV. EVAP. RESIDUE.
	$^{197}\text{Au}(^{40}\text{Ar},\text{fission})$	$\sigma(E)$			
12362	BRK Expl J PRL	43 1490 N79	2.2+2	3.4+2	Delagrang+ CURV. INTAD.
	$^{197}\text{Au}(^{40}\text{Ar},\text{absorption})$	$\sigma(E)$			
12363	PAR Rev J APH	3 5 78	2.0+2	2.5+2	Lefort+ CURV. FROM 2 REFERENCES
	Rev J NIM	146 225 077	2.2+2	3.4+2	Peter. TBL. 2 REFERENCES.
	$^{197}\text{Au}(^{40}\text{Ar},x)^{1}\text{H}$	$\sigma(E)$			
12364	BRK Expl J PRL	43 1490 N79	2.2+2	3.4+2	Delagrang+ CURV. INTAD.
	$^{197}\text{Au}(^{40}\text{Ar},x)^{4}\text{He}$	$\sigma(E)$			
12365	BRK Expl J PRL	43 1490 N79	2.2+2	3.4+2	Delagrang+ CURV. INTAD.
	$^{197}\text{Au}(^{40}\text{Ar},x)$	charge distribution independent $\sigma(E)$			
12366	DUB Expl J YF	27 29 178	2.2+2		Arlukh+ TELESCOPE.
	Expl J SNP	27 14 178	2.2+2		. TRNASLATION OF YF 27(1), 29(1978).
	Expl R JINR-E7-10464	277 2.2+2			. TRANSLATION+EXPERIMENTAL DETAILS.
	Expl 4 EXFORA0023.002	379 2.2+2			. 24 DATA POINTS. Z=11-17,19-30.
	$^{197}\text{Au}(^{40}\text{Ar},x)$	charge distribution independent $\sigma(E; \theta)$			
12367	DUB Expl J YF	27 29 178	2.2+2		Arlukh+ TELESCOPE.
	Expl J SNP	27 14 178	2.2+2		. TRNASLATION OF YF 27(1), 29(1978).
	Expl R JINR-E7-10464	277 2.2+2			. TRANSLATION+EXPERIMENTAL DETAILS.
	Expl 4 EXFORA0023.003	379 2.2+2			. 143 DATA POINTS. 8 ANGLES.
	$^{197}\text{Au}(^{40}\text{Ar},x)$	charge distribution independent $\sigma(E; \theta)$			
12368	DUB Expl J YF	27 29 178	2.2+2		Arlukh+ TELESCOPE.
	Expl J SNP	27 14 178	2.2+2		. TRNASLATION OF YF 27(1), 29(1978).
	Expl R JINR-E7-10464	277 2.2+2			. TRANSLATION+EXPERIMENTAL DETAILS.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{197}\text{Au}(^{40}\text{Ar}, x)$ charge distribution independent $\sigma(E; E')$				
12368 DUB Expt 4	EXFORA0023.004	379	2.2+2	. 257 DATA POINTS. 16 ES. 5 ANG.
$^{197}\text{Au}(^{40}\text{Ar}, x)$ charge distribution independent average kinetic energy($E; E'$)				
12369 DUB Expt J YF	27	29	178	2.2+2 Artukh+ TELESCOPE.
Expt J SNP	27	14	178	2.2+2 . TRNASLATION OF YF 27(1), 29(1978).
Expt R JINR-E7-10464	277	2.2+2		. TRANSLATION+EXPERIMENTAL DETAILS.
Expt 4 EXFORA0023.005	379	2.2+2		. 95 DATA POINTS. 5 ANGLES.
$^{197}\text{Au}(^{40}\text{Ar}, x)$ mass distribution chain $\sigma(E)$				
12370 BRK Expt A DA/B	39	740	878	NDG Binder. NDG. FROM ISOTOPIC DIST.
$^{197}\text{Au}(^{40}\text{Ar}, x)$ isotopic distribution $\sigma(E)$				
12371 BRK Expt A DA/B	39	740	878	NDG Binder. NDG. RADIOCHEMISTRY
$^{205}\text{Tl}(^{40}\text{Ar}, x)^{211}\text{At}$ $\sigma(E)$				
12372 PAR Expt J PR/C	18	1298	978	2.0+2 2.8+2 Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
Expt P IPNO-RC-77	10	77	2.0+2 2.8+2	Gardes+ TBL. CURV. RESIDUAL ACTIVITY.
$^{205}\text{Tl}(^{40}\text{Ar}, x)^{211}\text{Rn}$ $\sigma(E)$				
12373 PAR Expt J PR/C	18	1298	978	2.4+2 2.8+2 Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
Expt P IPNO-RC-77	10	77	2.4+2 2.8+2	Gardes+ TBL. CURV. RESIDUAL ACTIVITY.
$^{208}\text{Pb}(^{40}\text{Ar}, x)^{212}\text{Bi}$ product yield				
12374 BRK Expt P DOE-NDC-15	88	479	NDG	Baisden+ NDG. POSSIBLE 9-MIN ISOMER.
$^{209}\text{Bi}(^{40}\text{Ar}, x)$ compound-nucleus $\sigma(E)$ factor				
12375 NBI Revv C 73TRIEST 1	295	973	2.5+2	Siemens. TBL. L(CRIT) FRM LEFORT COMPIL
$^{209}\text{Bi}(^{40}\text{Ar}, x)$ compound-nucleus $\sigma(E)$				
12376 PAR Revv J RPP	39	129	76	2.1+2 Lefort. TBL. SUM OF EVAP. RES. AND FISS
$^{209}\text{Bi}(^{40}\text{Ar}, ^{42}\text{Ca})^{207}\text{Tl}$ partial $\sigma(E)$				
12377 PAR Theo J ZP/A	290	157	79	1.5+2 1.7+2 Bimbot+ CURV. SUBCOUL. TRANSFER CFD EXP
$^{209}\text{Bi}(^{40}\text{Ar}, ^{41}\text{K})^{208}\text{Pb}$ partial $\sigma(E)$				
12378 PAR Theo J ZP/A	290	157	79	1.5+2 1.7+2 Bimbot+ CURV. SUBCOUL. TRANSFER CFD EXP
$^{209}\text{Bi}(^{40}\text{Ar}, x)^{210}\text{Po}$ cumulative $\sigma(E)$				
12379 PAR Expt J PR/C	18	1298	978	1.8+2 2.9+2 Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
$^{209}\text{Bi}(^{40}\text{Ar}, x)^{210}\text{Po}$ independent $\sigma(E)$				
12380 PAR Exth T D. GARDES		076	1.8+2 3.0+2	Gardes. TBL. CURV. ACTIVATION.
$^{209}\text{Bi}(^{40}\text{Ar}, x)^{210}\text{Po}$ $\sigma(E)$				
12381 PAR Expt J PR/C	18	1298	978	1.8+2 2.9+2 Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
$^{209}\text{Bi}(^{40}\text{Ar}, x)^{207}\text{At}$ $\sigma(E)$				
12382 PAR Expt J PR/C	18	1298	978	2.1+2 2.9+2 Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
Expt P IPNO-RC-77	10	77	2.1+2 2.9+2	Gardes+ TBL. CURV. RESIDUAL ACTIVITY.
$^{209}\text{Bi}(^{40}\text{Ar}, x)^{208}\text{At}$ $\sigma(E)$				
12383 PAR Expt J PR/C	18	1298	978	2.1+2 2.9+2 Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
Expt P IPNO-RC-77	10	77	2.2+2 2.9+2	Gardes+ TBL. CURV. RESIDUAL ACTIVITY.
$^{209}\text{Bi}(^{40}\text{Ar}, x)^{209}\text{At}$ $\sigma(E)$				
12384 PAR Expt J PR/C	18	1298	978	1.9+2 2.9+2 Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
Expt P IPNO-RC-77	10	77	1.9+2 2.9+2	Gardes+ TBL. CURV. RESIDUAL ACTIVITY.
$^{209}\text{Bi}(^{40}\text{Ar}, x)^{210}\text{At}$ $\sigma(E)$				
12385 PAR Expt J PR/C	18	1298	978	1.9+2 2.9+2 Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
Expt P IPNO-RC-77	10	77	1.9+2 2.9+2	Gardes+ TBL. CURV. RESIDUAL ACTIVITY.
$^{209}\text{Bi}(^{40}\text{Ar}, x)^{211}\text{At}$ cumulative $\sigma(E)$				
12386 KFK Comp B PH-DAT	15	1	079	1.9+2 2.7+2 Muenzel+ TBL. FROM EXFOR.
12387 PAR Expt J PR/C	4	2180	071	1.9+2 2.7+2 Bimbot+ TBL. CURV. ALSO RECOIL RANGE.
Expt 4 EXFORB0034.002	77	1.9+2 2.7+2		. 7 DATA POINTS.
$^{209}\text{Bi}(^{40}\text{Ar}, x)^{211}\text{At}$ $\sigma(E)$				
12388 PAR Expt J PR/C	18	1298	978	1.8+2 2.9+2 Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
Expt P IPNO-RC-77	10	77	1.8+2 2.9+2	Gardes+ TBL. CURV. RESIDUAL ACTIVITY.

REFERENCES(cont)

No. Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{209}\text{Bi}(^{40}\text{Ar},x)^{211}\text{Rn}$ $\sigma(E)$				
12389 PAR Expt J PR/C 18	1298 978	1.9+2	2.9+2	Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
Expt P IPNO-RC-77 10 77		1.9+2	2.9+2	Gardes+ TBL. CURV. RESIDUAL ACTIVITY.
$^{209}\text{Bi}(^{40}\text{Ar},x)\text{mess distribution}$ $\sigma(E)$				
12390 PAR Expt P IPNO-RC-77 10 77		1.8+2	2.9+2	Gardes+ TBL. A=210. RESIDUAL ACTIVITY.
$^{232}\text{Th}(^{40}\text{Ar},x)$ partial $\sigma(E)$				
12391 DUB Expt J YF 23	261 76	3.8+2		Artukh+ TBL. SUM Z=10-17. SUM Z=19-26.
Expt J NP/A 215	91 73	3.0+2	3.9+2	Artukh+ TBL. SUM Z=5-20.
Expt J SNP 23	136 276	3.8+2		TRANSLATION OF YF 23, 261.
$^{232}\text{Th}(^{40}\text{Ar},x)$ $\sigma(E)$				
12392 PAR Rev J NIM 146	225 077	3.0+2	3.9+2	Peter. TBL. QUASI-FISSION. NP/A 215, 91
$^{232}\text{Th}(^{40}\text{Ar},x)$ compound-nucleus $\sigma(E)$				
12393 PAR Rev J NIM 146	225 077	3.0+2	3.9+2	Peter. TBL. NP/A 215, 91(1973)
$^{232}\text{Th}(^{40}\text{Ar},x)$ $\sigma(E)\times\text{factor}$				
12394 PAR Rev J NIM 146	225 077	3.0+2	3.9+2	Peter. TBL. QUASI-F/ABS. NP/A 215, 91
$^{232}\text{Th}(^{40}\text{Ar},\text{absorption})$ $\sigma(E)$				
12395 PAR Rev J NIM 146	225 077	3.0+2	3.9+2	Peter. TBL. NP/A 215, 91(1973).
$^{232}\text{Th}(^{40}\text{Ar},x)\text{charge distribution}$ independent $\sigma(E;E';\theta)$				
12396 DUB Expt J NP/A 215	91 73	3.0+2	3.9+2	Artukh+ CURV. 20-60 DEG. 120-240 MEV.
Expt J YF 23	261 76	3.8+2		Artukh+CURV. NORMALIZED TO RUTHERFORD.
Expt J SNP 23	136 276	3.8+2		TRANSLATION OF YF 23, 261.
$^{232}\text{Th}(^{40}\text{Ar},x)\text{charge distribution}$ independent $\sigma(E)$				
12397 DUB Expt J NP/A 215	91 73	3.0+2	3.9+2	Artukh+ TBL. BY INTEGRATION. Z=5-20.
Expt J NP/A 215	91 73	3.0+2	3.9+2	Artukh+ TBL. BY EXTRAPOLATION.
Expt J YF 23	261 76	3.8+2		Artukh+ TBL. BY INTEGRATION. Z=10-26.
Expt J YF 23	261 76	3.8+2		Artukh+ TBL. BY EXTRAPOLATION TO 0-DEG.
Expt J SNP 23	136 276	3.8+2		TRANSLATION OF YF 23, 261.
Expt 4 EXFORA0015.003 379	3.8+2			21 DATA POINTS.
$^{232}\text{Th}(^{40}\text{Ar},x)\text{charge distribution}$ $\sigma(E)\times\text{factor}$				
12398 OXF Rev J NCR 1	1 78	3.9+2		Hodgson. CURV. Z=10-22. FUNC. DEFL. ANG
$^{232}\text{Th}(^{40}\text{Ar},x)\text{charge distribution}$ $\sigma(E)$				
12399 BRK Rev S BNL-51115	905 779	7.2+4		Scott. CURV. Z=8-17. CONF. SUMMARY.
$^{232}\text{Th}(^{40}\text{Ar},x)\text{isotopic distribution}$ raw $\sigma(E)$				
12400 MSU Rev S BNL-51115	1 779	3.0+2		Geibke. CURV. SULFUR. 18 DEG. 3 REF.
$^{232}\text{Th}(^{40}\text{Ar},x)\text{isotopic distribution}$ $\sigma(E)$				
12401 BRK Rev S BNL-51115	905 779	2.0+2	1.0+3	Scott. CURV. MG ISOTOPES. CONF. SUMMARY
$^{238}\text{U}(^{40}\text{Ar},x)$ compound-nucleus $\sigma(E)$				
12402 DUB Theo S JINR-P7-10452	77	1.8+2	2.7+2	Toneev+ CURV.
12403 PAR Rev J JPRC 37	57 N76	2.9+2	4.7+2	Lefort. TBL.
Rev J RPP 39	129 76	2.1+2	3.4+2	Lefort. TBL. SUM OF EVAP. RES. AND FISSION
Rev C 74NASH 2	81 674	2.5+2	4.0+2	Lefort+ TBL. 2 REFERENCES.
12404 ROC Rev S BNL-51115	235 779	3.0+2		Huizenga+ TBL. CFD LCRIT.
$^{238}\text{U}(^{40}\text{Ar},x)$ compound-nucleus $\sigma(E)\times\text{factor}$				
12405 NBI Rev C 73TRIEST 1	295 973	2.5+2	4.0+2	Siemens. TBL. L(CRIT) FRM LEFORT COMPIL
$^{238}\text{U}(^{40}\text{Ar},x)$ partial $\sigma(E)$				
12406 BRK Rev J ARN 27	139 77	2.0+2	2.9+2	Keller+ FUSION-FISSION=600MB.
$^{238}\text{U}(^{40}\text{Ar},\text{fission})$ $\sigma(E)$				
12407 PAR Rev J JPRC 37	57 N76	2.5+2	4.0+2	Lefort. TBL.
Rev J RPP 39	129 78	2.1+2	3.4+2	Lefort. TBL.
$^{238}\text{U}(^{40}\text{Ar},x)^{212}\text{Bi}$ product yield				
12408 BRK Expt P LBL-8151	37 678	NDG		Balsden+ NDG. POSSIBLE 25-MIN ISOMER.
$^{238}\text{U}(^{40}\text{Ar},x)^{212}\text{Po}$ product yield				
12409 BRK Expt P DOE-NDC-15	88 479	NDG		Balsden+ NDG. POSSIBLE 9-MIN ISOMER.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{238}\text{U}(^{40}\text{Ar},x)^{212\pm 2}\text{Bi}$ product yield					
12409	BRK Expt P LBL-8151	37 678 NDG			Baisden+ NDG. POSSIBLE 9-MIN ISOMER.
$^{238}\text{U}(^{40}\text{Ar},\text{inelastic})^{238}\text{U}$ partial relative $\sigma(E)_\gamma$					
12410	ORL Expt J PRL	40 1016 278	1.4+2	2.2+2	Guidry+ CURV. HIGH SPIN ST. IN CN1 REG.
$^{238}\text{U}(^{40}\text{Ar},x)$ mass distribution average $\sigma(E)$					
12411	YAL Revv C 74NASH	2 603 674	2.4+2		Bromley. CURV. A=36-240. AVE. OVER Z.
$^{238}\text{U}(^{40}\text{Ar},\text{fission})$ mass distribution $\sigma(E)$					
12412	DUB Revv C 74NASH	2 459 674 NDG			Fierov. CURV. A=100-240.
systematics($^{40}\text{Ar},x$) compound-nucleus $\sigma(E)$					
12413	PAR Revv C 74NASH	2 81 674	1.1+2	4.0+2	Lefort+ TBL. CURV. MANY REFERENCES.
	Expt J NP/A 223	103 74	1.5+2	2.8+2	Gauvin+ CURV. FROM 118SN,121SB,127I
systematics($^{40}\text{Ar},\text{fission})$ $\sigma(E)$					
12414	PAR Expt J NP/A 223	103 74	1.5+2	2.8+2	Gauvin+ CURV. FROM 118SN,121SB,127I
systematics($^{40}\text{Ar},\text{total})$ $\sigma(E)$					
12415	PAR Expt J NP/A 223	103 74	1.5+2	2.8+2	Gauvin+ CURV. FROM 118SN,121SB,127I
systematics($^{40}\text{Ar},x_n$) $\sigma(E)$					
12416	PAR Expt J NP/A 223	103 74	1.5+2	2.8+2	Gauvin+ CURV. FROM 118SN,121SB,127I
systematics($^{40}\text{Ar},x_n+p$) $\sigma(E)$					
12417	PAR Expt J NP/A 223	103 74	1.5+2	2.8+2	Gauvin+ CURV. FROM 118SN,121SB,127I
systematics($^{40}\text{Ar},x_n+2p$) $\sigma(E)$					
12418	PAR Expt J NP/A 223	103 74	1.5+2	2.8+2	Gauvin+ CURV. FROM 118SN,121SB,127I
systematics($^{40}\text{Ar},x_n+3p$) $\sigma(E)$					
12419	PAR Expt J NP/A 223	103 74	1.5+2	2.8+2	Gauvin+ CURV. FROM 118SN,121SB,127I
systematics($^{40}\text{Ar},x$) charge distribution $\sigma(E)$					
12420	BRK Theo A BAP	24 591 479 NDG			Mathews+ NDG. DIFFUSION MODEL.
$^{40}\text{Ca}(^{40}\text{Ca},x)$ compound-nucleus $\sigma(E)$					
12421	ANL Expt P ANL-79-40	43 79 NDG			Kovar+ NDG. DEDUCED BARRIER PARAMETERS.
12422	NBI Theo J PRL	40 707 378	1.0+2	2.0+2	Brogia+CURV.DAMPED SURFACE MODES. CFDEXP
12423	PAR Revv J APH	3 5 78	1.1+2	3.0+2	Lefort+ TBL. CURV. FUS. EXPT CFD CALC.
12424	SAC Theo J PR/C	17 1700 578	1.1+2	1.9+2	Bonche+ CURV. TDHF CFD. EXP.+ OPT.MOD.
	Revv S LYCEN-7902	379	1.1+2	2.0+2	Bonche. P. C.3.1. TDHF. FUS. CURV.
12425	UI Theo J PR/C	18 2567 078	1.1+2	2.0+2	Kreiger+ CURV. TDHF CALCULATIONS.
$^{40}\text{Ca}(^{40}\text{Ca},x)$ partial $\sigma(E)$					
12426	PAR Exth J PL/B	73 135 278	1.0+2	4.0+2	Doubré+CURV.EVAP. RES. CFD CALC. TO EXP
	Expt R IPNO-PHN-77 26	77 1.0+2	4.0+2		Doubré+ CURV. EXP. CFD PREDICTIONS.
	Expt R IPNO-PHN-77 26	77 1.1+2	3.0+2		Doubré+TBL.EVAP.SIG EXPECTED+PRCNT MEAS
$^{40}\text{Ca}(^{40}\text{Ca},n+2p)^{77}\text{Sr}$ product yield					
12427	BRK Revv J ARN	27 333 77 NDG			Cerny+ TBL. PRODUCTION DELAYED-P PRECUR
$^{40}\text{Ca}(^{40}\text{Ca},x)$ isotopic distribution $\sigma(E)$					
12428	BNL Expt A BAP	24 52 179	1.1+2	1.5+2	Lister+ NDG. SE79,RB77-79 STRONGLY PROD
$^{70}\text{Ge}(^{40}\text{Ca},x)^{110}\text{Te}$ compound-nucleus $\sigma(E)$					
12429	PAR Expt C 77TOKYO	340 977 NDG			Albouy+ NDG. SYSTEMATIC STUDY
$^{71}\text{Ge}(^{40}\text{Ca},x)^{111}\text{Te}$ compound-nucleus $\sigma(E)$					
12430	PAR Expt C 77TOKYO	340 977 NDG			Albouy+ NDG. SYSTEMATIC STUDY
$^{72}\text{Ge}(^{40}\text{Ca},x)^{112}\text{Te}$ compound-nucleus $\sigma(E)$					
12431	PAR Expt C 77TOKYO	340 977 NDG			Albouy+ NDG. SYSTEMATIC STUDY
$^{107}\text{Ag}(^{40}\text{Ca},x)$ compound-nucleus $\sigma(E)$					
12432	PAR Revv J APH	3 5 78	2.1+2		Lefort+ TBL. FUS. COMP. EXP+CALC.
$^{108}\text{Ag}(^{40}\text{Ca},x)$ compound-nucleus $\sigma(E)$					
12433	PAR Revv J APH	3 5 78	2.1+2		Lefort+ TBL. FUS. COMP. EXP+CALC.

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author.	Comments
¹⁰⁹ Ag(⁴⁰ Ca,x) compound-nucleus σ(E)						
12434	PAR Revw	J APH 3	5	78 2.1+2	Lefort+	TBL. FUS. COMP. EXP+CALC.
²⁰⁹ Bi(⁴⁰ Ca, ⁴² Tl) ²⁰⁷ Tl partial σ(E)						
12435	PAR Theo	J ZP/A 290	157	79 1.5+2	1.7+2 Bimbat+	CURV. SUBCOUL. TRANSFER CFD EXP
²⁰⁹ Bi(⁴⁰ Ca, ⁴¹ Sc) ²⁰⁸ Pb partial σ(E)						
12436	PAR Theo	J ZP/A 290	157	79 1.6+2	1.7+2 Bimbat+	CURV. SUBCOUL. TRANSFER CFD EXP
²⁰⁹ Bi(⁴⁰ Ca,x) ²¹⁰ Po cumulative σ(E)						
12437	PAR Expt	J PR/C 18	1298	978 1.9+2	2.8+2 Gardes+	TBL. 2PI ION. CHMBRS FOR A + G
	Expt P	IPNO-RC-77 10	77	1.8+2	2.8+2 Gardes+	TBL. CURV. RESIDUAL ACTIVITY.
	Exth T D.	GARDES	D76	1.8+2	2.8+2 Gardes.	TBL. ACTIVATION.
²⁰⁹ Bi(⁴⁰ Ca,x) ²¹⁰ Po independent σ(E)						
12438	PAR Expt	J PR/C 18	1298	978 1.9+2	2.8+2 Gardes+	TBL. 2PI ION. CHMBRS FOR A + G
²⁰⁹ Bi(⁴⁰ Ca,x) ²⁰⁷ At σ(E)						
12439	PAR Expt	J PR/C 18	1298	978 2.2+2	2.8+2 Gardes+	TBL. 2PI ION. CHMBRS FOR A + G
	Expt P	IPNO-RC-77 10	77	2.2+2	2.8+2 Gardes+	TBL. CURV. RESIDUAL ACTIVITY.
²⁰⁹ Bi(⁴⁰ Ca,x) ²⁰⁸ At σ(E)						
12440	PAR Expt	J PR/C 18	1298	978 2.0+2	2.8+2 Gardes+	TBL. 2PI ION. CHMBRS FOR A + G
	Expt P	IPNO-RC-77 10	77	2.0+2	2.8+2 Gardes+	TBL. CURV. RESIDUAL ACTIVITY.
²⁰⁹ Bi(⁴⁰ Ca,x) ²⁰⁹ At σ(E)						
12441	PAR Expt	J PR/C 18	1298	978 2.0+2	2.8+2 Gardes+	TBL. 2PI ION. CHMBRS FOR A + G
	Expt P	IPNO-RC-77 10	77	2.0+2	2.8+2 Gardes+	TBL. CURV. RESIDUAL ACTIVITY.
²⁰⁹ Bi(⁴⁰ Ca,x) ²¹⁰ At σ(E)						
12442	PAR Expt	J PR/C 18	1298	978 2.0+2	2.8+2 Gardes+	TBL. 2PI ION. CHMBRS FOR A + G
	Expt P	IPNO-RC-77 10	77	2.0+2	2.8+2 Gardes+	TBL. CURV. RESIDUAL ACTIVITY.
²⁰⁹ Bi(⁴⁰ Ca,x) ²¹¹ At σ(E)						
12443	PAR Expt	J PR/C 18	1298	978 1.7+2	2.8+2 Gardes+	TBL. 2PI ION. CHMBRS FOR A + G
	Expt P	IPNO-RC-77 10	77	1.7+2	2.8+2 Gardes+	TBL. CURV. RESIDUAL ACTIVITY.
²⁰⁹ Bi(⁴⁰ Ca,x) ²¹¹ Rn σ(E)						
12444	PAR Expt	J PR/C 18	1298	978 2.0+2	2.8+2 Gardes+	TBL. 2PI ION. CHMBRS FOR A + G
	Expt P	IPNO-RC-77 10	77	2.0+2	2.8+2 Gardes+	TBL. CURV. RESIDUAL ACTIVITY.
²⁰⁹ Bi(⁴⁰ Ca,x)mass distribution σ(E)						
12445	PAR Expt	P IPNO-RC-77 10	77	1.8+2	2.8+2 Gardes+	TBL. A=210. RESIDUAL ACTIVITY.
²⁰⁹ Pb(⁴⁸ Ca,γ) ²⁵² No independent σ(E)×factor						
12446	DUB Expt	J NP/A 267	359	76 2.4+2	Flerov+	DETECTED SF EVENTS. IN ENGLISH.
	Expt R	JINR-7-9555	76	2.4+2	Flerov+	DETECTED SF EVENTS. IN RUSSIAN.
	Expt J	NP/A 239	157	75 2.4+2		. EXPERIMENTAL SET-UP.
	Expt 4	EXFORA0016.002	479	2.4+2		. 1 DATA POINT.
²⁰⁹ Pb(⁴⁸ Ca,2n) ²⁵² No independent σ(E)×factor						
12447	DUB Expt	J NP/A 267	359	76 2.4+2	Flerov+	DETECTED SF EVENTS. IN ENGLISH.
	Expt J	AE 40	440	576 NDG	Pleve.	PRELIMINARY TEST. 5E-31 CM2.
	Expt R	JINR-7-9555	76	2.4+2	Flerov+	DETECTED SF EVENTS. IN RUSSIAN.
	Expt J	NP/A 239	157	75 2.4+2		. EXPERIMENTAL SET-UP.
	Expt J	SJA 40	528	N76 NDG		. TRANSLATION OF AE 40,440(MAY,76)
	Expt 4	EXFORA0016.003	479	2.4+2		. 1 DATA POINT. FROM NP/A 267, 359(1976)
²⁰⁷ Pb(⁴⁸ Ca,3n) ²⁵² No independent σ(E)×factor						
12448	DUB Expt	J NP/A 267	359	76 2.4+2	Flerov+	DETECTED SF EVENTS. IN ENGLISH.
	Expt J	AE 40	440	576 NDG	Pleve.	PRELIMINARY TEST. 1.2E-31 CM2.
	Expt R	JINR-7-9555	76	2.4+2	Flerov+	DETECTED SF EVENTS. IN RUSSIAN.
	Expt J	NP/A 239	157	75 2.4+2		. EXPERIMENTAL SET-UP.
	Expt J	SJA 40	528	N76 NDG		. TRANSLATION OF AE 40,440(MAY,76)
	Expt 4	EXFORA0016.004	479	2.4+2		. 1 DATA POINT. FROM NP/A 267, 359(1976)
²⁰⁸ Pb(⁴⁸ Ca,4n) ²⁵² No independent σ(E)×factor						
12449	DUB Expt	J NP/A 267	359	76 2.4+2	Flerov+	DETECTED SF EVENTS. IN ENGLISH.
	Expt J	AE 40	440	576 NDG	Pleve.	PRELIMINARY TEST. 0.2E-31 CM2.
	Expt R	JINR-7-9555	76	2.4+2	Flerov+	DETECTED SF EVENTS. IN RUSSIAN.
	Expt J	NP/A 239	157	75 2.4+2		. EXPERIMENTAL SET-UP.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{208}\text{Pb}(^{48}\text{Ca},4n)^{252}\text{No}$	Independent $\sigma(E)$ factor		
12449	DUB Expt J SJA	40 528 N76 NDG			TRANSLATION OF AE 40,440(MAY,76)
	Expt 4 EXFORA0016.005	479 2.4+2			1 DATA POINT. FROM NP/A 267, 359(1976)
		$^{238}\text{U}(^{48}\text{Ca},x)^{212+2}\text{Bi}$	product yield		
12450	BRK Expt P DOE-NDC-15	88 479 NDG			Baisden+ NDG. POSSIBLE 9-MIN ISOMER.
		$^{244}\text{Pu}(^{48}\text{Ca},x)$	compound-nucleus $\sigma(E)$		
12451	BRK Revv J ARN	27 139 77 NDG			Keller+NDG.NEAR COUL. BARRIER. PROPOSED
		$^{248}\text{Cm}(^{48}\text{Ca},x)$	compound-nucleus $\sigma(E)$		
12452	BRK Revv J ARN	27 139 77 NDG			Keller+NDG.NEAR COUL. BARRIER. PROPOSED
		$^{248}\text{Cm}(^{48}\text{Ca},x)^{212+1}\text{Bi}$	product yield		
12453	BRK Expt P LBL-8151	37 678 NDG			Baisden+ NDG. POSSIBLE 25-MIN ISOMER.
		$^{248}\text{Cm}(^{48}\text{Ca},x)^{212+2}\text{Bi}$	product yield		
12454	BRK Expt P DOE-NDC-15	88 479 NDG			Baisden+ NDG. POSSIBLE 9-MIN ISOMER.
	Expt P LBL-8151	37 678 NDG			Baisden+ NDG. POSSIBLE 9-MIN ISOMER.
		$^{248}\text{Cm}(^{48}\text{Ca},2n)^{294}116$	compound-nucleus $\sigma(E)$		
12455	BRK Revv J ARN	27 139 77 NDG			Keller+ NDG.NEAR COULOMB BARRIER. PROP.
		$^{248}\text{Cm}(^{48}\text{Ca},x)$	isotopic distribution $\sigma(E)$		
12456	BRK Revv J ARN	27 139 77 2.4+2 2.6+2			Keller+ SUPER-HEAVY SIG LT 10-34 CM2.
	Revv J ARN	27 139 77 NDG			Keller+NDG.NEGATIVE RESULTS. DUBNA WORK
		systematics($^{48}\text{Ca},x)$	compound-nucleus $\sigma(E)$		
12457	ANL Revv A BAP	23 98 178 NDG			Kovar. NDG. REVIEWED ANL PROGRAM.
		$\text{Fe}(^{52}\text{Cr},x)$	$\sigma(E)$		
12458	PAR Revv J JPRC	37 57 N76 NDG			Lefort. EVAP. RES. DEP. ON $Z1^2Z2/(A1+A2)$
		$^{98}\text{Fe}(^{52}\text{Cr},x)$	compound-nucleus $\sigma(E)$		
12459	PAR Revv J APH	3 5 78 2.6+2			Lefort+ TBL. FUS. COMP. EXP+CALC.
		$^{207}\text{Pb}(^{54}\text{Cr},2n)^{259}106$	product yield		
12460	BRK Revv J ARN	27 139 77 NDG			Keller+NDG.7MILLISEC.DUBNA. CHEM. TECH.
		$^{208}\text{Pb}(^{54}\text{Cr},3n)^{259}106$	product yield		
12461	BRK Revv J ARN	27 139 77 NDG			Keller+NDG.7MILLISEC.DUBNA. CHEM. TECH.
		$^{136}\text{Xe}(^{56}\text{Fe},x)$	compound-nucleus $\sigma(E)$		
12462	ROC Revv S BNL-51115	235 779 3.2+2			Huizenga+ TBL. CFD LCRIT.
		$^{185}\text{Ho}(^{56}\text{Fe},x)$	compound-nucleus $\sigma(E)$		
12463	ROC Revv S BNL-51115	235 779 4.6+2			Huizenga+ TBL. CFD LCRIT.
		$^{209}\text{Bi}(^{56}\text{Fe},^{59}\text{Ni})^{207}\text{Tl}$	partial $\sigma(E)$		
12464	PAR Theo J ZP/A 290	157 79 2.0+2 2.2+2			Bimbot+ CURV. SUBCOUL. TRANSFER CFD EXP
		$^{209}\text{Bi}(^{56}\text{Fe},^{57}\text{Co})^{208}\text{Pb}$	partial $\sigma(E)$		
12465	PAR Theo J ZP/A 290	157 79 2.1+2 2.3+2			Bimbot+ CURV. SUBCOUL. TRANSFER CFD EXP
		$^{209}\text{Bi}(^{56}\text{Fe},x)^{210}\text{Po}$	cumulative $\sigma(E)$		
12466	PAR Expt J PR/C 18	1298 978 2.7+2 4.0+2			Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
	Expt P IPNO-RC-77	10 77 2.7+2 4.0+2			Gardes+ TBL. CURV. RESIDUAL ACTIVITY.
	Exth T D. GARDES	D76 2.7+2 3.7+2			Gardes. TBL. ACTIVATION.
		$^{209}\text{Bi}(^{56}\text{Fe},x)^{210}\text{Po}$	Independent $\sigma(E)$		
12467	PAR Expt J PR/C 18	1298 978 2.7+2 4.0+2			Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
		$^{209}\text{Bi}(^{56}\text{Fe},x)^{208}\text{At}$	$\sigma(E)$		
12468	PAR Expt J PR/C 18	1298 978 3.0+2 3.7+2			Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
	Expt P IPNO-RC-77	10 77 3.0+2 3.7+2			Gardes+ TBL. RESIDUAL ACTIVITY.
		$^{209}\text{Bi}(^{56}\text{Fe},x)^{209}\text{At}$	$\sigma(E)$		
12469	PAR Expt J PR/C 18	1298 978 2.9+2 3.7+2			Gardes+ TBL. 2PI ION. CHMBRS FOR A + G
	Expt P IPNO-RC-77	10 77 2.9+2 3.7+2			Gardes+ TBL. CURV. RESIDUAL ACTIVITY.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{209}\text{Bi}(^{56}\text{Fe},x)^{210}\text{At}$			$\sigma(E)$
12470	PAR Expt J PR/C	18 1298 978	2.8+2	3.7+2	Gardes+ TBL. 2PI 10N. CHMBRS FOR A + G
	Expt P IPNO-RC-77	10 77	2.8+2	3.7+2	Gardes+ TBL. CURV. RESIDUAL ACTIVITY.
		$^{209}\text{Bi}(^{56}\text{Fe},x)^{211}\text{At}$			$\sigma(E)$
12471	PAR Expt J PR/C	18 1298 978	2.6+2	4.0+2	Gardes+ TBL. 2PI 10N. CHMBRS FOR A + G
	Expt P IPNO-RC-77	10 77	2.6+2	4.0+2	Gardes+ TBL. CURV. RESIDUAL ACTIVITY.
		$^{209}\text{Bi}(^{56}\text{Fe},x)^{211}\text{Rn}$			$\sigma(E)$
12472	PAR Expt J PR/C	18 1298 978	2.9+2	3.7+2	Gardes+ TBL. 2PI 10N. CHMBRS FOR A + G
	Expt P IPNO-RC-77	10 77	2.9+2	3.7+2	Gardes+ TBL. CURV. RESIDUAL ACTIVITY.
		$^{209}\text{Bi}(^{56}\text{Fe},x)$ mass distribution			$\sigma(E)$
12473	PAR Expt P IPNO-RC-77	10 77	2.7+2	4.0+2	Gardes+ TBL. A=210. RESIDUAL ACTIVITY.
		$\text{Ni}(^{63}\text{Cu},x)$			$\sigma(E)$
12474	PAR Revv J JPRC	37 57 N76	NDG		Lefort. EVAP. RES. DEP. ON $\text{Z1}^*\text{Z2}/(\text{A1}+\text{A2})$
		$^{60}\text{Ni}(^{63}\text{Cu},x)$			compound-nucleus $\sigma(E)$
12475	PAR Revv J APH	3 5 78	3.2+2		Lefort+ TBL. FUS. COMP. EXP+CALC.
		$^{65}\text{Cu}(^{63}\text{Cu},x)$			compound-nucleus $\sigma(E)$
12476	PAR Exth P CEA-N-2026	156 977	5.0+1	1.1+2	Girard+ CURV. FUSION. CFD EXP TO THEOR.
		$^{65}\text{Cu}(^{63}\text{Cu},\text{total})$			$\sigma(E)$
12477	PAR Exth P CEA-N-2026	156 977	5.0+1	1.1+2	Girard+ CURV. CFD EXP TO THEOR.
		$^{65}\text{Cu}(^{63}\text{Cu},x)$ mass distribution			$\sigma(E)$
12478	PAR Exth P CEA-N-2026	156 977	5.0+1	1.1+2	Girard+ CURV. A=116-127. CFD EXP TO THEO
		$^{96}\text{Zr}(^{63}\text{Cu},5n)^{154}\text{Tm}$			relative $\sigma(E)$
12479	PAR Revv J JPRC	37 57 N76	2.3+2	3.0+2	Lefort. CURV.
		$\text{Ag}(^{63}\text{Cu},x)$			$\sigma(E)$
12480	PAR Revv J JPRC	37 57 N76	NDG		Lefort. EVAP. RES. DEP. ON $\text{Z1}^*\text{Z2}/(\text{A1}+\text{A2})$
		$^{197}\text{Au}(^{63}\text{Cu},x)$			$\sigma(E)$
12481	PAR Revv J NIM	146 225 077	3.7+2	4.6+2	Peter. TBL. QUASI-FISSION. 2 REFERENCES
		$^{197}\text{Au}(^{63}\text{Cu},x)$			compound-nucleus $\sigma(E)$
12482	PAR Revv J NIM	146 225 077	3.7+2	4.6+2	Peter. TBL. 2 REFERENCES.
		$^{197}\text{Au}(^{63}\text{Cu},x)$			$\sigma(E)$ = factor
12483	PAR Revv J NIM	146 225 077	3.7+2	4.6+2	Peter. TBL. QUASI-F/ABS. 2 REFERENCES.
		$^{197}\text{Au}(^{63}\text{Cu},\text{absorption})$			$\sigma(E)$
12484	PAR Revv J NIM	146 225 077	3.7+2	4.6+2	Peter. TBL. 2 REFERENCES.
		$^{209}\text{Bi}(^{63}\text{Cu},^{65}\text{Ga})^{207}\text{Tl}$			partial $\sigma(E)$
12485	PAR Theo J ZP/A	290 157 79	2.2+2	2.5+2	Bimbot+ CURV. SUBCOUL. TRANSFER CFD EXP
		$^{209}\text{Bi}(^{63}\text{Cu},^{64}\text{Zn})^{208}\text{Pb}$			partial $\sigma(E)$
12486	PAR Theo J ZP/A	290 157 79	2.2+2	2.5+2	Bimbot+ CURV. SUBCOUL. TRANSFER CFD EXP
		$^{209}\text{Bi}(^{63}\text{Cu},x)^{210}\text{Po}$			cumulative $\sigma(E)$
12487	PAR Expt J PR/C	18 1298 978	3.0+2	4.1+2	Gardes+ TBL. 2PI 10N. CHMBRS FOR A + G
	Expt P IPNO-RC-77	10 77	2.9+2	4.1+2	Gardes+ TBL. CURV. RESIDUAL ACTIVITY.
	Exth T.D. GARDES	D76	2.9+2	4.1+2	Gardes. TBL. ACTIVATION.
		$^{209}\text{Bi}(^{63}\text{Cu},x)^{210}\text{Po}$			independent $\sigma(E)$
12488	PAR Expt J PR/C	18 1298 978	3.0+2	4.1+2	Gardes+ TBL. 2PI 10N. CHMBRS FOR A + G
		$^{209}\text{Bi}(^{63}\text{Cu},x)^{208}\text{At}$			$\sigma(E)$
12489	PAR Expt J PR/C	18 1298 978	3.3+2	4.1+2	Gardes+ TBL. 2PI 10N. CHMBRS FOR A + G
	Expt P IPNO-RC-77	10 77	3.3+2	4.1+2	Gardes+ TBL. CURV. RESIDUAL ACTIVITY.
		$^{209}\text{Bi}(^{63}\text{Cu},x)^{208}\text{At}$			$\sigma(E)$
12490	PAR Expt J PR/C	18 1298 978	3.3+2	4.1+2	Gardes+ TBL. 2PI 10N. CHMBRS FOR A + G
	Expt P IPNO-RC-77	10 77	3.3+2	4.1+2	Gardes+ TBL. CURV. RESIDUAL ACTIVITY.

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author.	Comments
$^{209}\text{Bi}(^{63}\text{Cu},x)^{210}\text{At} \quad \sigma(E)$						
12491	PAR Expt J PR/C	18 1298 978	3.3+2	4.1+2	Gardes+	TBL. 2PI ION. CHMBRS FOR A + G
	Expt P IPNO-RC-77	10 77 3.3+2	4.1+2	Gardes+	TBL. CURV. RESIDUAL ACTIVITY.	
$^{209}\text{Bi}(^{63}\text{Cu},x)^{211}\text{At} \quad \sigma(E)$						
12492	PAR Expt J PR/C	18 1298 978	3.0+2	4.1+2	Gardes+	TBL. 2PI ION. CHMBRS FOR A + G
	Expt P IPNO-RC-77	10 77 3.0+2	4.1+2	Gardes+	TBL. CURV. RESIDUAL ACTIVITY.	
$^{209}\text{Bi}(^{63}\text{Cu},x)^{211}\text{Rn} \quad \sigma(E)$						
12493	PAR Expt J PR/C	18 1298 978	3.1+2	4.1+2	Gardes+	TBL. 2PI ION. CHMBRS FOR A + G
	Expt P IPNO-RC-77	10 77 3.2+2	4.1+2	Gardes+	TBL. CURV. RESIDUAL ACTIVITY.	
$^{209}\text{Bi}(^{63}\text{Cu},x)\text{mass distribution} \quad \sigma(E)$						
12494	PAR Expt P IPNO-RC-77	10 77 2.9+2	4.1+2	Gardes+	TBL. A=210. RESIDUAL ACTIVITY.	
$\text{U}(^{63}\text{Cu},x)\text{isotopic distribution} \quad \text{product yield}$						
12495	BRK Rev J ARN	27 139 77 6.2+2			Keller+	NDG. MANCHESTER WORK.
$^{88}\text{Kr}(^{65}\text{Cu},x) \quad \text{partial} \quad \sigma(E)$						
12496	ORL Rev R IAEA-241/SM	79 2.9+2	7.3+2	Plasil+	CURV. EVAP. RES. CFD EXPT.	
	Rev R IAEA-241/SM	79 NDG			Plasil+TBL.EFFECT LVL DENS. ON SIGMA	
	Rev R CONF-790507	3 79 2.9+2	7.3+2	Plasil+	SAME AS IAEA-SM/241-D1	
$\text{U}(^{63}\text{Cu},x)\text{isotopic distribution} \quad \text{product yield}$						
12497	BRK Rev J ARN	27 139 77 6.2+2			Keller+	NDG. MANCHESTER WORK.
$^{232}\text{Th}(^{74}\text{Ge},x) \quad \text{direct-interaction} \quad \sigma(E)$						
12498	DUB Theo J IZV	41 1650 77 3.0+2	4.1+2	Afanasev+	CURV. BOUNDARY COND. MODEL.	
	Theo J BAS	41 98 78 3.0+2	4.1+2		TRANSLATION OF IZV 41(8), 1650(1977)	
$^{232}\text{Th}(^{74}\text{Ge},x) \quad \text{compound-nucleus} \quad \sigma(E)$						
12499	DUB Theo J IZV	41 1650 77 3.0+2	4.1+2	Afanasev+	CURV. BOUNDARY COND. MODEL.	
	Theo J BAS	41 98 78 3.0+2	4.1+2		TRANSLATION OF IZV 41(8), 1650(1977)	
$\text{Cu}(^{84}\text{Kr},x) \quad \sigma(E)$						
12500	PAR Rev J JPRC	37 57 N76 NDG			Lefort.	EVAP. RES. DEP. ON $Z1^2Z2/(A1+A2)$
$^{65}\text{Cu}(^{84}\text{Kr},x) \quad \sigma(E)$						
12501	ORL Rev C 74NASH	2 107 674 7.9+2			Plasil.	400MB. EVAP. RES. (PRELIMINARY)
$^{65}\text{Cu}(^{84}\text{Kr},\text{fission}) \quad \sigma(E)$						
12502	ORL Rev C 74NASH	2 107 674 7.9+2			Plasil.	1300MB. (PRELIMINARY)
$^{65}\text{Cu}(^{84}\text{Kr},\text{absorption}) \quad \sigma(E)$						
12503	ORL Rev C 74NASH	2 107 674 7.9+2			Plasil.	1860MB.
$^{70}\text{Ge}(^{84}\text{Kr},\text{absorption}) \quad \sigma(E)$						
12504	PAR Expt J PR/C	10 722 874 3.3+2	4.4+2	Gauvin+	CURV.	
$^{70}\text{Ge}(^{84}\text{Kr},2n)^{152}\text{Er} \quad \sigma(E)$						
12505	PAR Expt A 74NASH	1 109 674 6.0+1	1.2+2	Gauvin+	CURV.	
12506	KFK Comp B PH-DAT	15 2 079 3.3+2	3.8+2	Muenzel+	TBL. FROM EXFOR.	
12507	PAR Expt J PR/C	10 722 874 3.3+2	3.8+2	Gauvin+	CURV.	
	Expt W TO KACHAPAG	576 3.3+2	3.8+2	Gauvin.	LETTER. NUMERICAL DATA.	
	Expt 4 EXFORB0036.002	77 3.3+2	3.8+2	.7 DATA POINTS.		
$^{70}\text{Ge}(^{84}\text{Kr},\gamma)^{154}\text{Er} \quad \sigma(E)$						
12508	PAR Expt A 74NASH	1 109 674 5.0+1	1.2+2	Gauvin+	CURV.	
$^{72}\text{Ge}(^{84}\text{Kr},\text{absorption}) \quad \sigma(E)$						
12509	PAR Expt A 74NASH	1 109 674 5.8+1	1.2+2	Gauvin+	CURV. CALCULATED.	
12510	PAR Expt J PR/C	10 722 874 3.3+2	4.4+2	Gauvin+	CURV.	
$^{72}\text{Ge}(^{84}\text{Kr},4n)^{152}\text{Er} \quad \sigma(E)$						
12511	PAR Expt A 74NASH	1 109 674 6.3+1	1.2+2	Gauvin+	CURV.	
12512	KFK Comp B PH-DAT	15 2 079 3.3+2	4.0+2	Muenzel+	TBL. FROM EXFOR.	
12513	PAR Expt J PR/C	10 722 874 3.3+2	4.0+2	Gauvin+	CURV.	
	Expt W TO KACHAPAG	576 3.3+2	4.0+2	Gauvin.	LETTER. NUMERICAL DATA.	
	Expt 4 EXFORB0036.004	77 3.3+2	4.0+2	.11 DATA POINTS.		

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
$^{72}\text{Ge}(^{84}\text{Kr}, 3n)^{153}\text{Er}$ $\sigma(E)$					
12514	PAR Expt A	74NASH 1	109 674	5.8+1	1.2+2 Gauvin+ CURV.
12515	KFK Comp B	PH-DAT 15	2 079	3.3+2	4.0+2 Muenzel+ TBL. FROM EXFOR.
12516	PAR Expt J	PR/C 10	722 874	3.3+2	4.0+2 Gauvin+ CURV.
	Expt W	TO KACHAPAG	576	3.3+2	4.0+2 Gauvin. LETTER. NUMERICAL DATA.
	Expt 4	EXFORB0036.003	77	3.3+2	4.0+2 . 13 DATA POINTS.
$^{74}\text{Ge}(^{84}\text{Kr}, x)$ compound-nucleus $\sigma(E)$					
12517	PAR Revv C	74NASH 2	81 674	4.2+2	Lefort+ APP. 500MB. GAUVIN+
$^{74}\text{Ge}(^{84}\text{Kr}, x)$ compound-nucleus $\sigma(E)$ x factor					
12518	NBI Revv C	73TRIEST 1	295 973	3.9+2	Siemens. TBL. L(CRIT) FRM LEFORT COMPIL
$^{74}\text{Ge}(^{84}\text{Kr}, \text{absorption})$ $\sigma(E)$					
12519	PAR Expt A	74NASH 1	109 674	5.8+1	1.2+2 Gauvin+ CURV. CALCULATED.
12520	PAR Expt J	PR/C 10	722 874	3.3+2	4.4+2 Gauvin+ CURV.
$^{74}\text{Ge}(^{84}\text{Kr}, 6n)^{152}\text{Er}$ $\sigma(E)$					
12521	BRK Expt A	BAP 24	14 179	NDG	Toth+ NDG. REMEASURED EARLIER WORK
12522	PAR Expt A	BAP 24	14 179	NDG	Toth+ NDG. REMEASURED EARLIER WORK
12523	PAR Expt A	74NASH 1	109 674	8.0+1	1.2+2 Gauvin+ CURV.
12524	KFK Comp B	PH-DAT 15	2 079	3.7+2	4.4+2 Muenzel+ TBL. FROM EXFOR.
12525	PAR Expt J	PR/C 10	722 874	3.7+2	4.4+2 Gauvin+ CURV.
	Expt W	TO KACHAPAG	576	3.7+2	4.4+2 Gauvin. LETTER. NUMERICAL DATA.
	Expt 4	EXFORB0036.006	77	3.7+2	4.4+2 . 12 DATA POINTS.
$^{74}\text{Ge}(^{84}\text{Kr}, 5n)^{153}\text{Er}$ $\sigma(E)$					
12526	BRK Expt A	BAP 24	14 179	NDG	Toth+ NDG. REMEASURED EARLIER WORK
12527	PAR Expt A	BAP 24	14 179	NDG	Toth+ NDG. REMEASURED EARLIER WORK
12528	PAR Expt A	74NASH 1	109 674	7.5+1	1.2+2 Gauvin+ CURV.
12529	PAR Revv C	74NASH 2	81 674	1.5+2	2.3+2 Lefort+ CURV.
12530	PAR Expt J	PR/C 10	722 874	3.6+2	4.4+2 Gauvin+ CURV.
	Expt W	TO KACHAPAG	576	3.6+2	4.4+2 Gauvin. LETTER. NUMERICAL DATA.
	Expt 4	EXFORB0036.005	77	3.6+2	4.4+2 . 17 DATA POINTS.
12531	KFK Comp B	PH-DAT 15	2 079	3.7+2	4.4+2 Muenzel+ TBL. FROM EXFOR.
$^{74}\text{Ge}(^{84}\text{Kr}, 5n)^{153}\text{Er}$ $\sigma(E)$ x factor					
12532	PAR Revv J	JPRC 37	57 N76	3.2+2	4.5+2 Lefort. CURV.
	Exth J	JPRL 36	289 075	3.2+2	4.5+2 Cabot+ CURV.
$^{74}\text{Ge}(^{84}\text{Kr}, 5n)^{153}\text{Er}$ relative $\sigma(E)$					
12533	PAR Revv J	JPRC 37	57 N76	3.7+2	4.3+2 Lefort. CURV.
$\text{Zr}(^{84}\text{Kr}, x)$ $\sigma(E)$					
12534	PAR Revv J	JPRC 37	57 N76	NDG	Lefort. EVAP. RES. DEP. ON $Z1 \cdot Z2 / (A1 + A2)$
$\text{Ag}(^{84}\text{Kr}, x)$ $\sigma(E)$					
12535	PAR Revv J	JPRC 37	57 N76	NDG	Lefort. EVAP. RES. DEP. ON $Z1 \cdot Z2 / (A1 + A2)$
$^{165}\text{Ho}(^{84}\text{Kr}, x)$ compound-nucleus $\sigma(E)$					
12536	ROC Revv S	BNL-S1115	235 779	4.0+2	1.0+3 Huizenga+ CURV. CFD EXPT AND MODEL
12537	PAR Revv C	74NASH 2	81 674	4.9+2	Lefort+ 230MB. NP/A 216, 166(73).
$^{165}\text{Ho}(^{84}\text{Kr}, x)$ compound-nucleus $\sigma(E)$ x factor					
12538	NBI Revv C	73TRIEST 1	295 973	4.5+2	Siemens. TBL. L(CRIT) FRM LEFORT COMPIL
$^{181}\text{Ta}(^{84}\text{Kr}, x)$ isotopic distribution $\sigma(E)$					
12539	DUB Revv C	74NASH 2	459 674	NDG	Flerov. CURV. A=191-19R. Z=78.
$^{186}\text{W}(^{84}\text{Kr}, x)$ compound-nucleus $\sigma(E)$					
12540	DUB Theo S	JINR-P7-10452	77	3.2+2	3.5+2 Toneev+ CURV.
12541	PAR Revv C	74NASH 2	81 674	5.0+2	Lefort+ 150MB. NP/A 216, 166(73).
$^{186}\text{W}(^{84}\text{Kr}, x)$ compound-nucleus $\sigma(E)$ x factor					
12542	NBI Revv C	73TRIEST 1	295 973	5.0+2	Siemens. TBL. L(CRIT) FRM LEFORT COMPIL
$^{186}\text{W}(^{84}\text{Kr}, x)$ $\sigma(E)$					
12543	DUB Theo S	JINR-P7-10452	77	2.8+2	3.5+2 Toneev+ CURV. SUM OF D1 + FUS.
$^{197}\text{Au}(^{84}\text{Kr}, x)$ mass distribution chain $\sigma(E)$					
12544	BRK Expt A	DA/B 39	740 878	NDG	Binder. NDG. FROM ISOTOPIC DIST.

REFERENCES(cont)

No. Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
$^{197}\text{Au}(^84\text{Kr}, x)$ isotopic distribution $\sigma(E)$				
12545 BRK Expt A DA/B	39	740	878	NDG
Binder. NDG. RADIOCHEMISTRY				
$^{205}\text{Tl}(^84\text{Kr}, x)^{211}\text{At}$ cumulative $\sigma(E)$				
12546 KFK Comp B PH-DAT	15	1	079	4.9+2
12547 PAR Expt J PR/C	8	375	773	4.9+2
Expt 4 EXFORB0028.005	77	4.9+2		
Muenzel+ TBL. FROM EXFOR.				
Bimbot+ NAT. TAR. ASSUMED NO TL203 CONT				
. (1.6+-0.3)MB.				
$^{205}\text{Tl}(^84\text{Kr}, x)^{210}\text{Rn}$ cumulative $\sigma(E)$				
12548 KFK Comp B PH-DAT	15	1	079	4.9+2
12549 PAR Expt J PR/C	8	375	773	4.9+2
Expt 4 EXFORB0028.007	77	4.9+2		
Muenzel+ TBL. FROM EXFOR.				
Bimbot+ NAT. TAR. ASSUMED NO TL203. CONT				
. (2.4+-0.7)MB.				
$^{205}\text{Tl}(^84\text{Kr}, x)^{211}\text{Rn}$ cumulative $\sigma(E)$				
12550 KFK Comp B PH-DAT	15	1	079	4.9+2
12551 PAR Expt J PR/C	8	375	773	4.9+2
Expt 4 EXFORB0028.006	77	4.9+2		
Muenzel+ TBL. FROM EXFOR.				
Bimbot+ NAT. TAR. ASSUMED NO TL203 CONT				
. (1.0+-0.2)MB.				
$^{208}\text{Pb}(^84\text{Kr}, \text{absorption})$ $\sigma(E)$				
12552 BNL Theo C 76ANL-2	2	753	476	7.0+2
Schwartzchild+ TBL. VARIATION WITH Z122				
$^{209}\text{Bi}(^84\text{Kr}, x)$ compound-nucleus $\sigma(E)$				
12553 DUB Theo S J1NR-P7-10452	77	1.0+2	2.6+2	
12554 DUB Theo J YF	27	1191	578	3.0+2 5.0+2
Theo C 77TOKYO	665	977	3.0+2 5.1+2	
Theo J SNP	27	631	78	3.0+2 5.0+2
12555 PAR Revv J NIM	146	225	077	5.3+2 6.0+2
Revv C 74NASH	2	81	674	5.0+2
Toneev+ CURV. SUM OF D1 + FUS.				
Toneev+ CURV. NEW MODEL CFD EXPT.				
Schmidt+ CURV. PHENOM. MODEL CFD TO EXP				
. TRANSLATION OF YF 27,1191				
Peter. TBL. 2 REFERENCES.				
Lefort+ .LT. 40MB. NP/A 216,166(73).				
$^{209}\text{Bi}(^84\text{Kr}, x)$ compound-nucleus $\sigma(E)$ x factor				
12556 NBI Revv C 73TRIST	1	295	973	5.0+2
Siemens. TBL. L(CRIT) FRM LEFORT COMPIL				
$^{209}\text{Bi}(^84\text{Kr}, x)$ $\sigma(E)$				
12557 PAR Revv J NIM	146	225	077	5.3+2 6.0+2
Peter. TBL. QUASI-FISSION. 2 REFERENCES				
$^{209}\text{Bi}(^84\text{Kr}, x)$ $\sigma(E)$ x factor				
12558 PAR Revv J NIM	146	225	077	5.3+2 6.0+2
Peter. TBL. QUASI-F/ABS. 2 REFERENCES.				
$^{209}\text{Bi}(^84\text{Kr}, \text{absorption})$ $\sigma(E)$				
12559 PAR Revv J NIM	146	225	077	5.3+2 6.0+2
Peter. TBL. 2 REFERENCES.				
$^{209}\text{Bi}(^84\text{Kr}, x)^{211}\text{At}$ cumulative $\sigma(E)$				
12560 KFK Comp B PH-DAT	15	1	079	4.3+2 4.9+2
12561 PAR Expt J PR/C	8	375	773	4.3+2 4.9+2
Expt 4 EXFORB0028.002	77	4.3+2 4.9+2		
Muenzel+ TBL. FROM EXFOR.				
Bimbot+ TBL. CURV. ALSO RECOIL RANGE.				
. 4 DATA POINTS.				
$^{209}\text{Bi}(^84\text{Kr}, x)^{210}\text{Rn}$ cumulative $\sigma(E)$				
12562 KFK Comp B PH-DAT	15	1	079	4.3+2 4.9+2
12563 PAR Expt J PR/C	8	375	773	4.3+2 4.9+2
Expt 4 EXFORB0028.004	77	4.3+2 4.9+2		
Muenzel+ TBL. FROM EXFOR.				
Bimbot+ TBL. CURV. ALSO RECOIL RANGE.				
. 4 DATA POINTS.				
$^{209}\text{Bi}(^84\text{Kr}, x)^{211}\text{Rn}$ cumulative $\sigma(E)$				
12564 KFK Comp B PH-DAT	15	1	079	4.3+2 4.9+2
12565 PAR Expt J PR/C	8	375	773	4.3+2 4.9+2
Expt 4 EXFORB0028.003	77	4.3+2 4.9+2		
Muenzel+ TBL. FROM EXFOR.				
Bimbot+ TBL. CURV. ALSO RECOIL RANGE.				
. 4 DATA POINTS.				
$\text{U}(^84\text{Kr}, x)$ isotopic distribution thick target yield				
12566 BRK Revv J ARN	27	139	77	4.5+2 6.0+2
Keller+NDG. NO EVIDENCE OF SUPER-HEAVIES				
$^{238}\text{U}(^84\text{Kr}, x)$ compound-nucleus $\sigma(E)$				
12567 PAR Revv J NIM	146	225	077	4.5+2 6.0+2
Revv C 74NASH	2	81	674	5.0+2
Peter. TBL. PRL 33, 302(1974)				
Lefort+ .LT. 10MB. NP/A 221,37(74).				
$^{238}\text{U}(^84\text{Kr}, x)$ $\sigma(E)$				
12568 PAR Revv J NIM	146	225	077	4.5+2 6.0+2
Peter. TBL. QUASI-FISSION. PRL 33, 302				
$^{238}\text{U}(^84\text{Kr}, x)$ $\sigma(E)$ x factor				
12569 PAR Revv J NIM	146	225	077	4.5+2 6.0+2
Peter. TBL. QUASI-F/ABS. PRL 33, 302				
$^{238}\text{U}(^84\text{Kr}, \text{absorption})$ $\sigma(E)$				
12570 PAR Revv J NIM	146	225	077	4.5+2 6.0+2
Peter. TBL. PRL 33, 302(1974)				

REFERENCES(cont)

No.	Lab Work Type	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments
	$^{238}\text{U}(\text{Kr, fission})$ mass distribution $\sigma(E)$				
12571	DUB Revw C 7NNASH	2 459 674	NDG		Flerov. CURV. A=100-280. EXTRAPOLATED.
	systematics($^{86}\text{Kr, x}$) compound-nucleus $\sigma(E)$				
12572	PAR Revw C 7NNASH	2 81 674	4.2+2	5.0+2	Lefort+ TBL. MANY REFERENCES.
	$^{69}\text{Cu}(\text{Kr, x})$ compound-nucleus $\sigma(E)$				
12573	PAR Revw J APH	3 5 78	3.7+2		Lefort+ TBL. FUS. COMP. EXP+CALC.
	$^{74}\text{Ge}(\text{Kr, x})\gamma$ compound-nucleus average ν				
12574	NBI Expt P CEA-N-2026	181 977	NDG		Back+ NDG. AVE. G-MULT. OF CN DECAY.
	$^{76}\text{Ge}(\text{Kr, x})\gamma$ compound-nucleus average ν				
12575	NBI Expt P CEA-N-2026	181 977	NDG		Back+ NDG. AVE. G-MULT. OF CN DECAY.
	$^{80}\text{Se}(\text{Kr, 5n})^{161}\text{Yb}$ $\sigma(E)$				
12576	BRK Expt J NP/A	290 253 077	3.3+2		Simon+ TBL. FRM DISCRETE + CONT. G-SPEC
	$^{80}\text{Se}(\text{Kr, 5n})^{161}\text{Yb}$ average ν_γ				
12577	BRK Expt J NP/A	290 253 077	3.3+2		Simon+ TBL. AVE. G MULT.
	$^{80}\text{Se}(\text{Kr, 4n})^{162}\text{Yb}$ $\sigma(E)$				
12578	BRK Expt J NP/A	290 253 077	3.1+2	3.3+2	Simon+ TBL. FRM DISCRETE + CONT. G-SPEC
	$^{80}\text{Se}(\text{Kr, 4n})^{162}\text{Yb}$ average ν_γ				
12579	BRK Expt J NP/A	290 253 077	3.1+2	3.3+2	Simon+ TBL. AVE. G MULT.
	$^{80}\text{Se}(\text{Kr, 3n})^{163}\text{Yb}$ $\sigma(E)$				
12580	BRK Expt J NP/A	290 253 077	3.1+2	3.3+2	Simon+ TBL. FRM DISCRETE + CONT. G-SPEC
	$^{80}\text{Se}(\text{Kr, 3n})^{163}\text{Yb}$ average ν_γ				
12581	BRK Expt J NP/A	290 253 077	3.1+2	3.3+2	Simon+ TBL. AVE. G MULT.
	$^{80}\text{Se}(\text{Kr, 2n})^{164}\text{Yb}$ $\sigma(E)$				
12582	BRK Expt J NP/A	290 253 077	3.1+2		Simon+ TBL. FRM DISCRETE + CONT. G-SPEC
	$^{80}\text{Se}(\text{Kr, 2n})^{164}\text{Yb}$ average ν_γ				
12583	BRK Expt J NP/A	290 253 077	3.1+2		Simon+ TBL. AVE. G MULT.
	$^{82}\text{Se}(\text{Kr, 5n})^{163}\text{Yb}$ $\sigma(E)$				
12584	BRK Expt J NP/A	290 253 077	3.3+2		Simon+ TBL. FRM DISCRETE + CONT. G-SPEC
	$^{82}\text{Se}(\text{Kr, 5n})^{163}\text{Yb}$ average ν_γ				
12585	BRK Expt J NP/A	290 253 077	3.3+2		Simon+ TBL. AVE. G MULT.
	$^{82}\text{Se}(\text{Kr, 4n})^{164}\text{Yb}$ $\sigma(E)$				
12586	BRK Expt J NP/A	290 253 077	3.1+2	3.3+2	Simon+ TBL. FRM DISCRETE + CONT. G-SPEC
	$^{82}\text{Se}(\text{Kr, 4n})^{164}\text{Yb}$ average ν_γ				
12587	BRK Expt J NP/A	290 253 077	3.1+2	3.3+2	Simon+ TBL. AVE. G MULT.
	$^{82}\text{Se}(\text{Kr, 3n})^{165}\text{Yb}$ $\sigma(E)$				
12588	BRK Expt J NP/A	290 253 077	3.1+2	3.3+2	Simon+ TBL. FRM DISCRETE + CONT. G-SPEC
	$^{82}\text{Se}(\text{Kr, 3n})^{165}\text{Yb}$ average ν_γ				
12589	BRK Expt J NP/A	290 253 077	3.1+2	3.3+2	Simon+ TBL. AVE. G MULT.
	$^{82}\text{Se}(\text{Kr, 2n})^{166}\text{Yb}$ $\sigma(E)$				
12590	BRK Expt J NP/A	290 253 077	3.1+2		Simon+ TBL. FRM DISCRETE + CONT. G-SPEC
	$^{82}\text{Se}(\text{Kr, 2n})^{166}\text{Yb}$ average ν_γ				
12591	BRK Expt J NP/A	290 253 077	3.1+2		Simon+ TBL. AVE. G MULT.
	$^{107}\text{Ag}(\text{Kr, x})\gamma$ ν				
12592	BRK Expt A BAP	23 47 178	NDG		Hozniak+NDG. G-MULT. FNC. OF LGHT FRG. Z
	$^{109}\text{Ag}(\text{Kr, x})$ partial $\sigma(E)$				
12593	ORL Revw R IAEA-241/SM	79	NDG		Plasit+TBL.EFFECT LVL DENS. ON SIGMA
	Revw R CONF-790507	3 79	NDG		Plasit+ SAME AS IAEA-SM/241-D1

REFERENCES(cont)

No.	Lab Work Type	Reference	Emin (MeV)	Emax (MeV)	Author, Comments
		$^{108}\text{Ag}(^{86}\text{Kr},x)y$			v
12594	BRK Expt A BAP	23	47	178	NDG Wozniak+NDG.G-MULT. FNC. OF LGHT FRG. Z
		$^{165}\text{Ho}(^{86}\text{Kr},x)y$			v
12595	BRK Expt A BAP	23	47	178	NDG Wozniak+NDG.G-MULT. FNC. OF LGHT FRG. Z
		$^{197}\text{Au}(^{86}\text{Kr},x)y$			v
12596	BRK Expt A BAP	23	47	178	NDG Wozniak+NDG.G-MULT. FNC. OF LGHT FRG. Z
		$^{197}\text{Au}(^{86}\text{Kr},x)$ mass distribution			chain $\sigma(E)$
12597	BRK Expt A DA/B	39	740	878	NDG Binder. NDG. FROM ISOTOPIC DIST.
		$^{197}\text{Au}(^{86}\text{Kr},x)$ isotopic distribution			$\sigma(E)$
12598	BRK Expt A DA/B	39	740	878	NDG Binder. NDG. RADIOCHEMISTRY
		$^{232}\text{Th}(^{86}\text{Kr},\text{inelastic})^{232}\text{Th}$			partial relative $\sigma(E)_y$
12599	ORL Expt J PRL	40	1016	278	3.5+2 4.6+2 Guldry+ CURV. HIGH SPIN ST. IN CNI REG.
		$^{209}\text{Bi}(^{130}\text{Xe},x)$			$\sigma(E)$
12600	PAR Rev J NIM	146	225	077	1.1+3 Peter. TBL. DIASI-FISSION. SCHROEDER+
		$^{209}\text{Bi}(^{130}\text{Xe},x)$ compound-nucleus			$\sigma(E)$
12601	PAR Rev J NIM	146	225	077	1.1+3 Peter. TBL. SCHROEDER+ TBP IN PRL
		$^{209}\text{Bi}(^{130}\text{Xe},x)$ $\sigma(E)$ factor			
12602	PAR Rev J NIM	146	225	077	1.1+3 Peter. TBL. QUASI-F/ABS. SCHROEDER+
		$^{209}\text{Bi}(^{130}\text{Xe},\text{absorption})$			$\sigma(E)$
12603	PAR Rev J NIM	146	225	077	1.1+3 Peter. TBL. SCHROEDER+ TBP IN PRL
		$^{238}\text{U}(^{130}\text{Xe},x)$			$\sigma(E)$
12604	PAR Rev J NIM	146	225	077	7.5+2 1.2+3 Peter. TBL. QUASI-FISSION. PRL 36, 135
		$^{238}\text{U}(^{130}\text{Xe},x)$ compound-nucleus			$\sigma(E)$
12605	PAR Rev J NIM	146	225	077	7.5+2 1.2+3 Peter. TBL. PRL 36, 135(1976).
		$^{238}\text{U}(^{130}\text{Xe},x)$ - $\sigma(E)$ factor			
12606	PAR Rev J NIM	146	225	077	7.5+2 1.2+3 Peter. TBL. QUASI-F/ABS. PRL 36, 135
		$^{238}\text{U}(^{130}\text{Xe},\text{absorption})$			$\sigma(E)$
12607	PAR Rev J NIM	146	225	077	7.5+2 1.2+3 Peter. TBL. PRL 36, 135(1976).
		$^{181}\text{Ta}(^{136}\text{Xe},x)$ isotopic distribution			$\sigma(E)$
12608	DUB Rev C 74NASH	2	459	674	NDG Flerov. CURV. A=192-199. Z = 79.
		$^{197}\text{Au}(^{136}\text{Xe},x)$ mass distribution			chain $\sigma(E)$
12609	BRK Expt A DA/B	39	740	878	NDG Binder. NDG. FROM ISOTOPIC DIST.
		$^{197}\text{Au}(^{136}\text{Xe},x)$ isotopic distribution			$\sigma(E)$
12610	BRK Expt A DA/B	39	740	878	NDG Binder. NDG. RADIOCHEMISTRY
		$^{209}\text{Bi}(^{136}\text{Xe},\text{absorption})$			$\sigma(E)$
12611	BNL Theo C 76ANL-2	2	753	476	1.1+3 Schwartzchild+ TBL. VARIATION WITH Z122
		$\text{U}(^{136}\text{Xe},x)$ isotopic distribution			product yield
12612	BRK Rev J ARN	27	139	77	9.0+2 Keller+ 10-33CM2. DUBNA WORK. CHEM. TEC
		$\text{U}(^{136}\text{Xe},x)$ isotopic distribution			thick target yield
12613	BRK Rev J ARN	27	139	77	7.5+2 1.2+3 Keller+NDG. NO EVIDENCE OF SUPER-HEAVIES
		$^{238}\text{U}(^{136}\text{Xe},x)^{212}\text{Po}$			product yield
12614	BRK Expt P DOE-NDC-15	88	479	NDG	Baisden+ NDG. POSSIBLE 9-MIN ISOMER.
		$^{238}\text{U}(^{136}\text{Xe},\text{fission})$ mass distribution			$\sigma(E)$
12615	DUB Rev C 74NASH	2	459	674	NDG Flerov. CURV. A=120-320. EXTRAPOLATED.
		$^{238}\text{U}(^{136}\text{Xe},x)$ isotopic distribution			$\sigma(E)$
12616	BRK Expt P DOE-NDC-15	93	479	NDG	Otto+ SUPER-HEAVY .LE. 4.E-36 CM2

LIST OF ELEMENTS

1 H	Hydrogen	36 Kr	Krypton	71 Lu	Lutetium
2 He	Helium	37 Rb	Rubidium	72 Hf	Hafnium
3 Li	Lithium	38 Sr	Strontium	73 Ta	Tantalum
4 Be	Beryllium	39 Y	Yttrium	74 W	Tungsten
5 B	Boron	40 Zr	Zirconium	75 Re	Rhenium
6 C	Carbon	41 Nb	Niobium	76 Os	Osmium
7 N	Nitrogen	42 Mo	Molybdenum	77 Ir	Iridium
8 O	Oxygen	43 Tc	Technetium	78 Pt	Platinum
9 F	Fluorine	44 Ru	Ruthenium	79 Au	Gold
10 Ne	Neon	45 Rh	Rhodium	80 Hg	Mercury
11 Na	Sodium	46 Pd	Palladium	81 Tl	Thallium
12 Mg	Magnesium	47 Ag	Silver	82 Pb	Lead
13 Al	Aluminium	48 Cd	Cadmium	83 Bi	Bismuth
14 Si	Silicon	49 In	Indium	84 Po	Polonium
15 P	Phosphorus	50 Sn	Tin	85 At	Astatine
16 S	Sulphur	51 Sb	Antimony	86 Rn	Radon
17 Cl	Chlorine	52 Te	Tellurium	87 Fr	Francium
18 Ar	Argon	53 I	Iodine	88 Ra	Radium
19 K	Potassium	54 Xe	Xenon	89 Ac	Actinium
20 Ca	Calcium	55 Cs	Cesium	90 Th	Thorium
21 Sc	Scandium	56 Ba	Barium	91 Pa	Protactinium
22 Ti	Titanium	57 La	Lanthanum	92 U	Uranium
23 V	Vanadium	58 Ce	Cerium	93 Np	Neptunium
24 Cr	Chromium	59 Pr	Praseodymium	94 Pu	Plutonium
25 Mn	Manganese	60 Nd	Neodymium	95 Am	Americium
26 Fe	Iron	61 Pm	Promethium	96 Cm	Curium
27 Co	Cobalt	62 Sm	Samarium	97 Bk	Berkelium
28 Ni	Nickel	63 Eu	Europium	98 Cf	Californium
29 Cu	Copper	64 Gd	Gadolinium	99 Es	Einsteinium
30 Zn	Zinc	65 Tb	Terbium	100 Fm	Fermium
31 Ga	Gallium	66 Dy	Dysprosium	101 Md	Mendelevium
32 Ge	Germanium	67 Ho	Holmium	102 No	Nobelium
33 As	Arsenic	68 Er	Erbium	103 Lr	Lawrencium
34 Se	Selenium	69 Tm	Thulium	104 Ku	Kurchatovium
35 Br	Bromine	70 Yb	Ytterbium		

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