173
7-13-77

10/21
BNL-WCS-50640
Dr 1212

THE BIBLIOGRAPHY OF INTEGRAL CHARGED PARTICLE NUCLEAR DATA

T.W. BURROWS AND J.S. BURT

March 1977

INFORMATION ANALYSIS CENTER REPORT

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

MASTER

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

BNL-NCS-50640
(Physics-Nuclear - TID-4500)

THE BIBLIOGRAPHY OF INTEGRAL CHARGED PARTICLE NUCLEAR DATA

T.W. BURROWS AND J.S. BURT

March 1977

NOTICE
This report was prepared as an account of work sponsored by the United States Government. Neither the United States nor the United States Energy Research and Development Administration, nor any of their employees, nor any of their contractors, subcontractors, or their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness or usefulness of any information, apparatus, product or process disclosed, or represents that its use would not infringe privately owned rights.

NATIONAL NUCLEAR DATA CENTER

(in support of the International Charged-Particle Nuclear Data Compilation Network)

**BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
UPTON, NEW YORK 11973**

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

NOTICE

This report was prepared as an account of work sponsored by the United States Government. Neither the United States nor the United States Energy Research and Development Administration, nor any of their employees, nor any of their contractors, subcontractors, or their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness or usefulness of any information, apparatus, product or process disclosed, or represents that its use would not infringe privately owned rights.

Printed in the United States of America
Available from
National Technical Information Service
U.S. Department of Commerce
5285 Port Royal Road
Springfield, VA 22161
Price: Printed Copy \$7.50; Microfiche \$3.00
April 1977 1000 copies

Table of Contents

Introduction

- I. Introduction
- II. Scope
- III. Dates of Coverage
- IV. Secondary Sources of Information
- V. Organization
- VI. Compilations and Evaluations of Charged-Particle Nuclear Data
- VII. Retrieval Capabilities
- VIII. Future Projections
- IX. Acknowledgements

Experimental References	1
Isotope Production--Experimental	61
Theoretical References	86
Isotope Production--Theory	115
Review References	129
Isotope Production--Review	150

Appendices

- A. Abbreviations for Molecules and Mixtures
- B. Quantity Definitions
- C. References
- D. Laboratory Code
- E. Some Abbreviations used in "Comments"
- F. Energy Abbreviations

I INTRODUCTION

This publication is the outgrowth of a recommendation by the recently formed international charged-particle nuclear data compilation network. Its primary aim is to satisfy the need expressed by network members for a concise and comprehensive bibliography of charged-particle integral cross section data. Therefore, the scope of this bibliography is limited to a small fraction of the entire charged-particle nuclear data literature. The reader is referred to Table 1 for a comprehensive list of other nuclear data bibliographic sources.

The need for a bibliography of charged-particle integral cross section data has been satisfied to some extent by the recently terminated "Charged-Particle Reaction List" prepared by McGowan and Milner¹ and by the "Reaction Index" prepared by the Nuclear Data Project.² However, retrieval of integral data from these bibliographies has suffered from the fact that the overwhelming amount of data in these files is non-integral data, from the basic nuclear science orientation of the bibliographies, and, to some extent, from the format and organization of the files.

Table 1

Other Nuclear Data Bibliographic Sources

Sources	Publisher	Comments
Chemical Abstracts	American Chemical Soc.	
Dialog Information Retrieval System	Lockheed Missiles and Space Co.	On-line retrieval system.
Physics Abstracts of Science Abstracts	British Institute of Electrical Engineers	
Orbit Search Service	System Development Corp.	On-line retrieval system.
RECON System	U.S. Energy Research and Development Administration	On-line retrieval system.
Science Citations	Institute for Scientific Information	
Scientific and Technical Aerospace Reports	National Aeronautics and Space Administration	
High Energy Abstracts	ZAED, Karlsruhe	
CINDA 76/77	International Atomic Energy Agency	
INIS ATOMINDEX	<u>ibid.</u>	
Reaction List for Charged-Particle-Induced Nuclear Reactions F.K. McGowan and W.T. Milner	Academic Press	Last of a continuing series. See reference for previous publications.
Recent References in Nuclear Data Sheets Nuclear Data Project	<u>ibid.</u>	Continuing series. Published approximately 3 times per year. See also Nucl. Data Sheets 16 (1975), Supplement for 1969-1975 archival volume.

Note: Many compilations and evaluations also have extensive bibliographies.

II SCOPE

The general criteria for inclusion of data in this bibliography are the following:

1. Excitation functions or thick target yields leading to the formation of ground or metastable states. This includes quantities such as isomeric ratios and fission yields which may be readily converted to excitation functions.
2. The atomic mass of the incident particle and its charge must both be greater than or equal to 1.
3. The atomic masses of the target, out-going particles, and residual nucleus are all greater than or equal to 1 with the exceptions of those processes which do not lead to a definite out-going particle or residual nucleus, e.g. total cross sections, and such reactions as (p,γ) .
4. The lowest incident energy must be less than or equal to 100 MeV.

There are several exceptions to these general criteria. References to any data compiled by one of the charged-particle nuclear data centers (see Table 2) and all references cited by the compilers have been included. If a reference includes data satisfying the criteria noted above and other integral charged-particle data, these additional data have also been included.

Table 2

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

Center Code	Center
A. CAJaD	Dr. F.E. Chukreev Center for Nuclear Structure and Reaction Data of the USSR State Committee on the Utilization of Atomic Energy I.V. Kurchatov Institute of Atomic Energy Moscow, USSR (Handles dissemination for the Union of Soviet Socialist Republics).
B. KaChaPaG	Prof. H. Münzel Charged Particle Nuclear Data Group Institute 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, N.Y. 11973, USA (Handles dissemination for the United States of America and for Canada).
D. NDS	Dr. J.J. Schaidt Nuclear Data Section Division of Research and Laboratories IAEA, P.O.B. 590 Kärntnering 11 1011 Vienna, Austria (All countries not covered by the dissemination centers A, C, and G should contact NDS for information).
E.	Prof. Hajime Tanaka Department of Physics Hokkaido University Sapporo, Hokkaido Japan
F. Harwell	Dr. G. Dearnaley Nuclear Physics Division, Hanger 8 Atomic Energy Research Establishment Harwell, Didcot, OXON. OX11 0RA United Kingdom
G. ZAED	Dr. H. Behrens Zentralstelle für Atomkernenergie-Dokumentation Kernforschungszentrum D-7514 Eggenstein-Leopoldshafen Federal Republic of Germany (Handles dissemination for the Federal Republic of Germany).

Table 2 (Cont'd.)

Center Code	Center
H. IBJ	Dr. A. Marcinkowski Nuclear Data Group Inst. Baden Jadrowych Hoza 69 PL-00-681 Warsaw, Poland
I. NDCC	Dr. H. Derrien NEA Neutron Data Compilation Centre B.P. No. 9 F-91190 Gif-sur-Yvette France
K.	Dr. D.C. Agrawal Physics Department Banaras Hindu University Karanasi India 221005

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

III DATES OF COVERAGE

For those journals included in the McGowan and Milner¹ compilations, the present coverage began with the first journal issue after their coverage cut-off date. Coverage of all other journals began with the first issue bearing a 1976 cover date. The cut-off date on journal coverage for this first issue of the bibliography is January 31, 1977. All other references containing integral charged-particle data which came to the attention of the authors between January 1, 1976 and January 31, 1977 have been indexed.

In addition, all references cited by the compilers of the charged-particle nuclear data centers have been included. Finally, if prior work relating to a current paper were cited by the authors, this work has been indexed.

Table 3 lists the coverage dates of 30 "core" journals to give a representative sample of the present coverage. It should be noted that this list is only a sample. Appendix C lists all journals which included integral charged-particle data during the present period of coverage. Other journals have been scanned without finding any pertinent entries. A complete list of journals covered may be obtained from the authors.

Table 3
"Core" Journal Coverage

Journal	First Issue Scanned		Last Issue Scanned	
	Volume	Issue	Volume	Issue
Annales de Physique (Paris)	9	4	1	6
Annals of Physics (New York)	95	2	102	1
Australian Journal of Physics	29	1	29	5
*Bulletin of the Academy of Sciences of the USSR, Physical Series	39	5	40	1
Canadian Journal of Chemistry	53	24	54	23
Canadian Journal of Physics	53	23	54	23
Comptes Rendus Hebdomadaires des Seances de L'Academie des Sciences, Series B, Physique	281	5	283	12
Helvetia Physica Acta	47	2	49	5
International Journal of Applied Radiation and Isotopes	27	1	27	10
Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya	39	5	40	10
Journal of Inorganic and Nuclear Chemistry	38	2	38	12
Journal of the Physical Society of Japan	40	1	40	6
Journal of Physics G	2	1	2	12
Journal de Physique (Paris)	36	12	37	12
Lettere al Nuovo Cimento, Ser. 2	14	14	17	15
Nuclear Instruments and Methods	131	1	140	1
Nuclear Physics A	256	1	274	3
Nuovo Cimento	30	4	35	3
Physica Scripta	12	6	14	3
Physical Review C	13	2	14	6
Physical Review Letters	36	7	38	4
Physics Letters B	60	2	65	5

Table 3 (Cont'd.)

Journal	First Issue Scanned		Last Issue Scanned	
	Volume	Issue	Volume	Issue
Physics Reports (Physics Letters C)	23	1	28	4
Revue Roumaine de Physique	20	10	21	10
* Soviet Atomic Energy	39	3	40	6
* Soviet Journal of Nuclear Physics	21	6	23	4
Ukrains'kii Fizichnii Zhurnal	20	10	21	10
Yadernaya Fizika	21	6	24	5
Zeitschrift fuer Physik	275	4	279	4

* The original publications were scanned, as well as the translations.

Translations are normally issued six months after the original.

IV SECONDARY SOURCES OF INFORMATION

Since this bibliography is designed to serve both as an archival and a current-awareness bibliography; abstracts, theses, laboratory reports, etc., have been included. However, they have been included in this issue only if there has been no journal or conference paper superseding the unpublished work. Nevertheless, all references satisfying the criteria of sections II and III have been indexed in the computerized bibliographic file and may be retrieved on request (See Introduction VII).

V ORGANIZATION

This bibliography is divided into three main sections covering experimental, theoretical, and review references. The review section also includes compilation and evaluation references. References which contain both experimental and theoretical work are listed both in the experimental and theoretical sections.

Each section contains two subsections. The main subsection contains all references satisfying the criteria noted above ~~and organized as described in the next paragraph.~~ The second subsection is devoted to isotope production.

The main subsections are ordered by increasing Z and A of the incident particle, then by increasing Z and A of the target nucleus. Within this order, the entries are ordered by residual nucleus and quantity (e.g. $\sigma(E)$). Finally, the entries are ordered by outgoing particles or processes. All entries which have the same target, reaction, and quantity are grouped under a common heading with the most recent reference first. All references pertaining to the same experiment are blocked together. To signify this, the entry number and laboratory code are suppressed for all lines except the first line of a block. Within a block the lines are ordered as follows: primary sources, secondary sources, translations, and data index lines. Sources of a particular type within a block are ordered by inverse publication date. The reader is referred to Figure 1 for a detailed description of the main subsections.

As noted above the second subsection is devoted to isotope production and is limited in the information it carries. Only those references

EXPERIMENTAL REFERENCES(cont)						
No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier	
	<u>Ti(p,absorption)</u> $\sigma(E)$					Reaction and quantity measured
89	MNA A BAP 21	789	76	2.0+1 5.0+1 NASR+ NDG.		
	<u>Ti(p,x)¹⁸⁰V</u> $\sigma(E)$					Energy range of incident particle (in laboratory system unless otherwise noted in comments. 1.7+1=17)
90	RIC J JGR 81	5689	76	1.7+1 4.3+1 WALTON+ TBL. STAINLESS STEEL TYPE 302.		
	J JGR 79	314	74	1.7+1 4.3+1 . PART. SUPER. CORR. TO JGR 78,6428(73).		
	J JGR 78	6428	73	1.7+1 4.3+1 . PART. SUPER. BY JGR 79,314(74)		
	<u>⁵¹V(p,n)⁵¹Cr</u> $\sigma(E)$					
91	KTY A DPC 37	2347	N76	4.0+0 4.4+0 SEKHARAN. NDG.	ENM/PAR G	Branch, particle and modifier (see Appendix B for definitions)
	<u>Cr(p,x)⁵¹Cr</u> $\sigma(E)$					Laboratory code (see Appendix D for expansions)
92	RIC J JGR 81	5689	76	1.9+1 4.4+1 WALTON+ TBL. DEDUCED FROM SS-302 MEASUR		
	<u>Cr(p,x)⁵²Mn</u> $\sigma(E)$					Reference code (see Appendix C for explanation of notation and for expansions)
93	RIC J JGR 81	5689	76	1.9+1 WALTON+ (45+-10)MB FROM SS-302 MEASURE.		
	<u>⁵⁰Cr(p,n)⁵⁰Mn</u> $\sigma(E)$					
94	FSU J PR/C 8	711	73	8.5+0 8.6+0 MCKENNA+ CURV. THRESH=(8.585+-0.008)MEV		
	4 EXFORB0010.002	76	8.6+0	8.6+0 . 9 ENTRIES. T1/2=0.286S.		Entry number of reference block (see Section V)
	<u>⁵⁰Cr(p,n)⁵⁰Mn</u> $\sigma(E)$					
95	FSU J PR/C 8	711	73	8.6+0 9.0+0 MCKENNA+ CURV. THRESH=(8.837+-0.01-0.02)	PAR PAR	
	4 EXFORB0010.003	76	8.8+0	9.0+0 . 11 ENTRIES. T1/2=1.76M.		Data index line data available from cooperating centers (see table 2)
	<u>⁵²Cr(p,n)⁵²Mn</u> $\sigma(E)$					
96	ALA J NP/A 274	53	076	6.3+0 7.3+0 TAYLOR+ TBL. EG=.732-1.279 REL TO .168	PAR G	
	<u>⁵⁵Mn(p,n)⁵⁵Fe</u> $\sigma(E)$					
97	HAR Q UKNDC(76)-P80	776	TR	1.6+2 SYME+ CURV. P. 28		
	<u>⁵⁵Mn(p,n)⁵⁵Fe</u> $\sigma(E)$					First author and comments (see Appendix E for expansions of commonly used abbreviations)
98	KOU J CJP 53	2631	75	2.8+0 3.6+0 ROBERTSON+ CURV. 92-1408 KEV GAMMAS.	PAR/ENM G.	
99	TRM Q INDC(SEC)-50	176	1.4+0	5.4+0 KAILAS+ NDG. 4PI DET. 5KEV STPS. P. 135		
	<u>Fe(p,x)⁵¹Cr</u> $\sigma(E)$					
100	RIC J JGR 81	5689	76	1.9+1 4.4+1 WALTON+ TBL. STAINLESS STEEL TYPE 302.		
	J JGR 78	314	74	1.9+1 4.4+1 . PART. SUPER. CORR. TO JGR 78,6428(73)		
	J JGR 78	6428	73	1.9+1 4.4+1 . PART. SUPER. BY JGR 79,314(74)		

FIGURE 1. DESCRIPTION OF MAIN SUBSECTION

Table 4
Selected Evaluations, Reviews, and Compilations of
Charged-Particle Nuclear Data

1. H.J. Kim, W.T. Milner, and F.K. McGowan. "Nuclear Cross Sections for Charged-Particle-Induced Reactions." Nuclear Data A2, 1 (1966); Nuclear Data A3, 123 (1967).
2. 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 $T(d,n)^4\text{He}$." Nuclear Data Tables 11, 569 (1973).
"Neutron Production Cross Sections and Energies for the Reactions $^7\text{Li}(p,n)^7\text{Be}$ and $^7\text{Li}(p,n)^7\text{Be}^*$." Atomic Data and Nuclear Data Tables 15, 57 (1975).
3. J. Lorenzen and D. Brune. "Excitation Functions for Charged-Particle-Induced Nuclear Reactions of Light Elements at Low Projectile Energies." International Atomic Energy Agency Technical Report Series 156.
4. R.J. de Meijer, A.G. Drentje, and H.S. Plendl. "Tables for Reaction Gamma-Ray Spectroscopy." Atomic Data and Nuclear Data Tables 15, 391 (1975).
5. M.A. Melkanoff, T. Sawada, and N. Cindro. "Deuteron Absorption Coefficients and Reaction Cross Sections Calculated with Optical Model Parameters." Nuclear Data Tables A2, 263 (1966).
6. W. Neubert. "Peak Cross Sections for (H^1, xn) Reactions." Nuclear Data Tables A11, 531 (1973).
7. S. Pearlstein. "Starter Evaluated Charged Particle Data Library." BNL-19148 (1974).
8. E.K. Warburton, et al. "Gamma-Rays from Fusion-Evaporation Reactions in $32 < A < 46$ Nuclei." Atomic Data and Nuclear Data Tables 14, 147 (1974).

VII RETRIEVAL CAPABILITIES

Retrievals may be obtained based on target nucleus, incident particle, outgoing particles or process, residual nucleus, quantity, branch, particle detected, modifiers (see Appendix B), energy range of incident particle or any combination. Send requests to

National Nuclear Data Center
Building 197C
Brookhaven National Laboratory
Upton, New York 11973
U.S.A.

For more specific information, contact the authors of this publication.

All Information Analysis Centers supported by the Energy Research and Development Agency are required to conform with an ERDA plan for charging services. There is no charge to ERDA and its contractors; however, there could be nominal charges to others. Further information will be supplied on request.

VIII FUTURE PROJECTIONS

This is the first issue of a planned annual publication. Subsequent issues of this publication will depend upon a favorable response to this first issue. Also, as has been noted above, the scope of the present issue is very limited. The scope could be expanded if there is sufficient demand by the users. As one example, one of the authors (TWB) has noted, incidental to the scanning effort required to produce this issue, that there appears to be a large body of pion-induced integral cross section data which would be useful for isotope production.

IX ACKNOWLEDGEMENTS

The authors wish to thank C. L. Dunford for his early planning of the format and scope of the computerized charged-particle bibliography file. We are also grateful to G. Waite for the many hours she spent scanning the literature, and R. Kinsey for his aid in producing the graphics programs necessary for this publication. We wish to acknowledge the timely transmittal of the first tape of data compiled by the Karlsruhe Charged Particle Group. Finally, we wish to thank the staff of the National Nuclear Data Center for their aid and encouragement and many useful suggestions.

References

1. F.K. McGowan and W.T. Milner. "Reaction List for Charged-Particle-Induced Nuclear Reactions. 1974-1975." Atomic and Nuclear Data Tables 18, 1 (1976).
2. W.B. Ewbank, R.L. Haese, F.W. Hurley, and M.R. McGinnis. "Recent References." Nuclear Data Sheets 20, 1 (1977).

EXPERIMENTAL REFERENCES

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	¹ H(p,total) σ(E)				
1 UI A DA/B	36 4552 76 1 5+*			POTTER. TEST FOR PARITY CONSERVATION.	
	³ He(p,absorption) σ(E)				
2 MNA J PR/C	13 451 76 1.8+1 4.8+1			SOURKES+ TBL. 10 POINTS. ATTEN TECH.	
	⁴ He(p,absorption) σ(E)				
3 MNA J PR/C	13 451 76 1.8+1 4.8+1			SOURKES+ TBL. 16 POINTS. ATTEN TECH.	
	Li(p,n) product yield				
4 USP A 76LOWELL	1388 776 7.0+0 1.0+1			CYBULSKA+ NDG. APPRECIABLE CONTINUUM	EMH
	Li(p,n) thick target yield				
5 BIR A BAP	21 1337 76 TR 3.0+0			CAMPBELL+ NDG.	EMH
6 TNL A 76LOWELL	1476 776 +1			NELSON+ NDG.	EMH
	⁶ Li(p,absorption) σ(E)				
7 MNA A BAP	21 987 76 2.5+1 4.8+1			SOURKES+ NDG. MODIFIED ATTENUATION TECH	
	⁶ Li(p,npα) ¹ H σ(E)				
8 MNA A BAP	21 535 76 2.9+1			BONBRIGHT+ NDG	SEO
	⁶ Li(p,pα) ² H σ(E)				
9 MNA A BAP	21 535 76 2.9+1			BONBRIGHT+ NDG	SEO
	⁶ Li(p,α) ³ He σ(E)				
10 SHI J NP/A	275 93 177 1.0+0 2.6+0			CHIA-SHOU+ TBL. CURV. INT. ANG. DIST.	
	⁷ Li(p,absorption) σ(E)				
11 MNA A BAP	21 987 76 2.5+1 4.8+1			SOURKES+ NDG. MODIFIED ATTENUATION TECH	
	⁷ Li(p,α) ⁴ He σ(E)				
12 UPP A BAP	21 535 76 1.6+0 1.2+1			SANDHU+ NDG. RESONANCES AT 3.0,5.8,6.8	REL
	⁷ Li(p,n) ⁷ Be σ(E)				
13 KTY J NIM	138 321 76 3.1+0 4.9+0			BRANDENBERGER+ LVL=0.431. ASS. G METHOD	PAR
14 KTY J NIM	133 253 76 +0 4.2+0			SEKHARAN+ CURV. 4PI NETRON DETECTOR	
15 LRL J PR/C	14 438 76 4.2+0 2.6+1			POPPE+ CURV. TDF. INTEGRATED ANG. DIST.	
16 MSU A BAP	21 1007 76 2.5+1 4.5+1			SCHERY+ NDG. ACTIVATION METHOD.	
	Be(p,n) σ(E)				
17 TAM J MED	3 45 76 8.0+0 5.0+1			SMATHERS+ CURV. TBL. TISSUE KERMA	EMH FCT
	Be(p,x) ⁷ Be σ(E)				
18 TOK J JIN	38 1425 76 1.5+1 5.2+1			INOUE+ CURV. STACKED FOIL METHOD.	
	⁹ Be(p,n) thick target yield				
19 BIR A BAP	21 1337 76 TR 3.0+0			CAMPBELL+ NDG.	EMH
	⁹ Be(p,α) ⁶ Li product yield				
20 KFI P INDC(SEC)-5064	176 5.0-2 2.0-1			SZENTPETERY. NDG. WORK IN PROGRESS.	
	⁹ Be(p,α) ⁶ Li σ(E)				
21 KTD J BCR	52 177 174 4.6+0 5.5+0			YASUE+ TBL. A(0)-A(2) GRPS.	PAR
	⁹ Be(p,d) ⁸ Be product yield				
22 KFI P INDC(SEC)-5064	176 5.0-2 2.0-1			SZENTPETERY. NDG. WORK IN PROGRESS.	
	⁹ Be(p,inelastic) ⁹ Be σ(E)				
23 KTD J BCR	52 177 174 4.0+0 6.0+0			YASUE+ CURV. P(2) GRP. FCT=1/4PI.	PAR FCT
	B(p,absorption) σ(E)				
24 MNA A BAP	21 789 76 2.0+1 5.0+1			NASR+ NDG.	
	B(p,x) ⁷ Be σ(E)				
25 TOK J JIN	38 1425 76 4.0+0 5.2+1			INOUE+ CURV. STACKED FOIL METHOD.	
	¹⁰ B(p,α) ⁷ Li σ(E)				
26 FLA A BAP	21 514 76 8.0-1 2.5+0			GRIGGS+ NDG. OBSERVED STRONG RESONANCES	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	¹¹ B(p,α) ⁸ Be product yield				
27	KFI P INDC(SEC)-5064	176	5.0-2 2.0-1	SZENTPETERY. NOG. WORK BEING PLANNED.	
	¹² C(p, ⁷ Li+x) σ(E)				
28	MRY J PR/C 14	410	76 1.0+2	ROCHE+ (9.6+-2.4)MB	
	¹² C(p, ⁷ Be+x) σ(E)				
29	MRY J PR/C 14	410	76 1.0+2	ROCHE+ (11.5+-2.6)MB	
	¹² C(p, ¹⁰ Be+x) σ(E)				
30	MRY J PR/C 14	410	76 1.0+2	ROCHE+ (0.5+0.4-0.2)MB	
	¹² C(p,γ) ¹³ N σ(E)				
31	UBC J NP/A 263	109	76 9.0+0 2.4+1	BERGHOFER+ CURV. FCT=1./4PI. G'S TO GND	EMM
	¹² C(p,inelastic) ¹³ N σ(E)				
32	UBC J NP/A 263	109	76 1.8+1 2.3+1	BERGHOFER+ CURV. FCT=1./4PI. 15.11MEV G	
	J NP/A 263	109	76 1.8+1 2.3+1	BERGHOFER+ CURV. FCT=1./4PI. 12.71MEV G	
	¹² C(p,spallation)Spallation fragments σ(E)				
33	MRY J PR/C 14	410	76 4.5+1 1.0+2	ROCHE+ TBL. A=6,7,9,10,11.	PRD
	N(p,x) ⁷ Be σ(E)				
34	TOK J JIN 38	1425	76 1.1+1 5.2+1	INOUE+ CURV. STACKED FOIL METHOD.	
	¹⁴ N(p,α) ¹¹ C σ(E)				
35	CAL J PR/C 13	524	76 3.8+0 6.5+0	INGALLS+ TBL. 47 POINTS.	
	¹⁴ N(p,γ) ¹⁵ O σ(E)				
36	VAL A R&P 21	514	76 2.0-1 2.6+0	TRAUTVETTER+ NOG.	
	O(p,x) ⁷ Be σ(E)				
37	TOK J JIN 38	1425	76 2.8+1 5.2+1	INOUE+ CURV. STACKED FOIL METHOD.	
	²³ Na(p,n) ²³ Mg σ(E)				
38	CAL J NP/A 256	163	76 5.1+0 1.2+1	MANN+ CURV. MEASURED DELAY GAMMAS	
39	KTY A OA/B 37	2347	N76 5.1+0 5.8+0	SEKHARAN. NOG. 4PI DETECTOR.	
	Mg(p, ³ He) σ(E)				
40	RIC J JGR 81	5689	76 1.2+1 4.5+1	WALTON+ CURV.	
	J JGR 79	314	74 1.5+1 4.2+1	. PART. SUPER. CORR. TO JGR 78,6428(73)	
	J JGR 78	6428	73 1.5+1 4.2+1	. PART. SUPER. BY JGR 79,314(74)	
	Mg(p,α) σ(E)				
41	RIC J JGR 81	5689	76 1.2+1 4.5+1	WALTON+ CURV.	
	J JGR 79	314	74 1.5+1 4.2+1	. PART. SUPER. CORR. TO JGR 78,6428(73)	
	J JGR 78	6428	73 1.5+1 4.2+1	. PART. SUPER. BY JGR 79,314(74)	
	Mg(p,x) ²⁸ Ne σ(E)				
42	RIC J JGR 81	5689	76 1.2+1 4.5+1	WALTON+ CURV.	
	J JGR 79	314	74 1.5+1 4.2+1	. PART. SUPER. CORR. TO JGR 78,6428(73)	
	J JGR 78	6428	73 1.5+1 4.2+1	. PART. SUPER. BY JGR 79,314(74)	
	Mg(p,x) ²¹ Ne σ(E)				
43	RIC J JGR 81	5689	76 1.2+1 4.5+1	WALTON+ CURV.	
	J JGR 79	314	74 1.5+1 4.2+1	. PART. SUPER. CORR. TO JGR 78,6428(73)	
	J JGR 78	6428	73 1.5+1 4.2+1	. PART. SUPER. BY JGR 79,314(74)	
	Mg(p,x) ²² Ne σ(E)				
44	RIC J JGR 81	5689	76 1.2+1 4.5+1	WALTON+ CURV.	CUM
	J JGR 79	314	74 1.5+1 4.2+1	. PART. SUPER. CORR. TO JGR 78,6428(73)	CUM
	J JGR 78	6428	73 1.5+1 4.2+1	. PART. SUPER. BY JGR 79,314(74)	CUM
45	RIC J JGR 81	5689	76 1.6+1 4.5+1	WALTON+ CURV.	IND
	J JGR 79	314	74 2.2+1 4.2+1	. PART. SUPER. CORR. TO JGR 78,6428(73)	IND
	J JGR 78	6428	73 2.2+1 4.2+1	. PART. SUPER. BY JGR 79,314(74)	IND
	Mg(p,x) ²¹ Ne σ(E)				
46	CLU J PR/C 13	976	76 1.5+1 2.7+1	WILSON+ TBL. ENERGY SPREAD 0.4 TO 0.7	
	Mg(p,x) ²⁴ Ne σ(E)				
47	CLU J PR/C 13	976	76 1.5+1 2.7+1	WILSON+ TBL. ENERGY SPREAD 0.4 TO 0.7	

EXPERIMENTAL REFERENCES(cont)

No.	Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
		$\text{Hg}(p,x)^{25}\text{Ne}$			$\sigma(E)$	
48	CLU J	PR/C 13 976	76	1.5+1 2.7+1	WILSON+ TBL. ENERGY SPREAD 0.4 TO 0.7	
		$\text{Hg}(p,x)^{22}\text{Hg}$			$\sigma(E)$	
49	CLU J	PR/C 13 976	76	1.5+1 2.7+1	WILSON+ TBL. ENERGY SPREAD 0.4 TO 0.7	
		$\text{Hg}(p,x)^{23}\text{Hg}$			$\sigma(E)$	
50	CLU J	PR/C 13 976	76	1.5+1 2.7+1	WILSON+ TBL. ENERGY SPREAD 0.4 TO 0.7	
		$\text{Hg}(p,x)^{24}\text{Al}$			$\sigma(E)$	
51	CLU J	PR/C 13 976	76	1.5+1 2.7+1	WILSON+ TBL. ENERGY SPREAD 0.4 TO 0.7	
		$^{24}\text{Hg}(p,\text{absorption})$			$\sigma(E)$	
52	MNA A	BAP 21 1294	76	1.8+1 5.0+1	SOURCES+ NDG. BEAM ATTENUATION TECH.	
		$^{25}\text{Hg}(p,\text{elastic})^{25}\text{Hg}$			$\sigma(E)$	
53	IBJ J	JP/G 2 831	76	9.1+0	HERMAN+ CURV. RATIO TO HAUSER-FESHBACH.	FCT
		$^{26}\text{Hg}(p,\text{elastic})^{26}\text{Hg}$			$\sigma(E)$	
54	IBJ J	JP/G 2 831	76	9.1+0	HERMAN+ CURV. RATIO TO HAUSER-FESHBACH.	FCT
		$^{27}\text{Al}(p,x)^{27}\text{Be}$			$\sigma(E)$	
55	PUR J	PR/C 14 1506	76	8.2+1 8.0+2	HEYDEGGAR+ TBL. CURV.	
		$^{27}\text{Al}(p,x)^{29}\text{Ne}$			$\sigma(E)$	
56	RIC J	JGR 81 5689	76	1.6+1 4.2+1	WALTON+ CURV.	
	JGR	79 314	74	1.6+1 4.2+1	PART. SUPER. CORR. TO JGR 78,6428(73)	
	JGR	78 6428	73	1.6+1 4.2+1	PART. SUPER. BY JGR 79,314(74)	
		$^{27}\text{Al}(p,x)^{21}\text{Ne}$			$\sigma(E)$	
57	RIC J	JGR 81 5689	76	1.6+1 4.3+1	WALTON+ CURV.	
	JGR	79 314	74	1.6+1 4.2+1	PART. SUPER. CORR. TO JGR 78,6428(73)	
	JGR	78 6428	73	1.6+1 4.2+1	PART. SUPER. BY JGR 79,314(74)	
		$^{27}\text{Al}(p,x)^{22}\text{Ne}$			$\sigma(E)$	
58	RIC J	JGR 81 5689	76	1.6+1 4.2+1	WALTON+ CURV.	IND
	JGR	79 314	74	1.6+1 4.2+1	PART. SUPER. CORR. TO JGR 78,6428(73)	IND
	JGR	78 6428	73	1.6+1 4.2+1	PART. SUPER. BY JGR 79,314(74)	IND
		$^{27}\text{Al}(p,x)^{22}\text{Ne}$			$\sigma(E)$	
59	PUR J	PR/C 14 1506	76	8.2+1 8.0+2	HEYDEGGAR+ TBL. CURV.	
60	RIC J	JGR 81 5689	76	2.7+1 4.0+1	WALTON+ CURV.	
		$^{27}\text{Al}(p,x)^{23}\text{Hg}$			$\sigma(E)$	
61	CLU J	PR/C 13 976	76	1.5+1 2.7+1	WILSON+ TBL. ENERGY SPREAD 0.4 TO 0.7	
		$^{27}\text{Al}(p,u)^{24}\text{Hg}$			$\sigma(E)$	
62	DEB P	INDC(SEC)-50 176	+0		HUNYADI+ NDG. 14 ENERGIES. P. 111	
63	RIC J	JGR 81 5689	76	1.6+1 4.0+1	WALTON+ CURV.	
	JGR	79 314	74	1.6+1 4.2+1	PART. SUPER. CORR. TO JGR 78,6428(73)	
	JGR	78 6428	73	1.6+1 4.2+1	PART. SUPER. BY JGR 79,314(74)	
		$^{27}\text{Al}(p,\text{he3})^{25}\text{Hg}$			$\sigma(E)$	
64	RIC J	JGR 81 5689	76	1.6+1 4.3+1	WALTON+ CURV.	
	JGR	79 314	74	1.6+1 4.2+1	PART. SUPER. CORR. TO JGR 78,6428(73)	
	JGR	78 6428	73	1.6+1 4.2+1	PART. SUPER. BY JGR 79,314(74)	
		$^{27}\text{Al}(p,x)^{28}\text{Hg}$			$\sigma(E)$	
65	PUR J	PR/C 14 1506	76	8.2+1 8.0+2	HEYDEGGAR+ TBL. FROM TARGET CONTAMINANT	
		$^{27}\text{Al}(p,t)^{29}\text{Al}$			$\sigma(E)$	
66	RIC J	JGR 81 5689	76	1.6+1 4.5+1	WALTON+ CURV. ESTIMATED.	
		$^{27}\text{Al}(p,2n)^{26}\text{Si}$			$\sigma(E)$	
67	CLU J	PR/C 13 976	76	1.5+1 2.7+1	WILSON+ TBL. ENERGY SPREAD 0.4 TO 0.7	
		$^{27}\text{Al}(p,n)^{27}\text{Si}$			$\sigma(E)$	
68	CLU J	PR/C 13 976	76	1.5+1 2.7+1	WILSON+ TBL. ENERGY SPREAD 0.4 TO 0.7	
69	KTY J	NIM 133 253	76	+0 6.4+0	SEKHARAN+ CURV. 4PI NEUTRON DETECTOR	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
$^{27}\text{Al}(p,\gamma)^{28}\text{Si}$ $\sigma(E)$					
70 GFO J NIM	131	517	075 9.9-1	SCOTT+ TBL. EG=1.5223-12.543.	PAR REL
$\text{Si}(p,^3\text{He})$ $\sigma(E)$					
71 RIC J JGR	81	5689	76 1.8+1 4.4+1	WALTON+ CURV.	
J JGR	79	314	74 2.1+1 4.5+1	PART. SUPER. CORR. TO JGR 78,6428(73)	
J JGR	78	6428	73 2.1+1 4.5+1	PART. SUPER. BY JGR 79,314(74)	
$\text{Si}(p,\alpha)$ $\sigma(E)$					
72 RIC J JGR	81	5689	76 1.7+1 4.5+1	WALTON+ CURV.	
J JGR	79	314	74 2.1+1 4.5+1	PART. SUPER. CORR. TO JGR 78,6428(73)	
J JGR	78	6428	73 2.1+1 4.5+1	PART. SUPER. BY JGR 79,314(74)	
$\text{Si}(p,x)^{20}\text{Ne}$ $\sigma(E)$					
73 RIC J JGR	81	5689	76 2.9+1 4.4+1	WALTON+ CURV.	
J JGR	79	314	74 2.1+1 4.5+1	PART. SUPER. CORR. TO JGR 78,6428(74)	
J JGR	78	6428	73 2.1+1 4.5+1	PART. SUPER. BY JGR 79,314(74)	
$\text{Si}(p,x)^{21}\text{Ne}$ $\sigma(E)$					
74 RIC J JGR	81	5689	76 1.8+1 4.4+1	WALTON+ CURV.	
J JGR	79	314	74 2.1+1 4.5+1	PART. SUPER. CORR. TO JGR 78,6428(73)	
J JGR	78	6428	73 2.1+1 4.5+1	PART. SUPER. BY JGR 79,314(74)	
$\text{Si}(p,x)^{22}\text{Ne}$ $\sigma(E)$					
75 RIC J JGR	81	5689	76 2.9+1 4.5+1	WALTON+ CURV.	CUM
J JGR	79	314	74 2.1+1 4.5+1	PART. SUPER. CORR. TO JGR 78,6428(73)	CUM
J JGR	78	6428	73 2.1+1 4.5+1	PART. SUPER. BY JGR 79,314(74)	CUM
76 RIC J JGR	81	5689	76 3.4+1 4.5+1	WALTON+ CURV.	IND
J JGR	79	314	74 2.1+1 4.5+1	PART. SUPER. CORR. TO JGR 78,6428(74)	IND
J JGR	78	6428	73 2.1+1 4.5+1	PART. SUPER. BY JGR 79,314(74)	IND
$\text{Si}(p,x)^{22}\text{Ne}$ $\sigma(E)$					
77 RIC J JGR	81	5689	76 1.8+1 4.5+1	WALTON+ CURV.	
J JGR	79	314	74 2.1+1 4.5+1	PART. SUPER. CORR. TO JGR 78,6428(73)	
J JGR	78	6428	73 2.1+1 4.5+1	PART. SUPER. BY JGR 79,314(74)	
$\text{Si}(p,x)^{23}\text{Al}$ $\sigma(E)$					
78 CLU J PR/C	13	976	76 1.5+1 2.7+1	WILSON+ TBL. ENERGY SPREAD 0.4 TO 0.7	
$\text{Si}(p,x)^{28}\text{Al}$ $\sigma(E)$					
79 CLU J PR/C	13	976	76 1.5+1 2.7+1	WILSON+ TBL. ENERGY SPREAD 0.4 TO 0.7	
$\text{Si}(p,x)^{29}\text{Al}$ $\sigma(E)$					
80 CLU J PR/C	13	976	76 1.5+1 2.7+1	WILSON+ TBL. ENERGY SPREAD 0.4 TO 0.7	
$\text{Si}(p,x)^{27}\text{Si}$ $\sigma(E)$					
81 CLU J PR/C	13	976	76 1.5+1 2.7+1	WILSON+ TBL. ENERGY SPREAD 0.4 TO 0.7	
$\text{Si}(p,x)^{28}\text{P}$ $\sigma(E)$					
82 CLU J PR/C	13	976	76 1.5+1 2.7+1	WILSON+ TBL. ENERGY SPREAD 0.4 TO 0.7	
$\text{Si}(p,x)^{29}\text{P}$ $\sigma(E)$					
83 CLU J PR/C	13	976	76 1.5+1 2.7+1	WILSON+ TBL. ENERGY SPREAD 0.4 TO 0.7	
$^{31}\text{P}(p,\gamma)^{32}\text{S}$ $\sigma(E)$					
84 CCP J UF2	20	1787 N75	1.9+0 3.0+0	KOSTIN+ CURV.	RAW
$\text{S}(p,x)^{34}\text{Cl}$ thick target yield					
85 FEI J ARI	27	159	76 8.0+0 2.2+1	ZATOLOKIN+ CURV. T1/2=32.2MIN.	
$\text{Cl}(p,x)^{34}\text{Cl}$ thick target yield					
86 FEI J ARI	27	159	76 1.4+1 2.2+1	ZATOLOKIN+ CURV. T1/2=32.2MIN.	
$^{35}\text{Cl}(p,\gamma)^{36}\text{Ar}$ $\sigma(E)$					
87 KOU J PR/C	14	1320	76 2.4+0 2.4+0	MARTIN+ CURV. E(G)=1.97, E(G)=2.6-3.2	PAR REL
$\text{Ca}(p,x)^{36}\text{Ar}$ $\sigma(E)$					
88 RIC J JGR	81	5689	76 1.9+1 4.4+1	WALTON+ CURV.	
$\text{Ca}(p,x)^{37}\text{Ar}$ $\sigma(E)$					
89 RIC J JGR	81	5689	76 1.9+1 4.4+1	WALTON+ CURV.	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	Ca(p,x) ³⁸ Ar σ(E)				
90 RIC J JGR	81 5689	76 1.9+1	4.4+1	WALTON+ CURV.	
	Cj(p,x) ³⁸ Ar σ(E)				
91 RIC J JGR	81 5629	76 1.9+1	4.4+1	WALTON+ CURV.	
	Ca(p,x) ⁴² Ar σ(E)				
92 RIC J JGR	81 5689	76 1.9+1	4.4+1	WALTON+ TBL.	
	Ca(p,x) ⁴⁷ Sc σ(E)				
93 RIC J JGR	79 314	74 1.4+1	4.1+1	WALTON+ CORR. TO JGR 78,6428(73)	
J JGR	78 6428	73 1.4+1	4.1+1	PART. SUPER. BY JGR 79,314(74).	
	Ca(p, ³ He) σ(E)				
94 RIC J JGR	81 5689	76 1.9+1	4.4+1	WALTON+ TBL. CMP=CAFZ.	
	Ca(p,α) σ(E)				
95 RIC J JGR	81 5689	76 1.9+1	4.4+1	WALTON+ TBL. CMP=CAFZ.	
	⁴⁸ Ca(p,n) ⁴⁸ Sc product yield				
96 CLU A DA/B	37 1752	076 5.5+0	9.0+0	EDWARDS. NDG.	
	⁴⁸ Ca(p,γ) ⁴⁸ Sc σ(E)				
97 LRL J NP/A	259 75	76 6.0+0	6.2+0	DIETRICH+ 4PI+SIGMA(THETA=55 DEGREES)	(CUM)
	⁴⁵ Sc(p,inelastic) ⁴⁵ Sc product yield				
98 DEB P INDC(SEC)-50	176 2.0+0	4.0+0	DANG+ NDG. 42 u ⁺ MA RAYS STUD. P. 113	PAR	
	⁴⁵ Sc(p,γ) ⁴⁶ Ti product yield				
99 RAH P INDC(SEC)-5013	176 1.2+0	3.0+0	RAHMAN+ NDG. STUDIED IAS OF SC46.		
	Ti(p,absorption) σ(E)				
100 MNA A BAP	21 789	76 2.0+1	5.0+1	NASR+ NDG.	
	Ti(p,x) ⁴⁴ V σ(E)				
101 RIC J JGR	81 5689	76 1.7+1	4.3+1	WALTON+ TBL. STAINLESS STEEL TYPE 302.	
J JGR	79 314	74 1.7+1	4.3+1	PART. SUPER. CORR. TO JGR 78,6428(73)	
J JGR	78 6428	73 1.7+1	4.3+1	PART. SUPER. BY JGR 79,314(74)	
	⁵¹ V(p,n) ⁵¹ Cr σ(E)				
102 KTY A DA/B	37 2347	N76 4.0+0	4.4+0	SEKHARAN. NDG.	EMM/PAR G
	Cr(p,x) ⁵¹ Cr σ(E)				
103 RIC J JGR	81 5689	76 1.9+1	4.4+1	WALTON+ TBL. DEDUCED FROM SS-302 MEASUR	
	Cr(p,x) ⁵² Mn σ(E)				
104 RIC J JGR	81 5689	76 1.9+1		WALTON+ (45+-10)MB FROM SS-302 MEASURE.	
	⁵⁰ Cr(p,n) ⁵⁰ Mn σ(E)				
105 FSU J PR/C	8 711	73 8.5+0	8.6+0	MCKENNA+ CURV. THRESH=(8.585+-0.008)MEV	
4 EXFORB0010.002		76 8.6+0	8.6+0	9 ENTRIES. T1/2=0.2865.	
	⁵⁰ Cr(p,n) ⁵⁰ Mn σ(E)				
106 FSU J PR/C	8 711	73 8.6+0	9.0+0	MCKENNA+ CURV. THRESH=(8.837+0.01-0.02)	PAR
4 EXFORB0010.003		76 8.8+0	9.0+0	11 ENTRIES. T1/2=1.76H.	PAR
	⁵² Cr(p,n) ⁵² Mn σ(E)				
107 ALA J NP/A	274 53	076 6.3+0	7.3+0	TAYLOR+ TBL. EG=.732-1.279 REL TO .168	PAR G
	⁵⁵ Mn(p,4n) ⁵² Fe σ(E)				
108 HAR P UKNDC-P-80	776 TR	1 6+2	SYME+ CURV. P. 28		
	⁵⁵ Mn(p,n) ⁵⁵ Fe σ(E)				
109 KOU J CJP	53 2631	75 2.8+0	3.6+0	ROBERTSON+ CURV. 92-1408 KEV GAMMAS. PAR/EMM G	
110 TRM P INDC(SEC)-50	176 1.4+0	5.4+0	KAILAS+ NDG. 4PI DET. 5KEV STPS. P. 135		
	Fe(p,x) ⁵¹ Cr σ(E)				
111 RIC J JGR	81 5689	76 1.9+1	4.4+1	WALTON+ TBL. STAINLESS STEEL TYPE 302.	
J JGR	79 314	74 1.9+1	4.4+1	PART. SUPER. CORR. TO JGR 78,6428(73)	
J JGR	78 6428	73 1.9+1	4.4+1	PART. SUPER. BY JGR 79,314(74)	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
Fe(p,x)⁵²Mn σ(E)					
112 RIC J JGR	81 5689	76	1.9+1 4.4+1	WALTON+ TBL. STAINLESS STEEL TYPE 302.	
J JGR	79 314	74	1.9+1 4.4+1	. PART. SUPER. CORR. TO JGR 78,6428(73)	
J JGR	78 6428	73	1.9+1 4.4+1	. PART. SUPER. BY JGR 79,314(74)	
Fe(p,xn)⁵⁶Co σ(E)					
113 TNL J NIM	138 179 D76 TR		6.3+0	NIILER+ TBL. CURV. STACKED FOILS.	REL
Fe(p,xn)⁵⁶Co thick target yield					
114 TNL J NIM	138 179 D76 TR		6.3+0	NIILER+ TBL. CURV. STACKED FOILS.	REL
Fe(p,x)⁵⁷Co σ(E)					
115 RIC J JGR	81 5689	76	1.9+1 4.4+1	WALTON+ TBL. STAINLESS STEEL TYPE 302.	
J JGR	79 314	74	1.9+1 4.4+1	. PART. SUPER. CORR. TO JGR 78,6428(73)	
J JGR	78 6428	73	1.9+1 4.4+1	. PART. SUPER. BY JGR 79,314(74)	
⁵⁴Fe(p,x) σ(E)					
116 INU A BAP	21 979	76	8.0+1 1.4+2	JASTRZEBSKI+ NDG. MAX SIG=60MB.	PRD
⁵⁶Fe(p,x) σ(E)					
117 INU A BAP	21 979	76	8.0+1 1.4+2	JASTRZEBSKI+ NDG. MAX SIG=60MB.	PRD
⁵⁶Fe(p,inelastic)⁵⁶Fe σ(E)					
118 LRL A BAP	21 662	76	7.0+0 2.6+1	KOOPHAN+ NDG. ALSO DEDUCED SCT	EMM
⁵⁶Fe(p,n)⁵⁶Co σ(E)					
119 BRL A BAP	21 611	76	TR	6.3+0 NIILER+NDG.3 PR CNT REL. ACC. STCK FOIL	
⁵⁶Fe(p,γ)⁵⁷Co product yield					
120 RAM P INDC(SEC)-5013	176 1.2+0 3 0+0			RAHMAN+ NDG. 9 ANALOGUE STATES OF FE57.	
⁵⁹Co(p,n) thick target yield					
121 BIR A BAP	21 1337	76	TR	3.0+0 CAMPBELL+ NDG.	EMM
Ni(p,x)⁵⁸Co σ(E)					
122 TOK J JIN	34 2419	72	1.6+1 5.7+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	
4 EXFORB0020.021		76	1.6+1 5.7+1	. 15 ENTRIES.	
⁵⁸Ni(p,x) σ(E)					
123 INU A BAP	21 979	76	8.0+1 1.4+2	JASTRZEBSKI+ NDG. MAX SIG=60MB.	PRD
⁵⁸Ni(p,n2p)⁵²Mn σ(E)					
124 TOK J JIN	34 2419	72	3.9+1 5.6+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	
4 EXFORB0020.009		76	3.9+1 5.6+1	. 8 ENTRIES.	
⁵⁸Ni(p,2np)⁵²Fe σ(E)					
125 TOK J JIN	34 2419	72	4.2+1 5.6+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	CUM
4 EXFORB0020.006		76	4.2+1 5.6+1	. 6 ENTRIES.	CUM
⁵⁸Ni(p,npa)⁵³Fe σ(E)					
126 TOK J JIN	34 2419	72	3.3+1 5.6+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	
4 EXFORB0020.005		76	3.3+1 5.6+1	. 8 ENTRIES.	CUM/(M)
⁵⁸Ni(p,α)⁵⁵Co σ(E)					
127 TOK J JIN	34 2419	72	9.0+0 5.7+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	CUM
4 EXFORB0020.004		76	9.0+0 5.7+1	. 27 ENTRIES.	CUM
⁵⁸Ni(p,n2p)⁵⁶Co σ(E)					
128 TOK J JIN	34 2419	72	2.7+1 5.6+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	
4 EXFORB0020.008		76	2.7+1 5.6+1	. 13 ENTRIES.	
⁵⁸Ni(p,2p)⁵⁷Co σ(E)					
129 TOK J JIN	34 2419	72	1.3+1 5.7+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD	
4 EXFORB0020.007		76	1.3+1 5.7+1	. 22 ENTRIES.	
⁵⁸Ni(p,2np)⁵⁶Ni σ(E)					
130 TOK J JIN	34 2419	72	2.7+1 5.7+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	CUM
4 EXFORB0020.003		76	2.7+1 5.7+1	. 14 ENTRIES.	CUM
⁵⁸Ni(p,np)⁵⁷Ni σ(E)					
131 TOK J JIN	34 2419	72	1.3+1 5.7+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	CUM

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	⁵⁸ Ni(p,np) ⁵⁷ Ni σ(E)				
131 TOK 4	EXFORB0020.002	76 1.3+1	5.7+1	. 23 ENTRIES.	CUM
	⁶⁰ Ni(p,x) σ(E)				
132 INU A BAP 21	979	76 8.0+1	1.4+2	JASTRZEBSKI+ NDG. MAX SIG=60MB.	PRD
	⁶⁰ Ni(p,n2p) ⁵⁶ Mn σ(E)				
133 TOK J JIN 34	2419	72 4.2+1	5.6+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	
	4 EXFORB0020.015	76 4.2+1	5.6+1	. 7 ENTRIES.	
	⁶⁰ Ni(p,2na) ⁵⁵ Co σ(E)				
134 TOK J JIN 34	2419	72 3.5+1	5.5+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	
	4 EXFORB0020.014	76 3.5+1	5.5+1	. 5 ENTRIES.	
	⁶⁰ Ni(p,na) ⁵⁶ Co σ(E)				
135 TOK J JIN 34	2419	72 2.7+1	5.5+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	
	4 EXFORB0020.013	76 2.7+1	5.5+1	. 7 ENTRIES.	
	⁶⁰ Ni(p,a) ⁵⁷ Co σ(E)				
136 TOK J JIN 34	2419	72 6.8+0	5.5+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	
	4 EXFORB0020.011	76 6.8+0	5.5+1	. 15 ENTRIES.	
	⁶⁰ Ni(p,n2p) ⁵⁸ Co σ(E)				
137 TOK J JIN 34	2419	72 2.7+1	5.7+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	(M)
	4 EXFORB0020.010	76 2.7+1	5.7+1	. 16 ENTRIES.	(M)
	⁶⁰ Ni(p,3np) ⁵⁷ Ni σ(E)				
138 TOK J JIN 34	2419	72 4.1+1	5.5+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	
	4 EXFORB0020.012	76 4.1+1	5.5+1	. 4 ENTRIES.	
	⁶⁰ Ni(p,n) ⁶⁰ Cu σ(E)				
139 TOK J JIN 34	2419	72 6.7+0	1.5+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	
	4 EXFORB0020.016	76 6.7+0	1.5+1	. 23 ENTRIES.	
	⁶¹ Ni(p,a) ⁵⁸ Co σ(E)				
140 TOK J JIN 34	2419	72 7.0+0	1.4+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	(M)
	4 EXFORB0020.017	76 7.0+0	1.4+1	. 12 ENTRIES.	(M)
	⁶¹ Ni(p,n) ⁶¹ Cu σ(E)				
141 TOK J JIN 34	2419	72 2.7+0	1.4+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	
	4 EXFORB0020.018	76 2.7+0	1.4+1	. 17 ENTRIES.	
142 HAS A DA/B 36	4473	76 4.1+0	5.3+0	BRAGA. NDG. PARTIALS TO FIRST 5 EXC. ST	
	⁶² Ni(p,x) σ(E)				
143 INU A BAP 21	979	76 8.0+1	1.4+2	JASTRZEBSKI+ NDG. MAX SIG=60MB.	PRD
	⁶² Ni(p,inelastic) ⁶² Ni σ(E)				
144 LRL A BAP 21	662	76 7.0+0	2.6+1	KOOPMAN+ NDG. ALSO DEDUCED SCT	EMM
	⁶² Ni(p,n) ⁶² Cu σ(E)				
145 TOK J JIN 34	2419	72 4.9+0	1.5+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	
	4 EXFORB0020.019	76 4.9+0	1.5+1	. 30 ENTRIES.	
	⁶² Ni(p,γ) ⁶³ Cu σ(E)				
146 SUL J 12V 39	1268	75 2.5+0	2.5+0	KRAFT+ CURV. COUNTS/CHANNEL.	EMM RAW
	J BAS 39 115	76 2.5+0	2.5+0	. TRANSLATION OF 12V 39,1268(75).	EMM RAW
	⁶⁴ Ni(p,n) ⁶⁴ Cu σ(E)				
147 TOK J JIN 34	2419	72 3.5+0	1.5+1	TANAKA+ CURV. CHEM. SEP. ACTIV. METHOD.	
	4 EXFORB0020.020	76 3.5+0	1.5+1	. 18 ENTRIES.	
	Cu(p,n) thick target yield				
148 BIR A BAP 21	1337	76 TR	3.0+0	CAMPBELL+ NDG.	EMM
	Cu(p,n) ⁶⁰ Zn σ(E)				
149 HIR J NIM 134	93	76 4.8+1		YOSHIZAWA+ CURV. DEDUCED FROM ⁶⁰ Zn/ ⁶³ Zn	
	Cu(p,n) ⁶¹ Zn σ(E)				
150 HIR J NIM 134	93	76 3.0+1	4.8+1	YOSHIZAWA+ CURV. DEDUCED FROM ⁶¹ Zn/ ⁶³ Zn	
	Cu(p,n) ⁶³ Zn σ(E)				
151 HIR J NIM 134	93	76 2.5+1	5.2+1	YOSHIZAWA+ CURV. STACKED FOIL METHOD.	

EXPERIMENTAL REFERENCES(cont)

No.	Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
		⁶³ Cu(p,np) ⁶² Cu σ(E)				
152	BRK J PR	80 939	50 1.5+1	3.2+1	GHOSAL. CURV. CU-0 USED. CORR. MADE.	
		4 EXFORB0017.007	76 1.5+1	3.2+1	. 8 ENTRIES.	
		⁶³ Cu(p,n) ⁶² Zn σ(E)				
153	BRK J PR	80 939	50 1.5+1	3.2+1	GHOSAL. CURV. CU-0 USED. CORR. MADE.	
		4 EXFORB0017.006	76 1.5+1	3.2+1	. 9 ENTRIES.	
		⁶³ Cu(p,n) ⁶³ Zn σ(E)				
154	BRK J PR	80 939	50 3.9+0	2.2+1	GHOSAL. CURV. CU-0 USED. CORR. MADE.	
		4 EXFORB0017.005	76 3.9+0	2.2+1	. 18 ENTRIES.	
		⁶³ Cu(p,γ) ⁶⁴ Zn product yield				
155	KFI J JP/G	2 365	76 3.1+0	3.3+0	FODOR+ CURV. 2KEV STEPS. GE(LI)	(CUM) REL
		⁶³ Cu(p,np) ⁶⁴ Cu σ(E)				
156	MCG W MEGHIR+		66 1.9+1	8.5+1	MEGHIR+ TBL IN PR 144,962(1966)	
		4 EXFORB0016.002	76 1.9+1	8.5+1	. 19 ENTRIES.	
		⁶⁴ Zn(p,absorption) σ(E)				
157	MNA A BAP	21 1294	76 1.8+1	5.0+1	SOURKES+ NDG. BEAM ATTENUATION TECH.	
		⁶⁴ Zn(p,xp) σ(E)				
158	PUR A DA/B	37 1252	976 1.3+1		LUX. NDG.	PRC
		⁶⁴ Zn(p,xα) σ(E)				
159	PUR A DA/B	37 1252	976 1.8+1		LUX. NDG.	EMH
		⁶⁴ Zn(p,α) ⁶¹ Cu σ(E)				
160	MIL J PR/C	13 1424	76 2.3+1	4.2+1	GUAZZONI+ CURV. DEDUCED FROM ANG. DIST.	
		⁶⁴ Zn(p,t) ⁶² Zn σ(E)				
161	MIL J PR/C	13 1424	76 2.3+1	4.2+1	GUAZZONI+ CURV. DEDUCED FROM ANG. DIST.	
		⁶⁴ Zn(p,d) ⁶³ Zn σ(E)				
162	MIL J PR/C	13 1424	76 2.3+1	4.2+1	GUAZZONI+ CURV. DEDUCED FROM ANG. DIST.	
		⁶⁴ Zn(p,inelastic) ⁶⁴ Zn σ(E)				
163	LRL A BAP	21 662	76 7.0+0	2.6+1	KOOPMAN+ NDG. ALSO DEDUCED SCT	EMH
		⁶⁴ Zn(p,γ) ⁶³ Ga thick target yield				
164	CLU J AJ	205 302	76 9.0-1	5.0+0	ROUGHTON+ CURV+	
		⁶⁶ Zn(p,absorption) σ(E)				
165	MNA A BAP	21 1294	76 1.8+1	5.0+1	SOURKES+ NDG. BEAM ATTENUATION TECH.	
		⁶⁶ Zn(p,xp) σ(E)				
166	PUR A DA/B	37 1252	976 1.3+1		LUX. NDG.	PRD
		⁶⁶ Zn(p,xα) σ(E)				
167	PUR A DA/B	37 1252	976 1.8+1		LUX. NDG.	EMH
		⁶⁶ Zn(p,absorption) σ(E)				
168	MNA A BAP	21 1294	76 1.8+1	5.0+1	SOURKES+ NDG. BEAM ATTENUATION TECH.	
		⁶⁶ Zn(p,xp) σ(E)				
169	PUR A DA/B	37 1252	976 1.3+1		LUX. NDG.	PRD
		⁶⁶ Zn(p,xα) σ(E)				
170	PUR A DA/B	37 1252	976 1.8+1		LUX. NDG.	EMH
		⁷⁰ Zn(p,xp) σ(E)				
171	PUR A DA/B	37 1252	976 1.3+1		LUX. NDG.	PRD
		⁷⁰ Zn(p,xα) σ(E)				
172	PUR A DA/B	37 1252	976 1.8+1		LUX. NDG.	EMH
		Ge(p,xn) ⁷³ As σ(E)				
173	FET J AE	41 48 776	2.2+1		DMITRIEV+ (54.6+7.1)MICRODC/MICRODAMP-H	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
Ge(p,xn)⁷⁴As σ(E)					
174	FEI J AE 41	48	776 2.2+1	DMITRIEV+ (187+-24)MICROC/MICROAMP-H	
⁷²Ge(p,n)⁷²As σ(E)					
175	KYU J NP/A 272	381	N76 5.0+0 6.3+0	KIMURA+ CURV. EG = 45.9KEV.	PAR G RAW
	J NP/A 272	381	N76 5.0+0 6.3+0	KIMURA+ CURV. 16 GAMMA GROUPS.	PAR G REL
⁷⁴Ge(p,n)⁷⁴As thick target yield					
176	CLU J AJ 205	302	76 3.5+0 5.0+0	ROUGHTON+ CURV+	
⁷³As(p,np)⁷⁴As σ(E)					
177	FEI J AE 41	48	776 2.2+1	DMITRIEV+ (95+-12)MICROC/MICROAMP-H	
⁷³As(p,3n)⁷³Se σ(E)					
178	MCG J JIN 38	1581	76 3.0+1 8.0+1	BRODOVITCH+ CURV. TBL. PREEQUIL. MODEL.	
⁷³As(p,n)⁷³Se σ(E)					
179	MCG J JIN 38	1581	76 1.0+1 8.0+1	BRODOVITCH+ CURV. TBL. PREEQUIL. MODEL.	
Rb(p,x)⁸¹Rb product yield					
180	HRV J ARI 27	189	76 2.0+1 1.6+2	SCHNEIDER+ CURV. MAXIMUM AT 68 MEV	
Rb(p,x)⁸²Sr thick target yield					
181	GRN J ARI 27	15	76 4.8+1	BUKSHPAN+ NDG. TO PRODUCE 37-RB-83.	
⁸³Rb(p,4np)⁸¹Rb σ(E)					
182	HRV J ARI 27	189	76 6.8+1	SCHNEIDER+ ESTIMATED AS 26MB.	
⁸⁵Rb(p,5n)⁸¹Sr product yield					
183	HAR P UKNDC-P-80	776	NDG	SYME+ APP. 100000CI/A-H OF RB-81.P. 21	
⁸³Rb(p,5n)⁸¹Sr σ(E)					
184	HRV J ARI 27	189	76 6.9+1	SCHNEIDER+ ESTIMATED AS 26MB.	
⁸⁷Rb(p,7n)⁸¹Sr product yield					
185	HAR P UKNDC-P-80	776	NDG	SYME+ APP. 100000CI/A-H OF RB-81.P. 28	
⁸⁶Sr(p,4n)⁸³Y thick target yield					
186	GRN J ARI 27	15	76 5.5+1	BUKSHPAN+ NDG. TO PRODUCE 37-RB-83.	
⁸⁸Sr(p,n)⁸⁸Y σ(E)					
187	KTY J NIM 133	253	76 +0 5.8+0	SEKHARAN+ CURV. 4PI NETRON DETECTOR	
⁸⁹Y(p,5np)⁸⁴Y σ(E)					
188	MCG J PR 144	962	66 6.6+1 8.5+1	SAHA+ TBL. CURV. ACTIVATION.	(M)
	4 EXFORB0001.010		76 6.6+1 8.5+1	. 3 ENTRIES.	(M)
⁸⁹Y(p,4np)⁸³Y ratio metastable/ground state					
189	MCG J PR 144	962	66 6.0+1 8.5+1	SAHA+ TBL. CURV. DEDUCED.	
	4 EXFORB0001.009		76 6.0+1 8.5+1	. 9 ENTRIES.	
⁸⁹Y(p,4np)⁸³Y σ(E)					
190	MCG J PR 144	962	66 6.0+1 8.5+1	SAHA+ TBL. CURV. DEDUCED.	M+
	4 EXFORB0001.009		76 6.0+1 8.5+1	. 9 ENTRIES.	M+
⁸⁹Y(p,4np)⁸³Y σ(E)					
191	MCG J PR 144	962	66 6.0+1 8.5+1	SAHA+ TBL. CURV. ACTIVATION. T1/2=5.H	GND
	4 EXFORB0001.009		76 6.0+1 8.5+1	. 9 ENTRIES.	GND
⁸⁹Y(p,4np)⁸³Y σ(E)					
192	MCG J PR 144	962	66 6.0+1 8.5+1	SAHA+ TBL. CURV. ACTIVATION. T1/2=2.68H	PAR
	4 EXFORB0001.009		76 6.0+1 8.5+1	. 9 ENTRIES.	PAR
⁸⁹Y(p,3np)⁸⁶Y ratio metastable/ground state					
193	MCG J PR 144	962	66 4.5+1 8.5+1	SAHA+ TBL. CURV. DEDUCED.	
	4 EXFORB0001.008		76 4.5+1 8.5+1	. 9 ENTRIES.	
⁸⁹Y(p,3np)⁸⁶Y σ(E)					
194	MCG J PR 144	962	66 3.7+1 8.5+1	SAHA+ TBL. CURV. DEDUCED.	M+
	4 EXFORB0001.008		76 3.7+1 8.5+1	. 11 ENTRIES.	M+

EXPERIMENTAL REFERENCES(cont.)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	⁸⁸ Y(p,3np) ⁸⁶ Y σ(E)				
195 MCG J PR 144	962	66 4.5+1	8.5+1	SAHA+ TBL. CURV. ACTIVATION. T1/2=14.7H	GND
4 EXFORB0001.308		76 4.5+1	8.5+1	. 9 ENTRIES.	GND
	⁸⁸ Y(p,3np) ⁸⁶ Y σ(E)				
196 MCG J PR 144	962	66 4.5+1	8.5+1	SAHA+ TBL. CURV. ACTIVATION. T1/2=48.5H	PAR
4 EXFORB0001.008		76 4.5+1	8.5+1	. 9 ENTRIES.	PAR
	⁸⁸ Y(p,2np) ⁸⁷ Y ratio metastable/ground state				
197 MCG J PR 144	962	66 2.5+1	8.5+1	SAHA+ TBL. CURV. DEDUCED.	
4 EXFORB0001.003		76 2.5+1	8.5+1	. 16 ENTRIES.	
	⁸⁸ Y(p,2np) ⁸⁷ Y σ(E)				
198 MCG J PR 144	962	66 2.5+1	8.5+1	SAHA+ TBL. CURV. DEDUCED.	M+
4 EXFORB0001.003		76 2.5+1	8.5+1	. 16 ENTRIES.	M+
	⁸⁸ Y(p,2np) ⁸⁷ Y σ(E)				
199 MCG J PR 144	962	66 2.5+1	8.5+1	SAHA+ TBL. CURV. ACTIVATION. T1/2=80.H	GND
4 EXFORB0001.003		76 2.5+1	8.5+1	. 16 ENTRIES.	GND
	⁸⁸ Y(p,2np) ⁸⁷ Y σ(E)				
200 MCG J PR 144	962	66 2.5+1	8.5+1	SAHA+ TBL. CURV. ACTIVATION. T1/2=13.2H	
4 EXFORB0001.003		76 2.5+1	8.5+1	. 16 ENTRIES.	
	⁸⁸ Y(p,np) ⁸⁸ Y σ(E)				
201 MCG J PR 144	962	66 1.5+1	8.5+1	SAHA+ TBL. CURV. ACTIVATION.	
4 EXFORB0001.007		76 1.5+1	8.5+1	. 16 ENTRIES.	
	⁸⁸ Y(p,4n) ⁸⁶ Zr σ(E)				
202 MCG J PR 144	962	66 4.5+1	8.5+1	SAHA+ TBL. CURV. ACTIVATION.	
4 EXFORB0001.006		76 4.5+1	8.5+1	. 9 ENTRIES.	
	⁸⁸ Y(p,3n) ⁸⁷ Zr σ(E)				
203 MCG J PR 144	962	66 3.1+1	8.5+1	SAHA+ TBL. CURV. ACTIVATION.	M+
4 EXFORB0001.005		76 3.1+1	8.5+1	. 14 ENTRIES.	M+
	⁸⁸ Y(p,2n) ⁸⁸ Zr σ(E)				
204 MCG J PR 144	962	66 1.5+1	8.5+1	SAHA+ TBL. CURV. ACTIVATION.	
4 EXFORB0001.004		76 1.5+1	8.5+1	. 18 ENTRIES.	
	⁸⁸ Y(p,n) ⁸⁹ Zr σ(E)				
205 MCG J PR 144	962	66 5.0+0	8.5+1	SAHA+ TBL. CURV. ACTIVATION.	M+
4 EXFORB0001.002		76 5.0+0	8.5+1	. 19 ENTRIES.	M+
206 MIL J NP/A 201	579	73 3.9+0	4.4+1	BIRATTARI+ CURV. T1/2=79.0H	M+
4 EXFORB0001.002		76 3.9+0	4.4+1	. 20 ENTRIES.	M+
	⁸⁸ Y(p,γ) ⁸⁹ Zr σ(E)				
207 FRK C 74PETTEN	432	974 2.2+0	4.8+0	RIPPL+ CURV. 6 G'S. THETA=55 DEG. 25KEV	EMH
208 LRL J PRL 38	156	177 1.4+1	2.7+1	DIETRICH+ FCT=1/4PI FROM ANG DIST	PAR FCT
	⁹⁰ Zr(p,x) ⁹⁰ Zr σ(E)				
209 MCG J PR/C 14	64	76 2.0+1	8.0+1	KANTELO+ TBL.DEDUCED FROM PRODUCT SIGMA	EMH
	⁹⁰ Zr(p,x) ⁸⁸ Rb σ(E)				
210 MCG J PR/C 14	64	76 5.6+1	8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS	M+
	⁹⁰ Zr(p,x) ⁸² Rb σ(E)				
211 MCG J PR/C 14	64	76 4.4+1	8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS	GND
	⁹⁰ Zr(p,x) ⁸³ Rb σ(E)				
212 MCG J PR/C 14	64	76 3.8+1	8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS	
	⁹⁰ Zr(p,x) ⁸⁴ Rb σ(E)				
213 MCG J PR/C 14	64	76 5.0+1	8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS	
	⁹⁰ Zr(p,x) ⁸² Sr σ(E)				
214 MCG J PR/C 14	64	76 8.0+1	8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS	M+
	⁹⁰ Zr(p,x) ⁸³ Sr σ(E)				
215 MCG J PR/C 14	64	76 6.2+1	8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS	M+

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	⁹⁰ Zr(p,x) ⁸³ Sr σ(E)				
216 MCG J PR/C	14 64	76	3.8+1 8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS	
	⁹⁰ Zr(p,x) ^{84g} Y σ(E)				
217 MCG J PR/C	14 64	76	5.6+1 8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS	GND
	⁹⁰ Zr(p,x) ⁸⁵ Y σ(E)				
218 MCG J PR/C	14 64	76	3.8+1 8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS	M+
	⁹⁰ Zr(p,x) ⁸⁶ Y σ(E)				
219 MCG J PR/C	14 64	76	2.4+1 8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS	M+
	⁹⁰ Zr(p,α) ⁸⁷ Y product yield				
220 ZUR A HPA	49 182	76	3.5+1	GUYER+ NDG.	
	⁹⁰ Zr(p,x) ⁸⁷ Y σ(E)				
221 MCG J PR/C	14 64	76	1.2+1 8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS	M+
	⁹⁰ Zr(p,x) ⁸⁸ Y σ(E)				
222 MCG J PR/C	14 64	76	3.0+1 8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS	
	⁹² Zr(p,n) ⁹² Nb product yield				
223 KTY A BAP	21 608	76	4.0+0 5.3+0	HAGEN+ NDG. DETAILED EXCITATION FUNCTIO	
	⁹² Zr(p,n) ⁹² Nb σ(E)				
224 KTY A BAP	21 663	76	NDG	HAGEN+ NDG. 4PI NEUTRON DETECTOR.	
	⁹⁴ Zr(p,γ) ⁹¹ Nb σ(E)				
225 CCP J IZV	40 1260	76	1.7+0 3.0+0	FEDORETZ+ CURV. 6 LOW-ENERGY G'S.	REL
	⁹⁴ Zr(p,n) ⁹⁴ Nb σ(E)				
226 KTY A BAP	21 663	76	NDG	HAGEN+ NDG. 4PI NEUTRON DETECTOR.	
	⁹³ Nb(p,n) ⁹³ Mo σ(E)				
227 OSA J JAP	15 861	576	3.0+0 8.0+0	TAKAHASHI+ CURV. FOUR GAMMAS.	PAR G RAW
J JAP	15 861	576	5.8+0 6.2+0	TAKAHASHI+ CURV. 14 G'S. STUDIED RES.	PAR G
	Mo(p,n) ⁹⁵ Tc thick target yield				
228 CCP J AE	40 66	76	5.0+0 2.2+1	DMITRIEV+ CURV. (14.6+-1.8)CI/A-H MAX.	
J SJA	40 75	76	5.0+0 2.2+1	TRANSLATION OF AE 40(1), 66(76).	
	Mo(p,xn) ⁹⁶ Tc thick target yield				
229 CCP J AE	40 66	76	5.0+0 2.2+1	DMITRIEV+ CURV. (527+-63)CI/A-H MAX.	
J SJA	40 75	76	5.0+0 2.2+1	TRANSLATION OF AE 40(1), 66(76).	
	Mo(p,xn) ⁹⁷ Tc thick target yield				
230 CCP J AE	40 66	76	5.0+0 2.2+1	DMITRIEV+ CURV. (10.5+-1.3)CI/A-H MAX.	
J SJA	40 75	76	5.0+0 2.2+1	TRANSLATION OF AE 40(1), 66(76).	
	⁹² Mo(p,inelastic) ⁹² Mo product yield				
231 ATH P NEANDC(OR)	147	75	7.0+0 8.5+0	PAPDOPOULOS+ NDG. P. 15.	
	⁹² Mo(p,γ) ⁹³ Tc thick target yield				
232 CLU J AJ	205 302	76	1.5+0 5.0+0	ROUGHTON+ CURV+	
	⁹⁴ Mo(p,n) ⁹⁴ Tc σ(E)				
233 KTY A BAP	21 663	76	NDG	HAGEN+ NDG. 4PI NEUTRON DETECTOR.	
	⁹⁵ Mo(p,n) ⁹⁵ Tc σ(E)				
234 KTY A BAP	21 663	76	NDG	HAGEN+ NDG. 4PI NEUTRON DETECTOR.	
	⁹⁵ Mo(p,γ) ⁹⁶ Tc thick target yield				
235 CLU J AJ	205 302	76	1.6+0 4.5+0	ROUGHTON+ CURV+ NO CORR. FOR ISOT. ABUN	
	⁹⁶ Mo(p,n) ⁹⁶ Tc σ(E)				
236 KTY A BAP	21 663	76	NDG	HAGEN+ NDG. 4PI NEUTRON DETECTOR.	
	⁹⁶ Mo(p,n) ⁹⁶ Tc thick target yield				
237 CLU J AJ	205 302	76	TR 5.0+0	ROUGHTON+ CURV+ NO CORR. FOR ISOT. ABUN	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	⁹⁷ Mo(p,n) ⁹⁷ Tc product yield				
238	ATH P NEANDC(OR) 147	75	3.0+0 6.0+0	XENOULIS+ NDG. P. 15.	
	⁹⁸ Mo(p,n) ⁹⁸ Tc σ(E)				
239	KTY A BAP 21	663	76	NDG HAGEN+ NDG. 4PI NEUTRON DETECTOR.	
	¹⁰⁸ Pd(p, inelastic) ¹⁰⁸ Pd σ(E)				
240	LRL A BAP 21	662	76 7.0+0 2.6+1	KOOPMAN+ NDG. ALSO DEDUCED SCT	EMH
	¹⁰⁸ Pd(p,n) ¹⁰⁸ Ag σ(E)				
241	TIT J JPJ 41	1830	D76 2.6+0 4.0+0	HATTORI+ CURV. 8 GAMMAS.	PAR G
	¹¹⁰ Pd(p,n) ¹¹⁰ Ag σ(E)				
242	TIT J JPJ 41	1830	D76 1.6+0 4.0+0	HATTORI+ CURV. 4 GAMMAS.	PAR G
	¹¹⁰ Cd(p, inelastic) ¹¹⁰ Cd σ(E)				
243	LRL A BAP 21	662	76 7.0+0 2.6+1	KOOPMAN+ NDG. ALSO DEDUCED SCT	EMH
	¹¹⁰ Cd(p,n) ¹¹⁰ In σ(E)				
244	CCP J IZV 39	1688	75 6.3+0 7.3+0	ABRAHOVICH+ CURV.	
	J BAS 39	103	76 6.2+0 7.2+0	. TRANSLATION OF IZV 39(8), 1688(75).	
	¹¹¹ Cd(p,n) ¹¹¹ In σ(E)				
245	UPP J ZP/A 276	133	76 6.0+0 1.1+1	DIETRICH+ CURV. TBL GIVES SLOPE OF SIG IND/EMH	
	¹¹² Cd(p,n) ¹¹² In σ(E)				
246	CCP J IZV 39	1688	75 6.6+0 7.8+0	ABRAHOVICH+ CURV.	
	J BAS 39	103	76 6.5+0 7.7+0	. TRANSLATION OF IZV 39(8), 1688(75).	
	¹¹³ Cd(p,n) ¹¹³ In σ(E)				
247	UPP J ZP/A 276	133	76 6.0+0 1.1+1	DIETRICH+ CURV. TBL GIVES SLOPE OF SIG IND/EMH	
	¹¹⁴ Cd(p, inelastic) ¹¹⁴ Cd σ(E)				
248	LRL A BAP 21	662	76 7.0+0 2.6+1	KOOPMAN+ NDG. ALSO DEDUCED SCT	EMH
	¹¹⁴ Cd(p,n) ¹¹⁴ In ratio metastable/metastable state				
249	CCP J IZV 39	2181	75 4.0+0 9.0+0	SKAKUN+ CURV. 502KEV LEV/191.6 KEV LEV.	M2/M1
	J BAS 39	149	76 4.0+0 9.0+0	. TRANSLATION OF IZV 39, 2181(75).	M2/M1
	¹¹⁴ Cd(p,n) ¹¹⁴ In ratio metastable/total				
250	CCP J IZV 39	2181	75 4.0+0 9.0+0	SKAKUN+ CURV. 502 KEV LEV.	M2/M+
	J BAS 39	149	76 4.0+0 9.0+0	. TRANSLATION OF IZV 39, 2181(75).	M2/M+
	¹¹⁴ Cd(p,n) ¹¹⁴ In				
251	CCP J IZV 39	1688	75 7.0+0 8.2+0	ABRAHOVICH+ CURV.	
	J BAS 39	103	76 6.9+0 8.1+0	. TRANSLATION OF IZV 39(8), 1688(75).	
	¹¹⁸ Cd(p, inelastic) ¹¹⁸ Cd				
252	LRL A BAP 21	662	76 7.0+0 2.6+1	KOOPMAN+ NDG. ALSO DEDUCED SCT	EMH
	¹¹⁸ Cd(p,n) ¹¹⁸ In ratio metastable/metastable state				
253	CCP J IZV 39	2181	75 5.0+0 9.0+0	SKAKUN+ CURV. 220KEV LEV/60KEV LEV.	M2/M1
	J BAS 39	149	76 5.0+0 9.0+0	. TRANSLATION OF IZV 39, 2181(75).	M2/M1
	¹¹⁶ Cd(p,n) ¹¹⁶ In				
254	CCP J IZV 39	1688	75 7.3+0 8.5+0	ABRAHOVICH+ CURV.	
	J BAS 39	103	76 7.2+0 8.4+0	. TRANSLATION OF IZV 39(8), 1688(75).	
	¹¹⁶ Sn(p, inelastic) ¹¹⁶ Sn				
255	LRL A BAP 21	662	76 7.0+0 2.6+1	KOOPMAN+ NDG. ALSO DEDUCED SCT	EMH
	¹¹⁷ Sn(p,n) ¹¹⁷ Sb				
256	ORL J PR/C 5	196	176 TR	7.1+0 JOHNSON+ TBL. CURV.	
	¹¹⁸ Sn(p,n) ¹¹⁸ Sb				
257	ORL J PR/C 15	196	176 TR	7.1+0 JOHNSON+ TBL. CURV.	
	¹¹⁹ Sn(p,n) ¹¹⁹ Sb				
258	ORL J PR/C 15	196	176 TR	7.1+0 JOHNSON+ TBL. CURV.	

EXPERIMENTAL REFERENCES(cont)

no. Lab	Reference	Emin (MeV)	Emax (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{120}\text{Sn}(p,n)^{120}\text{Sb}$				
259 ORL J PR/C 15	196 176 TR	7.1+0	JOHNSON+ TBL. CURV.		
	$^{122}\text{Sn}(p,n)^{122}\text{Sb}$				
260 ORL J PR/C 15	196 176 TR	7.1+0	JOHNSON+ TBL. CURV.		
	$^{124}\text{Sn}(p,n)^{124}\text{Sb}$				
261 ORL J PR/C 15	196 176 TR	7.1+0	JOHNSON+ TBL. CURV.		
	$\text{Sb}(p,x)^{121}\text{Te}$ thick target yield				
262 GRN J ARI 27	15 76 2.0+1		BUKSHPAN+ NDG.		
	$^{128}\text{Te}(p,n)^{128}\text{I}$ $\sigma(E)$				
263 MCG J JIN 38	365 76 1.7+1		DIKSIC+ NO ISOMER FOUND(T1/2=15-2500).	RAW	
	$^{127}\text{I}(p,n)^{127}\text{Xe}$ $\sigma(E)$				
264 HAR P UKNDC-P-80	776 TR	1.6+2	SYME+ CURV. P. 28		
	$^{127}\text{I}(p,5n)^{123}\text{Xe}$ $\sigma(E)$				
265 GRN J ARI 27	465 76 4.3+1	6.6+1	PAANS+ CURV.		
266 HAR P UKNDC-P-80	776 TR	1.6+2	SYME+ CURV. P. 28		
	$^{127}\text{I}(p,5n)^{123}\text{Xe}$ thick target yield				
267 GRN J ARI 27	465 76 6.5+1		PAANS+ 190CI/MAH.FROM SIG(E). E LOSS=19		
	$^{127}\text{I}(p,3n)^{125}\text{Xe}$ $\sigma(E)$				
268 GRN J ARI 27	465 76 4.3+1	6.6+1	PAANS+ CURV.		
269 HAR P UKNDC-P-80	776 TR	1.6+2	SYME+ CURV. P. 28		
	$^{127}\text{I}(p,3n)^{125}\text{Xe}$ thick target yield				
270 GRN J ARI 27	465 76 6.5+1		PAANS+ 7.7CI/MAH.FROM SIG(E). E LOSS=19		
	$\text{Cs}(p,x)^{129}\text{Xe}$ product yield				
271 LRC A BAP 21	633 76 NDG		BLUE+ NDG. METALLIC CS TARGETS.		
	$^{139}\text{La}(p,x)^{134}\text{Cs}$ ratio metastable/ground state				
272 PAR J JIN 38	965 76 2.0+1	1.7+2	KRUPA+ CURV.		
	$^{139}\text{La}(p,x)^{133}\text{Cs}$ ratio metastable/ground state				
273 PAR J JIN 38	965 76 3.0+1	1.6+2	KRUPA+ CURV.		
	$^{139}\text{La}(p,x)^{135}\text{Cs}$ $\sigma(E)$				
274 PAR J JIN 38	965 76 4.0+1	1.5+2	KRUPA+ CURV. DED. FROM ISOM. RAT.		
	$^{139}\text{La}(p,x)^{135}\text{Cs}$ $\sigma(E)$				
275 PAR J JIN 38	965 76 4.0+1	1.5+2	KRUPA+ CURV. DED. FROM ISOM. RAT.		
	$^{139}\text{La}(p,\alpha)^{136}\text{Ba}$ $\sigma(E)$				
276 MIL J NC 30	632 75 2.0+1		MILAZZO-COLLI+ (2.6+-0.5)MB.	PAR	
J NC 30	632 75 2.0+1		MILAZZO-COLLI+ PRECOMPOUND = 2.5MB	DI	
J NC 30	632 75 2.0+1		MILAZZO-COLLI+ 0.1MB.		
	$^{140}\text{Ce}(p,\text{absorption})$ $\sigma(E)$				
277 ANL A BAP 21	1330 76 1.0-1	1.0+0	ELWYN. NDG.		
	$^{140}\text{Ce}(p,\alpha)^{137}\text{La}$ $\sigma(E)$				
278 MIL J NC 30	632 75 2.0+1		MILAZZO-COLLI+ (5.1+-1.0)MB.	PAR	
J NC 30	632 75 2.0+1		MILAZZO-COLLI+ PRECOMPOUND = 3.7 MB.	DI	
J NC 30	632 75 2.0+1		MILAZZO-COLLI+ 0.3MB.		
	$^{141}\text{Pr}(p,4n)^{138}\text{Nd}$ $\sigma(E)$				
279 MCG J JIN 33	3627 71 3.8+1	8.5+1	HOGAN. TBL. CURV. ACTIV. RADIOCHEM.		
	4 EXFORB0003.005	76 3.8+1	8.5+1 . 6 ENTRIES		
	$^{141}\text{Pr}(p,3n)^{139}\text{Nd}$ ratio metastable/ground state				
280 MCG J JIN 33	3627 71 2.5+1	8.5+1	HOGAN. TBL. CURV. DEDUCED.		
	4 EXFORB0003.004	76 2.5+1	8.5+1 . 9 ENTRIES. T1/2=5.5H/T1/2=30.0H		
	$^{141}\text{Pr}(p,3n)^{139}\text{Nd}$ $\sigma(E)$				
281 MCG J JIN 33	3627 71 2.5+1	8.5+1	HOGAN. TBL. CURV. DEDUCED.	M+	
	4 EXFORB0003.004	76 2.5+1	8.5+1 . 9 ENTRIES.	M+	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	¹⁴¹ Pr(p,3n) ¹³⁹ Nd σ(E)				
282 MCG J JIN 33 3627	71 2.5+1 8.5+1	HOGAN. TBL. CURV. ACTIV. RADIOCHEM.			
4 EXFORB0003.004	76 2.5+1 8.5+1	. 9 ENTRIES. T1/2=30.0M			
	¹⁴¹ Pr(p,3n) ¹³⁹ Nd σ(E)				
283 MCG J JIN 33 3627	71 2.5+1 8.5+1	HOGAN. TBL. CURV. ACTIV. RADIOCHEM.			
4 EXFORB0003.004	76 2.5+1 8.5+1	. 9 ENTRIES. T1/2=5.5H.			
	¹⁴¹ Pr(p,2n) ¹⁴⁰ Nd σ(E)				
284 MCG J JIN 33 3627	71 9.0+0 8.5+1	HOGAN. TBL. CURV. ACTIV. RADIOCHEM.			
4 EXFORB0003.003	76 9.0+0 8.5+1	. 13 ENTRIES.			
	¹⁴¹ Pr(p,n) ¹⁴¹ Nd σ(E)				
285 MCG J JIN 33 3627	71 9.0+0 3.8+1	HOGAN. TBL. CURV. ACTIV. RADIOCHEM.			H+
4 EXFORB0003.002	76 9.0+0 3.8+1	. 6 ENTRIES.			H+
	¹⁴² Nd(p,n) ¹⁴² Pm σ(E)				
286 ROS J NP/A 274	61 D76 5.0+0 1.0+1	FUNKE+ TBL. EG=.0264 TO .7568.			PAR G REL
	¹⁵⁰ Nd(p,α) ¹⁴⁷ Pr σ(E)				
287 MIL J NP/A 218	274 74 1.8+1	MILAZZO-COLLI+ (6.7+-1.3)MB			
4 EXFORB0006.003	76 1.8+1	. 1 ENTRY			
	¹⁴⁴ Sm(p,n) ¹⁴⁴ Eu σ(E)				
288 ROS J NP/A 274	61 D76 5.0+0 1.0+1	FUNKE+ TBL. EG=.0076 TO .4507.			PAR G REL
	¹⁴⁷ Sm(p,α) ¹⁴⁴ Pm σ(E)				
289 MIL J NP/A 218	274 74 1.8+1	MILAZZO-COLLI+ (13.1+-2.6)MB			
4 EXFORB0006.002	76 1.8+1	. 1 ENTRY			
	¹⁵⁰ Sm(p,α) ¹⁴⁷ Pm σ(E)				
290 MIL J NC 30 632	75 2.0+1	MILAZZO-COLLI+ (7.2+-1.4)MB.			
J NC 30 632	75 2.0+1	MILAZZO-COLLI+ PRECOMPOUND = 5.6MB.			PAR
J NC 30 632	75 2.0+1	MILAZZO-COLLI+ 0.3MB.			DI
	¹⁵² Sm(p,α) ¹⁴⁹ Pm σ(E)				
291 MIL J NP/A 218	274 74 1.8+1	MILAZZO-COLLI+ (6.5+-1.3)MB			
4 EXFORB0006.004	76 1.8+1	. 1 ENTRY			
	¹⁵⁴ Sm(p,α) ¹⁵¹ Pm σ(E)				
292 MIL J NP/A 218	274 74 1.8+1	MILAZZO-COLLI+ (5.4+-1.1)MB			
4 EXFORB0006.005	76 1.8+1	. 1 ENTRY			
	Eu(p,x) ¹⁴⁸ Eu σ(E)				
293 TOK J JIN 38 2157	76 4.9+1 5.2+1	KOMURA+ TBL. ACTIVATION METHOD.			
	Eu(p,x) ¹⁴⁷ Eu σ(E)				
294 TOK J JIN 38 2157	76 3.9+1 5.2+1	KOMURA+ TBL. ACTIVATION METHOD.			
	Eu(p,x) ¹⁴⁸ Eu σ(E)				
295 TOK J JIN 38 2157	76 2.9+1 5.2+1	KOMURA+ TBL. ACTIVATION METHOD.			
	Eu(p,x) ¹⁴⁹ Eu σ(E)				
296 TOK J JIN 38 2157	76 2.9+1 5.2+1	KOMURA+ TBL. +-50 PER CT DUE TO GD-149			
	Eu(p,xn) ¹⁴⁶ Gd σ(E)				
297 TOK J JIN 38 2157	76 4.6+1 5.2+1	KOMURA+ TBL. ACTIVATION METHOD.			
	Eu(p,xn) ¹⁴⁷ Gd σ(E)				
298 TOK J JIN 38 2157	76 3.7+1 5.2+1	KOMURA+ TBL. ACTIVATION METHOD.			
	Eu(p,xn) ¹⁴⁸ Gd σ(E)				
299 TOK J JIN 38 2157	76 2.6+1 5.2+1	KOMURA+ TBL. ACTIVATION METHOD.			
	Eu(p,xn) ¹⁴⁹ Gd σ(E)				
300 TOK J JIN 38 2157	76 1.7+1 5.2+1	KOMURA+ TBL. ACTIVATION METHOD.			
	Eu(p,xn) ¹⁵¹ Gd σ(E)				
301 TOK J JIN 38 2157	76 6.2+0 5.2+1	KOMURA+ TBL. ACTIVATION METHOD.			

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
EXPERIMENTAL REACTION REACTION					
Eu(p,xn) ¹⁵³ Gd σ(E)					
302 TOK J JIN	38	2157	76 6.2+0 5.2+1	KOMURA+ TBL. ACTIVATION METHOD.	
¹⁵¹ Eu(p,p5n) ¹⁴⁶ Eu σ(E)					
303 TOK J JIN	38	2157	76 6.2+0 5.2+1	KOMURA+ CURV. FROM ELEMENTAL AND Q-VALU	
¹⁵¹ Eu(p,p4n) ¹⁴⁷ Eu σ(E)					
304 TOK J JIN	38	2157	76 3.9+1 5.2+1	KOMURA+ CURV. FROM ELEMENTAL AND Q-VALU	
¹⁵¹ Eu(p,p3n) ¹⁴⁸ Eu σ(E)					
305 TOK J JIN	38	2157	76 2.9+1 5.2+1	KOMURA+ CURV. FROM ELEMENTAL AND Q-VALU	
¹⁵¹ Eu(p,p2n) ¹⁴⁹ Eu σ(E)					
306 TOK J JIN	38	2157	76 2.9+1 5.2+1	KOMURA+ CURV. FROM ELEMENTAL AND Q-VALU	
¹⁵¹ Eu(p,pn) ¹⁴⁶ Gd σ(E)					
307 TOK J JIN	38	2157	76 4.6+1 5.2+1	KOMURA+ CURV. FROM ELEMENTAL AND Q-VALU	
¹⁵¹ Eu(p,pn) ¹⁴⁷ Gd σ(E)					
308 TOK J JIN	38	2157	76 3.7+1 5.2+1	KOMURA+ CURV. FROM ELEMENTAL AND Q-VALU	
¹⁵¹ Eu(p,pn) ¹⁴⁸ Gd σ(E)					
309 TOK J JIN	38	2157	76 2.6+1 5.2+1	KOMURA+ CURV. FROM ELEMENTAL AND Q-VALU	
¹⁵¹ Eu(p,pn) ¹⁴⁹ Gd σ(E)					
310 TOK J JIN	38	2157	76 1.7+1 5.2+1	KOMURA+ CURV. FROM ELEMENTAL AND Q-VALU	
¹⁵¹ Eu(p,pn) ¹⁵¹ Gd σ(E)					
311 TOK J JIN	38	2157	76 6.2+0 5.2+1	KOMURA+ CURV. FROM ELEMENTAL AND Q-VALU	
¹⁵³ Eu(p,pn) ¹⁴⁹ Gd σ(E)					
312 TOK J JIN	38	2157	76 2.6+1 5.2+1	KOMURA+ CURV. FROM ELEMENTAL AND Q-VALU	
¹⁵³ Eu(p,pn) ¹⁵¹ Gd σ(E)					
313 TOK J JIN	38	2157	76 1.7+1 5.2+1	KOMURA+ CURV. FROM ELEMENTAL AND Q-VALU	
¹⁵³ Eu(p,pn) ¹⁵³ Gd σ(E)					
314 TOK J JIN	38	2157	76 6.2+0 5.2+1	KOMURA+ CURV. FROM ELEMENTAL AND Q-VALU	
¹⁵⁵ Gd(p,2n) ¹⁵⁴ Tb σ(E)					
315 MCG A DA/B	37	2236	N76 1.5+1 1.7+1	LAU. NDG.	PAR
¹⁵⁵ Gd(p,2n) ¹⁵⁴ Tb σ(E)					
316 MCG A DA/B	37	2236	N76 1.5+1 1.7+1	LAU. NDG.	PAR
¹⁵⁵ Gd(p,2n) ¹⁵⁴ Tb σ(E)					
317 MCG A DA/B	37	2236	N76 1.5+1 1.7+1	LAU. NDG.	PAR
¹⁵⁶ Gd(p,p) ¹⁵³ Eu σ(E)					
318 MIL J NC	30	632	75 2.0+1	MILAZZO-COLL1+ (4.1+0.8)MB.	PAR DI
J NC	30	632	75 2.0+1	MILAZZO-COLL1+ PRECOMPOUND = 3.8MB.	
J NC	30	632	75 2.0+1	MILAZZO-COLL1+ 0.2MB.	
¹⁶⁰ Gd(p,pn) ¹⁶⁰ Tb σ(E)					
319 MIL J NP/A	201	579	73 4.3+0 4.4+1	BIRATTARI+ CURV. T1/2=72.1D	
4 EXFORB0018.003			76 4.3+0 4.4+1	20 ENTRIES.	
¹⁶⁹ Tm(p,pn) ¹⁶⁹ Yb σ(E)					
320 MIL J NP/A	201	579	73 3.3+0 4.4+1	BIRATTARI+ CURV. T1/2=32.0D	H+
4 EXFORB0018.004			76 3.3+0 4.4+1	20 ENTRIES.	H+
¹⁷¹ Yb(p,p) ¹⁶⁸ Tm σ(E)					
321 MIL J NC	30	632	75 2.0+1	MILAZZO-COLL1+ (2.8+0.6)MB.	PAR DI
J NC	30	632	75 2.0+1	MILAZZO-COLL1+ PRECOMPOUND = 2.7MB.	
J NC	30	632	75 2.0+1	MILAZZO-COLL1+ 0.1MB.	
¹⁷⁶ Yb(p,p) ¹⁷³ Tm σ(E)					
322 MIL J NP/A	218	274	74 1.8+1	MILAZZO-COLL1+ (4.1+0.8)MB	
4 EXFORB0006.006			76 1.8+1	1 ENTRY	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	¹⁹¹ Ir(p,np) ^{190m} Ir			σ(E)	
323 MCG A DA/B	37	2236 N76	1.5+1 1.7+1	LAU. NDG.	PAR
	¹⁹¹ Ir(p,np) ^{190m} Ir			σ(E)	
324 MCG A DA/B	37	2236 N76	1.5+1 1.7+1	LAU. NDG.	PAR
	¹⁹¹ Ir(p,np) ^{190m} Ir			σ(E)	
325 MCG A DA/B	37	2236 N76	1.5+1 1.7+1	LAU. NDG.	PAR
	²⁰² Hg(p,xα)			σ(E)	
326 MCG J PR/C	13	1095	76 2.0+1 8.0+1	KANTELO+DEDUCED FROM (P,ZP+XN) SIGMAS	EMH
	²⁰² Hg(p,x) ¹⁹² Au			σ(E)	
327 MCG J PR/C	13	1095	76 1.2+1 8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS.	
	²⁰² Hg(p,x) ¹⁹³ Au			σ(E)	
328 MCG J PR/C	13	1095	76 1.2+1 8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS.	
	²⁰² Hg(p,x) ¹⁹⁴ Au			σ(E)	
329 MCG J PR/C	13	1095	76 1.2+1 8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS.	
	²⁰² Hg(p,x) ¹⁹⁵ Au			σ(E)	
330 MCG J PR/C	13	1095	76 1.2+1 8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS.	
	²⁰² Hg(p,x) ¹⁹⁶ Au			σ(E)	
331 MCG J PR/C	13	1095	76 1.2+1 8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS.	
	²⁰² Hg(p,x) ¹⁹⁸ Au			σ(E)	
332 MCG J PR/C	13	1095	76 1.2+1 8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS.	
	²⁰² Hg(p,x) ¹⁹⁹ Au			σ(E)	
333 MCG J PR/C	13	1095	76 1.2+1 8.6+1	KANTELO+ TBL. RADIOCHEMICAL ANALYSIS.	
	²⁰² Hg(p,x) ²⁰⁰ Au			σ(E)	
334 MCG J PR/C	13	1095	76 1.2+1 8.6+1	KANTELO+RADIOCHEMICAL ANALYSIS. TBL.	
	²⁰² Hg(p,x) ²⁰¹ Au			σ(E)	
335 MCG J PR/C	13	1095	76 1.2+1 8.6+1	KANTELO+RADIOCHEMICAL ANALYSIS. TBL.	
	²⁰³ Tl(p,α) ²⁰⁰ Hg			σ(E)	
336 MIL J NC	30	632	75 2.0+1	MILAZZO-COLLI+ (3.1+-0.6)MB.	PAR OI
J NC	30	632	75 2.0+1	MILAZZO-COLLI+ PRECOMPOUND=1.9MB.	
J NC	30	632	75 2.0+1	MILAZZO-COLLI+ 1.2MB.	
	²⁰³ Tl(p,α) ²⁰² Hg			σ(E)	
337 MIL J NC	30	632	75 2.0+1	MILAZZO-COLLI+ (3.1+-0.6)MB.	PAR OI
J NC	30	632	75 2.0+1	MILAZZO-COLLI+ PRECOMPOUND = 1.3MB.	
J NC	30	632	75 2.0+1	MILAZZO-COLLI+ 1.3MB.	
	Pb(p,xn) ²⁰⁴ Bi product yield				
338 HAR P UKNDC-P-80		776	NDG	SYME+ UP TO 5000CI/A-H. P. 28	
	²⁰⁴ Pb(p,α) ²⁰³ Tl			σ(E)	
339 MIL J NC	30	632	75 2.0+1	MILAZZO-COLLI+ (3.0+-0.6)MB.	PAR OI
J NC	30	632	75 2.0+1	MILAZZO-COLLI+ PRECOMPOUND = 1.3MB.	
J NC	30	632	75 2.0+1	MILAZZO-COLLI+ 1.7MB.	
	²⁰⁷ Pb(p,α) ²⁰⁴ Tl			σ(E)	
340 MIL J NC	30	632	75 2.0+1 3.0+1	MILAZZO-COLLI+ TBL.	PAR OI
J NC	30	632	75 2.0+1 3.0+1	MILAZZO-COLLI+ TBL. PRECOMPOUND.	
J NC	30	632	75 2.0+1 3.0+1	MILAZZO-COLLI+ TBL.	
	²⁰⁸ Pb(p,α) ²⁰⁵ Tl			σ(E)	
341 MIL J NC	30	632	75 2.0+1 3.0+1	MILAZZO-COLLI+ TBL.	PAR OI
J NC	30	632	75 2.0+1 3.0+1	MILAZZO-COLLI+ TBL. PRECOMPOUND.	
J NC	30	632	75 2.0+1 3.0+1	MILAZZO-COLLI+ TBL.	
	²⁰⁸ Pb(p,x) ^{206m} Pb			σ(E)	
342 TDK J NP/A	262	52	76 2.4+1 5.2+1	KAWAKAMI+ T1/2=0.13MSEC. TBL. CURV. CKO	IND

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	²⁰⁸ Pb(p,x) ²⁰⁷ Pb σ(E)				
343 TOK J NP/A 262	52 76 2.4+1	5.2+1	KAWAKAMI+ T1/2=0.80SEC. TBL. CURV. CKO	IND	
	²⁰⁸ Pb(p, inelastic) ²⁰⁸ Pb σ(E)				
344 LRL A BAP 21	662 76 7.0+0	2.6+1	KOOPMAN+ NDG. ALSO DEDUCED SCT	ENM	
	²⁰⁹ Bi(p,α) ²⁰⁶ Pb σ(E)				
345 MIL J NC 30	632 75 2.0+1		MILAZZO-COLLI+ (2.6+-0.5)MB.		
J NC 30	632 75 2.0+1		MILAZZO-COLLI+ PRECOMPOUND = 1.1MB.	PAR	
J NC 30	632 75 2.0+1		MILAZZO-COLLI+ 1.5MB.	DI	
	Th(p, fission) ¹²⁸ I σ(E)				
346 MCG J JIN 38	365 76 1.7+1		DIKSIC+ NO ISOMER FOUND(T1/2=15-2500).	RAW	
	²³² Th(p,α) ²²⁹ Ac σ(E)				
347 MIL J NC 30	632 75 2.0+1		MILAZZO-COLLI+ (4.1+-0.8)MB.		
J NC 30	632 75 2.0+1		MILAZZO-COLLI+ PRECOMPOUND = 3.4MB.	PAR	
J NC 30	632 75 2.0+1		MILAZZO-COLLI+ 0.7MB.	DI	
	²³² Th(p, spallation)Spallation fragments σ(E)				
348 MRY A BAP 21	583 76 1.0+Z		SCHUSTER+ NDG	PRD	
	U(p, fission) ¹²⁸ I σ(E)				
349 MCG J JIN 38	365 76 1.7+1		DIKSIC+ NO ISOMER FOUND(T1/2=15-2500).	RAW	
	U(p, fission)Fission fragments fission yield				
350 CHI J JIN 34	1485 72 4.5+2		PANDNTIN+ TBL. A=105-129. CH YLD.	PRD	
	U(p, fission)Fission fragments σ(E)				
351 CHI J JIN 34	1485 72 4.5+2		PANDNTIN+ TBL. CURV. Z=47-51. A=105-129		
4 EXFORB0014.002	76 4.5+2		CUM YLD. 47-AG-105. (0.22+-0.01)MB.		
4 EXFORB0014.003	76 4.5+2		IND YLD. 47-AG-106-M. (0.47+-0.02)MB.		
4 EXFORB0014.004	76 4.5+2		CUM YLD. 49-IN-109. (0.109+-0.005)MB.		
4 EXFORB0014.005	76 4.5+2		IND YLD. 47-AG-110-M. (6.2+-0.13)MB.		
4 EXFORB0014.006	76 4.5+2		IND YLD. 49-IN-110-G. (78+-32)E-3MB.		
4 EXFORB0014.007	76 4.5+2		IND YLD. 49-IN-110-M. (189+-4)E-3MB.		
4 EXFORB0014.008	76 4.5+2		IND YLD. 49-IN-113-M. (0.12+-0.02)MB.		
4 EXFORB0014.009	76 4.5+2		CUM YLD. 50-SN-113. (0.48+-0.01)MB.		
4 EXFORB0014.010	76 4.5+2		IND YLD. 49-IN-114-M. (5.3+-0.3)MB.		
4 EXFORB0014.011	76 4.5+2		CUM YLD. 47-AG-115-G. (19.9+-1.1)MB.		
4 EXFORB0014.012	76 4.5+2		CUM YLD. 48-CD-115-G. (35.8+-1.3)MB.		
4 EXFORB0014.013	76 4.5+2		CUM YLD. 48-CD-115-M. (13.6+-0.3)MB.		
4 EXFORB0014.014	76 4.5+2		IND YLD. 49-IN-115-M. (0.38+-0.05)MB.		
4 EXFORB0014.015	76 4.5+2		CUM YLD. 51-SB-115. (0.31+-0.01)MB.		
4 EXFORB0014.016	76 4.5+2		IND YLD. 49-IN-116-M. (11.1+-0.9)		
4 EXFORB0014.017	76 4.5+2		IND YLD. 51-SB-116-M. (0.6+-0.21)MB.		
4 EXFORB0014.018	76 4.5+2		IND YLD. 51-SB-116-G. (0.07+-0.07)MB.		
4 EXFORB0014.019	76 4.5+2		CUM YLD. 48-CD-117-G. (15.4+-0.3)MB.		
4 EXFORB0014.020	76 4.5+2		CUM YLD. 48-CD-117-M. (25.2+-0.5)MB.		
4 EXFORB0014.021	76 4.5+2		IND YLD. 49-IN-117-M. (0.71+-0.14)MB.		
4 EXFORB0014.022	76 4.5+2		IND YLD. 49-IN-117-G. (14.+-1.1)MB.		
4 EXFORB0014.023	76 4.5+2		IND YLD. 50-SN-117-M. (6.81+-0.12)MB.		
4 EXFORB0014.024	76 4.5+2		IND YLD. 51-SB-117. (1.7+-0.1)MB.		
4 EXFORB0014.025	76 4.5+2		IND YLD. 51-SB-118-M. (1.78+-0.09)MB.		
4 EXFORB0014.026	76 4.5+2		IND YLD. 51-SB-120-M. (5.44+-0.13)MB.		
4 EXFORB0014.027	76 4.5+2		IND YLD. 51-SB-122-M. (12.3+-0.2)MB.		
4 EXFORB0014.028	76 4.5+2		CUM YLD. 50-SN-123-M. (8.6+-0.4)MB.		
4 EXFORB0014.029	76 4.5+2		CUM YLD. 50-SN-123-G. (16.2+-0.3)MB.		
4 EXFORB0014.030	76 4.5+2		IND YLD. 51-SB-124-M. (11.7+-0.5)MB.		
4 EXFORB0014.031	76 4.5+2		IND YLD. 51-SB-124-M2. (1.3+-0.3)MB.		
4 EXFORB0014.032	76 4.5+2		CUM YLD. 50-SN-125-G. (10.6+-1.4)MB.		
4 EXFORB0014.033	76 4.5+2		IND YLD. 51-SB-125. (12.3+-0.9)MB.		
4 EXFORB0014.034	76 4.5+2		CUM YLD. 51-SB-125. (23.5+-1.8)MB.		
4 EXFORB0014.035	76 4.5+2		IND YLD. 51-SB-126-M. (1.2+-0.1)MB.		
4 EXFORB0014.036	76 4.5+2		IND YLD. 51-SB-126-G. (8.06+-0.16)MB.		
4 EXFORB0014.037	76 4.5+2		CUM YLD. 50-SN-127-G. (3.8+-0.3)MB.		
4 EXFORB0014.038	76 4.5+2		CUM YLD. 51-SB-127. (12.8+-0.5)MB.		
4 EXFORB0014.039	76 4.5+2		IND YLD. 51-SB-127. (8.4+-0.8)MB.		
4 EXFORB0014.040	76 4.5+2		CUM YLD. 50-SN-128. (1.7+-0.03)MB.		
4 EXFORB0014.041	76 4.5+2		IND YLD. 51-SB-128, PAR. (1.57+-0.75)		
4 EXFORB0014.042	76 4.5+2		CUM YLD. 51-SB-128, PAR. (4.07+-0.04)		

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
U(p,fission)Fission fragments $\sigma(E)$					
351 CHI	4 EXFORB0014.043	76	4.5+2	IND YLD. 51-SB-128, PAR. (3.99+-0.13)	
	4 EXFORB0014.044	76	4.5+2	CUM YLD. 50-SB-129-G. (0.87+-0.04)MB.	
	4 EXFORB0014.045	76	4.5+2	IND YLD. 51-SB-129. (2.9+-0.1)MB.	
	4 EXFORB0014.046	76	4.5+2	CUM YLD. 51-SB-129. (3.9+-0.3)MB.	
U(p,fission+spallation)Fission fragments $\sigma(E)$					
352 PUR	J PR/C 8 1091	73	1.0+3	YU+ TBL. CURV. Z=53-56. A=122-136. PRD/CUM/IND	
	4 EXFORB0012.002	76	1.0+3	CUM YLD. 54-XE-122. (4.2+-0.4)MB PRD/CUM/IND	
	4 EXFORB0012.003	76	1.0+3	CUM YLD. 54-XE-124. (6.9+-0.7)MB PRD/CUM/IND	
	4 EXFORB0012.004	76	1.0+3	CUM YLD. 54-XE-125. (7.9+-0.9)MB PRD/CUM/IND	
	4 EXFORB0012.005	76	1.0+3	CUM YLD. 54-XE-126. (11.5+-1.2)MB	
	4 EXFORB0012.006	76	1.0+3	CUM YLD. 54-XE-127. (9.5+-0.9)MB PRD/CUM/IND	
	4 EXFORB0012.007	76	1.0+3	CUM YLD. 54-XE-128. (13.4+-1.3)MB	
	4 EXFORB0012.008	76	1.0+3	CUM YLD. 54-XE-129. (11.2+-1.1)MB	
	4 EXFORB0012.009	76	1.0+3	CUM YLD. 54-XE-130. (7.4+-0.7)MB PRD/CUM/IND	
	4 EXFORB0012.010	76	1.0+3	CUM YLD. 54-XE-131. (23.3+-2.3)MB	
	4 EXFORB0012.011	76	1.0+3	CUM YLD. 54-XE-132. (13.7+-1.4)MB	
	4 EXFORB0012.012	76	1.0+3	CUM YLD. 54-XE-133. (11.4+-1.2)MB	
	4 EXFORB0012.013	76	1.0+3	CUM YLD. 54-XE-134. (10.7+-1.0)MB	
	4 EXFORB0012.014	76	1.0+3	CUM YLD. 54-XE-135. (8.4+-1.2)MB PRD/CUM/IND	
	4 EXFORB0012.015	76	1.0+3	CUM YLD. 54-XE-136. (8.0+-0.8)MB PRD/CUM/IND	
	4 EXFORB0012.016	76	1.0+3	IND YLD. 54-XE-122. (2.16+-0.22)MB	
	4 EXFORB0012.017	76	1.0+3	IND YLD. 54-XE-124. (3.0+-0.2)MB PRD/CUM/IND	
	4 EXFORB0012.018	76	1.0+3	IND YLD. 54-XE-125. (3.1+-0.69)MB	
	4 EXFORB0012.019	76	1.0+3	IND YLD. 54-XE-126. (2.86+-0.58)MB	
	4 EXFORB0012.020	76	1.0+3	IND YLD. 54-XE-127. (2.12+-0.63)MB	
	4 EXFORB0012.021	76	1.0+3	IND YLD. 54-XE-128. (2.22+-0.64)MB	
	4 EXFORB0012.022	76	1.0+3	IND YLD. 54-XE-129. (2.47+-0.31)MB	
	4 EXFORB0012.023	76	1.0+3	IND YLD. 54-XE-130. (2.74+-0.34)MB	
	4 EXFORB0012.024	76	1.0+3	IND YLD. 54-XE-131. (2.48+-0.3)MB	
	4 EXFORB0012.025	76	1.0+3	IND YLD. 54-XE-132. (2.24+-0.5)MB	
	4 EXFORB0012.026	76	1.0+3	IND YLD. 54-XE-133. (2.7+-0.47)MB	
	4 EXFORB0012.027	76	1.0+3	IND YLD. 54-XE-134. (4.2+-0.67)MB	
	4 EXFORB0012.028	76	1.0+3	IND YLD. 54-XE-135. (4.51+-0.88)MB	
	4 EXFORB0012.029	76	1.0+3	IND YLD. 54-XE-136. (4.84+-0.69)MB	
	4 EXFORB0012.030	76	1.0+3	IND YLD. 53-I-126. (4.3+-1.6)MB PRD/CUM/IND	
	4 EXFORB0012.031	76	1.0+3	IND YLD. 53-I-130. (2.7+-1.3)MB PRD/CUM/IND	
	4 EXFORB0012.032	76	1.0+3	CUM YLD. 53-I-133. (10+-2.7)MB PRD/CUM/IND	
	4 EXFORB0012.033	76	1.0+3	CUM YLD. 55-CS-127. (6.9+-5)MB PRD/CUM/IND	
	4 EXFORB0012.034	76	1.0+3	CUM YLD. 55-CS-129. (8.5+-0.4)MB PRD/CUM/IND	
	4 EXFORB0012.035	76	1.0+3	CUM YLD. 56-BA-128. (5.9+-1.4)MB PRD/CUM/IND	
²³⁵U(p, spallation)Spallation fragments $\sigma(E)$					
353 HRY	A BAP 21 583	76	1.0+2	SCHUSTER+ NDG	PRD
²³⁸U(p,fission) $\sigma(E)$					
354 BUC	J RRP 21 69	76	1.1+1	CALBDREANU+ CURV.	
355 FSU	J JIN 38 969	76	1.6+1	EAKER+ 1.005B.	
²³⁸U(p,fission)¹⁰³Pd $\sigma(E)$					
356 PUR	J JIN 30 2017	68	4.0+2	PANDNTIN+ (0.51+-0.02)MB.	CUM
	4 EXFORB0019.002	76	4.0+2	CUM YLD. 46-PD-103. (0.51+-0.02)MB.	CUM
²³⁸U(p,fission)¹¹¹Pd $\sigma(E)$					
357 HCG	J CJC 54 2349	876	2.0+1	8.5+1 SARKAR+ TBL. ESTIMATED FROM RGM.	INT
²³⁸U(p,fission)¹¹²Pd $\sigma(E)$					
358 HCG	J CJC 54 2349	876	2.0+1	8.5+1 SARKAR+ TBL.	CUM
²³⁸U(p,fission)¹¹¹Ag $\sigma(E)$					
359 HCG	J CJC 54 2349	876	2.0+1	8.5+1 SARKAR+ TBL.	INT
	J CJC 54 2349	876	2.0+1	8.5+1 SARKAR+ TBL.	CUM
²³⁸U(p,fission)¹¹²Ag $\sigma(E)$					
360 HCG	J CJC 54 2349	876	2.0+1	8.5+1 SARKAR+ TBL.	IND
²³⁸U(p,fission)¹¹³Ag $\sigma(E)$					
361 HCG	J CJC 54 2349	876	2.0+1	8.5+1 SARKAR+ TBL. PAR. DUE TO DECY DF AG113M	CUM
²³⁸U(p,fission)¹¹⁵Ag $\sigma(E)$					
362 HCG	J CJC 54 2349	876	2.0+1	8.5+1 SARKAR+ TBL.	CUM

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
²³⁸U(p,fission)¹¹⁵Cd σ(E)					
363 MCG J CJC	54 2349	876	2.0+1 8.5+1	SARKAR+ TBL. ESTIMATED FROM RGM.	IND
²³⁸U(p,fission)¹¹⁵In σ(E)					
364 MCG J CJC	54 2349	876	2.0+1 8.5+1	SARKAR+ TBL. ESTIMATED FROM RGM.	IND
²³⁸U(p,fission)¹¹⁷In ratio ground/metastable state					
365 MCG J CJC	54 2349	876	2.0+1 8.5+1	SARKAR+ TBL.	
²³⁸U(p,fission)¹¹⁷In σ(E)					
366 MCG J CJC	54 2349	876	2.0+1 8.5+1	SARKAR+ TBL.	IND
²³⁸U(p,fission)Fission fragments fission yield					
367 BUC J RRP	21 69	76	1.1+1 1.3+1	CALBOREANU+ CURV.	PRD REL
367 BUC J RRP	21 69	76	1.1+1 1.3+1	CALBOREANU+ CURV. RATIO A=99 TO 112/135	ECT
368 FSU J JIN	38 969	76	1.6+1	EAKER+ TBL. CURV. 2=35-60. A=84-149.	PRD
369 MCG J CJC	54 2349	876	2.0+1 8.5+1	SARKAR+ TBL. 2=46-49. A=111,112,115,117	PRD
369 MCG J CJC	54 2349	876	2.0+1 8.5+1	SARKAR+ CURV. N/Z=1.30-1.60.	PRD
370 MCG A DA/B	37 2235	N76	2.0+1 8.5+1	GALINIER. NDG. RADIOCHEMISTRY.	CUM/IND/PRD
371 MCG A BAP	21 776	76	3.5+1 1.0+2	CHAN+ NDG. IN AND GA ISOTOPIC DISTR.	PRD
²³⁸U(p,fission)Fission fragments σ(E)					
372 MCG J CJC	54 2349	876	2.0+1 8.5+1	SARKAR+ TBL. TOT., PREFIS. CASC + EVAP.	PR
²³⁸U(p,fission)Fission fragments σ(E)					
373 PUR J JIN	30 2017	68	4.5+2	PANONTIN+ TBL. 2=46,47,49. A=103-112.	
4 EXFORB0019.002		76	4.5+2	. CUM YLD. 46-PD-103. (0.35+-0.03)MB.	
4 EXFORB0019.003		76	4.5+2	. CUM YLD. 46-PD-109. (60.4+-2.9)MB.	
4 EXFORB0019.004		76	4.5+2	. CUM YLD. 46-PD-111-B. (33.6+-0.9)MB.	
4 EXFORB0019.005		76	4.5+2	. IND YLD. 46-PD-111-M. (15.3+-1.2)MB.	
4 EXFORB0019.006		76	4.5+2	. CUM YLD. 46-PD-112. (38.0+-1.0)MB.	
4 EXFORB0019.007		76	4.5+2	. CUM YLD. 47-AG-111. (62.2+-1.1)MB.	
4 EXFORB0019.008		76	4.5+2	. IND YLD. 47-AG-112. (19.1+-0.4)MB.	
4 EXFORB0019.009		76	4.5+2	. CUM YLD. 47-AG-113. (40.7+-0.3)MB.	
4 EXFORB0019.010		76	4.5+2	. CUM YLD. 49-IN-111. (0.77+-0.01)MB.	
²⁴¹Am(p,2n)²⁴⁰Cm σ(E)					
374 NBI J NP/A	213 397	73	8.0+0 1.6+1	METAG+ TBL. CURV REL. TO (P,F)	ECT
4 EXFORB0007.002		76	8.0+0 1.6+1	.DED. BY COMPILER FRM NP/A 213,397(75)	
4 EXFORB0007.002		76	8.0+0 1.6+1	. 19 ENTRIES.	ECT
²⁴¹Am(p,fission)Fission fragments σ(E)					
375 NBI J NP/A	213 397	73	8.0+0 1.6+1	METAG+ TBL. CURV. ASSUMED ISOTR. DIST.	PR
4 EXFORB0007.006		76	8.0+0 1.6+1	. 19 ENTRIES.	PR
¹H(d,np)¹H σ(E)					
376 IKD J NP/A	261 13	76	2.7+1	WIELINGA+ (169+-36)MB	
⁴He(d,pan) product yield					
377 TOK P NEANDC(J)	-4467	876	8.9+0	SAGARA+ NDG. MULTIPLE PROCESSES DOMINAN	SEQ
⁷Li(d,n) thick target yield					
378 TNL A 76LOWELL	1476	776	+1	NELSDN+ NDG.	
⁷Li(d,xn) thick target yield					
379 TOH P NEANDC(J)	-4460	876	+0	MIYAGI+ NDG. YLD FROM 0 + 90DEG SPECTRA	EMM
⁶Li(d,x) product yield					
380 BIR A BAP	21 1337	76	TR	3.0+0 CAMPBELL+ NDG.	
381 KFI P INDC(SEC)	-5064	176	NDG	SZENTPETERY. NDG. WORK BEING PLANNED.	
⁶Li(d,γ)⁸Be σ(E)					
382 STB J PL/B	65 126	76	6.8+0 7.1+0	NDE+ CURV. NEAR J=0+, I=2 STATE. 9-10.4G	EMM
⁷Li(d,na)⁴He σ(E)					
383 IJI J IZV	39 1722	75	1.9+0 2.1+0	GRANTSEV+ APP. 10PRCT DUE TO RESCATTER.	PAR
383 IJI J BAS	39 131	76	1.9+0 2.1+0	. TRANSLATION OF IZV 39.1722(75).	PAR ECT
⁷Li(d,p)⁸Li σ(E)					
384 BYU J NP/A	263 389	76	6.1-1 2.0+0	SCHILLING+ CURV. TBL. MEAS. DELAYED A	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	¹⁰ B(d,α) ⁸ Li σ(E)				
385	FLA A BAP 21 514	76	8.0-1 4.0+0	GRIGGS+ NDG. OBSERVED STRONG RESONANCES	
	¹² C(d,2np) ¹¹ C σ(E)				
386	SAC J NIM 95 307	71	2.0+3	BANAIGS+ (41.7+-2.9)MB.	
	4 EXFORB0013.002	76	0.0+0	. 1 ENTRY.	
	¹⁴ N(d,p) ¹³ N σ(E)				
387	DEB J NP/A 270 200	76	0.0+0	VALEK+ EXTRAPOLATED S-FACTOR TO 0	FCT
	J NP/A 270 200	76	3.1-1 6.4-1	VALEK+ TBL. SIG FOR P0-P5 GROUPS.	PAR
	¹⁹ F(d,p) ²⁰ F σ(E)				
388	ALQ J NC 33 535	76	1.0+0 1.5+0	BEAUMEVILLE+ CURV. 5 GROUPS.	PAR
	²⁰ Ne(d,α) ¹⁸ F σ(E)				
389	PEN J PR/C 14 1695	76	1.0+1	FORTUNE+ (858+-18)E-6B. ANGLE INTEG.	GND
	Hg(d,x) ²⁴ Ne σ(E)				
390	CLU J PR/C 13 976	76	8.7+0 1.8+1	WILSON+ TBL. ENERGY SPREAD 1.7 TO 2.2	
	Hg(d,x) ²³ Ne σ(E)				
391	CLU J PR/C 13 976	76	8.7+0 1.8+1	WILSON+ TBL. ENERGY SPREAD 1.7 TO 2.2	
	Hg(d,x) ²² Hg σ(E)				
392	CLU J PR/C 13 976	76	8.7+0 1.8+1	WILSON+ TBL. ENERGY SPREAD 1.7 TO 2.2	
	Hg(d,x) ²³ Al σ(E)				
393	CLU J PR/C 13 976	76	8.7+0 1.8+1	WILSON+ TBL. ENERGY SPREAD 1.7 TO 2.2	
	Hg(d,x) ²⁴ Al σ(E)				
394	CLU J PR/C 13 976	76	8.7+0 1.8+1	WILSON+ TBL. ENERGY SPREAD 1.7 TO 2.2	
	²⁴ Hg(d,p) ²³ Hg σ(E)				
395	IJI J YF 22 917	N75	1.4+1	TOKAREVSKII+ FCT=(Z1(I)+1)/(Z1(F)+1).	FCT
	J SNP 22 477	76	1.4+1	. TRANSLATION OF YF 22(5), 917(75).	FCT
	²⁵ Hg(d,p) ²⁴ Hg σ(E)				
396	IJI J YF 22 917	N75	1.4+1	TOKAREVSKII+ FCT=(Z1(I)+1)/(Z1(F)+1).	FCT
	J SNP 22 477	76	1.4+1	. TRANSLATION OF YF 22(5), 917(75).	FCT
	²⁷ Al(d,2n3p) ²⁴ Ne σ(E)				
397	SAC J NIM 95 307	71	0.0+0	BANAIGS+ (15.3+-1.5)MB.	
	4 EXFORB0013.003	76	0.0+0	. 1 ENTRY.	
	²⁷ Al(d,x) ²⁴ Ne σ(E)				
398	CLU J PR/C 13 976	76	8.7+0 1.8+1	WILSON+ TBL. ENERGY SPREAD 1.7 TO 2.2	
	²⁷ Al(d,x) ²⁷ Mg σ(E)				
399	CLU J PR/C 13 976	76	8.7+0 1.8+1	WILSON+ TBL. ENERGY SPREAD 1.7 TO 2.2	
	²⁷ Al(d,p) ²⁸ Al σ(E)				
400	CLU 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) ²⁷ Si σ(E)				
401	CLU J PR/C 13 976	76	8.7+0 1.8+1	WILSON+ TBL. ENERGY SPREAD 1.7 TO 2.2	
	Si(d,x) ²⁸ Al σ(E)				
402	CLU J PR/C 13 976	76	8.7+0 1.8+1	WILSON+ TBL. ENERGY SPREAD 1.7 TO 2.2	
	Si(d,x) ²⁹ Al σ(E)				
403	CLU J PR/C 13 976	76	8.7+0 1.8+1	WILSON+ TBL. ENERGY SPREAD 1.7 TO 2.2	
	Si(d,x) ²⁹ P σ(E)				
404	CLU J PR/C 13 976	76	8.7+0 1.8+1	WILSON+ TBL. ENERGY SPREAD 1.7 TO 2.2	
	S(d,x) ³⁴ Cl thick target yield				
405	FEI J ARI 27 159	76	6.1+0 2.2+1	ZATOLKIN+ CURV. T1/2=32.2MIN.	
	Cl(d,x) ³⁸ Cl thick target yield				
406	FEI J ARI 27 159	76	2.8+0 2.2+1	ZATOLKIN+ CURV. T1/2=32.2MIN.	

EXPERIMENTAL REFERENCES(cont)

No.	Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
		⁶⁴ Zn(d,n) ⁶¹ Cu σ(E)				
407	KTO J BCR	52	233	174 8.4+0	1.4+1 NISHI+ TBL. CURV. RADIOCHEM. METHOD.	
		⁶⁴ Zn(d,a) ⁶² Cu σ(E)				
408	KTO J BCR	52	233	174 3.2+0	1.4+1 NISHI+ TBL. CURV. RADIOCHEM. METHOD.	
		⁶⁴ Zn(d,p) ⁶⁵ Zn σ(E)				
409	KTO J BCR	52	233	174 3.5+0	1.4+1 NISHI+ TBL. CURV. RADIOCHEM. METHOD.	
		⁶⁴ Zn(d,Zn) ⁶⁴ Ge σ(E)				
410	KTO J BCR	52	233	174 1.3+1	1.4+1 NISHI+ TBL. CURV. RADIOCHEM. METHOD.	
		⁶⁴ Zn(d,n) ⁶⁵ Ge σ(E)				
411	KTO J BCR	52	233	174 3.2+0	1.4+1 NISHI+ TBL. CURV. RADIOCHEM. METHOD.	
		⁶⁶ Zn(d,p) ⁶⁷ Ge product yield				
412	NLP J ARI	27	1	76 1.6+1	NEIRINKX+ 100CI/AH FOR 0.2MM TARGET.	
		⁶⁶ Zn(d,p) ⁶⁷ Ge thick target yield				
413	NLP J ARI	27	1	76 1.6+1	NEIRINKX+ TBL.	
		Ge(d,xn) ⁷³ As σ(E)				
414	FEI J AE	41	48	776 2.2+1	DMITRIEV+ (46.4+-6.0)MICROC/MICROAMP-H	
		Ge(d,xn) ⁷⁴ As σ(E)				
415	FEI J AE	41	48	776 2.2+1	DMITRIEV+ (231+-30)MICROC/MICROAMP-H	
		⁷⁰ Ge(d,n) ⁷³ Ge σ(E)				
416	KTO J BCR	52	233	174 1.1+1	1.4+1 NISHI+ TBL. CURV. RADIOCHEM. METHOD.	
		⁷⁰ Ge(d,a) ⁷⁶ Ge σ(E)				
417	KTO J BCR	52	233	174 8.7+0	1.4+1 NISHI+ TBL. CURV. RADIOCHEM. METHOD.	
		⁷⁰ Ge(d,p) ⁷⁰ Ge σ(E)				
418	KTO J BCR	52	233	174 3.5+0	1.4+1 NISHI+ TBL. CURV. RADIOCHEM. METHOD.	
		⁷⁰ Ge(d,Zn) ⁷⁰ As σ(E)				
419	KTO J BCR	52	233	174 3.5+0	1.4+1 NISHI+ TBL. CURV. RADIOCHEM. METHOD.	
		⁷⁰ Ge(d,n) ⁷⁰ As σ(E)				
420	KTO J BCR	52	233	174 3.2+0	1.4+1 NISHI+ TBL. CURV. RADIOCHEM. METHOD.	
		⁷⁵ As(d,t) ⁷⁴ As σ(E)				
421	FEI J AE	41	48	776 2.3+1	DMITRIEV+ (30+-4)MICROC/MICROAMP-H	
		⁸² Kr(d,x) ⁸² Co σ(E)				
422	ANL J ARI	27	330	76 2.2+1	GINDLER+ FRACT ACT. .LE. 0.01 PER CENT REL	
		⁸² Kr(d,3n) ⁸¹ Rb σ(E)				
423	ANL J ARI	27	330	76 2.2+1	GINDLER+ FRACTIONAL ACT.=66.5 PER CENT GND REL	
		⁸² Kr(d,Zn) ⁸² Rb σ(E)				
424	ANL J ARI	27	330	76 2.2+1	GINDLER+ FRACTIONAL ACT.=33.5 PER CENT PAR REL	
		⁸² Kr(d,n) ⁸³ Rb σ(E)				
425	ANL J ARI	27	330	76 2.2+1	GINDLER+ FRACT ACT. .LE. 0.1 PER CENT GND REL	
		⁸⁹ Y(d,p) ⁹⁰ Y σ(E)				
426	KTO J BCR	52	170	174 5.0+0	1.5+1 OKAMURA+ CURV. NEW CALC. METH.	
		⁸⁹ Y(d,p) ⁹⁰ Y σ(E)				
427	KTO J BCR	52	170	174 5.0+0	1.5+1 OKAMURA+ CURV. NEW CALC. METH.	
		Mo(d,xn) ⁹⁵ Tc thick target yield				
428	CCP J AE	40	66	76 5.0+0	2.2+1 DMITRIEV+ CURV. (9.3+-1.1)CI/A-H MAX.	
	J SJA	40	75	76 5.0+0	2.2+1 . TRANSLATION OF AE 40(1), 66(76).	
		Mo(d,xn) ⁹⁶ Tc thick target yield				
429	CCP J AE	40	66	76 5.0+0	2.2+1 DMITRIEV+ CURV. (638+-76)CI/A-H MAX.	
	J SJA	40	75	76 5.0+0	2.2+1 . TRANSLATION OF AE 40(1), 66(76).	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
Mo(d,xn)⁹⁷Tc thick target yield					
430 CCP J AE	40 66	76 5.0+0	2.2+1	DMITRIEV+ CURV. (4.6+-0.6) CI/A-H MAX.	
J SJA	40 75	76 5.0+0	2.2+1	. TRANSLATION OF AE 40(1), 66(76).	
⁹⁴Mo(d,2n)⁹⁴Tc e(E)					
431 IJI J IZV	39 2127	75 8.0+0	1.1+1	ALEKSANDROV+ CURV. ACTIVATION.	
J BAS	39 103	76 8.0+0	1.1+1	. TRANSLATION OF IZV 39(10), 2127(75).	
⁹⁴Mo(d,n)⁹⁵Tc e(E)					
432 IJI J IZV	39 2127	75 5.0+0	1.1+1	ALEKSANDROV+ CURV. ACTIVATION.	
J BAS	39 103	76 5.0+0	1.1+1	. TRANSLATION OF IZV 39(10), 2127(75).	
¹¹⁰Cd(d,p)¹¹⁷Cd ratio metastable/ground state					
433 SUL J IZV	40 2229	76 7.5+0	1.2+1	ZAPYUIN+ CURV. 85.5% CD116.	
¹¹⁰Cd(d,p)^{117m}Cd e(E)					
434 SUL J IZV	40 2229	76 7.5+0	1.2+1	ZAPYUIN+ CURV. 85.5% CD116.	REL
¹¹⁰Cd(d,p)^{117m}Cd e(E)					
435 SUL J IZV	40 2229	76 7.5+0	1.2+1	ZAPYUIN+ CURV. 85.5% CD116.	REL
¹¹⁰Cd(d,2n)¹¹⁰In e(E)					
436 SUL J IZV	40 2229	76 7.5+0	1.2+1	ZAPYUIN+ CURV. 85.5% CD116.	REL
¹¹⁰Cd(d,n)¹¹⁷In ratio metastable/ground state					
437 SUL J IZV	40 2229	76 7.5+0	1.2+1	ZAPYUIN+ CURV. 85.5% CD116.	
¹¹⁰Cd(d,n)^{117m}In e(E)					
438 SUL J IZV	40 2229	76 7.5+0	1.2+1	ZAPYUIN+ CURV. 85.5% CD116.	REL
¹¹⁰Cd(d,n)^{117m}In e(E)					
439 SUL J IZV	40 2229	76 7.5+0	1.2+1	ZAPYUIN+ CURV. 85.5% CD116.	REL
¹³⁰Te(d,p)¹³¹Te e(E)					
440 KTO J BCR	52 170 174	4.3+0	1.4+1	OKAMURA+ TBL. CURV. NEW CALC. METH.	
¹³⁰Te(d,p)^{131m}Te e(E)					
441 KTO J BCR	52 170 174	4.3+0	1.4+1	OKAMURA+ TBL. CURV. NEW CALC. METH.	
¹⁴²Nd(d,2n)¹⁴²Pm e(E)					
442 ROS J NP/A	274 61 D76	1.4+1		FUNKE+ TBL. EG=.0264 TO .7568.	PAR G REL
¹⁴⁴Sm(d,n)¹⁴⁴Eu e(E)					
443 ROS J NP/A	274 61 D76	1.4+1		FUNKE+ TBL. EG=.0076 TO .4507.	PAR G REL
¹⁹⁷Au(d,fission)Fission fragments ratio ternary/binary e(E)					
444 STR J PR/C	8 1500 73	2.0+3		RAHIMI+ (1.96+-0.3) PER CENT	TER/BIN
4 EXFORB0008.010	76	2.0+3		. 1 ENTRY	TER/BIN
4 EXFORB0008.011	76	2.0+3		. 1 ENTRY	TER/BIN
¹⁹⁷Au(d,fission)Fission fragments e(E)					
445 STR J PR/C	8 1500 73	2.0+3		RAHIMI+ (3.0+-1.3)MB	TER
4 EXFORB0008.011	76	2.0+3		. 1 ENTRY	TER
446 STR J PR/C	8 1500 73	2.0+3		RAHIMI+ (157+-20)MB	BIN
4 EXFORB0008.010	76	2.0+3		. 1 ENTRY	BIN
²⁰²Hg(d,3n)²⁰¹Tl e(E)					
447 CAN J NP/A	275 166 177	1.8+1	2.5+1	SLOCOMBE+ TBL. FOR 24. CURV. FOR ALL.	PAR G
²⁰⁴Hg(d,3n)²⁰³Tl e(E)					
448 CAN J NP/A	275 166 177	1.8+1	2.5+1	SLOCOMBE+ TBL. FOR 24. CURV. FOR ALL.	PAR G
Pb(d,fission)Fission fragments ratio ternary/binary e(E)					
449 STR J PR/C	8 1500 73	2.0+3		RAHIMI+ (1.97+-0.25) PER CENT	TER/BIN
4 EXFORB0008.008	76	2.0+3		. 1 ENTRY	TER/BIN
4 EXFORB0008.009	76	2.0+3		. 1 ENTRY	TER/BIN
Pb(d,fission)Fission fragments e(E)					
450 STR J PR/C	8 1500 73	2.0+3		RAHIMI+ (3.6+-1.3)MB	TER
4 EXFORB0008.009	76	2.0+3		. 1 ENTRY	TER
451 STR J PR/C	8 1500 73	2.0+3		RAHIMI+ (182+-40)MB	BIN

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
Pb(d,fission)Fission fragments $\sigma(E)$					
451 STR 4	EXFORB0008.008	76	2.0+3	. 1 ENTRY	BIN
²⁰⁹Bi(d,fission)Fission fragments ratio ternary/binary $\sigma(E)$					
452 STR J	PR/C 8 1500	73	2.0+3	RAHIMI+ (1.83+-0.24) PER CENT	TER/BIN
4	EXFORB0008.007	76	2.0+3	. 1 ENTRY	TER/BIN
4	EXFORB0008.006	76	2.0+3	. 1 ENTRY	BIN
²⁰⁹Bi(d,fission)Fission fragments $\sigma(E)$					
453 STR J	PR/C 8 1500	73	2.0+3	RAHIMI+ (6.0+-2.0)MB	TER
4	EXFORB0008.007	76	2.0+3	. 1 ENTRY	TER
454 STR J	PR/C 8 1500	73	2.0+3	RAHIMI+ (323+-60)MB	BIN
4	EXFORB0008.006	76	2.0+3	. 1 ENTRY	BIN
²³²Th(d,fission)Fission fragments ratio ternary/binary $\sigma(E)$					
455 STR J	PR/C 8 1500	73	2.0+3	RAHIMI+ (0.70+-0.13) PER CENT	TER/BIN
4	EXFORB0008.005	76	2.0+3	. 1 ENTRY	TER/BIN
4	EXFORB0008.004	76	2.0+3	. 1 ENTRY	TER/BIN
²³²Th(d,fission)Fission fragments $\sigma(E)$					
456 STR J	PR/C 8 1500	73	2.0+3	RAHIMI+ (10.0+-0.3)MB	TER
4	EXFORB0008.005	76	2.0+3	. 1 ENTRY	TER
457 STR J	PR/C 8 1500	73	2.0+3	RAHIMI+ (1.421+-0.260)B	BIN
4	EXFORB0008.004	76	2.0+3	. 1 ENTRY	BIN
U(d,fission)Fission fragments ratio ternary/binary $\sigma(E)$					
458 STR J	PR/C 8 1500	73	2.0+3	RAHIMI+ (0.78+-0.1) PER CENT	TER/BIN
4	EXFORB0008.003	76	2.0+3	. 1 ENTRY	TER/BIN
4	EXFORB0008.002	76	2.0+3	. 1 ENTRY	TER/BIN
U(d,fission)Fission fragments $\sigma(E)$					
459 STR J	PR/C 8 1500	73	2.0+3	RAHIMI+ (13+-4)MB	TER
4	EXFORB0008.003	76	2.0+3	. 1 ENTRY	TER
460 STR J	PR/C 8 1500	73	2.0+3	RAHIMI+ (1.654+-0.340)B	BIN
4	EXFORB0008.002	76	2.0+3	. 1 ENTRY	BIN
²³³U(d,p+fission)Fission fragments product yield					
461 BRC P	NEANDOC(E)-172	776	NDG	CIERJACKS+ NDG. PREL. PRDG. REPT. P. 9.	
²³⁴U(d,p+fission)Fission fragments product yield					
462 STB A	DA/B 36 5657	76	+0	GOLDSTONE. NDG.	
²³⁵U(d,p+fission)Fission fragments product yield					
463 STB A	DA/B 36 5657	76	+0	GOLDSTONE. NDG.	
²³⁸U(d,fission)Fission fragments fission yield					
464 BOC J	JIN 38 975	76	1.4+1 1.7+1	KANDIL+ TBL. CURV. Z=40-60. A=95-149.	PRD
²⁴⁰Pu(d,p+fission)Fission fragments product yield					
465 STB A	DA/B 36 5657	76	+0	GOLDSTONE. NDG.	
Systematics(d,fission)Fission fragments ratio ternary/binary $\sigma(E)$					
466 STR J	PR/C 8 1500	73	2.0+3	RAHIMI+ TBL.U.TH232,BI209,AU197,PB	TER/BIN
Systematics(d,fission)Fission fragments $\sigma(E)$					
467 STR J	PR/C 8 1500	73	2.0+3	RAHIMI+ TBL.U.TH232,BI209,AU197,PB	TER
J	PR/C 8 1500	73	2.0+3	RAHIMI+ TBL.U.TH232,BI209,AU197,PB	BIN
⁹Be(α,⁶He)⁶Li $\sigma(E)$					
468 BER J	AP 95 326	76	2.4+1	VAN-DERTZEN+ SIGMA=4PI*(0.92)MB. T=0	PAR FCT
¹²C(α,γ)¹⁵N $\sigma(E)$					
469 STR J	NP/A 275 1 177	1.0+0	3.4+0	SCHAEFFER+ CURV. GO. INT. ANG. DIST.	PAR
⁶Li(³He,α2α) $\sigma(E)$					
470 TNL J	NSE 60 477	76	3.0+0 6.0+0	GOULD+ CURV. ESTIMATED FROM PROTON CONT	
⁶Li(³He,p)⁸Be $\sigma(E)$					
471 TNL J	NSE 60 477	76	3.0+0 6.0+0	GOULD+ CURV. ANGLE-INTEGRATED	GND
⁹Be(³He,α)⁸Be $\sigma(E)$					
472 KTO J	BCR 52 146 174	1.8+0	3.0+0	SAKAMOTO+ CURV. A(0) GROUP. INTAD.	PAR

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^9\text{Be}(^3\text{He}, 2n)^{10}\text{C}$	$\sigma(\text{E})$			
473	CLU J NP/A 235 11 4 EXFORB0005.002	74 1.0+1 76 1.0+1	4.1+1 4.1+1	MOSS+ CURV. DETECTED DELAYED GAMMAS 9 ENTRIES.	
	$^{10}\text{B}(^3\text{He}, d)^{11}\text{C}$	$\sigma(\text{E})$			
474	ZUR J NIM 136 559 J NIM 136 559	76 1.2+0 76 1.2+0	4.6+0 4.6+0	GASS+ TBL. CURV. DEDUCED FROM TTY. GASS. TBL. CURV. EXTRACTED FROM TTY	
	$^{10}\text{B}(^3\text{He}, d)^{11}\text{C}$	thick target yield			
475	ZUR J NIM 136 559	76 1.2+0	4.6+0	GASS. NDG. DETECTED ANNIHILATION GAMMAS	
	$^{12}\text{C}(^3\text{He}, ^2\text{Be}+x)$	$\sigma(\text{E})$			
476	BRK J PR/C 13 2116	76 0.0+0	3.1+1	PAPE+ CURV. CATCHER FOILS.	
	$^{12}\text{C}(^3\text{He}, \alpha^2\text{Be})^4\text{He}$	$\sigma(\text{E})$			
477	BRK J PR/C 13 2116 J PR/C 13 2116	76 3.0+1 76 3.0+1		PAPE+ VIA 8-0-15. APP 39MB. PAPE+ DIRECT. APP. 20MB.	CN/SEO DI/SEO
	$^{12}\text{C}(^3\text{He}, ^2\text{Be})^4\text{He}$	$\sigma(\text{E})$			
478	BRK J PR/C 13 2116 J PR/C 13 2116	76 3.0+1 76 3.0+1		PAPE+ DIRECT ALPHA PICKUP. APP 1MB. PAPE+ VIA 8-0-15. LT 1MB.	DI CN
	$^{16}\text{O}(^3\text{He}, p)^{18}\text{F}$	$\sigma(\text{E})$			
479	ZUR J NIM 136 559	76 1.5+0	4.6+0	GASS+ TBL. CURV. DEDUCED FROM TTY.	
	$^{16}\text{O}(^3\text{He}, p)^{18}\text{F}$	thick target yield			
480	ZUR J NIM 136 559	76 1.5+0	4.6+0	GASS. NDG. DETECTED ANNIHILATION GAMMAS	
	$^{19}\text{F}(^3\text{He}, \alpha)^{18}\text{F}$	$\sigma(\text{E})$			
481	ZUR J NIM 136 559	76 2.0+0	3.6+0	GASS+ TBL. CURV. DEDUCED FROM TTY.	
	$^{19}\text{F}(^3\text{He}, \alpha)^{18}\text{F}$	thick target yield			
482	ZUR J NIM 136 559	76 2.0+0	3.6+0	GASS. NDG. DETECTED ANNIHILATION GAMMAS	
	$^{24}\text{Mg}(^3\text{He}, x)^{17}\text{O}$	$\sigma(\text{E})$			
483	NRL J PR/C 14 1655	76 8.0+1		SINGH+ 0.005. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{24}\text{Mg}(^3\text{He}, x)^{18}\text{O}$	$\sigma(\text{E})$			
484	NRL J PR/C 14 1655	76 8.0+1		SINGH+ LE 0.002. SUM SIG=1. ALSO PREEQ.	G REL
	$^{24}\text{Mg}(^3\text{He}, x)^{17}\text{F}$	$\sigma(\text{E})$			
485	NRL J PR/C 14 1655	76 8.0+1		SINGH+ LE 0.004. SUM SIG=1. ALSO PREEQ.	G REL
	$^{24}\text{Mg}(^3\text{He}, x)^{18}\text{F}$	$\sigma(\text{E})$			
486	NRL J PR/C 14 1655	76 8.0+1		SINGH+ 0.015. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{24}\text{Mg}(^3\text{He}, x)^{19}\text{F}$	$\sigma(\text{E})$			
487	NRL J PR/C 14 1655	76 8.0+1		SINGH+ 0.012. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{24}\text{Mg}(^3\text{He}, x)^{20}\text{F}$	$\sigma(\text{E})$			
488	NRL J PR/C 14 1655	76 8.0+1		SINGH+ 0.004. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{24}\text{Mg}(^3\text{He}, x)^{19}\text{Ne}$	$\sigma(\text{E})$			
489	NRL J PR/C 14 1655	76 8.0+1		SINGH+ 0.005. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{24}\text{Mg}(^3\text{He}, x)^{20}\text{Ne}$	$\sigma(\text{E})$			
490	NRL J PR/C 14 1655	76 8.0+1		SINGH+ 0.162. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{24}\text{Mg}(^3\text{He}, x)^{21}\text{Ne}$	$\sigma(\text{E})$			
491	NRL J PR/C 14 1655	76 8.0+1		SINGH+ 0.065. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{24}\text{Mg}(^3\text{He}, x)^{22}\text{Ne}$	$\sigma(\text{E})$			
492	NRL J PR/C 14 1655	76 8.0+1		SINGH+ 0.027. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{24}\text{Mg}(^3\text{He}, x)^{21}\text{Ne}$	$\sigma(\text{E})$			
493	NRL J PR/C 14 1655	76 8.0+1		SINGH+ 0.020. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{24}\text{Mg}(^3\text{He}, x)^{22}\text{Ne}$	$\sigma(\text{E})$			
494	NRL J PR/C 14 1655	76 8.0+1		SINGH+ 0.078. SUM SIG = 1. ALSO PREEQ.	G REL

EXPERIMENTAL REFERENCES(cont)

No.	Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
		$^{24}\text{Hg}(^3\text{He}, x)^{23}\text{Ne}$			$\sigma(E)$	
495	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.134. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{24}\text{Hg}(^3\text{He}, 3p)^{24}\text{Ne}$			$\sigma(E)$	
496	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.001. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{24}\text{Hg}(^3\text{He}, x)^{22}\text{Hg}$			$\sigma(E)$	
497	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.002. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{24}\text{Hg}(^3\text{He}, x)^{23}\text{Hg}$			$\sigma(E)$	
498	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.077. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{24}\text{Hg}(^3\text{He}, x)^{24}\text{Hg}$			$\sigma(E)$	
499	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.364. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{24}\text{Hg}(^3\text{He}, x)^{23}\text{Hg}$			$\sigma(E)$	
500	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.012. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{24}\text{Hg}(^3\text{He}, 2p)^{25}\text{Al}$			$\sigma(E)$	
501	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.013. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{24}\text{Hg}(^3\text{He}, p)^{26}\text{Al}$			$\sigma(E)$	
502	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.002. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{24}\text{Hg}(^3\text{He}, 2n)^{25}\text{Si}$			$\sigma(E)$	
503	CLU J NP/A	235	11	74 2.1+1	4.3+1 HOSS+ CURV. DETECTED DELAYED PROTONS.	
		4 EXFORB0005.004	76	2.5+1	4.3+1 7 ENTRIES.	
		$^{25}\text{Hg}(^3\text{He}, \alpha)^{24}\text{Hg}$			$\sigma(E)$	
504	MIL J NC	35	33	976 9.0+0	1.3+1 NOTARRIGO+ CURV. A(0)-A(5)GRPS. INTAD.	PAR
		$^{26}\text{Hg}(^3\text{He}, x)^{17}\text{O}$			$\sigma(E)$	
505	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.006. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{26}\text{Hg}(^3\text{He}, x)^{18}\text{O}$			$\sigma(E)$	
506	NRL J PR/C	14	1655	76 8.0+1	SINGH+ LE 0.007. SUM SIG=1. ALSO PREEQ.	G REL
		$^{26}\text{Hg}(^3\text{He}, x)^{17}\text{F}$			$\sigma(E)$	
507	NRL J PR/C	14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
		$^{26}\text{Hg}(^3\text{He}, x)^{18}\text{F}$			$\sigma(E)$	
508	NRL J PR/C	14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.045. SUM SIG=1	G REL
		$^{26}\text{Hg}(^3\text{He}, x)^{19}\text{F}$			$\sigma(E)$	
509	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.009. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{26}\text{Hg}(^3\text{He}, x)^{20}\text{F}$			$\sigma(E)$	
510	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.006. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{26}\text{Hg}(^3\text{He}, x)^{19}\text{Ne}$			$\sigma(E)$	
511	NRL J PR/C	14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.005. SUM SIG=1	G REL
		$^{26}\text{Hg}(^3\text{He}, x)^{20}\text{Ne}$			$\sigma(E)$	
512	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.017. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{26}\text{Hg}(^3\text{He}, x)^{21}\text{Ne}$			$\sigma(E)$	
513	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.092. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{26}\text{Hg}(^3\text{He}, x)^{22}\text{Ne}$			$\sigma(E)$	
514	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.084. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{26}\text{Hg}(^3\text{He}, x)^{21}\text{Ne}$			$\sigma(E)$	
515	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.003. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{26}\text{Hg}(^3\text{He}, x)^{22}\text{Ne}$			$\sigma(E)$	
516	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.057. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{26}\text{Hg}(^3\text{He}, x)^{23}\text{Ne}$			$\sigma(E)$	
517	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.124. SUM SIG = 1. ALSO PREEQ.	G REL

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{26}\text{Hg}(^3\text{He}, x)^{24}\text{Ne}$			$\sigma(E)$	
518	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.007. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{26}\text{Hg}(^3\text{He}, x)^{25}\text{Ne}$			$\sigma(E)$	
519	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.007. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{26}\text{Hg}(^3\text{He}, x)^{22}\text{Hg}$			$\sigma(E)$	
520	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.001. SUM SIG=1	G REL
	$^{26}\text{Hg}(^3\text{He}, x)^{23}\text{Hg}$			$\sigma(E)$	
521	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.013. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{26}\text{Hg}(^3\text{He}, x)^{24}\text{Hg}$			$\sigma(E)$	
522	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.157. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{26}\text{Hg}(^3\text{He}, x)^{25}\text{Hg}$			$\sigma(E)$	
523	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.073. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{26}\text{Hg}(^3\text{He}, x)^{26}\text{Hg}$			$\sigma(E)$	
524	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.270. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{26}\text{Hg}(^3\text{He}, 2p)^{27}\text{Hg}$			$\sigma(E)$	
525	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.021. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{26}\text{Hg}(^3\text{He}, x)^{25}\text{Al}$			$\sigma(E)$	
526	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{26}\text{Hg}(^3\text{He}, x)^{26}\text{Al}$			$\sigma(E)$	
527	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.021. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{26}\text{Hg}(^3\text{He}, x)^{27}\text{Al}$			$\sigma(E)$	
528	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.024. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{26}\text{Hg}(^3\text{He}, n)^{28}\text{Si}$			$\sigma(E)$	
529	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{27}\text{Al}(^3\text{He}, x)^{17}\text{O}$			$\sigma(E)$	
530	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{27}\text{Al}(^3\text{He}, x)^{18}\text{O}$			$\sigma(E)$	
531	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{27}\text{Al}(^3\text{He}, x)^{17}\text{F}$			$\sigma(E)$	
532	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{27}\text{Al}(^3\text{He}, x)^{18}\text{F}$			$\sigma(E)$	
533	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.005. SUM SIG=1	G REL
	$^{27}\text{Al}(^3\text{He}, x)^{19}\text{F}$			$\sigma(E)$	
534	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.010. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{27}\text{Al}(^3\text{He}, x)^{20}\text{F}$			$\sigma(E)$	
535	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.005. SUM SIG=1	G REL
	$^{27}\text{Al}(^3\text{He}, x)^{19}\text{Ne}$			$\sigma(E)$	
536	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ. = 0.006.	G REL
	$^{27}\text{Al}(^3\text{He}, x)^{20}\text{Ne}$			$\sigma(E)$	
537	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.044. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{27}\text{Al}(^3\text{He}, x)^{21}\text{Ne}$			$\sigma(E)$	
538	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.053. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{27}\text{Al}(^3\text{He}, x)^{22}\text{Ne}$			$\sigma(E)$	
539	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.042. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{27}\text{Al}(^3\text{He}, x)^{21}\text{Ne}$			$\sigma(E)$	
540	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.003. SUM SIG=1	G REL
	$^{27}\text{Al}(^3\text{He}, x)^{22}\text{Ne}$			$\sigma(E)$	
541	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.069. SUM SIG = 1. ALSO PREEQ.	G REL

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{27}\text{Al}(^3\text{He},x)^{23}\text{Ne}$			$\sigma(E)$	
542	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.158. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{27}\text{Al}(^3\text{He},x)^{24}\text{Ne}$			$\sigma(E)$	
543	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.008. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{27}\text{Al}(^3\text{He},x)^{25}\text{Ne}$			$\sigma(E)$	
544	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.008. SUM SIG=1	G REL
	$^{27}\text{Al}(^3\text{He},x)^{22}\text{Mg}$			$\sigma(E)$	
545	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.002. SUM SIG=1	G REL
	$^{27}\text{Al}(^3\text{He},x)^{23}\text{Mg}$			$\sigma(E)$	
546	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.024. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{27}\text{Al}(^3\text{He},x)^{24}\text{Mg}$			$\sigma(E)$	
547	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.185. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{27}\text{Al}(^3\text{He},x)^{25}\text{Mg}$			$\sigma(E)$	
548	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.039. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{27}\text{Al}(^3\text{He},3p)^{26}\text{Mg}$			$\sigma(E)$	
549	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.144. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{27}\text{Al}(^3\text{He},x)^{27}\text{Mg}$			$\sigma(E)$	
550	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.001. SUM SIG=1	G REL
	$^{27}\text{Al}(^3\text{He},x)^{25}\text{Al}$			$\sigma(E)$	
551	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.022. SUM SIG=1	G REL
	$^{27}\text{Al}(^3\text{He},x)^{26}\text{Al}$			$\sigma(E)$	
552	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.069. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{27}\text{Al}(^3\text{He},x)^{27}\text{Al}$			$\sigma(E)$	
553	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.129. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{27}\text{Al}(^3\text{He},x)^{28}\text{Si}$			$\sigma(E)$	
554	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.025. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{27}\text{Al}(^3\text{He},2n)^{28}\text{P}$			$\sigma(E)$	
555	CLU J NP/A 235	11	74 1.4+1 4.1+1	MOSS+ CURV. DETECTED DELAYED GAMMAS	
	4 EXFORB0005.003	76	1.4+1 4.1+1	8 ENTRIES.	
	$\text{S}(^3\text{He},x)^{34}\text{Cl}$			thick target yield	
556	FEI J ARI 27	159	76 6.0+0 3.0+1	ZATOLOKIN+ CURV. T1/2=32.2MIN.	
	$\text{Cl}(^3\text{He},x)^{34}\text{Cl}$			thick target yield	
557	FEI J ARI 27	159	76 9.0+0 3.0+1	ZATOLOKIN+ CURV.	
	$\text{Cl}(^3\text{He},x)^{38}\text{Cl}$			thick target yield	
558	FEI J ARI 27	159	76 1.1+1 3.0+1	ZATOLOKIN+ CURV.	
	$^{48}\text{Ca}(^3\text{He},3n)^{48}\text{Ti}$			$\sigma(E)$	
559	MUN J NC 34	321	76 1.0+1 2.2+1	FORTUNA+ CURV. 5 GAMMA GROUPS.	PAR G REL
	$^{56}\text{Fe}(^3\text{He},x)^{45}\text{Sc}$			$\sigma(E)$	
560	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{56}\text{Fe}(^3\text{He},x)^{48}\text{Sc}$			$\sigma(E)$	
561	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{56}\text{Fe}(^3\text{He},x)^{45}\text{Ti}$			$\sigma(E)$	
562	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{56}\text{Fe}(^3\text{He},x)^{48}\text{Ti}$			$\sigma(E)$	
563	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.013. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He},x)^{49}\text{Ti}$			$\sigma(E)$	
564	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.005. SUM SIG = 1. ALSO PREEQ.	G REL

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{56}\text{Fe}(^3\text{He}, x)^{50}\text{Ti}$	$\sigma(\text{E})$			
565 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{51}\text{Ti}$	$\sigma(\text{E})$			
566 NRL J PR/C 14	1655	76	8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{50}\text{V}$	$\sigma(\text{E})$			
567 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.003. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{51}\text{V}$	$\sigma(\text{E})$			
568 NRL J PR/C 14	1655	76	8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{52}\text{V}$	$\sigma(\text{E})$			
569 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.017. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{48}\text{Cr}$	$\sigma(\text{E})$			
570 NRL J PR/C 14	1655	76	8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{49}\text{Cr}$	$\sigma(\text{E})$			
571 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.039. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{50}\text{Cr}$	$\sigma(\text{E})$			
572 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.041. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{51}\text{Cr}$	$\sigma(\text{E})$			
573 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.086. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{52}\text{Cr}$	$\sigma(\text{E})$			
574 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.050. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{53}\text{Cr}$	$\sigma(\text{E})$			
575 NRL J PR/C 14	1655	76	8.0+1	SINGH+ NOT OBS. PREEQ.=0.002. SUM SIG=1	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{54}\text{Cr}$	$\sigma(\text{E})$			
576 NRL J PR/C 14	1655	76	8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{50}\text{Mn}$	$\sigma(\text{E})$			
577 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{51}\text{Mn}$	$\sigma(\text{E})$			
578 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.008. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{53}\text{Mn}$	$\sigma(\text{E})$			
579 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.016. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He}, 3p)^{56}\text{Mn}$	$\sigma(\text{E})$			
580 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.036. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{53}\text{Fe}$	$\sigma(\text{E})$			
581 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.073. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{54}\text{Fe}$	$\sigma(\text{E})$			
582 NRL J PR/C 14	1655		9.0+1	SINGH+ 0.087. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{55}\text{Fe}$	$\sigma(\text{E})$			
583 NRL J PR/C 14	1655		9.0+1	SINGH+ 0.213. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{56}\text{Fe}$	$\sigma(\text{E})$			
584 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.145. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He}, 2p)^{57}\text{Fe}$	$\sigma(\text{E})$			
585 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.009. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{54}\text{Co}$	$\sigma(\text{E})$			
586 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.008. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{55}\text{Co}$	$\sigma(\text{E})$			
587 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{56}\text{Fe}(^3\text{He}, x)^{56}\text{Co}$	$\sigma(\text{E})$			
588 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.060. SUM SIG = 1. ALSO PREEQ.	G REL

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	⁵⁶ Fe(³ He,x) ⁵⁷ Co σ(E)				
589 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.094. SUM SIG = 1. ALSO PREEQ.	G REL
	⁵⁶ Fe(³ He,x) ⁵⁸ Co σ(E)				
590 NRL J PR/C 14	1655	76	8.0+1	SINGH+ NOT OBS. PREEQ.=0.021. SUM SIG=1	G REL
	⁵⁶ Fe(³ He,x) ⁵⁷ Ni σ(E)				
591 NRL J PR/C 14	1655	76	8.0+1	SINGH+ NOT OBS. PREEQ.=0.015. SUM SIG=1	G REL
	⁵⁶ Fe(³ He,x) ⁵⁸ Ni σ(E)				
592 NRL J PR/C 14	1655	76	8.0+1	SINGH+ NOT OBS. PREEQ.=0.008. SUM SIG=1	G REL
	⁵⁶ Fe(³ He,x) ⁵⁹ Ni σ(E)				
593 NRL J PR/C 14	1655	76	8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	⁵⁸ Ni(³ He,x) ⁴⁵ Sc σ(E)				
594 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.009. SUM SIG = 1. ALSO PREEQ.	G REL
	⁵⁸ Ni(³ He,x) ⁴⁶ Sc σ(E)				
595 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.006. SUM SIG = 1. ALSO PREEQ.	G REL
	⁵⁸ Ni(³ He,x) ⁴³ Ti σ(E)				
596 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.005. SUM SIG = 1. ALSO PREEQ.	G REL
	⁵⁸ Ni(³ He,x) ⁴⁸ Ti σ(E)				
597 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.006. SUM SIG = 1. ALSO PREEQ.	G REL
	⁵⁸ Ni(³ He,x) ⁴⁹ Ti σ(E)				
598 NRL J PR/C 14	1655	76	8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	⁵⁸ Ni(³ He,x) ⁵⁰ Ti σ(E)				
599 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.004. SUM SIG = 1. ALSO PREEQ.	G REL
	⁵⁸ Ni(³ He,x) ⁵¹ Ti σ(E)				
600 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.009. SUM SIG = 1. ALSO PREEQ.	G REL
	⁵⁸ Ni(³ He,x) ⁵⁰ V σ(E)				
601 NRL J PR/C 14	1655	76	8.0+1	SINGH+ NOT OBS. PREEQ.=0.003. SUM SIG=1	G REL
	⁵⁸ Ni(³ He,x) ⁵¹ V σ(E)				
602 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.009. SUM SIG = 1. ALSO PREEQ.	G REL
	⁵⁸ Ni(³ He,x) ⁵² V σ(E)				
603 NRL J PR/C 14	1655	76	8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	⁵⁸ Ni(³ He,x) ⁴⁸ Cr σ(E)				
604 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.010. SUM SIG = 1. ALSO PREEQ.	G REL
	⁵⁸ Ni(³ He,x) ⁴⁹ Cr σ(E)				
605 NRL J PR/C 14	1655	76	8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	⁵⁸ Ni(³ He,x) ⁵⁰ Cr σ(E)				
606 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.015. SUM SIG = 1. ALSO PREEQ.	G REL
	⁵⁸ Ni(³ He,x) ⁵¹ Cr σ(E)				
607 NRL J PR/C 14	1655	76	8.0+1	SINGH+ NOT OBS. PREEQ.=0.015. SUM SIG=1	G REL
	⁵⁸ Ni(³ He,x) ⁵² Cr σ(E)				
608 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.015. SUM SIG = 1. ALSO PREEQ.	G REL
	⁵⁸ Ni(³ He,x) ⁵³ Cr σ(E)				
609 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.011. SUM SIG = 1. ALSO PREEQ.	G REL
	⁵⁸ Ni(³ He,x) ⁵⁴ Cr σ(E)				
610 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.040. SUM SIG = 1. ALSO PREEQ.	G REL
	⁵⁸ Ni(³ He,x) ⁵⁰ Mn σ(E)				
611 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.001. SUM SIG = 1. ALSO PREEQ.	G REL
	⁵⁸ Ni(³ He,x) ⁵¹ Mn σ(E)				
612 NRL J PR/C 14	1655	76	8.0+1	SINGH+ 0.033. SUM SIG = 1. ALSO PREEQ.	G REL

EXPERIMENTAL REFERENCES(cont)

No.	Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
		$^{58}\text{Ni}(^3\text{He}, x)^{52}\text{Mn}$			$\sigma(E)$	
613	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.006. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{58}\text{Ni}(^3\text{He}, x)^{53}\text{Mn}$			$\sigma(E)$	
614	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.016. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{58}\text{Ni}(^3\text{He}, \text{Sp})^{56}\text{Mn}$			$\sigma(E)$	
615	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.006. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{58}\text{Ni}(^3\text{He}, x)^{53}\text{Fe}$			$\sigma(E)$	
616	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.022. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{58}\text{Ni}(^3\text{He}, x)^{54}\text{Fe}$			$\sigma(E)$	
617	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.036. SUM SIG = 1. ALSO PRE Q.	G REL
		$^{58}\text{Ni}(^3\text{He}, x)^{55}\text{Fe}$			$\sigma(E)$	
618	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.132. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{58}\text{Ni}(^3\text{He}, x)^{56}\text{Fe}$			$\sigma(E)$	
619	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.084. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{58}\text{Ni}(^3\text{He}, x)^{57}\text{Fe}$			$\sigma(E)$	
620	NRL J PR/C	14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.001. SUM SIG=1	G REL
		$^{58}\text{Ni}(^3\text{He}, x)^{54}\text{Co}$			$\sigma(E)$	
621	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.011. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{58}\text{Ni}(^3\text{He}, x)^{55}\text{Co}$			$\sigma(E)$	
622	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.003. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{58}\text{Ni}(^3\text{He}, x)^{56}\text{Co}$			$\sigma(E)$	
623	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.089. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{58}\text{Ni}(^3\text{He}, x)^{57}\text{Co}$			$\sigma(E)$	
624	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.171. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{58}\text{Ni}(^3\text{He}, \text{Sp})^{58}\text{Co}$			$\sigma(E)$	
625	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.033. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{58}\text{Ni}(^3\text{He}, x)^{57}\text{Ni}$			$\sigma(E)$	
626	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.013. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{58}\text{Ni}(^3\text{He}, x)^{58}\text{Ni}$			$\sigma(E)$	
627	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.133. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{58}\text{Ni}(^3\text{He}, \text{Sp})^{59}\text{Ni}$			$\sigma(E)$	
628	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.095. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{58}\text{Ni}(^3\text{He}, x)^{59}\text{Cu}$			$\sigma(E)$	
629	NRL J PR/C	14	1655	76 8.0+1	SINGH+ 0.008. SUM SIG = 1. ALSO PREEQ.	G REL
		$^{58}\text{Ni}(^3\text{He}, x)^{60}\text{Cu}$			$\sigma(E)$	
630	NRL J PR/C	14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.012. SUM SIG=1	G REL
		$^{58}\text{Ni}(^3\text{He}, x)^{61}\text{Zn}$			$\sigma(E)$	
631	NRL J PR/C	14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
		$^{64}\text{Zn}(^3\text{He}, x)^{43}\text{Sc}$			$\sigma(E)$	
632	NRL J PR/C	14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
		$^{64}\text{Zn}(^3\text{He}, x)^{44}\text{Sc}$			$\sigma(E)$	
633	NRL J PR/C	14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
		$^{64}\text{Zn}(^3\text{He}, x)^{43}\text{Ti}$			$\sigma(E)$	
634	NRL J PR/C	14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
		$^{64}\text{Zn}(^3\text{He}, x)^{44}\text{Ti}$			$\sigma(E)$	
635	NRL J PR/C	14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
		$^{64}\text{Zn}(^3\text{He}, x)^{45}\text{Ti}$			$\sigma(E)$	
636	NRL J PR/C	14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{64}\text{Zn}(^3\text{He},x)^{50}\text{Ti}$			$\sigma(\text{E})$	
637	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{51}\text{Ti}$			$\sigma(\text{E})$	
638	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.027. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{50}\text{V}$			$\sigma(\text{E})$	
639	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{51}\text{V}$			$\sigma(\text{E})$	
640	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.011. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{52}\text{V}$			$\sigma(\text{E})$	
641	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{48}\text{Cr}$			$\sigma(\text{E})$	
642	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{49}\text{Cr}$			$\sigma(\text{E})$	
643	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{50}\text{Cr}$			$\sigma(\text{E})$	
644	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{51}\text{Cr}$			$\sigma(\text{E})$	
645	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.025. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{52}\text{Cr}$			$\sigma(\text{E})$	
646	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.001. SUM SIG=1	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{53}\text{Cr}$			$\sigma(\text{E})$	
647	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{54}\text{Cr}$			$\sigma(\text{E})$	
648	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{50}\text{Mn}$			$\sigma(\text{E})$	
649	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{51}\text{Mn}$			$\sigma(\text{E})$	
650	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.000. SUM SIG=1	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{52}\text{Mn}$			$\sigma(\text{E})$	
651	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.002. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{53}\text{Mn}$			$\sigma(\text{E})$	
652	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.002. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{54}\text{Mn}$			$\sigma(\text{E})$	
653	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.015. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{57}\text{Mn}$			$\sigma(\text{E})$	
654	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.006. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{53}\text{Fe}$			$\sigma(\text{E})$	
655	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.046. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{54}\text{Fe}$			$\sigma(\text{E})$	
656	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.002. SUM SIG=1	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{55}\text{Fe}$			$\sigma(\text{E})$	
657	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.090. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{56}\text{Fe}$			$\sigma(\text{E})$	
658	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.012. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{57}\text{Fe}$			$\sigma(\text{E})$	
659	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.015. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{58}\text{Fe}$			$\sigma(\text{E})$	
660	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.010. SUM SIG = 1. ALSO PREEQ.	G REL

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{64}\text{Zn}(^3\text{He},x)^{34}\text{Co}$			$\sigma(\text{E})$	
661	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.004. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{35}\text{Co}$			$\sigma(\text{E})$	
662	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.015. SUM SIG=1	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{36}\text{Co}$			$\sigma(\text{E})$	
663	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.039. SUM SIG=1	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{37}\text{Co}$			$\sigma(\text{E})$	
664	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.021. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{38}\text{Co}$			$\sigma(\text{E})$	
665	NRL J PR/C 14	1655	76 8.0+1	SINGH+ NOT OBS. PREEQ.=0.031. SUM SIG=1	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{39}\text{Co}$			$\sigma(\text{E})$	
666	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.013. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{37}\text{Ni}$			$\sigma(\text{E})$	
667	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.017. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{38}\text{Ni}$			$\sigma(\text{E})$	
668	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.023. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{39}\text{Ni}$			$\sigma(\text{E})$	
669	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.070. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{40}\text{Ni}$			$\sigma(\text{E})$	
670	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.092. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{42}\text{Ni}$			$\sigma(\text{E})$	
671	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.064. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{39}\text{Cu}$			$\sigma(\text{E})$	
672	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.005. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{40}\text{Cu}$			$\sigma(\text{E})$	
673	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.010. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{41}\text{Cu}$			$\sigma(\text{E})$	
674	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.034. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{43}\text{Cu}$			$\sigma(\text{E})$	
675	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.053. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{41}\text{Zn}$			$\sigma(\text{E})$	
676	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.023. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{42}\text{Zn}$			$\sigma(\text{E})$	
677	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.007. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{43}\text{Zn}$			$\sigma(\text{E})$	
678	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.082. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{44}\text{Zn}$			$\sigma(\text{E})$	
679	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.196. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{64}\text{Zn}(^3\text{He},x)^{44}\text{Ge}$			$\sigma(\text{E})$	
680	NRL J PR/C 14	1655	76 8.0+1	SINGH+ 0.027. SUM SIG = 1. ALSO PREEQ.	G REL
	$^{89}\text{Y}(^3\text{He},2\text{n})^{86}\text{Y}$			$\sigma(\text{E})$	
681	KFK P NEANDC(E)-172	776	2.6+1 4.0+1	FLACH+ CURV. P. 33.	
	$^{89}\text{Y}(^3\text{He},\text{n})^{87}\text{Y}$			$\sigma(\text{E})$	
682	KFK P NEANDC(E)-172	776	1.3+1 4.0+1	FLACH+ CURV. P. 33.	
	$^{89}\text{Y}(^3\text{He},\alpha)^{86}\text{Y}$			$\sigma(\text{E})$	
683	KFK P NEANDC(E)-172	776	+0 4.0+1	FLACH+ NDG. P. 33.	
	$^{89}\text{Y}(^3\text{He},2\text{p})^{90}\text{Y}$			$\sigma(\text{E})$	
684	KFK P NEANDC(E)-172	776	1.5+1 4.0+1	FLACH+ CURV. P. 33.	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{89}\text{Y}(^3\text{He}, 3\text{np})^{88}\text{Zr}$ $\sigma(\text{E})$				
685	KFK P NEANDC(E)-172	776	+0 4.0+1	FLACH+ NDG. P. 33.	
	$^{89}\text{Y}(^3\text{He}, 2\text{np})^{89}\text{Zr}$ $\sigma(\text{E})$				
686	KFK P NEANDC(E)-172	776	+0 4.0+1	FLACH+ NDG. P. 33.	
	$^{89}\text{Y}(^3\text{He}, 4\text{n})^{88}\text{Nb}$ $\sigma(\text{E})$				
687	KFK P NEANDC(E)-172	776	3.5+1 4.0+1	FLACH+ CURV. P. 33.	
	$^{89}\text{Y}(^3\text{He}, 3\text{n})^{89}\text{Nb}$ $\sigma(\text{E})$				
688	KFK P NEANDC(E)-172	776	2.0+1 4.0+1	FLACH+ CURV. P. 33.	
	$^{89}\text{Y}(^3\text{He}, 2\text{n})^{90}\text{Nb}$ $\sigma(\text{E})$				
689	KFK P NEANDC(E)-172	776	1.3+1 4.0+1	FLACH+ CURV. P. 33.	
	$^{93}\text{Nb}(^3\text{He}, 3\text{np})^{92}\text{Zr}$ $\sigma(\text{E})$				
690	KFK P NEANDC(E)-172	776	+0 4.0+1	FLACH+ NDG. P. 33.	
	$^{93}\text{Nb}(^3\text{He}, 2\text{np})^{92}\text{Zr}$ $\sigma(\text{E})$				
691	KFK P NEANDC(E)-172	776	+0 4.0+1	FLACH+ NDG. P. 33.	
	$^{93}\text{Nb}(^3\text{He}, 4\text{n})^{92}\text{Tc}$ $\sigma(\text{E})$				
692	KFK P NEANDC(E)-172	776	+0 4.0+1	FLACH+ NDG. P. 33.	
	$^{93}\text{Nb}(^3\text{He}, 3\text{n})^{93}\text{Tc}$ $\sigma(\text{E})$				
693	KFK P NEANDC(E)-172	776	+0 4.0+1	FLACH+ NDG. P. 33.	
	$^{93}\text{Nb}(^3\text{He}, 2\text{n})^{94}\text{Tc}$ $\sigma(\text{E})$				
694	KFK P NEANDC(E)-172	776	+0 4.0+1	FLACH+ NDG. P. 33.	
	$^{106}\text{Cd}(^3\text{He}, \text{x})^{105}\text{In}$ $\sigma(\text{E})$				
695	KAZ J ZEP 22 120 75 3.2+1 5.9+1			BURMINSKII+ CURV. 64%CD106. DELAYED G'S	RAW
	J JEL 22 54 75 3.2+1 5.9+1			.TRANSLATION OF ZEP 22,120(1975)	RAW
	$^{106}\text{Cd}(^3\text{He}, \text{x})^{106}\text{In}$ $\sigma(\text{E})$				
696	KAZ J ZEP 22 120 75 2.1+1 5.9+1			BURMINSKII+ CURV. 64%CD106. DELAYED G'S	PAR
	J JEL 22 54 75 2.1+1 5.9+1			.TRANSLATION OF ZEP 22,120(1975)	PAR RAW
	$^{106}\text{Cd}(^3\text{He}, \text{x})^{107}\text{In}$ $\sigma(\text{E})$				
697	KAZ J ZEP 22 120 75 2.1+1 5.9+1			BURMINSKII+ CURV. 64%CD106. DELAYED G'S	RAW
	J JEL 22 54 75 2.1+1 5.9+1			.TRANSLATION OF ZEP 22,120(1975)	RAW
	$^{106}\text{Cd}(^3\text{He}, \text{x})^{107}\text{In}$ $\sigma(\text{E})$				
698	KAZ J ZEP 22 120 75 2.1+1 4.5+1			BURMINSKII+ CURV. 64%CD106. DELAYED G'S	RAW
	J JEL 22 54 75 2.1+1 4.5+1			.TRANSLATION OF ZEP 22,120(1975)	RAW
	$^{106}\text{Cd}(^3\text{He}, 3\text{n})^{106}\text{Sn}$ $\sigma(\text{E})$				
699	KAZ J ZEP 22 120 75 2.1+1 5.9+1			BURMINSKII+ CURV. 64%CD106. DELAYED G'S	RAW
	J JEL 22 54 75 2.1+1 5.9+1			.TRANSLATION OF ZEP 22,120(1975)	RAW
	$^{106}\text{Cd}(^3\text{He}, 2\text{n})^{107}\text{Sn}$ $\sigma(\text{E})$				
700	KAZ J ZEP 22 120 75 2.1+1 4.7+1			BURMINSKII+ CURV. 64%CD106. DELAYED G'S	RAW
	J JEL 22 54 75 2.1+1 4.7+1			.TRANSLATION OF ZEP 22,120(1975)	RAW
	$\text{Pb}(^3\text{He}, \text{xn})^{207}\text{Po}$ product yield				
701	TEH P INDC(SEC)-50	176	NDG	PARSA+ NDG. P. 231	
	$^{206}\text{Pb}(^3\text{He}, \text{fission})$ $\sigma(\text{E})$				
702	PAR J JPR 37	5 176	1.0+2 2.1+2	ANDRE+ CURV. FROM ANG. DIS. OF FF.	
	$^{206}\text{Pb}(^3\text{He}, \text{x})$ $\sigma(\text{E})$				
703	PAR J JPR 37	5 176	8.5+1 2.1+2	ANDRE+ CURV. SUM OF XN, XN+P, AND FISS.	
	J JPR 37	5 176	8.5+1 2.1+2	ANDRE+ CURV. EVAP. RES. FRM XN + XN+P	
	$^{206}\text{Pb}(^3\text{He}, 5\text{np})^{203}\text{Bi}$ $\sigma(\text{E})$				
704	PAR J JPR 37	5 176	8.5+1 2.1+2	ANDRE+ TBL. CURV. ACTIVATION	
	$^{206}\text{Pb}(^3\text{He}, 3\text{np})^{203}\text{Bi}$ $\sigma(\text{E})$				
705	PAR J JPR 37	5 176	8.5+1 2.1+2	ANDRE+ TBL. CURV. ACTIVATION	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{206}\text{Pb}(^3\text{He}, 2n)^{204}\text{Bi}$			$\sigma(\text{E})$	
706 PAR J JPR	37	5	176	1.4+2 2.1+2 ANDRE+ TBL. CURV. ACTIVATION	
	$^{206}\text{Pb}(^3\text{He}, 14n)^{193}\text{Po}$			$\sigma(\text{E})$	
707 PAR J JPR	37	5	176	1.4+2 2.1+2 ANDRE+ TBL. CURV. HE-JET.	
	$^{206}\text{Pb}(^3\text{He}, 14n)^{193}\text{Po}$			$\sigma(\text{E})$	
708 PAR J JPR	37	5	176	1.3+2 2.1-2 ANDRE+ TBL. CURV. HE-JET.	
	$^{206}\text{Pb}(^3\text{He}, 13n)^{196}\text{Po}$			$\sigma(\text{E})$	
709 PAR J JPR	37	5	176	9.5+1 2.1+2 ANDRE+ TBL. CURV. HE-JET.	
	$^{206}\text{Pb}(^3\text{He}, 12n)^{197}\text{Po}$			$\sigma(\text{E})$	
710 PAR J JPR	37	5	176	1.1+2 2.1+2 ANDRE+ TBL. CURV. HE-JET.	
	$^{206}\text{Pb}(^3\text{He}, 12n)^{197}\text{Po}$			$\sigma(\text{E})$	
711 PAR J JPR	37	5	176	9.5+1 2.1+2 ANDRE+ TBL. CURV. HE-JET.	
	$^{206}\text{Pb}(^3\text{He}, 11n)^{198}\text{Po}$			$\sigma(\text{E})$	
712 PAR J JPR	37	5	176	8.5+1 2.1+2 ANDRE+ TBL. CURV. HE-JET.	
	$^{206}\text{Pb}(^3\text{He}, 10n)^{199}\text{Po}$			$\sigma(\text{E})$	
713 PAR J JPR	37	5	176	8.5+1 2.1+2 ANDRE+ TBL. CURV. ACTIVATION.	
	$^{206}\text{Pb}(^3\text{He}, 10n)^{199}\text{Po}$			$\sigma(\text{E})$	
714 PAR J JPR	37	5	176	8.5+1 2.1+2 ANDRE+ TBL. CURV. ACTIVATION.	
	$^{206}\text{Pb}(^3\text{He}, 9n)^{200}\text{Po}$			$\sigma(\text{E})$	
715 PAR J JPR	37	5	176	8.5+1 2.1+2 ANDRE+ TBL. CURV. ACTIVATION.	
	$^{206}\text{Pb}(^3\text{He}, 8n)^{201}\text{Po}$			$\sigma(\text{E})$	
716 PAR J JPR	37	5	176	8.5+1 2.1+2 ANDRE+ TBL. CURV. ACTIVATION.	
	$^{206}\text{Pb}(^3\text{He}, 8n)^{201}\text{Po}$			$\sigma(\text{E})$	
717 PAR J JPR	37	5	176	8.5+1 2.1+2 ANDRE+ TBL. CURV. ACTIVATION.	
	$^{206}\text{Pb}(^3\text{He}, 7n)^{202}\text{Po}$			$\sigma(\text{E})$	
718 PAR J JPR	37	5	176	8.5+1 2.1+2 ANDRE+ TBL. CURV. ACTIVATION.	
	$^{206}\text{Pb}(^3\text{He}, 6n)^{203}\text{Po}$			$\sigma(\text{E})$	
719 PAR J JPR	37	5	176	8.5+1 1.7+2 ANDRE+ TBL. CURV. ACTIVATION.	
	$^{206}\text{Pb}(^3\text{He}, 5n)^{204}\text{Po}$			$\sigma(\text{E})$	
720 PAR J JPR	37	5	176	8.5+1 1.7+2 ANDRE+ TBL. CURV. ACTIVATION.	
	$^{206}\text{Pb}(^3\text{He}, 4n)^{205}\text{Po}$			$\sigma(\text{E})$	
721 PAR J JPR	37	5	176	8.5+1 1.7+2 ANDRE+ TBL. CURV. ACTIVATION.	
	$^{206}\text{Pb}(^3\text{He}, 3n)^{206}\text{Po}$			$\sigma(\text{E})$	
722 PAR J JPR	37	5	176	8.5+1 1.7+2 ANDRE+ TBL. CURV.	
	$^{235}\text{U}(^3\text{He}, d+\text{fission})$			Fission fragments product yield	
723 STB A DA/B	36	5657	76	+0 GOLDSTONE. NDG.	
	Systematics($^3\text{He}, x$)			$\sigma(\text{E})$	
724 NRL J PR/C	14	1655	76	8.0+1 SINGH+ MULTINUCLEON REMOVAL. ALSO PREEQ	PRO
	$^2\text{H}(\alpha, xn)$			thick target yield	
725 HAR P AERE-PR/NP2328	76	+0	7.2+0	WEST+ NDG. PROP. STUDY.	
	$^4\text{He}(\sigma, \text{absorption})$			$\sigma(\text{E})$	
726 BRK J PL/B	63	1	76	3.7+1 4.3+1 SLOBODRIAN+ CURV. INFERRED FROM ELASTIC	
	$^4\text{He}(\sigma, p)^7\text{Li}$			$\sigma(\text{E})$	
727 BRK J PL/B	63	1	76	3.7+1 4.3+1 SLOBODRIAN+ CURV. C.S.+0.477-STATE	CUM
	$^4\text{He}(\sigma, p)^7\text{Li}$			$\sigma(\text{E})$	
728 BRK J PL/B	63	1	76	3.7+1 4.3+1 SLOBODRIAN+ CURV.	GND
	$^4\text{He}(\sigma, n)^7\text{Be}$			$\sigma(\text{E})$	
729 BRK J PL/B	63	1	76	3.7+1 4.3+1 SLOBODRIAN+ CURV. FROM EL AND 7-L1-P.	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	⁴ He(α,γ) ⁸ Be σ(E)				
730	PTN A BAP 22	27	177	3.3+1 3.8+1 GARVEY+ NO INT. DATA GIVEN.	
	¹⁰ B(α,total scattering) ¹⁰ B σ(E)				
731	FLA A BAP 21	514	76	4.0+0 9.0+0 GRIGGS+ NDG. OBSERVED STRONG RESONANCES	
	¹¹ B(α,p) ¹⁴ C σ(E)				
732	CAL J NP/A 261	365	76	1.4+0 2.9+0 DAYRAS+ CURV INTEGRATED ANGULAR DIST	
	¹¹ C(α,p) ¹⁴ N σ(E)				
733	CAL J PR/C 13	524	76	NDG INGALLS+ INV. EQUATION.	
	¹² C(α, ⁸ Be) ⁸ Be σ(E)				
734	STR J PR/C 13	967	76	1.7+1 3.3+1 BROCHARD+ DEDUCED FROM ANGULAR DIST	
	¹² C(α,γ) ¹⁶ O σ(E)				
735	CBR J NP/A 273	397	N76	6.5+0 8.5+0 OPHEL+ TBL. NO CORR. FOR ANG. DIST.	REL
	¹² C(α,resonance) ¹⁶ O σ(E)				
736	CBR J NP/A 273	397	N76	6.5+0 8.5+0 OPHEL+ TBL. 1- RESONANCE.	PAR REL
	¹³ C(α,n) ¹⁶ O σ(E)				
737	AE J NP/A 272	259	N76	7.0-1 1.0+0 RAMSTROM+ CURV. DERIVED S-FACTORS ALSO.	EMM
	J AJ 211	223	76	7.0-1 1.0+0 RAMSTROM+ CURV. THICKNESS=(13E-6)G/CM2.	ECT
	¹³ C(α,n) ¹⁶ O thick target yield				
738	AE J NP/A 272	259	N76	6.0-1 1.2+0 RAMSTROM+ CURV. DERIVED FORMULAE.	ECT
	J AJ 211	223	76	6.0-1 1.2+0 RAMSTROM+ CURV. THICKNESS=(88E-6)G/CM2.	ECT
	¹⁹ F(α,n) ²² Ne σ(E)				
739	TRM P INDC(SEC)-50	176	2.6+0 5.1+0	BALSKRISHNAN+ NDG. 5 KEV STEPS. P. 139	
	²⁶ Mg(α,2p) ²⁴ Mg σ(E)				
740	JUL J ARI 27	431	76	2.0+1 1.6+2 PROBST+ CURV. STACKED FOIL METHOD.	
	²⁶ Mg(α,p) ²⁹ Al σ(E)				
741	JUL J ARI 27	431	76	1.5+1 1.6+2 PROBST+ CURV. STACKED FOIL METHOD.	
	²⁷ Al(α, ²⁴ Ne) ⁷ Be σ(E)				
742	JUL J ARI 27	431	76	6.0-1 1.6+2 PROBST+ CURV. STACKED FOIL METHOD.	SEQ
	²⁷ Al(α,x) ⁷ Be thick target yield				
743	JUL J ARI 27	431	76	3.8+1 1.6+2 PROBST+ CURV. CALC. FROM SIG(E).	
	²⁷ Al(α,n2α) ²² Ne σ(E)				
744	ROC J NP/A 131	513	69	4.6+1 1.2+2 BOWMANN+ CURV. ACTIVATION.	
	4 EXFORB0009.010	76	4.6+1 1.2+2	37 ENTRIES.	
	²⁷ Al(α,x) ²² Ne σ(E)				
745	JUL J ARI 27	431	76	3.0+1 1.6+2 PROBST+ CURV. STACKED FOIL METHOD.	
	J ARI 27	431	76	5.1+1 1.5+2 PROBST+ TBL. NORMALIZED.(2P 233 170 70)	
	²⁷ Al(α,x) ²² Ne thick target yield				
746	JUL J ARI 27	431	76	2.9+1 1.6+2 PROBST+ CURV. CALC. FROM SIG(E).	
	²⁷ Al(α, ⁷ Be) ²⁴ Ne σ(E)				
747	JUL P NEANDC(E)-172	776	+1	1.6+2 WEINRICH+ NDG. P. 43.	
748	ROC J NP/A 131	513	69	4.6+1 1.2+2 BOWMANN+ CURV. ACTIVATION.	
	4 EXFORB0009.011	76	4.6+1 1.2+2	93 ENTRIES.	
	²⁷ Al(α,x) ²⁴ Ne σ(E)				
749	JUL J ARI 27	431	76	3.0+1 1.6+2 PROBST+ CURV. STACKED FOIL METHOD.	
	J ARI 27	431	76	5.1+1 1.5+2 PROBST+ TBL. NORMALIZED.(2P 233 170 70)	
	²⁷ Al(α,x) ²⁴ Ne thick target yield				
750	JUL J ARI 27	431	76	2.0+1 1.6+2 PROBST+ CURV. CALC. FROM SIG(E).	
	²⁷ Al(α,x) ²⁷ Mg σ(E)				
751	JUL J ARI 27	431	76	2.0+1 1.6+2 PROBST+ CURV. STACKED FOIL TECHNIQUE.	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	Emin (MeV)	Emax (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{27}\text{Al}(\alpha, 3p)^{24}\text{Mg}$ $\sigma(E)$				
752 JUL J ARI	27 431	76	3.0+1 1.6+2	PROBST+ CURV. STACKED FOIL METHOD.	
	$^{27}\text{Al}(\alpha, 3p)^{24}\text{Mg}$ thick target yield				
753 JUL J ARI	27 431	76	2.9+1 1.6+2	PROBST+ CURV. CALC. FROM SIG(E).	
	$^{27}\text{Al}(\alpha, n)^{28}\text{Al}$ $\sigma(E)$				
754 JUL J ARI	27 431	76	3.0+1 4.0+1	PROBST+ CURV. STACKED FOIL TECHNIQUE.	
	$^{27}\text{Al}(\alpha, 2p)^{26}\text{Al}$ $\sigma(E)$				
755 JUL J ARI	27 431	76	1.8+1 1.6+2	PROBST+ CURV. STACKED FOIL TECHNIQUE.	
	$^{29}\text{Si}(\alpha, n)^{32}\text{S}$ product yield				
756 TRM P INDC(SEC)-50	176	1.8+0	2.5+0	BALSKRISHNAN+ NDG. DED SIG(N,A) P. 139	
	$^{30}\text{Si}(\alpha, xn)$ thick target yield				
757 HAR P AERE-PR/NP2328	76	+0	7.2+0	WEST+ NDG. PROP. STUDY.	
	$^{30}\text{Si}(\alpha, n)^{33}\text{S}$ $\sigma(E)$				
758 KTY A DA/B	37 2347	N76	4.0+0 6.2+0	SEKHARAN. NDG. 4PI DETECTOR.	
	$\text{P}(\alpha, x)^{34}\text{Cl}$ thick target yield				
759 FEI J ARI	27 159	76	1.1+1 4.2+1	ZATOLOKIN+ CURV. T1/2=32.2MIN.	
	$\text{S}(\alpha, x)^{34}\text{Cl}$ thick target yield				
760 FEI J ARI	27 159	76	2.0+1 4.2+1	ZATDLOKIN+ CURV. T1/2=32.2MIN.	
	$^{32}\text{S}(\alpha, \gamma)^{34}\text{Ar}$ product yield				
761 TRM P INDC(SEC)-50	176	4.5+0	4.8+0	CHAKRABARTY+ NDG. 2 ISLTED RESON P. 137	
	$\text{Cl}(\alpha, x)^{34}\text{Cl}$ thick target yield				
762 FEI J ARI	27 159	76	2.1+1 4.2+1	ZATOLOKIN+ CURV. T1/2=32.2MIN.	
	$\text{Ar}(\alpha, x)^{36}\text{K}$ thick target yield				
763 KFK R KFK-2298	37 476	6.0+1	1.0+2	HELUS+ ACTIVATION. TBL.	
	$^{40}\text{Ca}(\alpha, \text{total scattering})^{40}\text{Ca}$ $\sigma(E)$				
764 HAU J PR/C	14 548	76	2.0+1 2.6+1	EBERHARD+ TBL.	AV
	$^{43}\text{Ca}(\alpha, n)^{44}\text{Ti}$ product yield				
765 CBR A BAP	21 54	177	NDG	RADFORD+ NDG.	G
	$^{44}\text{Ca}(\alpha, \text{total scattering})^{44}\text{Ca}$ $\sigma(E)$				
766 HAU J PR/C	14 548	76	2.0+1 2.6+1	EBERHARD+ TBL.	AV
	$^{51}\text{V}(\alpha, 3n2\alpha)^{44}\text{Sc}$ $\sigma(E)$				
767 ROC J NP/A	131 513	69	6.9+1 1.2+2	BOWMANN+ CURV. ACTIVATION. T1/2=2.44D	
	4 EXFORB0009.009	76	6.9+1 1.2+2	. 49 ENTRIES.	
	$^{51}\text{V}(\alpha, n2\alpha)^{46}\text{Sc}$ $\sigma(E)$				
768 ROC J NP/A	131 513	69	4.6+1 1.2+2	BOWMANN+ CURV. ACTIVATION	
	4 EXFORB0009.008	76	4.6+1 1.2+2	. 45 ENTRIES.	
	$^{51}\text{V}(\alpha, 2\alpha)^{47}\text{Sc}$ $\sigma(E)$				
769 ROC J NP/A	131 513	69	3.2+1 1.2+2	BOWMANN+ CURV. ACTIVATION.	
	4 EXFORB0009.007	76	3.2+1 1.2+2	. 72 ENTRIES.	
	$^{51}\text{V}(\alpha, n2p\alpha)^{48}\text{Sc}$ $\sigma(E)$				
770 ROC J NP/A	131 513	69	6.1+1 1.2+2	BOWMANN+ CURV. ACTIVATION	
	4 EXFORB0009.006	76	6.1+1 1.2+2	. 63 ENTRIES.	
	$^{51}\text{V}(\alpha, 3n\alpha)^{48}\text{V}$ $\sigma(E)$				
771 ROC J NP/A	131 513	69	5.2+1 1.2+2	BOWMANN+ CURV. ACTIVATION	
	4 EXFORB0009.005	76	5.2+1 1.2+2	. 81 ENTRIES.	
	$^{51}\text{V}(\alpha, 3np)^{51}\text{Cr}$ $\sigma(E)$				
772 ROC J NP/A	131 513	69	2.9+1 1.2+2	BOWMANN+ CURV. ACTIVATION	
	4 EXFORB0009.004	76	2.9+1 1.2+2	. 79 ENTRIES.	
	$^{51}\text{V}(\alpha, 3n)^{52}\text{Mn}$ $\sigma(E)$				
773 ROC J NP/A	131 513	69	2.3+1 1.2+2	BOWMANN+ CURV. ACTIVATION	(H)

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
⁵¹V(α,3n)⁵²Mn σ(E)					
775 ROC 4	EXFORB0009.003	76	2.3+1 1.2+2	. 92 ENTRIES.	(M)
⁵¹V(α,n)⁵⁴Mn σ(E)					
774 ROC J NP/A 131	513	69	6.6+0 8.5+1	BOWMANN+ CURV. ACTIVATION	
4 EXFORB0009.002		76	6.6+0 8.5+1	. 45 ENTRIES.	
⁵⁵Mn(α,n)⁵⁸Co σ(E)					
775 OSU A BAP	21	587	76	5.0+0 1.1+1	MORGAN+ NDG. MEASURED RESIDUAL ACTIVITY
⁵⁶Fe(α,t)⁵⁷Co σ(E)					
776 KAZ J	IZV 40	181	76	5.1+1	BURTEBAEV+ E(T)=0-12MEV. ARB. UN.=1. IND REL
J BAS	40	152	76	5.1+1	. TRANSLATION OF IZV 40,181(76). IND REL
⁵⁶Fe(α,d)⁵⁸Co σ(E)					
777 KAZ J	IZV 40	181	76	5.1+1	BURTEBAEV+ E(D)=0-16MEV. ARB. UN.=1. IND REL
J BAS	40	152	76	5.1+1	. TRANSLATION OF IZV 40,181(76). IND REL
⁵⁶Fe(α,p)⁵⁹Co σ(E)					
778 KAZ J	IZV 40	181	76	5.1+1	BURTEBAEV+ E(P)=10-27MEV. ARB. UN.=1. IND
J BAS	40	152	76	5.1+1	. TRANSLATION OF IZV 40,181(76). IND REL
⁵⁸Ni(α,2p)⁶⁰Ni σ(E)					
779 SAC P CEA-N-1791	32	974	2.8+1 5.8+1	BALLINI+ CURV	REL
⁶⁰Ni(α,t)⁶¹Cu σ(E)					
780 KAZ J	IZV 40	181	76	5.1+1	BURTEBAEV+ E(T)=0-12MEV. ARB. UN.=1.2 IND REL
J BAS	40	152	76	5.1+1	. TRANSLATION OF IZV 40,181(76). IND REL
⁶⁰Ni(α,np)⁶²Cu σ(E)					
781 BRK J PR	80	939	50	2.3+1 3.9+1	GHOSAL. CURV.
4 EXFORB0017.004		76	2.3+1 3.9+1	. 7 ENTRIES.	
782 KAZ J	IZV 40	181	76	5.1+1	BURTEBAEV+ E(D)=0-16MEV. ARB. UN.=1.4 IND REL
J BAS	40	152	76	5.1+1	. TRANSLATION OF IZV 40,181(76). IND REL
⁶⁰Ni(α,p)⁶³Cu σ(E)					
783 KAZ J	IZV 40	181	76	5.1+1	BURTEBAEV+ E(P)=10-27MEV. ARB. UN.=1.5 IND REL
J BAS	40	152	76	5.1+1	. TRANSLATION OF IZV 40,181(76). IND REL
⁶⁰Ni(α,2n)⁶²Zn σ(E)					
784 BRK J PR	80	939	50	2.0+1 3.9+1	GHOSAL. CURV.
4 EXFORB0017.003		76	2.0+1 3.9+1	. 8 ENTRIES.	
⁶⁰Ni(α,n)⁶³Zn σ(E)					
785 BRK J PR	80	939	50	1.3+1 3.9+1	GHOSAL. CURV.
4 EXFORB0017.002		76	1.3+1 3.9+1	. 15 ENTRIES.	
⁶⁴Zn(α,xp) σ(E)					
786 PUR A DA/B	37	1252	976	1.3+1	LUX. NDG. EMM
⁶⁴Zn(α,xα) σ(E)					
787 PUR A DA/B	37	1252	976	1.8+1	LUX. NDG. PRO
⁶⁶Zn(α,xp) σ(E)					
788 PUR A DA/B	37	1252	976	1.3+1	LUX. NDG. EMM
⁶⁶Zn(α,xα) σ(E)					
789 PUR A DA/B	37	1252	976	1.8+1	LUX. NDG. PRO
⁶⁸Zn(α,xp) σ(E)					
790 PUR A DA/B	37	1252	976	1.3+1	LUX. NDG. EMM
⁶⁸Zn(α,xα) σ(E)					
791 PUR A DA/B	37	1252	976	1.8+1	LUX. NDG. PRO
⁷⁰Zn(α,xp) σ(E)					
792 PUR A DA/B	37	1252	976	1.3+1	LUX. NDG. EMM
⁷⁰Zn(α,xα) σ(E)					
793 PUR A DA/B	37	1252	976	1.8+1	LUX. NDG. PRO

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	⁷¹ Ge(α,2n) ⁷³ As σ(E)				
794	FEI J AE 41	48	776 4.4+1	DMITRIEV+ (13.+~1.7)MICROC/MICROAMP-H	
	⁷¹ Ge(α,n) ⁷⁴ As σ(E)				
795	FEI J AE 41	48	776 4.4+1	DMITRIEV+ (12.5+~1.6)MICROC/MICROAMP-H	
	Ge(α,x) ⁷³ As σ(E)				
796	FEI J AE 41	48	776 4.4+1	DMITRIEV+ (9.0+~1.2)MICROC/MICROAMP-H	
	Ge(α,xn) ⁷⁴ As σ(E)				
797	FEI J AE 41	48	776 4.4+1	DMITRIEV+ (17+~2.2)MICROC/MICROAMP-H	
	⁷⁰ Ge(α,3n) ⁷¹ Se σ(E)				
798	YAL J JIN 38	2139	76 +1 1.2+2	LA-BREQUE+ NDG. PEAK AT 55MEV.	REL
	⁷² Ge(α,x) ⁷⁴ As σ(E)				
799	CNE J PR/C 14	1776	76 3.0+1 5.5+1	BERMUDEZ+ CURV. REL. 835KEV G FROM INL.	ENH G
	⁷² Ge(α,3np) ⁷² Br σ(E)				
800	CNE J NP/A 261	317	76 3.0+1 5.5+1	BEHAR+ CURV MEASURED INTENSE GAMMAS	REL
	⁷² Ge(α,2np) ⁷³ Br σ(E)				
801	CNE J NP/A 261	317	76 3.0+1 5.5+1	BEHAR+ CURV MEASURED INTENSE GAMMAS	REL
	⁷² Ge(α,np) ⁷⁴ Br σ(E)				
802	CNE J NP/A 261	317	76 3.0+1 5.5+1	BEHAR+ CURV MEASURED INTENSE GAMMAS	REL
	⁷² Ge(α,4n) ⁷² Kr σ(E)				
803	CNE J NP/A 261	317	76 3.0+1 5.5+1	BEHAR+ CURV MEASURED INTENSE GAMMAS	REL
	⁷² Ge(α,3n) ⁷³ Kr σ(E)				
804	CNE J NP/A 261	317	76 3.0+1 5.5+1	BEHAR+ CURV MEASURED INTENSE GAMMAS	REL
	⁷² Ge(α,2n) ⁷⁴ Kr σ(E)				
805	CNE J NP/A 261	317	76 3.0+1 5.5+1	BEHAR+ CURV MEASURED INTENSE GAMMAS	REL
	⁷³ As(α,na) ⁷⁴ As σ(E)				
806	FEI J AE 41	48	776 4.3+1	DMITRIEV+ (20.+~2.6)MICROC/MICROAMP-H	
	Br(α,x) ⁷⁵ As thick target yield				
807	KFK R KFK-2298	37	476 1.0+2	HELUS+ ACTIVATION. 2.32CI/AH. 17.7D	CUM
	Br(α,x) ⁷⁵ As thick target yield				
808	KFK R KFK-2298	37	476 1.0+2	HELUS+ ACTIVATION. 3.74CI/AH. 120.0D	CUM
809	KFK R KFK-2298	49	476 TR 2.4+1	MICHEL+ CURV. ELECTRODEPOSITION.	CUM
	Br(α,x) ⁷⁵ Br thick target yield				
810	KFK R KFK-2298	37	476 1.0+2	HELUS+ ACTIVATION. 748.56CI/AH	CUM
	Br(α,x) ⁷⁶ Br thick target yield				
811	KFK R KFK-2298	37	476 1.0+2	HELUS+ ACTIVATION. 380.40CI/AH	CUM
	Br(α,x) ⁷⁷ Br thick target yield				
812	KFK R KFK-2298	37	476 6.0+1 1.0+2	HELUS+ ACTIVATION. TBL.	CUM/IND
	Br(α,x) ⁷⁷ Kr thick target yield				
813	KFK R KFK-2298	37	476 1.0+2	HELUS+ ACTIVATION. 1784.50CI/AH	CUM
	Br(α,x) ⁷⁸ Kr thick target yield				
814	KFK R KFK-2298	37	476 1.0+2	HELUS+ ACTIVATION. 265.13CI/AH	CUM
	Br(α,x) ⁸¹ Rb thick target yield				
815	KFK R KFK-2298	37	476 1.0+2	HELUS+ ACTIVATION. 1631.06CI/AH	CUM
	Br(α,x) ⁸² Rb thick target yield				
816	KFK R KFK-2298	37	476 1.0+2	HELUS+ ACTIVATION. 236.77CI/AH. 6.4H	CUM
	Br(α,x) ⁸³ Rb thick target yield				
817	KFK R KFK-2298	37	476 1.0+2	HELUS+ ACTIVATION. 2.66CI/AH	CUM

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	⁹³ Nb(α,2n) ⁹¹ Tc			thick target yield	
818 CCP J AE	40	66	76 9.0+0 4.3+1	DMITRIEV+ CURV. (2.95+-0.35)CI/A-H MAX.	
J SJA	40	75	76 9.0+0 4.3+1	TRANSLATION OF AE 40(1), 66(76).	
	⁹³ Nb(α,n) ⁹⁶ Tc			σ(E)	
819 PAD J NC	35	69	976 1.1+1 1.4+1	BINI+ CURV. FOR 10 INTENSE GAMMAS.	PAR G
	⁹³ Nb(α,n) ⁹⁶ Tc			thick target yield	
820 CCP J AE	40	66	76 7.0+0 4.3+1	DMITRIEV+ CURV. (97+-12)CI/A-H MAX.	
J SJA	40	75	76 7.0+0 4.3+1	TRANSLATION OF AE 40(1), 66(76).	
	Mo(α,pn) ⁹³ Tc			thick target yield	
821 CCP J AE	40	66	76 7.5+0 4.2+1	DMITRIEV+ CURV. (0.53+-0.06)CI/A-H MAX.	
J SJA	40	75	76 7.5+0 4.2+1	TRANSLATION OF AE 40(1), 66(76).	
	Mo(α,pn) ⁹⁶ Tc			thick target yield	
822 CCP J AE	40	66	76 1.6+1 4.2+1	DMITRIEV+ CURV. (170+-20)CI/A-H MAX.	
J SJA	40	75	76 1.6+1 4.2+1	TRANSLATION OF AE 40(1), 66(76).	
	¹⁰³ Rh(α,t) ¹⁰⁶ Pd			σ(E)	
823 KAZ J IZV	40	181	76 5.1+1	BURTEBAEV+ E(T)=0-12MEV. ARB. UN.=1.6	IND REL
J BAS	40	152	76 5.1+1	TRANSLATION OF IZV 40,181(76).	IND REL
	¹⁰³ Rh(α,d) ¹⁰³ Pd			σ(E)	
824 KAZ J IZV	40	181	76 5.1+1	BURTEBAEV+ E(D)=0-16MEV. ARB. UN.=0.9	IND REL
J BAS	40	152	76 5.1+1	TRANSLATION OF IZV 40,181(76).	IND REL
	¹⁰³ Rh(α,p) ¹⁰⁶ Pd			σ(E)	
825 KAZ J IZV	40	181	76 5.1+1	BURTEBAEV+ E(P)=10-27MEV. ARB. UN.=1.1	IND REL
J BAS	40	152	76 5.1+1	TRANSLATION OF IZV 40,181(76).	IND REL
	¹²⁷ I(α,x) ¹²¹ Te			thick target yield	
826 KFK R KFK-2298		37	476 1.0+2	HELUS+ ACTIVATION. 5.6 CI/AH	CUM
	¹²⁷ I(α,x) ¹²¹ I			thick target yield	
827 KFK R KFK-2298		37	476 1.0+2	HELUS+ ACTIVATION. 1359.4 CI/AH	CUM
	¹²⁷ I(α,x) ¹²³ I			thick target yield	
828 KFK R KFK-2298		37	476 6.0+1 1.0+2	HELUS+ ACTIVATION. TBL.	CUM/IND
	¹²⁷ I(α,x) ¹²⁴ I			thick target yield	
829 KFK R KFK-2298		37	476 1.0+2	HELUS+ ACTIVATION. 34.2 CI/AH	CUM
	¹²⁷ I(α,x) ¹²⁵ I			thick target yield	
830 KFK R KFK-2298		37	476 1.0+2	HELUS+ ACTIVATION. 12.1 CI/AH	CUM
	¹²⁷ I(α,x) ¹²⁶ I			thick target yield	
831 KFK R KFK-2298		37	476 1.0+2	HELUS+ ACTIVATION. 24.9 CI/AH	CUM
	¹²⁷ I(α,x) ¹²³ Xe			thick target yield	
832 KFK R KFK-2298		37	476 1.0+2	HELUS+ ACTIVATION. 541.6 CI/AH	CUM
	¹²⁷ I(α,x) ¹²³ Xe			thick target yield	
833 KFK R KFK-2298		37	476 1.0+2	HELUS+ ACTIVATION. 1022.9 CI/AH	CUM
	¹²⁷ I(α,x) ¹²⁷ Xe			thick target yield	
834 KFK R KFK-2298		37	476 1.0+2	HELUS+ ACTIVATION. 22.0 CI/AH	CUM
	¹²⁷ I(α,4n) ¹²⁷ Cs			thick target yield	
835 KFK R KFK-2298		37	476 1.0+2	HELUS+ ACTIVATION. 1812.9 CI/AH	CUM
	¹²⁷ I(α,2n) ¹²⁹ Cs			thick target yield	
836 GRN J ARI	27	15	76 4.5+1	BUKSHPAN+ NDG.	
	¹⁴² Ce(α,2n) ¹⁴⁴ Nd			σ(E)	
837 IFL J IZV	40	1193	76 2.2+1	BERZIN+ CURV. REL. TO 696-KEV G.	REL
J IZV	40	1193	76 2.7+1	BERZIN+ CURV. REL. TO 696-KEV G.	REL
	¹⁴⁴ Sm(α,6n) ¹⁴² Gd			σ(E)	
838 JUL J ZP	279	169	76 9.2+1 1.3+2	MARISCOTTI+ CURV. THREE INTENSE G'S. PAR G REL	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	¹⁶³ Ho(α,2n) ¹⁶² Tm	product yield			
839	FRS A HPA 49	191	76 2.5+1	IONESCU+ NDG.	G
	¹⁸¹ Ta(α,fission)	σ(E)			
840	LVN P INDC(SEC)-5170 D75	2.9+1	1.1+2	DEL-MARMOL+ NDG. ALSO DEDUCED GAMF/GAMN	
	¹⁸⁰ H(α,fission)	σ(E)			
841	KAZ J YF 21	1185	675 3.8+1 4.8+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 3.8+1 4.8+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
	¹⁸¹ H(α,fission)	σ(E)			
842	KAZ J YF 21	1185	675 3.8+1 4.8+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 3.8+1 4.8+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
	¹⁸² H(α,fission)	σ(E)			
843	KAZ J YF 21	1185	675 3.8+1 4.8+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 3.8+1 4.8+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
844	WHS J JIN 38	2153	76 4.1+1	NEUZIL+ CURV. DEDUCED FROM FRAGMENT YLD	
	¹⁸³ H(α,fission)	σ(E)			
845	WHS J JIN 38	2153	76 4.1+1	NEUZIL+ CURV. DEDUCED FROM FRAGMENT YLD	
	¹⁸⁴ H(α,fission)	σ(E)			
846	KAZ J YF 21	1185	675 3.8+1 4.8+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 3.8+1 4.8+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
847	WHS J JIN 38	2153	76 4.1+1	NEUZIL+ CURV. DEDUCED FROM FRAGMENT YLD	
	¹⁸⁶ H(α,fission)	σ(E)			
848	WHS J JIN 38	2153	76 4.1+1	NEUZIL+ CURV. DEDUCED FROM FRAGMENT YLD	
	¹⁸⁵ Re(α,fission)	σ(E)			
849	KAZ J YF 21	1185	675 3.8+1 4.8+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 3.8+1 4.8+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
	¹⁸⁶ Os(α,fission)	σ(E)			
850	KAZ J YF 21	1185	675 3.0+1 4.9+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 3.0+1 4.9+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
	¹⁸⁷ Os(α,fission)	σ(E)			
851	KAZ J YF 21	1185	675 3.0+1 4.9+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 3.0+1 4.9+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
	¹⁸⁸ Os(α,fission)	σ(E)			
852	KAZ J YF 21	1185	675 3.0+1 4.9+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 3.0+1 4.9+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
	¹⁹⁰ Os(α,fission)	σ(E)			
853	KAZ J YF 21	1185	675 3.4+1 4.8+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 3.4+1 4.8+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
	¹⁹⁰ Os(α,3n) ¹⁹¹ Pt	σ(E)			
854	PUR J PR/C 15	94	176 3.5+1	SAHA+ TBL. EG=.0482 TO 838.6	PAR G REL
	¹⁹² Os(α,3n) ¹⁹³ Pt	σ(E)			
855	PUR J PR/C 15	94	176 3.5+1	SAHA+ TBL. EG=.0492 TO 703.4	PAR G REL
	¹⁸⁹ Ir(α,fission)	σ(E)			
856	KAZ J YF 21	1185	675 3.0+1 4.9+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 3.0+1 4.9+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
	¹⁹¹ Ir(α,fission)	σ(E)			
857	KAZ J YF 21	1185	675 3.0+1 4.9+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 3.0+1 4.9+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
	¹⁹² Pt(α,fission)	σ(E)			
858	KAZ J YF 21	1185	675 3.0+1 5.0+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 3.0+1 5.0+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
	¹⁹³ Pt(α,fission)	σ(E)			
859	KAZ J YF 21	1185	675 3.0+1 5.0+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 3.0+1 5.0+1	. TRANSLATION OF YF 21(6),1185(76).	FCT

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
¹⁹⁴Pt(α,fission) α(E)					
860 KAZ	J YF 21	1185	675 3.0+1 5.3+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 3.0+1 5.0+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
¹⁹³Pt(α,fission) α(E)					
861 KAZ	J YF 21	1185	675 2.5+1 4.9+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 2.5+1 4.9+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
¹⁹³Au(α,fission) α(E)					
862 KAZ	J YF 21	1185	675 3.9+1 4.9+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 3.9+1 4.9+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
¹⁹⁷Au(α,n) α(E)					
863 BON	J NP/A 168	129	71 1.9+1 1.0+2	KURZ+ CURV. SUM OF SIGMA FOR X=1-8	EMH
¹⁹⁷Au(α,fission) α(E)					
864 KAZ	J YF 21	1185	675 3.9+1 4.9+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 3.9+1 4.9+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
¹⁹⁷Au(α,3np)¹⁹⁷Hg α(E)					
865 BON	J NP/A 168	129	71 3.9+1 8.6+1	KURZ+TBL.CURV.STCK FOIL/ACT. T1/2=23.8H	
	T JASPER		69 3.9+1 8.6+1	. PARTIALLY SUPERSEDED.	
	4 EXFORB0002.005		76 3.9+1 8.6+1	. 8 ENTRIES.	
¹⁹⁷Au(α,t)¹⁹⁸Hg α(E)					
866 KAZ	J IZV 40	181	76 5.1+1	BURTEBAEV+ E(T)=0-12MEV. ARB. UN.=4.4	IND REL
	J BAS 40	152	76 5.1+1	. TRANSLATION OF IZV 40,181(76).	IND REL
¹⁹⁷Au(α,d)¹⁹⁹Hg α(E)					
867 KAZ	J IZV 40	181	76 5.1+1	BURTEBAEV+ E(D)=0-16MEV. ARB. UN.=1.6	IND REL
	J BAS 40	152	76 5.1+1	. TRANSLATION OF IZV 40,181(76).	IND REL
¹⁹⁷Au(α,p)²⁰⁰Hg α(E)					
868 KAZ	J IZV 40	181	76 5.1+1	BURTEBAEV+ E(P)=10-27MEV. ARB. UN.=1.0	IND REL
	J BAS 40	152	76 5.1+1	. TRANSLATION OF IZV 40,181(76).	IND REL
¹⁹⁷Au(α,8n)¹⁹³Tl α(E)					
869 BON	J NP/A 168	129	71 8.8+1 1.0+2	KURZ+ TBL. CURV. STACKED FOIL/ACTIV.	(M)
	T JASPER		69 8.8+1 1.0+2	. PARTIALLY SUPERSEDED.	(M)
	4 EXFORB0002.010		76 8.8+1 1.0+2	. 6 ENTRIES	(M)
¹⁹⁷Au(α,7n)¹⁹⁴Tl α(E)					
870 BON	J NP/A 168	129	71 7.4+1 1.0+2	KURZ+ TBL. CURV. STACKED FOIL/ACTIV.	(M)
	T JASPER		69 7.4+1 1.0+2	. PARTIALLY SUPERSEDED.	(M)
	4 EXFORB0002.009		76 7.4+1 1.0+2	. 10 ENTRIES.	(M)
¹⁹⁷Au(α,6n)¹⁹³Tl α(E)					
871 BON	J NP/A 168	129	71 5.0+1 8.6+1	KURZ+ TBL. CURV. STACKED FOIL/ACTIV.	(M)
	T JASPER		69 6.0+1 8.6+1	. PARTIALLY SUPERSEDED.	(M)
	4 EXFORB0002.008		76 6.0+1 8.6+1	. 10 ENTRIES.	(M)
¹⁹⁷Au(α,5n)¹⁹⁶Tl α(E)					
872 BON	J NP/A 168	129	71 4.6+1 8.6+1	KURZ+ TBL. CURV. DEDUCED.	M+
	T JASPER		69 4.6+1 8.6+1	. PARTIALLY SUPERSEDED.	M+
	4 EXFORB0002.007		76 4.6+1 8.6+1	. 13 ENTRIES.	M+
¹⁹⁷Au(α,5n)¹⁹⁶Tl α(E)					
873 BON	J NP/A 168	129	71 4.6+1 8.6+1	KURZ+TBL.CURV. STCK FOIL/ACT. T1/2=1.84	
	T JASPER		69 4.6+1 8.6+1	. PARTIALLY SUPERSEDED.	
	4 EXFORB0002.007		76 4.6+1 8.6+1	. 13 ENTRIES.	
¹⁹⁷Au(α,5n)¹⁹⁶Tl α(E)					
874 BON	J NP/A 168	129	71 4.6+1 8.6+1	KURZ+TBL.CURV. STCK FOIL/ACT. T1/2=1.4H	
	T JASPER		69 4.6+1 8.6+1	. PARTIALLY SUPERSEDED.	
	4 EXFORB0002.007		76 4.6+1 8.6+1	. 13 ENTRIES.	
¹⁹⁷Au(α,4n)¹⁹⁷Tl α(E)					
875 BON	J NP/A 168	129	71 4.0+1 7.0+1	KURZ+ TBL. CURV. STACKED FOIL/ACTIV.	
	T JASPER		69 4.0+1 7.0+1	. PARTIALLY SUPERSEDED.	
	4 EXFORB0002.006		76 4.0+1 7.0+1	. 13 ENTRIES.	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
¹⁹⁷Au(α,3n)¹⁹⁴Tl σ(E)					
876 BON	J NP/A 168	129	71 3.0+1 6.2+1	KURZ+TBL. CURV. STCK FOIL/ACT. T1/2=5.3H	M+
	J NP/A 168	129	71 3.0+1 6.2+1	KURZ+ TBL. CURV. DEDUCED.	M+
	T JASPER	69	3.0+1 6.2+1	PARTIALLY SUPERSEDED.	M+
	T JASPER	69	3.0+1 6.2+1	PARTIALLY SUPERSEDED.	M+
	4 EXFORB0002.004	76	3.0+1 6.2+1	8 ENTRIES.	M+
	4 EXFORB0002.004	76	3.0+1 6.2+1	8 ENTRIES.	M+
¹⁹⁷Au(α,3n)¹⁹⁴Tl σ(E)					
877 BON	J NP/A 168	129	71 3.0+1 6.2+1	KURZ+TBL. CURV. STCK FOIL/ACT. T1/2=1.9H	
	T JASPER	69	3.0+1 6.2+1	PARTIALLY SUPERSEDED.	
	4 EXFORB0002.004	76	3.0+1 6.2+1	8 ENTRIES.	
¹⁹⁷Au(α,2n)¹⁹⁹Tl σ(E)					
878 BON	J NP/A 168	129	71 1.9+1 5.2+1	KURZ+ TBL. CURV. STACKED FOIL/ACTIV.	
	T JASPER	69	1.9+1 5.2+1	PARTIALLY SUPERSEDED.	
	4 EXFORB0002.003	76	1.9+1 5.2+1	15 ENTRIES.	
¹⁹⁷Au(α,n)²⁰⁰Tl σ(E)					
879 BON	J NP/A 168	129	71 1.6+1 4.3+1	KURZ+ TBL. CURV. STACKED FOIL/ACTIV.	
	T JASPER	69	1.6+1 4.3+1	PARTIALLY SUPERSEDED.	
	4 EXFORB0002.002	76	1.6+1 4.3+1	10 ENTRIES.	
¹⁹⁸Hg(α,fission) σ(E)					
880 KAZ	J YF	21	1185 675 2.6+1 4.9+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP	21	612 76 2.6+1 4.9+1	TRANSLATION OF YF 21(6), 1185(76).	FCT
¹⁹⁸Hg(α,fission) $\bar{\nu}$					
881 WWS	J JIN	38	2153 76 4.1+1	NEUZIL+ APP. 1 NEUTRON PER FISSION.	PR
	J JIN	38	2153 76 6.5+1	NEUZIL+ APP. 1 NEUTRON PER FISSION.	PR
¹⁹⁸Hg(α,fission) σ(E)					
882 KAZ	J YF	21	1185 675 2.6+1 4.9+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP	21	612 76 2.6+1 4.9+1	TRANSLATION OF YF 21(6), 1185(76).	FCT
883 WWS	J JIN	38	2153 76 4.1+1	NEUZIL+ CURV. DEDUCED FROM FRAGMENT YLD	
	J JIN	38	2153 76 6.5+1	NEUZIL+ CURV. DEDUCED FROM FRAGMENT YLD	
¹⁹⁸Hg(α,fission)Fission fragments fission yield					
884 WWS	J JIN	38	2153 76 4.1+1	NEUZIL+ CURV. TBL. A=91-113. Z=38-47.	PRD
	J JIN	38	2153 76 6.5+1	NEUZIL+ CURV. TBL. A=91-113. Z=38-47.	PRD
¹⁹⁹Hg(α,fission) $\bar{\nu}$					
885 WWS	J JIN	38	2153 76 4.1+1	NEUZIL+ APP. 1 NEUTRON PER FISSION.	PR
	J JIN	38	2153 76 6.5+1	NEUZIL+ APP. 1 NEUTRON PER FISSION.	PR
¹⁹⁹Hg(α,fission) σ(E)					
886 KAZ	J YF	21	1185 675 2.6+1 4.9+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP	21	612 76 2.6+1 4.9+1	TRANSLATION OF YF 21(6), 1185(76).	FCT
887 WWS	J JIN	38	2153 76 4.1+1	NEUZIL+ CURV. DEDUCED FROM FRAGMENT YLD	
	J JIN	38	2153 76 6.5+1	NEUZIL+ CURV. DEDUCED FROM FRAGMENT YLD	
¹⁹⁹Hg(α,fission)Fission fragments fission yield					
888 WWS	J JIN	38	2153 76 4.1+1	NEUZIL+ CURV. TBL. A=91-113. Z=38-47.	PRD
	J JIN	38	2153 76 6.5+1	NEUZIL+ CURV. TBL. A=91-113. Z=38-47.	PRD
²⁰⁰Hg(α,fission) $\bar{\nu}$					
889 WWS	J JIN	38	2153 76 4.1+1	NEUZIL+ APP. 1 NEUTRON PER FISSION.	PR
²⁰⁰Hg(α,fission) σ(E)					
890 KAZ	J YF	21	1185 675 2.6+1 4.9+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP	21	612 76 2.6+1 4.9+1	TRANSLATION OF YF 21(6), 1185(76).	FCT
891 WWS	J JIN	38	2153 76 4.1+1	NEUZIL+ CURV. DEDUCED FROM FRAGMENT YLD	
²⁰⁰Hg(α,fission)Fission fragments fission yield					
892 WWS	J JIN	38	2153 76 4.1+1	NEUZIL+ CURV. TBL. A=91-113. Z=38-47.	PRD
²⁰¹Hg(α,fission) $\bar{\nu}$					
893 WWS	J JIN	38	2153 76 4.1+1	NEUZIL+ APP. 1 NEUTRON PER FISSION.	PR
²⁰¹Hg(α,fission) σ(E)					
894 WWS	J JIN	38	2153 76 4.1+1	NEUZIL+ CURV. DEDUCED FROM FRAGMENT YLD	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	²⁰¹ Hg(α,fission)Fission fragments			fission yield	
895	WHS J JIN 38	2153	76 4.1+1	NEUZIL+ CURV. TBL. A=91-113. Z=38-47.	PRD
	²⁰² Hg(α,fission) $\bar{\nu}$				
896	WHS J JIN 38	2153	76 4.1+1	NEUZIL+ APP. 1 NEUTRON PER FISSION.	PR
	²⁰² Hg(α,fission) σ(E)				
897	WHS J JIN 38	2153	76 4.1+1	NEUZIL+ CURV. DEDUCED FROM FRAGMENT YLD	
	²⁰² Hg(α,fission)Fission fragments			fission yield	
898	WHS J JIN 38	2153	76 4.1+1	NEUZIL+ CURV. TBL. A=91-113. Z=38-47.	PRD
	²⁰⁴ Hg(α,fission) $\bar{\nu}$				
899	WHS J JIN 38	2153	76 4.1+1	NEUZIL+ APP. 1 NEUTRON PER FISSION.	PR
	²⁰⁴ Hg(α,fission) σ(E)				
900	WHS J JIN 38	2153	76 4.1+1	NEUZIL+ CURV. DEDUCED FROM FRAGMENT YLD	
	²⁰⁴ Hg(α,fission)Fission fragments			fission yield	
901	WHS J JIN 38	2153	76 4.1+1	NEUZIL+ CURV. TBL. A=91-113. Z=38-47.	PRD
	²⁰¹ Ti(α,fission) σ(E)				
902	KAZ J YF 21	1185	675 2.9+1 4.9+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 2.9+1 4.9+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
	²⁰⁸ Pb(α,total) σ(E)				
903	FSU A BAP 21	663	76 NDG	WOJCIECHOWSKI+ NDG NEAR COULOMB BARRIER	
	²⁰⁷ Bi(α,fission) σ(E)				
904	KAZ J YF 21	1185	675 2.9+1 4.9+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 2.9+1 4.9+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
	²⁰⁹ Bi(α,fission) σ(E)				
905	KAZ J YF 21	1185	675 2.9+1 4.9+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 2.9+1 4.9+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
906	MRY A DA/B 36	3951	276 6.9+1	MEYER. NDG.	
	²⁰⁹ Bi(α,fusion) σ(E)				
907	MRY A DA/B 36	3951	276 6.9+1	MEYER. NDG.	
	²⁰⁹ Bi(α,total) σ(E)				
908	FSU A BAP 21	663	76 NDG	WOJCIECHOWSKI+ NDG NEAR COULOMB BARRIER	
	²⁰⁸ Po(α,fission) σ(E)				
909	KAZ J YF 21	1185	675 2.0+1 4.2+1	IGNATYUK+ CURV. REL. TO COMP. NUC.	FCT
	J SNP 21	612	76 2.0+1 4.2+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
	²¹⁰ Po(α,fission) σ(E)				
910	KAZ J YF 21	1185	675 2.0+1 4.2+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 2.0+1 4.2+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
	²¹¹ Po(α,fission) σ(E)				
911	KAZ J YF 21	1185	675 2.0+1 4.2+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 2.0+1 4.2+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
	²¹² Po(α,fission) σ(E)				
912	KAZ J YF 21	1185	675 2.0+1 4.2+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 2.0+1 4.2+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
	²¹³ At(α,fission) σ(E)				
913	KAZ J YF 21	1185	675 1.9+1 4.0+1	IGNATYUK+ CURV. REL. TO COMP. NUCL.	FCT
	J SNP 21	612	76 1.9+1 4.0+1	. TRANSLATION OF YF 21(6),1185(76).	FCT
	²³² Th(α,fission) ¹⁴⁰ Pm ratio metastable/ground state				
914	MUN R KFK-2298	61	476 2.7+1 4.5+1	AUMANN+ CURV. RADIOCHEM.	
	²³² Th(α,fission) ^{140m} Pm fission yield				
915	MUN R KFK-2298	61	476 2.7+1 4.5+1	AUMANN+ CURV. RADIOCHEM.	IND
	²³² Th(α,fission) ^{140m} Pm fission yield				
916	MUN R KFK-2298	61	476 2.7+1 4.5+1	AUMANN+ CURV. RADIOCHEM. T1/2=41.3D	IND

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
²³³U(α,absorption) σ(E)					
917	MRY A DA/B 36	3951	276	2.8+1 1.4+2 MEYER. NDG. FROM ELASTIC SCATTERING.	
²³³U(α,fission) σ(E)					
918	MRY A DA/B 36	3951	276	2.8+1 1.4+2 MEYER. NDG.	
²³³U(α,fusion) σ(E)					
919	MRY A DA/B 36	3951	276	2.8+1 1.4+2 MEYER. NDG. FROM FF ANG. CORR.	
²³³U(α,2n)²³⁷Pu thick target yield					
920	ORL P ORNL-5025	230	575	3.0+1 GROSS- 10MEV THICK. 4E-9G/2E-5A-40HR.	
²³³U(α,2n)²³⁷Pu σ(E)					
921	HAU J PR/C 8 1080	73	2.2+1	2.6+1 VANDENBOSCH+ TBL. CURV. REL. TO (A,F)	PAR REL
	4 EXFORB0011.002	76	2.2+1	2.6+1 . 11 ENTRIES. T1/2=82NS	PAR REL
²³³U(α,2n)²³⁷Pu σ(E)					
922	HAU J PR/C 8 1080	73	2.2+1	2.6+1 VANDENBOSCH+ TBL. CURV. REL. TO (A,F)	PAR REL
	4 EXFORB0011.002	76	2.2+1	2.6+1 . 11 ENTRIES. T1/2=1120NS	PAR REL
²³⁸U(α,fission)Fission fragments fission yield					
923	SAC P CEA-N-1861	87	975	2.0+1 LIBOUREL+ CURV. YIELD IN PRC VS. A	REL
²³⁸U(α,inelastic+fission)Fission fragments fission yield					
924	BDN J PL/B 61	158	76	5.0+1 DAVID+ CURV. MASS YLO IN %. EX=6.5-9.5 PRD FCT	
²³⁸Pu(α,2n)²⁴⁰Cm σ(E)					
925	NBI J NP/A 213	397	73	2.0+1 2.9+1 METAG+ TBL. CURV. REL. TO (A,F)	FCT
	4 EXFORB0007.003	76	2.0+1	2.9+1 .DED. BY COMPILER FRM NP/A 213,397(75)	FCT
	4 EXFORB0007.003	76	2.0+1	2.9+1 . 23 ENTRIES.	FCT
²³⁸Pu(α,n)²⁴¹Cm σ(E)					
926	NBI J NP/A 213	397	73	2.0+1 2.4+1 METAG+ TBL. CURV. REL. TO (A,F)	FCT
	4 EXFORB0007.004	76	2.0+1	2.4+1 .DED. BY COMPILER FRM NP/A 213,397(75)	FCT
	4 EXFORB0007.004	76	2.0+1	2.4+1 . 12 ENTRIES.	FCT
²³⁸Pu(α,fission)Fission fragments σ(E)					
927	NBI J NP/A 213	397	73	2.0+1 2.9+1 METAG+ TBL. CURV. ASSUMED ISOTR. DIST.	PR
	4 EXFORB0007.005	76	2.0+1	2.9+1 . 23 ENTRIES.	PR
²⁴⁸Cm(α,fission)Fission fragments fission yield					
928	KUR J YF 21	1178	675	2.4+1 3.4+1 LISIN+ TBL. CURV.	PRD REL
	J SNP 21	608	76	2.4+1 3.4+1 . TRANSLATION OF YF 21(6),1178(75).	PRD REL
Systematics(α,fission) σ(E)					
929	KAZ J YF 21	1185	675	2.5+1 5.0+1 IGNATYUK+CURV.PRE-ACT. FISS. REL. TO CN	FCT
	J SNP 21	612	76	2.5+1 5.0+1 . TRANSLATION OF YF 21(6),1185(76).	FCT
⁵⁶Fe(⁶Li,absorption) σ(E)					
930	INU A BAP 21	1005	76	6.6+1 9.1+1 KARWOWSKI+ TBL. SUMMED RESIDUAL SIGMAS	
⁵⁶Fe(⁶Li,x) σ(E)					
931	INU A BAP 21	1005	76	6.6+1 9.1+1 KARWOWSKI+ NDG. MEASURED GAMMAS	PRD
⁵⁸Ni(⁶Li,absorption) σ(E)					
932	INU A BAP 21	1005	76	6.6+1 9.1+1 KARWOWSKI+ TBL. SUMMED RESIDUAL SIGMAS	
⁵⁸Ni(⁶Li,γx) σ(E)					
933	INU A BAP 21	1005	76	6.6+1 9.1+1 KARWOWSKI+ NDG. MEASURED GAMMAS	
¹⁰⁴Pd(⁶Li,x) σ(E)					
934	INU A BAP 21	1005	76	6.6+1 9.1+1 CASTANEDA+ NDG. CD AND AG DOMINANT	PRD
¹⁰⁵Pd(⁶Li,x) σ(E)					
935	INU A BAP 21	1005	76	6.6+1 9.1+1 CASTANEDA+ NDG. CD AND AG DOMINANT	PRD
¹⁰⁶Pd(⁶Li,x) σ(E)					
936	INU A BAP 21	1005	76	6.6+1 9.1+1 CASTANEDA+ NDG. CD AND AG DOMINANT	PRD
¹⁴⁶Nd(⁶Li,xnp) σ(E)					
937	NOT A BAP 21	1006	76	5.0+1 1.0+2 FLEISSNER+ NDG. MAX YLD AT 77MEV.	PRD

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	¹⁴⁰ Nd(⁶ Li,αxn) σ(E)				
938	NOT A BAP 21	1006	76 5.0+1 1.0+2	FLEISSNER+ NDG. MAX YLD AT 77MEV.	PRD
	¹⁵⁰ Nd(⁶ Li,pxn) σ(E)				
939	NOT A BAP 21	1006	76 5.0+1 1.0+2	FLEISSNER+ NDG. MAX YLD AT 77MEV.	PRD
	¹⁵⁰ Nd(⁶ Li,αxn) σ(E)				
940	NOT A BAP 21	1006	76 5.0+1 1.0+2	FLEISSNER+ NDG. MAX YLD AT 77MEV.	PRD
	¹⁵⁰ Sm(⁶ Li,pxn) σ(E)				
941	NOT A BAP 21	1006	76 5.0+1 1.0+2	FLEISSNER+ NDG. MAX YLD AT 77MEV.	PRD
	¹⁵⁰ Sm(⁶ Li,αxn) σ(E)				
942	NOT A BAP 21	1006	76 5.0+1 1.0+2	FLEISSNER+ NDG. MAX YLD AT 77MEV.	PRD
	⁴⁴ Ca(⁷ Li,2nα) ⁴³ Sc σ(E)				
943	MUN J NC 34	321	76 1.0+1 3.5+1	FORTUNA+ CURV. EG=1.237MEV.	PAR G
	⁴⁴ Ca(⁷ Li,3np) ⁴⁷ Ti σ(E)				
944	MUN J NC 34	321	76 1.0+1 3.5+1	FORTUNA+ CURV. EG=0.160MEV.	PAR G
	⁴⁴ Ca(⁷ Li,2np) ⁴⁸ Ti σ(E)				
945	MUN J NC 34	321	76 1.0+1 3.5+1	FORTUNA+ CURV. 5 GAMMA GROUPS.	PAR G
	⁴⁴ Ca(⁷ Li,3n) ⁴⁸ V σ(E)				
946	MUN J NC 34	321	76 1.0+1 3.5+1	FORTUNA+ CURV. EG=0.428MEV.	PAR G
	⁴⁴ Ca(⁷ Li,2n) ⁴⁹ V σ(E)				
947	MUN J NC 34	321	76 1.0+1 3.5+1	FORTUNA+ CURV. EG=1.021MEV.	PAR G
	¹⁰ B(¹⁰ B,absorption) σ(E)				
948	LUQ J NP/A 259	513	76 1.8+0 3.7+0	HIGH+ CURV ENERGY IN CENTER-OF-MASS	
	¹⁰ B(¹⁰ B,α) ¹⁰ B σ(E)				
949	PEN J PR/C 14	357	76 2.0+1	AJZEERG-SELOVE+ (0.2+-0.04)MB	
	¹¹ B(¹⁰ B,absorption) σ(E)				
950	LUQ J NP/A 259	513	76 1.6+0 3.9+0	HIGH+ CURV ENERGY IN CENTER-OF-MASS	
	¹⁹⁷ Au(¹⁰ B,8n) ¹⁹⁹ Po σ(E)				
951	WHA J APPB 7	141	76 7.8+1 1.0+2	KORMAN+ CURV. ARBITRARY UNITS.	REL
	¹⁹⁷ Au(¹⁰ B,7n) ²⁰⁰ Po σ(E)				
952	WHA J APPB 7	141	76 7.8+1 1.0+2	KORMAN+ CURV. ARBITRARY UNITS.	REL
	¹⁹⁷ Au(¹⁰ B,6n) ²⁰¹ Po σ(E)				
953	WHA J APPB 7	141	76 7.8+1 1.0+2	KORMAN+ CURV. ARBITRARY UNITS.	REL
	¹⁹⁷ Au(¹⁰ B,5n) ²⁰² Po σ(E)				
954	WHA J APPB 7	141	76 7.8+1 1.0+2	KORMAN+ CURV. ARBITRARY UNITS.	REL
	²⁰⁹ Bi(¹⁰ B,α) ²⁰⁴ Bi σ(E)				
955	YAL J ZP 279	301	76 7.8+0 8.8+1	RAICH+ CURV. EG = 0.899MEV.	PAR G REL
	²⁰⁹ Bi(¹⁰ B,α) ²⁰⁴ Po σ(E)				
956	YAL J ZP 279	301	76 6.8+1 8.8+1	RAICH+ CURV. EG = 1.031MEV.	PAR G REL
	²⁰⁹ Bi(¹⁰ B,α) ²⁰⁹ At σ(E)				
957	YAL J ZP 279	301	76 6.8+1 8.8+1	RAICH+ CURV. EG = 0.545MEV.	PAR G REL
	²⁰⁹ Bi(¹⁰ B,α) ²¹⁰ At σ(E)				
958	YAL J ZP 279	301	76 0.0+0	RAICH+ CURV. EG = 1.180MEV.	PAR G REL
	²⁰⁹ Bi(¹⁰ B,α) ²¹¹ Rn σ(E)				
959	YAL J ZP 279	301	76 6.8+1 8.8+1	RAICH+ CURV. EG = 0.674MEV.	PAR G REL
	²⁰⁹ Bi(¹⁰ B,6n) ²¹³ Re σ(E)				
960	YAL J ZP 279	301	76 6.8+1 8.3+1	RAICH+ CURV. THREE GAMMAS.	PAR G REL
	¹¹ B(¹⁰ B,absorption) σ(E)				
961	LUQ J NP/A 259	513	76 1.6+0 3.7+0	HIGH+ CURV ENERGY IN CENTER-OF-MASS	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	¹⁹⁷ Au(¹¹ B,7n) ²⁰¹ Po σ(E)				
962	HWA J APPB 7 141	76	8.6+1 9.1+1	KORMAN+ CURV. ARBITRARY UNITS.	REL
	¹⁹⁷ Au(¹¹ B,6n) ²⁰² Po σ(E)				
963	HWA J APPB 7 141	76	7.4+1 9.1+1	KORMAN+ CURV. ARBITRARY UNITS.	REL
	¹⁹⁷ Au(¹¹ B,5n) ²⁰³ Po σ(E)				
964	HWA J APPB 7 141	76	6.0+1 8.6+1	KORMAN+ CURV. ARBITRARY UNITS.	REL
	¹⁹⁷ Au(¹¹ B,4n) ²⁰⁴ Po σ(E)				
965	HWA J APPB 7 141	76	6.0+1 7.8+1	KORMAN+ CURV. ARBITRARY UNITS.	REL
	²³⁸ U(¹¹ B,fission)Fission fragments fission yield				
966	PAR J PR/C 14 2185	76	8.5+1	DESAINT-SIMON+ CURV. RB. ON-LINE MS.	PRD REL
	¹⁰ B(¹² C,absorption) σ(E)				
967	CAL J NP/A 261 478	76	5.0+0 1.6+1	DAYRAS+ CURV. DED. FROM PARTIALS/THEORY	
	¹⁰ B(¹² C,fusion+x) σ(E)				
968	CAL J PRL 37 888	76	5.0+0 1.6+1	STOKSTAD+ CURV. SEE NP/A 261,478(76).	FCT
	¹⁰ B(¹² C,α ¹⁸ F) σ(E)				
969	CAL J NP/A 261 478	76	5.0+0 1.6+1	DAYRAS+ CURV MEASURED GAMMAS	
	¹⁰ B(¹² C,p) ²¹ Ne σ(E)				
970	CAL J NP/A 261 478	76	5.0+0 1.6+1	DAYRAS+ CURV MEASURED GAMMAS	
	¹⁰ B(¹² C,n) ²¹ Ne σ(E)				
971	CAL J NP/A 261 478	76	5.0+0 1.6+1	DAYRAS+ CURV MEASURED GAMMAS	
	¹¹ B(¹² C,absorption) σ(E)				
972	CAL J NP/A 261 478	76	5.0+0 1.6+1	DAYRAS+ CURV. DED. FROM PARTIALS/THEORY	
	¹¹ B(¹² C,fusion+x) σ(E)				
973	CAL J PRL 37 888	76	5.0+0 1.6+1	STOKSTAD+ CURV. SEE NP/A 261,478(76).	FCT
	¹¹ B(¹² C,α ¹⁹ F) σ(E)				
974	CAL J NP/A 261 478	76	5.0+0 1.6+1	DAYRAS+ CURV MEASURED GAMMAS	
	¹¹ B(¹² C,p) ²² Ne σ(E)				
975	CAL J NP/A 261 478	76	5.0+0 1.6+1	DAYRAS+ CURV MEASURED GAMMAS	
	¹¹ B(¹² C,n) ²² Ne σ(E)				
976	CAL J NP/A 261 478	76	5.0+0 1.6+1	DAYRAS+ CURV MEASURED GAMMAS	
	¹² C(¹² C,absorption) σ(E)				
977	LUO J NP/A 259 513	76	3.8+0 6.0+0	HIGH+ CURV ENERGY IN CENTER-OF-MASS	
978	TAM J NP/A 263 491	76	4.5+1 2.0+2	NAMBODIRI+ TBL.	
	¹² C(¹² C,inelastic) σ(E)				
979	STB A BAP 22 39	177	3.0+1 6.0+1	CORMIER+ NDG.	PAR
	¹² C(¹² C,x) σ(E)				
980	TAM J NP/A 263 491	76	4.5+1 2.0+2	NAMBODIRI+ CURV. Z=1-12.	PRD
981	YAL A BAP 22 38	177	1.3+1 1.6+1	ERB+ NDG. MANY RESONANCES.	G
	¹² C(¹² C,fusion+x) σ(E)				
982	ANL J PRL 37 321	76	1.5+1 7.2+1	SPERR+ CURV. INTEGRATED ANG. DIST.	
	¹² C(¹² C, ⁸⁰ Br) ¹⁶⁰ Gd σ(E)				
983	MUJ J NP/A 257 144	76	3.5+1 6.9+1	WEIDINGER+ CURV. ANGLE-INTEGRATED	PAR
	¹² C(¹² C,α ²⁰ Ne) σ(E)				
984	LUO A BAP 21 656	76	2.5+0 3.6+0	HIGH+ NDG. MEAS. G'S. FUSION STUDY.	
985	YAL J PRL 37 670	76	6.5+0 1.1+1	ERB+ CURV. ANGLE-INTEGRATED. EX.LE.4.97	CUM
	¹² C(¹² C,α ²⁰ Ne) σ(E)				
986	YAL J PRL 37 670	76	6.5+0 1.1+1	ERB+ CURV. ANGLE-INTEGRATED.	GND
	¹² C(¹² C,p) ²³ Ne σ(E)				
987	LUO A BAP 21 656	76	2.5+0 3.6+0	HIGH+ NDG. MEAS. G'S. FUSION STUDY.	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{16}\text{O}(^{12}\text{C},x)\sigma(\text{E})$				
988	NBI J PR/C 15	449	176	1.9+1 4.8+1 SWITKOWSKI+ CURV. YLD/MICROCURIE,	G FCT
	$^{16}\text{O}(^{12}\text{C},\text{fusion}+x)\sigma(\text{E})$				
989	ANL J PRL 37	321	76	2.0+1 4.8+1 SPERR+ CURV. INTEG. ANG. DIST.	
	$^{16}\text{O}(^{12}\text{C},2\alpha)^{20}\text{Ne}\sigma(\text{E})$				
990	NBI J PR/C 15	449	176	1.9+1 4.8+1 SWITKOWSKI+ CURV. EG = 1.634.	PAR G FCT
	$^{16}\text{O}(^{12}\text{C},\text{pa})^{23}\text{Ne}\sigma(\text{E})$				
991	NBI J PR/C 15	449	176	1.9+1 4.8+1 SWITKOWSKI+ CURV. EG = 0.440.	PAR G FCT
	$^{16}\text{O}(^{12}\text{C},\text{na})^{23}\text{Ne}\sigma(\text{E})$				
992	NBI J PR/C 15	449	176	1.9+1 4.8+1 SWITKOWSKI+ CURV. EG = 0.451	PAF G FCT
	$^{16}\text{O}(^{12}\text{C},\alpha)^{24}\text{Ne}\sigma(\text{E})$				
993	NBI J PR/C 15	449	176	1.9+1 4.8+1 SWITKOWSKI+ CURV. EG = 1.369.	PAR G FCT
	$^{16}\text{O}(^{12}\text{C},2\text{p})^{26}\text{Ne}\sigma(\text{E})$				
994	NBI J PR/C 15	449	176	1.9+1 4.8+1 SWITKOWSKI+ CURV. EG = 1.809.	PAR G FCT
	$^{16}\text{O}(^{12}\text{C},\text{np})^{24}\text{Al}\sigma(\text{E})$				
995	NBI J PR/C 15	449	176	1.9+1 4.8+1 SWITKOWSKI+ CURV. EG = 0.418.	PAR G FCT
	$^{19}\text{F}(^{12}\text{C},\text{fusion}+x)\sigma(\text{E})$				
996	ANL J PRL 37	321	76	1.9+1 4.4+1 SPERR+ CURV. INTEG. ANG. DIST.	
	$^{27}\text{Al}(^{12}\text{C},\text{absorption})\sigma(\text{E})$				
997	YAL A BAP 21	680	76	4.5+1 7.0+1 BETTS+ NDG. SYSTEMATICS ALSO DISCUSSED	
	$^{27}\text{Al}(^{12}\text{C},\text{fusion}+x)\sigma(\text{E})$				
998	YAL A BAP 21	30	76	+1 7.0+1 LANFORD+ NDG. DETECTED EVAPORATION RES.	PRO
	$^{40}\text{Ca}(^{12}\text{C},2\text{p})^{46}\text{Ti}\sigma(\text{E})$				
999	MUN J NC 34	321	76	3.4+1 6.2+1 FORTUNA+ CURV. 2+ TO 0+.	PAR G
1000	MUN J ZP/A 277	117	76	3.3+1 4.8+1 IMAZATO. TBL. SUM OF SIGMAS = 1	REL
	$^{40}\text{Ca}(^{12}\text{C},4\text{p})^{48}\text{Ti}\sigma(\text{E})$				
1001	MUN J NC 34	321	76	5.5+1 6.2+1 FORTUNA+ CURV. 2+ TO 0+.	PAR G
	$^{40}\text{Ca}(^{12}\text{C},\text{npp})^{46}\text{V}\sigma(\text{E})$				
1002	MUN J NC 34	321	76	4.8+1 6.2+1 FORTUNA+ CURV. 2+ TO 0+.	PAR G
	$^{40}\text{Ca}(^{12}\text{C},\text{pa})^{47}\text{V}\sigma(\text{E})$				
1003	MUN J NC 34	321	76	2.7+1 6.2+1 FORTUNA+ CURV. 11/2- TO 7/2-.	PAR G
1004	MUN J ZP/A 277	117	76	3.3+1 4.8+1 IMAZATO. TBL. SUM OF SIGMAS = 1	REL
	$^{40}\text{Ca}(^{12}\text{C},\text{n3p})^{48}\text{V}\sigma(\text{E})$				
1005	MUN J NC 34	321	76	4.1+1 6.2+1 FORTUNA+ CURV. 6+ TO 5+.	PAR G
	$^{40}\text{Ca}(^{12}\text{C},3\text{p})^{49}\text{V}\sigma(\text{E})$				
1006	MUN J NC 34	321	76	3.4+1 6.2+1 FORTUNA+ CURV. 11/2- TO 7/2-.	PAR G
1007	MUN J ZP/A 277	117	76	3.3+1 4.8+1 IMAZATO. TBL. SUM OF SIGMAS = 1	REL
	$^{40}\text{Ca}(^{12}\text{C},\alpha)^{48}\text{Cr}\sigma(\text{E})$				
1008	MUN J ZP/A 277	117	76	3.3+1 4.8+1 IMAZATO. TBL. SUM OF SIGMAS = 1	REL
	$^{40}\text{Ca}(^{12}\text{C},\text{n2p})^{49}\text{Cr}\sigma(\text{E})$				
1009	MUN J NC 34	321	76	3.4+1 6.2+1 FORTUNA+ CURV. 9/2- TO 7/2-.	PAR G
1010	MUN J ZP/A 277	117	76	3.3+1 4.8+1 IMAZATO. TBL. SUM OF SIGMAS = 1	REL
	$^{40}\text{Ca}(^{12}\text{C},2\text{p})^{50}\text{Cr}\sigma(\text{E})$				
1011	MUN J NC 34	321	76	3.4+1 6.2+1 FORTUNA+ CURV. 2+ TO 0+.	PAR G
1012	MUN J ZP/A 277	117	76	3.3+1 4.8+1 IMAZATO. TBL. SUM OF SIGMAS = 1	REL
	$^{40}\text{Ca}(^{12}\text{C},\text{np})^{50}\text{Mn}\sigma(\text{E})$				
1013	MUN J ZP/A 277	117	76	3.3+1 4.8+1 IMAZATO. TBL. SUM OF SIGMAS = 1	
	$^{40}\text{Ca}(^{12}\text{C},\text{p})^{51}\text{Mn}\sigma(\text{E})$				
1014	MUN J ZP/A 277	117	76	3.3+1 4.8+1 IMAZATO. TBL. SUM OF SIGMAS = 1	REL

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	⁴⁰ Ca(¹² C,2n) ⁵⁰ Fe σ(E)				
1015 HUN 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 σ(E)				
1016 HUN J ZP/A 277	117 76 3.3+1 4.8+1	IMAZATO. TBL. SUM OF SIGMAS = 1			REL
	⁵⁰ Cr(¹² C,2p) ⁶⁰ Ni σ(E)				
1017 SAC P CEA-N-1791	32 974 2.8+1 5.8+1	BALLINI+ CURV			REL
	⁵⁵ Mn(¹² C,fusion) σ(E)				
1018 GRE J NP/A 274	223 076 7.7+1	CHEVARIER+ FRM TOT AND DI. (.87+- .08)B			
	⁵⁵ Mn(¹² C,totol) σ(E)				
1019 GRE J NP/A 274	223 076 7.7+1	CHEVARIER+ CALC. FRM ELAS. 1.360B			
	⁵⁵ Mn(¹² C,x) σ(E)				
1020 GRE J NP/A 274	223 076 7.7+1	CHEVARIER+ FRM ANG. DIST. (.49+- .08)B			DI
	⁵⁵ Mn(¹² C,xα) σ(E)				
1021 GRE J NP/A 274	223 076 7.7+1	CHEVARIER+ (0.240+-0.036)B			EMM/DI
	⁵⁵ Mn(¹² C,x) ⁶⁷ Ge σ(E)				
1022 GRE J NP/A 274	223 076 7.7+1	CHEVARIER+ CURV. Z = 3 TO 9.			PRD
	⁶⁰ Ni(¹² C,fusion) σ(E)				
1023 GRE J NP/A 274	223 076 7.7+1	CHEVARIER+ FRM TOT AND DI. (.96+- .07)B			
	⁶⁰ Ni(¹² C,totol) σ(E)				
1024 GRE J NP/A 274	223 076 7.7+1	CHEVARIER+ CALC. FRM ELAS. 1.430B			
	⁶⁰ Ni(¹² C,x) σ(E)				
1025 GRE J NP/A 274	223 076 7.7+1	CHEVARIER+ FRM ANG. DIST. (.47+- .07)B			DI
	⁶⁰ Ni(¹² C,xα) σ(E)				
1026 GRE J NP/A 274	223 076 7.7+1	CHEVARIER+ (0.0240+-0.036)B			EMM/DI
	⁶⁰ Ni(¹² C,x) ⁷² Se σ(E)				
1027 GRE J NP/A 274	223 076 7.7+1	CHEVARIER+ CURV. Z = 7 TO 9.			PRD
	⁹¹ Zr(¹² C,x) ⁹⁹ Pd σ(E)				
1028 BNL J PR/C 15	287 176 5.6+1 6.6+1	PIEL+ TBL. AT 63. COMP TO S32+GE70.			REL
	¹⁴² Nd(¹² C,5np) ¹⁴⁸ Tb σ(E)				
1029 ORL P ORNL-5025	54 75 8.7+1 1.1+2	TOTH+ CURV.E(G)=88Z.4.			REL
	¹⁴² Nd(¹² C,4np) ¹⁴⁹ Tb σ(E)				
1030 ORL P ORNL-5025	54 75 8.7+1 1.1+2	TOTH+ CURV.E(G)=796.0. T1/2=4.17M			REL
	¹⁴² Nd(¹² C,6n) ¹⁴⁸ Dy σ(E)				
1031 ORL P ORNL-5025	54 75 8.7+1 1.1+2	TOTH+ CURV.E(G)=620.2.			REL
	¹⁹⁶ Pt(¹² C,fission) $\bar{\nu}$				
1032 HAR P UKNDC-P-80	776 7.0+1	CUNINGHAM+ CURV. VIA PO-208+. P. 35			
	¹² C(¹³ C,absorption) σ(E)				
1033 CAL J NP/A 265	153 76 5.0+0 1.6+1	DAYRAS+ CURV. NUCLEAR S-FACTOR.			
	¹² C(¹³ C,totol) σ(E)				
1034 CAL J NP/A 265	153 76 5.0+0 1.6+1	DAYRAS+ CURV. INFERRED.			CN
	¹² C(¹³ C,fusion+x) σ(E)				
1035 CAL J PRL 37	888 76 5.0+0 1.6+1	STOKSTAD+ CURV. SEE NP/A 261,478(76).			FCT
	¹² C(¹³ C,2α) ¹⁷⁰ σ(E)				
1036 CAL J NP/A 265	153 76 1.0+1 3.3+1	DAYRAS+ CURV. MEASURED GAMMAS.			(CUM)
	¹² C(¹³ C,nα) ²⁰ Ne σ(E)				
1037 CAL J NP/A 265	153 76 5.0+0 1.6+1	DAYRAS+ CURV. MEASURED GAMMAS.			(CUM)
	¹² C(¹³ C,α) ²¹ Ne σ(E)				
1038 CAL J NP/A 265	153 76 5.0+0 1.6+1	DAYRAS+ CURV. MEASURED GAMMAS.			

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	Emin (MeV)	Emax (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{12}\text{C}(^{13}\text{C},\text{np})^{23}\text{Ne}$ $\sigma(\text{E})$				
1039	CAL J NP/A 265	153	76 5.0+0 1.6+1	DAYRAS+ CURV. MEASURED GAMMAS.	(CUM)
	$^{12}\text{C}(^{13}\text{C},\text{p})^{24}\text{Ne}$ $\sigma(\text{E})$				
1040	CAL J NP/A 265	153	76 5.0+0 1.6+1	DAYRAS+ CURV. MEASURED GAMMAS.	
	$^{12}\text{C}(^{13}\text{C},\text{n})^{24}\text{Mg}$ $\sigma(\text{E})$				
1041	CAL J NP/A 265	153	76 5.0+0 1.6+1	DAYRAS+ CURV. MEASURED GAMMAS.	
1042	PEN J PRL 37	279	76 1.6+1	GELLER+ (1.29+-0.26)MB. GS+1.368-STATE	
	$^{92}\text{Zr}(^{13}\text{C},3\text{n})^{102}\text{Pd}$ $\sigma(\text{E})$				
1043	PUR J PR/C 14	2297	76 5.1+1	GRAU+ TBL. REL. TO 556.4-KEV GAMMA.	EMM G REL
	$^{92}\text{Zr}(^{13}\text{C},3\text{n})^{104}\text{Pd}$ $\sigma(\text{E})$				
1044	PUR J PR/C 14	2297	76 4.7+1	GRAU+ TBL. REL. TO 555.8-KEV GAMMA.	EMM G REL
	$^{96}\text{Zr}(^{13}\text{C},3\text{n})^{106}\text{Pd}$ $\sigma(\text{E})$				
1045	PUR J PR/C 14	2297	76 4.5+1	GRAU+ TBL. REL. TO 511.8-KEV GAMMA.	EMM G REL
	$^{10}\text{B}(^{14}\text{N},\alpha)^{20}\text{Ne}$ product yield				
1046	MON P INDC(SEC)-5043	176	9.5+0 1.3+1	KOIDE+ NDG. NO EVID. FOR STRONG RESON.	
	$^{10}\text{B}(^{14}\text{N},\text{p})^{23}\text{Ne}$ product yield				
1047	MON P INDC(SEC)-5043	176	9.5+0 1.3+1	KOIDE+ NDG. NO EVID. FOR STRONG RESON.	
	$^{12}\text{C}(^{14}\text{N},\text{fusion})$ $\sigma(\text{E})$				
1048	SAC P CEA-N-1861	18	975 2.5+1 9.0+1	CONJEAUD+ CURV. HAUSER-FESHBACH.	
	$^{12}\text{C}(^{14}\text{N},\text{fusion}+\text{x})$ $\sigma(\text{E})$				
1049	CAL J PRL 37	888	76 5.0+0 1.6+1	STOKSTAD+ CURV. NUCLEAR S-FACTOR.	FCT
1050	DRL J PRL 36	1529	76 4.3+1 1.8+2	STOKSTAD+ CURV. INTEGRATED ANG. DIST.	
	$^{14}\text{N}(^{14}\text{N},\text{fusion})$ $\sigma(\text{E})$				
1051	CAL J NP/A 274	202	D76 9.4+0 2.2+1	SWITKOWSKI+ TBL. CURV. DED. FRM HVY PRD	
	$^{14}\text{N}(^{14}\text{N},\text{fusion}+\text{x})$ $\sigma(\text{E})$				
1052	CAL J PRL 37	888	76 5.0+0 1.6+1	STOKSTAD+ CURV. NUCLEAR S-FACTOR.	FCT
	$^{14}\text{N}(^{14}\text{N},^{13}\text{N})^{15}\text{N}$ $\sigma(\text{E})$				
1053	CAL J NP/A 274	202	D76 9.4+0 2.2+1	SWITKOWSKI+ CURV. DEDUCED.	
	$^{30}\text{Si}(^{14}\text{N},\text{absorption})$ $\sigma(\text{E})$				
1054	FSU J PR/C 13	661	76 4.0+1 6.2+1	ZELLER+ CURV. PARABOLIC BARRIER APP.	
	$^{30}\text{Si}(^{14}\text{N},\text{n})^{43}\text{Sc}$ $\sigma(\text{E})$				
1055	FSU J PR/C 13	661	76 4.0+1 6.2+1	ZELLER+ CURV. DEDUCED FROM TTY.	
	$^{30}\text{Si}(^{14}\text{N},\text{n})^{43}\text{Sc}$ thick target yield				
1056	FSU J PR/C 13	661	76 4.0+1 6.2+1	ZELLER+ CURV. 5 POINTS.	
	$^{30}\text{Si}(^{14}\text{N},\text{fusion})^{44}\text{Sc}$ thick target yield				
1057	FSU J PR/C 13	661	76 4.0+1 6.2+1	ZELLER+ CURV. 5 POINTS.	
	$^{30}\text{Si}(^{14}\text{N},\text{x})^{44}\text{Sc}$ $\sigma(\text{E})$				
1058	FSU J PR/C 13	661	76 4.0+1 6.2+1	ZELLER+ CURV. DEDUCED FROM TTY.	
	$^{59}\text{Co}(^{14}\text{N},4\text{n})^{69}\text{Se}$ $\sigma(\text{E})$				
1059	YAL J JIN 38	2139	76 5.5+1 1.2+2	LA-BREQUE+ CURV. DELAYED G'S. PK=100. PAR REL	
	$^{59}\text{Co}(^{14}\text{N},3\text{n})^{70}\text{Se}$ $\sigma(\text{E})$				
1060	YAL J JIN 38	2139	76 +1 1.2+2	LA-BREQUE+ NDG. PEAK AT 80MEV.	REL
	$^{141}\text{Pr}(^{14}\text{N},5\text{n})^{150}\text{Dy}$ $\sigma(\text{E})$				
1061	ORL P ORNL-5025	48	75 5.8+1 9.8+1	SCHMIDT-OTT+ CURV.	REL
	$^{141}\text{Pr}(^{14}\text{N},4\text{n})^{151}\text{Dy}$ $\sigma(\text{E})$				
1062	ORL P ORNL-5025	48	75 5.8+1 9.8+1	SCHMIDT-OTT+ CURV.	REL
	$^{142}\text{Nd}(^{14}\text{N},5\text{n})^{151}\text{Ho}$ $\sigma(\text{E})$				
1063	ORL P ORNL-5025	48	75 5.8+1 9.8+1	SCHMIDT-OTT+ CURV.	GND REL

EXPERIMENTAL REFERENCES(cont)

No.	Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
		$^{142}\text{Nd}(^{14}\text{N},5\text{n})^{131}\text{Ho}$			$\sigma(\text{E})$	
1064	ORL P	ORNL-5025	48	75	5.8+1 9.8+1 SCHMIDT-OTT+ CURV.	PAR REL
		$^{142}\text{Nd}(^{14}\text{N},4\text{n})^{132}\text{Ho}$			$\sigma(\text{E})$	
1065	ORL P	ORNL-5025	48	75	5.8+1 9.8+1 SCHMIDT-OTT+ CURV.	GND REL
		$^{142}\text{Nd}(^{14}\text{N},4\text{n})^{132}\text{Ho}$			$\sigma(\text{E})$	
1066	ORL P	ORNL-5025	48	75	5.8+1 9.8+1 SCHMIDT-OTT+ CURV.	PAR REL
		$^2\text{H}(^{16}\text{O},\text{n})^{17}\text{F}$			product yield	
1067	IEA P	INDC(SEC)-5043	176	NDG	ROTBURG. NDG. THRESHOLD MEASUREMENT.	
		$^{18}\text{O}(^{16}\text{O},\alpha)^{22}\text{Ne}$			product yield	
1068	IEA P	INDC(SEC)-5042	176	3.6+1	4.0+1 HIRATA+ NDG. A-GROUPS TO LOW EXCIT. LEV	PAR
		$\text{C}(^{16}\text{O},\text{fusion})$			$\sigma(\text{E})$	
1069	UEN J	PL/B 64	408	76	8.5+0 1.2+1 FROMLICH+ CURV.	
		$^{12}\text{C}(^{16}\text{O},\text{absorption})$			$\sigma(\text{E})$	
1070	UEN J	PL/B 64	408	76	1.8+1 6.5+1 FROMLICH+ CURV. OPTICAL MODEL.	
		$^{12}\text{C}(^{16}\text{O},\text{fusion})$			$\sigma(\text{E})$	
1071	STR J	PL/B 65	333	D76	4.0+1 6.5+1 KOLATA+ CURV. DEDUCED FROM FUS PROD YLOS	
1072	UEN J	PL/B 64	408	76	1.5+1 6.5+1 FROMLICH+ CURV. GLAS-MODEL MODEL.	
		$^{12}\text{C}(^{16}\text{O},\text{x})$			$\sigma(\text{E})$	
1073	MUN J	NP/A 263	511	76	6.0+1 WEIDINGER+ CURV. Z=9-12. A=20-27.	PRO
		$^{12}\text{C}(^{16}\text{O},\text{fusion+x})$			$\sigma(\text{E})$	
1074	ANL J	PRL 36	405	76	3.0+1 6.3+1 SPERR+ CURV. INTEGRATED ANG. DIST.	
1075	MUN J	NP/A 263	511	76	6.0+1 WEIDINGER+ (870+-130)MB. DERIVED	
		$^{12}\text{C}(^{16}\text{O},\text{px})$			$\sigma(\text{E})$	
1076	ANL A	BAP 21	968	76	3.0+1 6.3+1 TABOR+ NDG.	EMM
		$^{12}\text{C}(^{16}\text{O},\alpha\text{x})$			$\sigma(\text{E})$	
1077	ANL A	BAP 21	968	76	3.0+1 6.3+1 TABOR+ NDG.	EMM
		$^{12}\text{C}(^{16}\text{O},2\alpha)^{20}\text{Ne}$			product yield	
1078	HAR P	AERE-PR/NP2334	76	+0	2.5+1 VIGGARS+ NDG.	
		$^{12}\text{C}(^{16}\text{O},\text{x})^{20}\text{Ne}$			$\sigma(\text{E})$	
1079	STR J	PL/B 65	333	D76	4.0+1 6.5+1 KOLATA+ CURV. ACTIVATION.	
		$^{12}\text{C}(^{16}\text{O},^3\text{He})^{20}\text{Ne}$			product yield	
1080	HAR P	AERE-PR/NP2334	76	+0	2.5+1 VIGGARS+ NDG.	
		$^{12}\text{C}(^{16}\text{O},\text{x})^{23}\text{Ne}$			$\sigma(\text{E})$	
1081	STR J	PL/B 65	333	D76	4.0+1 6.5+1 KOLATA+ CURV. ACTIVATION.	
		$^{12}\text{C}(^{16}\text{O},\alpha)^{24}\text{Mg}$			$\sigma(\text{E})$	
1082	CAL J	NP/A 274	202	D76	1.1+1 2.3+1 SWITKOWSKI+ CURV. MEASURED GAMMAS.	
1083	MIT A	BAP 21	679	76	2.0+1 1.0+2 YOUNG+ NDG	
		$^{12}\text{C}(^{16}\text{O},\text{x})^{24}\text{Mg}$			$\sigma(\text{E})$	
1084	STR J	PL/B 65	333	D76	4.0+1 6.5+1 KOLATA+ CURV. ACTIVATION.	
		$^{12}\text{C}(^{16}\text{O},\text{p})^{27}\text{Al}$			$\sigma(\text{E})$	
1085	CAL J	NP/A 274	202	D76	1.1+1 2.3+1 SWITKOWSKI+ CURV. MEASURED GAMMAS.	
		$^{12}\text{C}(^{16}\text{O},\text{n})^{27}\text{Si}$			$\sigma(\text{E})$	
1086	CAL J	NP/A 274	202	D76	1.1+1 2.3+1 SWITKOWSKI+ CURV. MEASURED GAMMAS.	
		$^{12}\text{C}(^{16}\text{O},\text{fusion})^{28}\text{Si}$			$\sigma(\text{E})$	
1087	WZI	PR/C 13	1527	76	1.6+1 3.3+1 EYAL+ TBL. DEDUCED FROM EVAPOR. RESIDUE	
		$^{14}\text{N}(^{16}\text{O},\text{fusion+x})$			$\sigma(\text{E})$	
1088	CAL J	PRL 37	888	76	5.0+0 1.6+1 STOKSTAD+ CURV. NUCLEAR S-FACTOR.	FCT
		$^{18}\text{O}(^{16}\text{O},\text{x})$			$\sigma(\text{E})$	
1089	MUN J	NP/A 263	511	76	6.0+1 WEIDINGER+ CURV. Z=9-13. A=20-29.	PRO

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	Emin (MeV)	Emax (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{16}\text{O}(^{16}\text{O}, \text{fusion-x}) \sigma(\text{E})$				
1090	MUN J NP/A 263	511	76 6.0+1	WEIDINGER+ (1.00+- .15)B. DEL'VED	
	$^{16}\text{O}(^{16}\text{O}, \alpha)^{28}\text{Si}$ product yield				
1091	ATH P INDC(SEC)-5198 D75	1.7+1	3.2+1	FOX+ NDG. 200KEV STAPS. GND+1ST-EXC. ST	PAR
	$^{27}\text{Al}(^{16}\text{O}, \text{x})$ product yield				
1092	IEA P INDC(SEC)-5042 176 NDG			ACQUADRO+ NDG. PRELIMINARY REPORT.	
	$^{59}\text{K}(^{16}\text{O}, \text{x})^{52}\text{Mn} \sigma(\text{E})$				
1093	BUC J NP/A 272	243	N76 3.7+1 5.2+1	AVRIGEANU+ CURV. TBL.	EMM/PAR G REL
	$^{40}\text{Ca}(^{16}\text{O}, \text{fusion})^{56}\text{Ni} \sigma(\text{E})$				
1094	ANI A BAP 21	680	76 5.2+1 2.1+2	VIGDOR+ NDG. DETECTED HEAVY RESIDUES	
	$^{46}\text{Ti}(^{16}\text{O}, 2\text{p})^{60}\text{Ni} \sigma(\text{E})$				
1095	SAC P IEA-N-1791	32	974 2.8+1 5.8+1	BALLINI+ CURV	REL
	$^{51}\text{V}(^{16}\text{O}, \text{fusion}) \sigma(\text{E})$				
1096	GRE J NP/A 274	223	D76 7.7+1	CHEVARIER+ FRM TOT AND DI. (1.09+- .07)B	
	$^{51}\text{V}(^{16}\text{O}, \text{total}) \sigma(\text{E})$				
1097	GRE J NP/A 274	223	D76 7.7+1	CHEVARIER+ CALC. FRM ELAS. 1.540B	
	$^{51}\text{V}(^{16}\text{O}, \text{x}) \sigma(\text{E})$				
1098	GRE J NP/A 274	223	D76 7.7+1	CHEVARIER+ FRM ANG. DIST. (.45+- .07)B	DI
	$^{51}\text{V}(^{16}\text{O}, \text{x}) \sigma(\text{E})$				
1099	GRE J NP/A 274	223	D76 7.7+1	CHEVARIER+ (0.080+- .024)B	EMM/DI
	$^{51}\text{V}(^{16}\text{O}, \text{n}2\text{p})^{64}\text{Cu}$ thick target yield				
1100	ATH P NEANDC(OR)	147	75 3.2+1 4.0+1	PARADELLIS+ NDG. MAIN CHANNEL. P. 20.	
	$^{51}\text{V}(^{16}\text{O}, 2\text{np})^{64}\text{Zn}$ thick target yield				
1101	ATH P NEANDC(OR)	147	75 3.2+1 4.0+1	PARADELLIS+ NDG. MAIN CHANNEL. P. 20.	
	$^{51}\text{V}(^{16}\text{O}, \text{np})^{65}\text{Zn}$ thick target yield				
1102	ATH P NEANDC(OR)	147	75 3.2+1 4.0+1	PARADELLIS+ NDG. MAIN CHANNEL. P. 20.	
	$^{51}\text{V}(^{16}\text{O}, 2\text{n})^{65}\text{Ga}$ thick target yield				
1103	ATH P NEANDC(OR)	147	75 3.2+1 4.0+1	PARADELLIS+ NDG. MAIN CHANNEL. P. 20.	
	$^{51}\text{V}(^{16}\text{O}, \text{x})^{67}\text{Ge} \sigma(\text{E})$				
1104	GRE J NP/A 274	223	D76 7.7+1	CHEVARIER+ CURV. Z = 3 TO 9.	PRO
	$^{55}\text{Mn}(^{16}\text{O}, \text{n}2\text{p})^{68}\text{Ge}$ thick target yield				
1105	ATH P NEANDC(OR)	147	75 4.1+1	COSTA+ NDG. MAIN CHANNEL. P. 19.	
	$^{55}\text{Mn}(^{16}\text{O}, 2\text{np})^{68}\text{Ge}$ thick target yield				
1106	ATH P NEANDC(OR)	147	75 4.1+1	COSTA+ NDG. MAIN CHANNEL. P. 19.	
	$^{55}\text{Mn}(^{16}\text{O}, \text{np})^{69}\text{Ge}$ thick target yield				
1107	ATH P NEANDC(OR)	147	75 4.1+1	COSTA+ NDG. MAIN CHANNEL. P. 19.	
	$^{55}\text{Mn}(^{16}\text{O}, 2\text{n})^{69}\text{As}$ thick target yield				
1108	ATH P NEANDC(OR)	147	75 4.1+1	COSTA+ NDG. MAIN CHANNEL. P. 19.	
	$^{56}\text{Fe}(^{16}\text{O}, \text{fusion}) \sigma(\text{E})$				
1109	GRE J NP/A 274	223	D76 7.7+1	CHEVARIER+ FRM TOT AND DI. (1.04+- .08)B	
	$^{56}\text{Fe}(^{16}\text{O}, \text{total}) \sigma(\text{E})$				
1110	GRE J NP/A 274	223	D76 7.7+1	CHEVARIER+ CALC. FRM ELAS. 1.570B	
	$^{56}\text{Fe}(^{16}\text{O}, \text{x}) \sigma(\text{E})$				
1111	GRE J NP/A 274	223	D76 7.7+1	CHEVARIER+ FRM ANG. DIST. (.53+- .08)B	DI
	J NP/A 274	223	D76 7.7+1	CHEVARIER+ (0.065+- .020)B	EMM/DI
	$^{56}\text{Fe}(^{16}\text{O}, \text{x})^{72}\text{Se} \sigma(\text{E})$				
1112	GRE J NP/A 274	223	D76 7.7+1	CHEVARIER+ CURV. Z = 3 TO 9.	PRO

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	⁵⁹ Co(¹⁶ O,2α) ⁶⁷ Ge thick target yield				
1113	TNL A BAP 21	680	76 4.2+1 5.2+1	WALTNER+ NDG.	
	⁵⁹ Co(¹⁶ O,npα) ⁷⁰ Ge thick target yield				
1114	TNL A BAP 21	680	76 4.2+1 5.2+1	WALTNER+ NDG.	
	⁵⁹ Co(¹⁶ O,α) ⁷¹ As thick target yield				
1115	TNL A BAP 21	680	76 4.2+1 5.2+1	WALTNER+ NDG.	
	⁵⁹ Co(¹⁶ O,n2p) ⁷³ As thick target yield				
1116	TNL A BAP 21	680	76 4.2+1 5.2+1	WALTNER+ NDG.	
	⁵⁹ Co(¹⁶ O,7n) ⁶⁸ Se σ(E)				
1117	YAL J JIN 38	2139	76 +1 1.2+2	LA-BRECQUE+ NDG. PEAK AT 140MEV.	REL
	⁵⁹ Co(¹⁶ O,6n) ⁶⁹ Se σ(E)				
1118	YAL J JIN 38	2139	76 +1 1.2+2	LA-BRECQUE+ NDG. PEAK AT 128MEV.	REL
	⁵⁹ Co(¹⁶ O,5n) ⁷⁰ Se σ(E)				
1119	YAL J JIN 38	2139	76 +1 1.2+2	LA-BRECQUE+ NDG. PEAK AT 110MEV.	REL
	⁵⁹ Co(¹⁶ O,2np) ⁷² Se thick target yield				
1120	TNL A BAP 21	680	76 4.2+1 5.2+1	WALTNER+ NDG.	
	⁵⁹ Co(¹⁶ O,np) ⁷³ Se thick target yield				
1121	TNL A BAP 21	680	76 4.2+1 5.2+1	WALTNER+ NDG.	
	⁵⁸ Ni(¹⁶ O,xn) σ(E)				
1122	ORL J PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. CALC. N/REACTION.	EMM FCT
	J PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁵⁸ Ni(¹⁶ O,absorption) σ(E)				
1123	ORL J PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. FROM N YLD. + N/REACTID	
	⁶⁰ Ni(¹⁶ O,xn) σ(E)				
1124	ORL J PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. CALC. N/REACTION.	EMM FCT
	J PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶¹ Ni(¹⁶ O,xn) σ(E)				
1125	ORL J PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. CALC. N/REACTION.	EMM FCT
	J PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶¹ Ni(¹⁶ O,3n) ⁷⁴ Kr thick target yield				
1126	ORL J PR/C 13	2588	76 4.2+1 5.0+1	WELLS+ TBL. DEDUCED UPPER LIMITS.	
	⁶² Ni(¹⁶ O,xn) σ(E)				
1127	ORL J PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. CALC. N/REACTION.	EMM FCT
	J PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶² Ni(¹⁶ O,absorption) σ(E)				
1128	ORL J PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. FROM N YLD. + N/REACTID	
	⁶⁴ Ni(¹⁶ O,xn) σ(E)				
1129	ORL J PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. CALC. N/REACTION.	EMM FCT
	J PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶³ Cu(¹⁶ O,xn) σ(E)				
1130	ORL J PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶³ Cu(¹⁶ O,x) ⁶⁷ Ge σ(E)				
1131	PAR J PR/C 14	152	76 4.0+1 8.5+1	LANGEVIN+ CURV.	G
	⁶³ Cu(¹⁶ O,x) ⁶⁹ Ge σ(E)				
1132	PAR J PR/C 14	152	76 7.0+1 8.5+1	LANGEVIN+ CURV.	G
	⁶³ Cu(¹⁶ O,x) ⁷⁰ As σ(E)				
1133	PAR J PR/C 14	152	76 5.0+1 8.5+1	LANGEVIN+ CURV.	
	⁶³ Cu(¹⁶ O,x) ⁷¹ As σ(E)				
1134	PAR J PR/C 14	152	76 5.0+1 8.5+1	LANGEVIN+ CURV.	G

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{63}\text{Cu}(^{16}\text{O},\alpha)^{72}\text{As}$			$\sigma(E)$	
1135	PAR J PR/C 14	152	76 6.5+1 8.5+1	LANGEVIN+ CURV.	G
	$^{63}\text{Cu}(^{16}\text{O},\alpha)^{73}\text{Se}$			$\sigma(E)$	
1136	PAR J PR/C 14	152	76 5.0+1 8.5+1	LANGEVIN+ CURV.	M+
	$^{63}\text{Cu}(^{16}\text{O},\alpha)^{73}\text{Se}$			$\sigma(E)$	
1137	PAR J PR/C 14	152	76 5.0+1 8.5+1	LANGEVIN+ CURV.	GND
	$^{63}\text{Cu}(^{16}\text{O},\alpha)^{73}\text{Se}$			$\sigma(E)$	
1138	PAR J PR/C 14	152	76 5.0+1 8.5+1	LANGEVIN+ CURV.	PAR G
	$^{63}\text{Cu}(^{16}\text{O},\alpha)^{73}\text{Br}$			$\sigma(E)$	
1139	PAR J PR/C 14	152	76 5.5+1 8.5+1	LANGEVIN+ CURV.	G
	$^{63}\text{Cu}(^{16}\text{O},\alpha)^{74}\text{Br}$			$\sigma(E)$	
1140	PAR J PR/C 14	152	76 4.5+1 8.5+1	LANGEVIN+ CURV.	G
	$^{63}\text{Cu}(^{16}\text{O},\alpha)^{75}\text{Br}$			$\sigma(E)$	
1141	PAR J PR/C 14	152	76 5.5+1 8.5+1	LANGEVIN+ CURV.	G
	$^{63}\text{Cu}(^{16}\text{O},\alpha)^{76}\text{Br}$			$\sigma(E)$	
1142	PAR J PR/C 14	152	76 4.0+1 8.5+1	LANGEVIN+ CURV.	G
	$^{63}\text{Cu}(^{16}\text{O},2p)^{77}\text{Br}$			$\sigma(E)$	
1143	PAR J PR/C 14	152	76 4.5+1 8.5+1	LANGEVIN+ CURV.	G
	$^{63}\text{Cu}(^{16}\text{O},\alpha)^{75}\text{Kr}$			$\sigma(E)$	
1144	PAR J PR/C 14	152	76 6.5+1 8.5+1	LANGEVIN+ CURV.	G
	$^{63}\text{Cu}(^{16}\text{O},\alpha)^{76}\text{Kr}$			$\sigma(E)$	
1145	PAR J PR/C 14	152	76 4.5+1 8.5+1	LANGEVIN+ CURV.	G
	$^{63}\text{Cu}(^{16}\text{O},\alpha)^{77}\text{Kr}$			$\sigma(E)$	
1146	PAR J PR/C 14	152	76 4.0+1 8.5+1	LANGEVIN+ CURV.	G
	$^{63}\text{Cu}(^{16}\text{O},2n)^{77}\text{Rb}$			$\sigma(E)$	
1147	PAR J PR/C 14	152	76 4.0+1 8.5+1	LANGEVIN+ CURV.	G
	$^{63}\text{Cu}(^{16}\text{O},\text{fusion})^{79}\text{Rb}$			$\sigma(E)$	
1148	PAR J PR/C 14	152	76 4.0+1 8.5+1	LANGEVIN+ TBL. FUSION.	G
	$^{63}\text{Cu}(^{16}\text{O},\alpha n)$			$\sigma(E)$	
1149	ORL J PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHER.	EMM
	$^{63}\text{Cu}(^{16}\text{O},\alpha)$			$\sigma(E)$	
1150	ORL P ORNL-5025	98	75 3.9+1 5.1+1	WELLS+ CURV. SUM OF SIGMA FROM ACTIV.	
	$^{63}\text{Cu}(^{16}\text{O},^{15}\text{N})^{66}\text{Zn}$			$\sigma(E)$	
1151	ORL P ORNL-5025	98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{63}\text{Cu}(^{16}\text{O},^{12}\text{C})^{69}\text{Ge}$			$\sigma(E)$	
1152	ORL P ORNL-5025	98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	REL
	$^{63}\text{Cu}(^{16}\text{O},\alpha)^{75}\text{As}$			$\sigma(E)$	
1153	ORL P ORNL-5025	98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	REL
	$^{63}\text{Cu}(^{16}\text{O},\alpha)^{75}\text{Se}$			$\sigma(E)$	
1154	ORL P ORNL-5025	98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	REL
	$^{63}\text{Cu}(^{16}\text{O},\alpha)^{76}\text{Se}$			$\sigma(E)$	
1155	ORL P ORNL-5025	98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{63}\text{Cu}(^{16}\text{O},\alpha)^{76}\text{Se}$			$\sigma(E)$	
1156	ORL P ORNL-5025	98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{63}\text{Cu}(^{16}\text{O},3p)^{77}\text{Br}$			$\sigma(E)$	
1157	ORL P ORNL-5025	98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{63}\text{Cu}(^{16}\text{O},\alpha)^{76}\text{Br}$			$\sigma(E)$	
1158	ORL P ORNL-5025	98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{65}\text{Cu}(^{16}\text{O},x)^{77}\text{Br}$			$\sigma(\text{E})$	
1159 ORL P ORNL-5025	98	75	3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{65}\text{Cu}(^{16}\text{O},x)^{78}\text{Br}$			$\sigma(\text{E})$	
1160 ORL P ORNL-5025	98	75	3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{65}\text{Cu}(^{16}\text{O},x)^{79}\text{Br}$			$\sigma(\text{E})$	
1161 ORL P ORNL-5025	98	75	3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	REL
	$^{65}\text{Cu}(^{16}\text{O},2p)^{78}\text{Kr}$			$\sigma(\text{E})$	
1162 ORL P ORNL-5025	98	75	3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{65}\text{Cu}(^{16}\text{O},x)^{79}\text{Kr}$			$\sigma(\text{E})$	
1163 ORL P ORNL-5025	98	75	3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{65}\text{Cu}(^{16}\text{O},3n)^{74}\text{Rb}$			$\sigma(\text{E})$	
1164 ORL P ORNL-5025	98	75	3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{65}\text{Cu}(^{16}\text{O},2n)^{79}\text{Rb}$			$\sigma(\text{E})$	
1165 ORL P ORNL-5025	98	75	3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{66}\text{Zn}(^{16}\text{O},xn)$			$\sigma(\text{E})$	
1166 ORL J PR/C 14	2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	$^{66}\text{Zn}(^{16}\text{O},xn)$			$\sigma(\text{E})$	
1167 ORL J PR/C 14	2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	$^{67}\text{Zn}(^{16}\text{O},xn)$			$\sigma(\text{E})$	
1168 ORL J PR/C 14	2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	$^{68}\text{Zn}(^{16}\text{O},xn)$			$\sigma(\text{E})$	
1169 ORL J PR/C 14	2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	$^{70}\text{Zn}(^{16}\text{O},xn)$			$\sigma(\text{E})$	
1170 ORL J PR/C 14	2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	$^{106}\text{Cd}(^{16}\text{O},n2p)^{119}\text{Xe}$			$\sigma(\text{E})$	
1171 HEI J ZP/A 276	403	76	5.3+1 6.6+1	CONRAD+ CURV.	IND/EMM G REL
	$^{106}\text{Cd}(^{16}\text{O},2p)^{120}\text{Xe}$			$\sigma(\text{E})$	
1172 HEI J ZP/A 276	403	76	5.3+1 6.6+1	CONRAD+ CURV.	IND/EMM G REL
	$^{106}\text{Cd}(^{16}\text{O},n)^{121}\text{Ba}$			$\sigma(\text{E})$	
1173 HEI J ZP/A 276	403	76	5.3+1 6.6+1	CONRAD+ CURV.	IND/EMM G REL
	$^{106}\text{Cd}(^{16}\text{O},\gamma)^{122}\text{Ba}$			$\sigma(\text{E})$	
1174 HEI J ZP/A 276	403	76	5.3+1 6.6+1	CONRAD+ CURV.	IND/EMM REL
	$^{108}\text{Cd}(^{16}\text{O},3n)^{121}\text{Ba}$			$\sigma(\text{E})$	
1175 HEI J ZP/A 276	403	76	5.3+1 6.6+1	CONRAD+ CURV.	IND/EMM G REL
	$^{108}\text{Cd}(^{16}\text{O},2n)^{122}\text{Ba}$			$\sigma(\text{E})$	
1176 HEI J ZP/A 276	403	76	5.3+1 6.6+1	CONRAD+ CURV.	IND/EMM G REL
	$^{108}\text{Cd}(^{16}\text{O},n)^{123}\text{Ba}$			$\sigma(\text{E})$	
1177 HEI J ZP/A 276	403	76	5.3+1 6.6+1	CONRAD+ CURV.	IND/EMM G REL
	$^{108}\text{Cd}(^{16}\text{O},\gamma)^{124}\text{Ba}$			$\sigma(\text{E})$	
1178 HEI J ZP/A 276	403	76	5.3+1 6.6+1	CONRAD+ CURV.	IND/EMM REL
	$^{110}\text{Cd}(^{16}\text{O},3n)^{123}\text{Ba}$			$\sigma(\text{E})$	
1179 HEI J ZP/A 276	403	76	5.3+1 6.6+1	CONRAD+ CURV.	IND/EMM G REL
	$^{110}\text{Cd}(^{16}\text{O},2n)^{124}\text{Ba}$			$\sigma(\text{E})$	
1180 HEI J ZP/A 276	403	76	5.3+1 6.6+1	CONRAD+ CURV.	IND/EMM G REL
	$^{122}\text{Sn}(^{16}\text{O},\text{absorption})$			$\sigma(\text{E})$	
1181 MUU J ZP/A 278	241	76	7.4+1	SPIELER+ 990MB CALC. FROM OPTICAL MODEL	
	$^{122}\text{Sn}(^{16}\text{O},^{16}\text{O})^{120}\text{Sn}$			$\sigma(\text{E})$	
1182 MUU J ZP/A 278	241	76	7.4+1	SPIELER+ (9+-2.1)MB	

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{122}\text{Sn}(^{140},^{170})^{121}\text{Sn}$ $\sigma(\text{E})$				
1183	MUU J ZP/A 278 241	76	7.4+1	SPIELER+ (23+-5)MB	
	$^{122}\text{Sn}(^{140}, \text{inelastic})^{122}\text{Sn}$ $\sigma(\text{E})$				
1184	MUU J ZP/A 278 241	76	7.4+1	SPIELER+ 106MB TO SN-122(2+)	PAR
	$^{122}\text{Sn}(^{140},^{150})^{123}\text{Sn}$ $\sigma(\text{E})$				
1185	MUU J ZP/A 278 241	76	7.4+1	SPIELER+ (0.7+-0.3)MB	
	$^{122}\text{Sn}(^{140},^{17}\text{N})^{121}\text{Sb}$ $\sigma(\text{E})$				
1186	MUU J ZP/A 278 241	76	7.4+1	SPIELER+ (0.7+-0.3)MB	
	$^{122}\text{Sn}(^{140},^{16}\text{N})^{122}\text{Sb}$ $\sigma(\text{E})$				
1187	MUU J ZP/A 278 241	76	7.4+1	SPIELER+ (1.5+-0.6)MB	
	$^{122}\text{Sn}(^{140},^{15}\text{N})^{123}\text{Sb}$ $\sigma(\text{E})$				
1188	MUU J ZP/A 278 241	76	7.4+1	SPIELER+ (40+-9)MB	
	$^{122}\text{Sn}(^{140},^{14}\text{N})^{124}\text{Sb}$ $\sigma(\text{E})$				
1189	MUU J ZP/A 278 241	76	7.4+1	SPIELER+ (3.5+-1.7)MB	
	$^{122}\text{Sn}(^{140},^{13}\text{C})^{123}\text{Te}$ $\sigma(\text{E})$				
1190	MUU J ZP/A 278 241	76	7.4+1	SPIELER+ (0.7+-0.3)MB	
	$^{122}\text{Sn}(^{140},^{14}\text{C})^{124}\text{Te}$ $\sigma(\text{E})$				
1191	MUU J ZP/A 278 241	76	7.4+1	SPIELER+ (25+-6)MB	
	$^{122}\text{Sn}(^{140},^{13}\text{C})^{123}\text{Te}$ $\sigma(\text{E})$				
1192	MUU J ZP/A 278 241	76	7.4+1	SPIELER+ (12+-4)MB	
	$^{122}\text{Sn}(^{140},^{12}\text{C})^{124}\text{Te}$ $\sigma(\text{E})$				
1193	MUU J ZP/A 278 241	76	7.4+1	SPIELER+ (12+-4)MB	
	$^{122}\text{Sn}(^{140},^{11}\text{B})^{127}\text{I}$ $\sigma(\text{E})$				
1194	MUU J ZP/A 278 241	76	7.4+1	SPIELER+ (0.7+-0.3)MB	
	$^{142}\text{Nd}(^{140},5\text{n})^{153}\text{Er}$ $\sigma(\text{E})$				
1195	PAR J JPRL 36 Z89 D75	8.6+1	1.2+2	CABOT+ CURV.	FCT
	$^{148}\text{Nd}(^{140},\text{x})$ $\sigma(\text{E})$				
1196	NBT J NP/A 266 262	76	7.2+1	DESCHLER+ CURV. A=144-154. INT. ANG DIS	PRD
	$^{181}\text{Ta}(^{140},2\text{n})$ $\sigma(\text{E})$				
1197	PAR T CLAUDE ROULET	475	9.1+1	1.1+2 ROULET+ CURV. CALCULATED.	
	$^{181}\text{Ta}(^{140},3\text{n})$ $\sigma(\text{E})$				
1198	PAR T CLAUDE ROULET	475	8.8+1	1.4+2 ROULET+ CURV. CALCULATED.	
	$^{181}\text{Ta}(^{140},4\text{n})$ $\sigma(\text{E})$				
1199	PAR T CLAUDE ROULET	475	9.0+1	1.6+2 ROULET+ CURV. CALCULATED.	
	$^{181}\text{Ta}(^{140},5\text{n})$ $\sigma(\text{E})$				
1200	PAR T CLAUDE ROULET	475	9.3+1	1.8+2 ROULET+ CURV. CALCULATED.	
	$^{181}\text{Ta}(^{140}, \text{total})$ $\sigma(\text{E})$				
1201	PAR T CLAUDE ROULET	475	8.8+1	1.2+2 ROULET+ CURV. CALCULATED.	
	$^{244}\text{Cm}(^{140},2\text{n})^{260}\text{Ku}$ $\sigma(\text{E})$				
1202	DUB J YF 24 254	76	8.5+1	1.1+2 DRUIN+ CURV.	REL
	$^{12}\text{C}(^{17}\text{O}, \text{fusion})^{29}\text{Si}$ $\sigma(\text{E})$				
1203	HZ1 J PR/C 13 1527	76	1.7+1	3.4+1 EYAL+ TBL. DEDUCED FROM EVAPOR. RESIDUE	
	$^{18}\text{O}(^{17}\text{O},^{18}\text{O})^{19}\text{O}$ thick target yield				
1204	MAN J NP/A 169 443	76	1.4+1	1.6+1 DURELL+ CURV. MEAS. BETA-DELAYED 1.36G	FCT
	$^{12}\text{C}(^{18}\text{O}, \text{fusion})^{30}\text{Si}$ $\sigma(\text{E})$				
1205	HZ1 J PR/C 13 1527	76	1.8+1	3.5+1 EYAL+ TBL. DEDUCED FROM EVAPOR. RESIDUE	
	$^{15}\text{C}(^{18}\text{O},^{12}\text{C})^{19}\text{O}$ thick target yield				
1206	MAN J NP/A 169 443	76	1.3+1	1.5+1 DURELL+ CURV. MEAS. BETA-DELAYED 1.36G	FCT

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	⁵⁸ Ni(¹⁸ O,xn) σ(E)				
1207 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶⁰ Ni(¹⁸ O,xn) σ(E)				
1208 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶¹ Ni(¹⁸ O,xn) σ(E)				
1209 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶² Ni(¹⁸ O,xn) σ(E)				
1210 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶⁴ Ni(¹⁸ O,xn) σ(E)				
1211 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶³ Cu(¹⁸ O,xn) σ(E)				
1212 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶³ Cu(¹⁸ O,absorption) σ(E)				
1213 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. FROM N YLD. + N/REACTIO	
	⁶⁵ Cu(¹⁸ O,xn) σ(E)				
1214 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶⁶ Zn(¹⁸ O,xn) σ(E)				
1215 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶⁶ Zn(¹⁸ O,xn) σ(E)				
1216 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶⁷ Zn(¹⁸ O,xn) σ(E)				
1217 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶⁸ Zn(¹⁸ O,xn) σ(E)				
1218 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁷⁰ Zn(¹⁸ O,xn) σ(E)				
1219 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	¹²⁰ Sn(¹⁸ O,absorption) σ(E)				
1220 MUU J 2P/A	278 241	76	7.2+1	SPIELER+ 980MB CALC. FROM OPTICAL MODEL	
	¹²⁰ Sn(¹⁸ O,inelastic) ¹⁸ O σ(E)				
1221 MUU J 2P/A	278 241	76	7.2+1	SPIELER+ 51MB TO 0-18(2+)	PAR
	¹²⁰ Sn(¹⁸ O, ¹⁹ F) ¹¹⁹ In σ(E)				
1222 MUU J 2P/A	278 241	76	7.2+1	SPIELER+ (0.6+-0.23)MB	
	¹²⁰ Sn(¹⁸ O,inelastic) ¹²⁰ Sn σ(E)				
1223 MUU J 2P/A	278 241	76	7.2+1	SPIELER+ 117MB TO SN-120(2+)	PAR
	¹²⁰ Sn(¹⁸ O, ¹⁷ O) ¹²¹ Sn σ(E)				
1224 MUU J 2P/A	278 241	76	7.2+1	SPIELER+ (30+-7)MB	
	¹²⁰ Sn(¹⁸ O, ¹⁶ O) ¹²² Sn σ(E)				
1225 MUU J 2P/A	278 241	76	7.2+1	SPIELER+ (20+-4)MB	
	¹²⁰ Sn(¹⁸ O, ²⁰ O) ¹²⁴ Sn σ(E)				
1226 MUU J 2P/A	278 241	76	7.2+1	SPIELER+ (2.0+-0.4)MB	
	¹²⁰ Sn(¹⁸ O, ¹⁹ O) ¹²⁹ Sn σ(E)				
1227 MUU J 2P/A	278 241	76	7.2+1	SPIELER+ (11+-2.4)MB	
	¹²⁰ Sn(¹⁸ O, ¹⁷ N) ¹²¹ Sb σ(E)				
1228 MUU J 2P/A	278 241	76	7.2+1	SPIELER+ (4.5+-1.0)MB	
	¹²⁰ Sn(¹⁸ O, ¹⁶ N) ¹²² Sb σ(E)				
1229 MUU J 2P/A	278 241	76	7.2+1	SPIELER+ (1.7+-0.5)MB	
	¹²⁰ Sn(¹⁸ O, ¹⁵ N) ¹²³ Sb σ(E)				
1230 MUU J 2P/A	278 241	76	7.2+1	SPIELER+ (9.3+-2.1)MB	

EXPERIMENTAL REFERENCES(cont)

No.	Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
		$^{120}\text{Sn}(^{18}\text{O},^{16}\text{C})^{122}\text{Te}$ $\sigma(\text{E})$				
1231	UUU J	2P/A 278 241	76	7.2+1	SPIELER+ (0.4+-0.13)MB	
		$^{120}\text{Sn}(^{18}\text{O},^{15}\text{C})^{123}\text{Te}$ $\sigma(\text{E})$				
1232	UUU J	2P/A 278 241	76	7.2+1	SPIELER+ (1.3+-0.3)MB	
		$^{120}\text{Sn}(^{18}\text{O},^{14}\text{C})^{124}\text{Te}$ $\sigma(\text{E})$				
1233	UUU J	2P/A 278 2-1	76	7.2+1	SPIELER+ (27+-7)MB	
		$^{120}\text{Sn}(^{18}\text{O},^{13}\text{C})^{125}\text{Te}$ $\sigma(\text{E})$				
1234	UUU J	2P/A 278 241	76	7.2+1	SPIELER+ (7.1+-2.1)MB	
		$^{120}\text{Sn}(^{18}\text{O},^{12}\text{C})^{126}\text{Te}$ $\sigma(\text{E})$				
1235	UUU J	2P/A 278 241	76	7.2+1	SPIELER+ (2.3+-0.7)MB	
		$^{144}\text{Nd}(^{18}\text{O},\text{x})$ $\sigma(\text{E})$				
1236	NBI J	NP/A 266 262	76	7.2+1	OESCHLER+ CURV. A=144-154. INT. ANG DIS	PRO
		$^{248}\text{Cm}(^{18}\text{O},\text{x})^{259}\text{No}$ $\sigma(\text{E})$				
1237	DRL J	NP/A 214 97	73	8.0+1	1.1-2 SILVA+ CURV. MEASURED ALPHAS. T1/2=58M	CUM REL
		4 EXFORB0004.002	76	8.0+1	1.1+2 . 5 ENTRIES. PEAK SIGMA=20NB AT 93MEV	CUM REL
		$^{248}\text{Cm}(^{18}\text{O},5\text{n})^{261}\text{Ku}$ $\sigma(\text{E})$				
1248	DRL J	NP/A 216 97	73	8.9+1	1.1+2 SILVA+ CURV. MEASURED ALPHAS.	REL
		4 EXFORB0004.003	76	8.0+1	1.1+2 . 4 ENTRIES.	REL
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{37}\text{Cl}$ $\sigma(\text{E})$				
1239	BNL J	PR/C 13 1180	76	4.0+1	POLETTI+ ASSUMED NO DIRECT FEEDING.	G REL
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{37}\text{Ar}$ $\sigma(\text{E})$				
1240	BNL J	PR/C 13 1180	76	4.0+1	POLETTI+ ASSUMED NO DIRECT FEEDING.	G REL
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{38}\text{Ar}$ $\sigma(\text{E})$				
1241	BNL J	PR/C 13 1180	76	4.0+1	POLETTI+ ASSUMED NO DIRECT FEEDING.	G REL
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{40}\text{Ar}$ $\sigma(\text{E})$				
1242	BNL J	PR/C 13 1180	76	4.0+1	POLETTI+ ASSUMED NO DIRECT FEEDING.	G REL
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{40}\text{K}$ $\sigma(\text{E})$				
1243	BNL J	PR/C 13 1180	76	4.0+1	POLETTI+ ASSUMED NO DIRECT FEEDING.	G REL
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{41}\text{K}$ $\sigma(\text{E})$				
1244	BNL J	PR/C 13 1180	76	4.0+1	POLETTI+ ASSUMED NO DIRECT FEEDING.	G REL
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{42}\text{K}$ $\sigma(\text{E})$				
1245	BNL J	PR/C 13 1180	76	4.0+1	POLETTI+ ASSUMED NO DIRECT FEEDING.	G REL
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{40}\text{Ca}$ $\sigma(\text{E})$				
1246	BNL J	PR/C 13 1180	76	4.0+1	POLETTI+ ASSUMED NO DIRECT FEEDING.	G REL
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{41}\text{Ca}$ $\sigma(\text{E})$				
1247	BNL J	PR/C 13 1180	76	4.0+1	POLETTI+ ASSUMED NO DIRECT FEEDING.	G REL
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{42}\text{Ca}$ $\sigma(\text{E})$				
1248	BNL J	PR/C 13 1180	76	4.0+1	POLETTI+ ASSUMED NO DIRECT FEEDING.	G REL
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{43}\text{Ca}$ $\sigma(\text{E})$				
1249	BNL J	PR/C 13 1180	76	4.0+1	POLETTI+ ASSUMED NO DIRECT FEEDING.	G REL
		$^{27}\text{Al}(^{19}\text{F},2\text{p})^{44}\text{Ca}$ $\sigma(\text{E})$				
1250	BNL J	PR/C 13 1180	76	4.0+1	POLETTI+ ASSUMED NO DIRECT FEEDING.	G REL
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{43}\text{Sc}$ $\sigma(\text{E})$				
1251	BNL J	PR/C 13 1180	76	4.0+1	POLETTI+ ASSUMED NO DIRECT FEEDING.	G REL
		$^{27}\text{Al}(^{19}\text{F},\text{x})^{44}\text{Sc}$ $\sigma(\text{E})$				
1252	BNL J	PR/C 13 1180	76	4.0+1	POLETTI+ ASSUMED NO DIRECT FEEDING.	G REL
		$^{27}\text{Al}(^{19}\text{F},\text{p})^{45}\text{Sc}$ $\sigma(\text{E})$				
1253	BNL J	PR/C 13 1180	76	4.0+1	POLETTI+ ASSUMED NO DIRECT FEEDING.	G REL

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	²⁷ Al(¹⁹ F,Zn) ⁴⁴ Ti σ(E)				
1254 BNL J PR/C 13		1180	76 4.0+1	POLETTI+ ASSUMED NO DIRECT FEEDING.	G REL
	¹⁰⁰ (³² S,pa) ⁴³ Sc σ(E)				
1255 MUN J ZP/A 277		117	76 6.5+1	IMAZATO. TBL. ARBITRARY UNITS = 1.	REL
J ZP/A 277		117	76 8.5+1	IMAZATO. TBL. ARBITRARY UNITS = 1.	REL
	¹⁰⁰ (³² S,n3p) ⁴⁴ Sc σ(E)				
1256 MUN J ZP/A 277		117	76 6.5+1	IMAZATO. TBL. NORMALIZED TO Z1-SC-43	REL
J ZP/A 277		117	76 8.5+1	IMAZATO. TBL. NORMALIZED TO Z1-SC-43	REL
	¹⁰⁰ (³² S,n2p) ⁴³ Ti σ(E)				
1257 MUN J ZP/A 277		117	76 6.5+1	IMAZATO. TBL. NORMALIZED TO Z1-SC-43	REL
J ZP/A 277		117	76 8.5+1	IMAZATO. TBL. NORMALIZED TO Z1-SC-43	REL
	¹⁰⁰ (³² S,x) ⁴⁴ V σ(E)				
1258 MUN J ZP/A 277		117	76 6.5+1	IMAZATO. TBL. NORMALIZED TO Z1-SC-43	CUM REL
J ZP/A 277		117	76 8.5+1	IMAZATO. TBL. NORMALIZED TO Z1-SC-43	CUM REL
	¹⁰⁰ (³² S,γ) ⁴⁸ Cr σ(E)				
1259 MUN J ZP/A 277		117	76 6.5+1	IMAZATO. TBL. NORMALIZED TO Z1-SC-43	REL
J ZP/A 277		117	76 8.5+1	IMAZATO. TBL. NORMALIZED TO Z1-SC-43	REL
	²⁴ Hg(³² S,fusion) product yield				
1260 BNL A BAP 21		66	177 1.0+2 1.8+2	KNOVAR+ NDG.	
	⁷⁰ Ge(³² S,x) ⁹⁹ Pd σ(E)				
1261 BNL J PR/C 15		287	176 1.1+2 1.4+2	PIEL+ TBL. AT 130,120. COMP TO C12+2R91	REL
	⁶² Ni(³⁵ Cl,x) σ(E)				
1262 ROC J PR/C 14		1808	N76 9.2+1 1.7+2	SCOBEL+ TBL. EVAPORATION RESIDUE.	PAR
J PR/C 11		1701	575 9.1+1 1.7+2	SCOBEL+ CURV. EVAPORATION RESIDUE	PAR
	²⁷ Al(³⁵ Cl,fusion) σ(E)				
1263 ROC J PR/C 14		1808	N76 7.0+1 1.7+2	SCOBEL+ CURV. SUM OF EVAP. RES. + FISS.	
	²⁷ Al(³⁵ Cl,x) σ(E)				
1264 ROC J PR/C 14		1808	N76 7.0+1 1.7+2	SCOBEL+ TBL. EVAPORATION RESIDUE.	PAR
	⁴⁸ Ti(³⁵ Cl,fission) σ(E)				
1265 ROC J PR/C 14		1808	N76 1.6+2	SCOBEL+ (60+-30)MB. INT. E,MASS,ANGLE	
	⁴⁸ Ti(³⁵ Cl,fusion) σ(E)				
1266 ROC J PR/C 14		1808	N76 9.7+1 1.6+2	SCOBEL+ CURV. SUM OF EVAP. RES. + FISS.	
	⁴⁸ Ti(³⁵ Cl,x) σ(E)				
1267 ROC J PR/C 14		1808	N76 9.7+1 1.6+2	SCOBEL+ TBL. EVAPORATION RESIDUE.	PAR
	⁵⁴ Fe(³⁵ Cl,fission) σ(E)				
1268 ROC J PR/C 14		1808	N76 1.6+2	SCOBEL+ .LT. 50MB. INT. E,MASS,ANGLE	
	⁵⁴ Fe(³⁵ Cl,x) σ(E)				
1269 ROC J PR/C 14		1808	N76 1.5+2	SCOBEL+ (815+-41)MB. EVAP. RESIDUE.	PAR
J PR/C 14		1808	N76 1.6+2	SCOBEL+ (934+-47)MB. EVAP. RESIDUE.	PAR
	⁵⁶ Fe(³⁵ Cl,fission) σ(E)				
1270 ROC J PR/C 14		1808	N76 1.6+2	SCOBEL+ .LT. 50MB. INT. E,MASS,ANGLE	
	⁵⁶ Fe(³⁵ Cl,x) σ(E)				
1271 ROC J PR/C 14		1808	N76 1.0+2 1.6+2	SCOBEL+ TBL. EVAPORATION RESIDUE	PAR
	⁵⁸ Ni(³⁵ Cl,absorption) σ(E)				
1272 ROC J PR/C 14		1808	N76 1.0+2	SCOBEL+ 83MB FROM OM ANALYSIS.	
	⁵⁸ Ni(³⁵ Cl,fusion) σ(E)				
1273 ROC J PR/C 14		1808	N76 9.6+1 1.4+2	SCOBEL+ CURV. SUM OF EVAP. RES. + FISS.	
	⁵⁸ Ni(³⁵ Cl,x) σ(E)				
1274 ROC J PR/C 14		1808	N76 9.6+1 1.4+2	SCOBEL+ TBL. EVAPORATION RESIDUE.	PAR
J PR/C 11		1701	575 9.1+1 1.7+2	SCOBEL+ CURV. EVAPORATION RESIDUE	PAR

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	Emin (MeV)	Emax (MeV)	Author, Comments	Branch, Particle and Modifier
	⁶⁰ Ni(³⁵ Cl,fusion) σ(E)				
1275	ROC J PR/C 14 1808 N76 8.4+1 1.3+2			SCOBEL+ CURV. SUM OF EVAP. RES. + FISS.	
	⁶⁰ Ni(³⁵ Cl,x) σ(E)				
1276	ROC J PR/C 14 1808 N76 9.4+1 1.3+2			SCOBEL+ TBL. EVAPORATION RESIDUE.	PAR
	J PR/C 11 1701 S75 9.1+1 1.7+2			SCOBEL+ CURV. EVAPORATION RESIDUE	PAR
	⁶² Ni(³⁵ Cl,absorption) σ(E)				
1277	ROC J PR/C 14 1808 N76 1.0+2			SCOBEL+ 182MB FROM OM ANALYSIS.	
	⁶² Ni(³⁵ Cl,fission) σ(E)				
1278	ROC J PR/C 14 1808 N76 1.6+2 1.7+2			SCOBEL+ TBL. INT. OVER E,MASS,ANGLE	
	⁶² Ni(³⁵ Cl,fusion) σ(E)				
1279	ROC J PR/C 14 1808 N76 9.2+1 1.7+2			SCOBEL+ CURV. SUM OF EVAP. RES. + FISS.	
	J PR/C 11 1701 S75 9.1+1 1.7+2			SCOBEL+ CURV. FROM EVAPORATION RESIDUE.	
	⁶² Ni(³⁵ Cl,x) σ(E)				
1280	ROC J PR/C 14 1808 N76 1.0+2			SCOBEL+ (23+-8)MB TOTAL TRANSFER SIGMA	PAR
	⁶⁴ Ni(³⁵ Cl,fusion) σ(E)				
1281	ROC J PR/C 14 1808 N76 9.0+1 1.3+2			SCOBEL+ CURV. SUM OF EVAP. RES. + FISS.	
	⁶⁴ Ni(³⁵ Cl,x) σ(E)				
1282	ROC J PR/C 14 1808 N76 9.0+1 1.3+2			SCOBEL+ TBL. EVAPORATION RESIDUE.	PAR
	J PR/C 11 1701 S75 9.1+1 1.7+2			SCOBEL+ CURV. EVAPORATION RESIDUE	PAR
	⁹⁰ Zr(³⁵ Cl,fusion) σ(E)				
1283	ROC J PR/C 14 1808 N76 1.2+2 1.6+2			SCOBEL+ CURV. SUM OF EVAP. RES. + FISS.	
	J PR/C 14 1808 N76 1.2+2 1.6+2			SCOBEL+ CURV. SUM OF EVAP. RES. + FISS.	
	¹¹⁶ Sn(³⁵ Cl,fission) σ(E)				
1284	ROC J PR/C 14 1808 N76 1.6+2			SCOBEL+ (40+-15)MB. INT. E,MASS,ANG	
	J PR/C 14 1808 N76 1.7+2			SCOBEL+ (135+-45)MB. INT. E,MASS,ANG	
	¹¹⁶ Sn(³⁵ Cl,fusion) σ(E)				
1285	ROC J PR/C 14 1808 N76 1.4+2 1.7+2			SCOBEL+ CURV. SUM OF EVAP. RES. + FISS.	
	¹¹⁶ Sn(³⁵ Cl,x) σ(E)				
1286	ROC J PR/C 14 1808 N76 1.4+2 1.7+2			SCOBEL+ TBL. EVAPORATION RESIDUE.	PAR
	¹²⁴ Sn(³⁵ Cl,fission) σ(E)				
1287	ROC J PR/C 14 1808 N76 1.7+2			SCOBEL+ (60+-20)MB. INT. E,MASS,ANG	
	¹²⁴ Sn(³⁵ Cl,fusion) σ(E)				
1288	ROC J PR/C 14 1808 N76 1.4+2 1.7+2			SCOBEL+ CURV. SUM OF EVAP. RES. + FISS.	
	¹²⁴ Sn(³⁵ Cl,x) σ(E)				
1289	ROC J PR/C 14 1808 N76 1.4+2 1.7+2			SCOBEL+ TBL. EVAPORATION RESIDUE.	PAR
	¹¹⁸ Sn(⁴⁰ Ar,6np) ¹⁵¹ Ho σ(E)				
1290	PAR J NP/A 223 103 74 1.5+2 2.8+2			GAUVIN+ CURV. HIGH+LOW SPIN ISOMERS.	M+/PAR
	4 EXFORB0015.007 76 2.0+2 2.6+2			. 7 ENTRIES.	M+/PAR
	¹¹⁸ Sn(⁴⁰ Ar,5np) ¹⁵² Ho σ(E)				
1291	PAR J NP/A 223 103 74 1.5+2 2.8+2			GAUVIN+ CURV. HIGH+LOW SPIN ISOMERS.	M+/PAR
	4 EXFORB0015.006 76 1.7+2 2.5+2			. 9 ENTRIES.	M+/PAR
	¹¹⁸ Sn(⁴⁰ Ar,6n) ¹⁵² Er σ(E)				
1292	PAR J NP/A 223 103 74 1.5+2 2.8+2			GAUVIN+ CURV. MEAS. DLYD. A'S.	
	4 EXFORB0015.003 76 NDG			. NDG. SEE B0036.010.	
	¹¹⁸ Sn(⁴⁰ Ar,5n) ¹⁵³ Er σ(E)				
1293	PAR J JPRL 36 289 075 1.6+2 2.4+2			CABOT+ CURV.	FCT
1294	PAR J NP/A 223 103 74 1.5+2 2.8+2			GAUVIN+ CURV. MEAS. DLYD. A'S.	
	4 EXFORB0015.002 76 NDG			. NDG. SEE B0036.009.	
	¹²¹ Sb(⁴⁰ Ar,8n2p) ¹⁵¹ Ho σ(E)				
1295	PAR J NP/A 223 103 74 1.5+2 2.8+2			GAUVIN+ CURV. HIGH+LOW SPIN ISOMERS.	M+/PAR
	4 EXFORB0015.011 76 2.3+2 2.9+2			. 5 ENTRIES.	M+/PAR

EXPERIMENTAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{121}\text{Sb}(^{40}\text{Ar}, 7n2p)^{132}\text{Ho}$		$\sigma(E)$		
1296	PAR J NP/A 223 103 4 EXFORB0015.010	74	1.5+2 2.8+2	GAUVIN+ CURV. HIGH+LOW SPIN ISOMERS.	M+/PAR
		76	2.3+2 2.9+2	. 6 ENTRIES.	M+/PAR
	$^{121}\text{Sb}(^{40}\text{Ar}, 8np)^{132}\text{Er}$		$\sigma(E)$		
1297	PAR 4 EXFORB0015.009	76	2.4+2 2.9+2	. 5 ENTRIES.	
	$^{121}\text{Sb}(^{40}\text{Ar}, 7np)^{133}\text{Er}$		$\sigma(E)$		
1298	PAR J NP/A 223 103 4 EXFORB0015.008	74	1.5+2 2.8+2	GAUVIN+ CURV. MEAS. DLYD. A'S.	
		76	2.3+2 2.9+2	. 5 ENTRIES.	
	$^{121}\text{Sb}(^{40}\text{Ar}, 8n)^{133}\text{Tm}$		$\sigma(E)$		
1299	PAR J NP/A 223 103 4 EXFORB0015.005	74	1.5+2 2.8+2	GAUVIN+ CURV. MEAS. DLYD. A'S.	
		76	2.3+2 2.5+2	. 3 ENTRIES.	
	$^{121}\text{Sb}(^{40}\text{Ar}, 7n)^{134}\text{Tm}$		$\sigma(E)$		
1300	PAR J NP/A 223 103 4 EXFORB0015.004	74	1.5+2 2.8+2	GAUVIN+ CURV. HIGH SPIN ISOMER.	PAR
		76	2.0+2 2.5+2	. 4 ENTRIES.	PAR
	$^{127}\text{I}(^{40}\text{Ar}, 12n2p)^{133}\text{Tm}$		$\sigma(E)$		
1301	PAR J NP/A 223 103 4 EXFORB0015.013	74	1.5+2 2.8+2	GAUVIN+ CURV. MEASURED DLYD A'S.	
		76	2.7+2 3.0+2	. 3 ENTRIES.	
	$^{127}\text{I}(^{40}\text{Ar}, 11n2p)^{134}\text{Tm}$		$\sigma(E)$		
1302	PAR J NP/A 223 103 4 EXFORB0015.012	74	1.5+2 2.8+2	GAUVIN+ CURV. MEASURED DLYD A'S.	PAR
		76	2.6+2 3.0+2	. 4 ENTRIES.	PAR
	$^{127}\text{I}(^{40}\text{Ar}, 11np)^{133}\text{Yb}$		$\sigma(E)$		
1303	PAR J NP/A 223 103	74	1.5+2 2.8+2	GAUVIN+ CURV. ESTIMATED.	
	$^{127}\text{I}(^{40}\text{Ar}, 10np)^{136}\text{Yb}$		$\sigma(E)$		
1304	PAR J NP/A 223 103	74	1.5+2 2.8+2	GAUVIN+ CURV. ESTIMATED.	
	$^{127}\text{I}(^{40}\text{Ar}, 11n)^{136}\text{Lu}$		$\sigma(E)$		
1305	PAR J NP/A 223 103	74	1.5+2 2.8+2	GAUVIN+ CURV. ESTIMATED.	
	Systematics($^{40}\text{Ar}, xn$)		$\sigma(E)$		
1306	PAR J NP/A 223 10	74	1.5+2 2.8+2	GAUVIN+ CURV. FROM 118SN, 121SB, 127I	
	Systematics($^{40}\text{Ar}, fission$)		$\sigma(E)$		
1307	PAR J NP/A 223 103	74	1.5+2 2.8+2	GAUVIN+ CURV. FROM 118SN, 121SB, 127I	
	Systematics($^{40}\text{Ar}, fusion$)		$\sigma(E)$		
1308	PAR J NP/A 223 103	74	1.5+2 2.8+2	GAUVIN+ CURV. FROM 118SN, 121SB, 127I	
	Systematics($^{40}\text{Ar}, total$)		$\sigma(E)$		
1309	PAR J NP/A 223 103	74	1.5+2 2.8+2	GAUVIN+ CURV. FROM 118SN, 121SB, 127I	
	Systematics($^{40}\text{Ar}, xnp$)		$\sigma(E)$		
1310	PAR J NP/A 223 103	74	1.5+2 2.8+2	GAUVIN+ CURV. FROM 118SN, 121SB, 127I	
	Systematics($^{40}\text{Ar}, xn2p$)		$\sigma(E)$		
1311	PAR J NP/A 223 103	74	1.5+2 2.8+2	GAUVIN+ CURV. FROM 118SN, 121SB, 127I	
	Systematics($^{40}\text{Ar}, xn3p$)		$\sigma(E)$		
1312	PAR J NP/A 223 103	74	1.5+2 2.8+2	GAUVIN+ CURV. FROM 118SN, 121SB, 127I	
	$^{206}\text{Pb}(^{48}\text{Ca}, 2n)^{252}\text{No}$		$\sigma(E)$		
1313	DUB J AE 40 440 576 NDG J SJA 40 528 N76 NDG			PLEVE. PRELIMINARY TEST. 5E-31 CM2. .TRANSLATION OF AE 40,440(MAY,76)	
	$^{207}\text{Pb}(^{48}\text{Ca}, 3n)^{252}\text{No}$		$\sigma(E)$		
1314	DUB J AE 40 440 576 NDG J SJA 40 528 N76 NDG			PLEVE. PRELIMINARY TEST. 1.2E-31 CM2. .TRANSLATION OF AE 40,440(MAY,76)	
	$^{208}\text{Pb}(^{48}\text{Ca}, 4n)^{252}\text{No}$		$\sigma(E)$		
1315	DUB J AE 40 440 576 NDG J SJA 40 528 N76 NDG			PLEVE. PRELIMINARY TEST. 0.2E-31 CM2. .TRANSLATION OF AE 40,440(MAY,76)	
	$^{74}\text{Ge}(^{84}\text{Kr}, 5n)^{133}\text{Er}$		$\sigma(E)$		
1316	PAR J JPHL 36 289 D75 3.2+2 4.5+2			CABOT+ CURV.	FCT

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
					¹ H σ(E)	
¹ H	d	2.7+1			IKO WIELINGA+	376
⁶ Li	p	2.9+1			MNA BONBRIGHT+	8
					² H σ(E)	
⁶ Li	p	2.9+1			MNA BONBRIGHT+	9
					³ He σ(E)	
⁶ Li	p	1.0+0	2.6+0	SHI CHIA-SHOU+		10
					⁴ He σ(E)	
⁷ Li	p	1.6+0	1.2+1	UPP SANDHU+		12
⁷ Li	d	1.9+0	2.1+0	IJI GRANTSEV+		383
¹² C	³ He	3.0+1		BRK PAPE+		477
					⁶ Li product yield	
⁹ Be	p	5.0-2	2.0-1	KFI SZENTPETERY.		20
					⁶ Li σ(E)	
⁹ Be	p	4.6+0	5.5+0	KTO YASUE+		21
⁹ Be	t	2.4+1		BER VAN-OERTZEN+		468
					⁷ Li σ(E)	
⁴ He	α	3.7+1	4.3+1	BRK SLOBODRIAN+		727
¹⁰ B	p	8.0-1	2.5+0	FLA GRIGGS+		26
					⁷ Li σ(E)	
⁴ He	α	3.7+1	4.3+1	BRK SLOBODRIAN+		728
					⁶ Li σ(E)	
⁷ Li	d	6.1-1	2.0+0	BYU SCHILLING+		384
¹⁰ B	d	8.0-1	4.0+0	FLA GRIGGS+		385
					⁷ Be σ(E)	
⁴ He	α	3.7+1	4.3+1	BRK SLOBODRIAN+		729
⁷ Li	p	+0	4.2+0	KTY SEKHARAN+		14
⁷ Li	d	3.1+0	4.9+0	KTY BRANDENBERGER+		13
⁷ Li	p	4.2+0	2.6+1	LRL POPPE+		15
⁷ Li	p	2.5+1	4.5+1	MSU SCHERY+		16
⁹ Be	p	1.5+1	5.2+1	TOK INOUE+		18
⁹ Be	p	4.0+0	5.2+1	TOK INOUE+		25
⁹ Be	p	1.1+1	5.2+1	TOK INOUE+		34
⁹ Be	p	2.8+1	5.2+1	TOK INOUE+		37
²⁷ Al	p	8.2+1	8.0+2	PUR HEYDEGGAR+		55
²⁷ Al	α	6.0+1	1.6+2	JUL PROBST+		742

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
					⁷ Be thick target yield	
²⁷ Al	α	3.8+1	1.6+2	JUL PROBST+		743
					⁸ Be product yield	
⁹ Be	p	5.0-2	2.0-1	KFI SZENTPETERY.		22
¹¹ B	p	5.0-2	2.0-1	KFI SZENTPETERY.		27
					⁸ Be σ(E)	
⁴ He	α	3.3+1	3.8+1	PTN GARVEY+		730
⁶ Li	d	6.8+0	7.1+0	STB NOE+		382
⁹ Be	³ He	1.8+0	3.0+0	KTO SAKANOTO+		472
¹² C	³ He	3.0+1		BRK PAPE+		478
					⁸ Be σ(E)	
⁶ Li	³ He	3.0+0	6.0+0	TNL GOULD+		471
¹² C	α	1.7+1	3.3+1	STR BROCHARD+		734
					⁹ Be σ(E)	
⁹ Be	α	4.0+0	6.0+0	KTO YASUE+		23
					¹⁰ B σ(E)	
¹⁰ B	α	4.0+0	9.0+0	FLA GRIGGS+		731
					¹⁰ C σ(E)	
⁹ Be	³ He	1.0+1	4.1+1	CLU MOSS+		473
					¹¹ C σ(E)	
¹⁰ B	³ He	1.2+0	4.6+0	ZUR GASS+		474
¹² C	d	2.0+3		SAC BANAGIS+		386
¹⁴ N	p	3.8+0	6.5+0	CAL INGALLS+		35
					¹¹ C thick target yield	
¹⁰ B	³ He	1.2+0	4.6+0	ZUR GASS.		475
					¹⁴ C σ(E)	
¹¹ B	α	1.4+0	2.9+0	CAL DAYRAS+		732
					¹³ N σ(E)	
¹² C	p	9.0+0	2.4+1	UBC BERGHOFER+		31
¹² C	p	1.8+1	2.3+1	UBC BERGHOFER+		32
					¹⁴ N σ(E)	
¹¹ C	α	NDG		CAL INGALLS+		733

ISOTOPE PRODUCTION--EXPERIMENTAL

ISOTOPE PRODUCTION--EXPERIMENTAL(cont)

Targt	Inc	Emin (MeV)	Emax (MeV)	Lab	Author	No.
¹⁷N $\sigma(E)$						
¹² C	t	1.0+0	3.4+0	STR SCHAEFFER+		469
¹⁴ N	d	0.0+0	DEB VALEK+			387
¹⁴ N	¹⁴ N	9.4+0	2.2+1	CAL SHITKONSKI+		1053
¹⁷O $\sigma(E)$						
¹⁴ N	p	2.0-1	2.6+0	YAL TRAUTVETTER+		36
¹⁶O $\sigma(E)$						
¹⁰⁸ Pb	¹⁰⁸ Pb	2.0+1	PEN AJZBERG-SELOVE+			949
¹² C	d	0.3+0	8.5+0	CBR OPHEL+		735
¹² C	d	0.3+0	8.5+0	CBR OPHEL+		736
¹³ C	d	7.0+1	1.0+0	AE RAMSTROM+		737
¹⁶O thick target yield						
¹³ C	d	6.0-1	1.2+0	AE RAMSTROM+		738
¹⁶O $\sigma(E)$						
¹² C	¹² C	3.5+1	6.9+1	MUU WEIDINGER+		983
¹⁷O $\sigma(E)$						
¹² C	¹² C	1.0+1	3.3+1	CAL DAYRAS+		1036
²⁴ Mg	²⁴ Mg	8.0+1	NRL SINGH+			483
²⁷ Al	²⁷ Al	8.0+1	NRL SINGH+			505
²⁷ Al	²⁷ Al	8.0+1	NRL SINGH+			530
¹⁷O $\sigma(E)$						
²⁴ Mg	²⁴ Mg	8.0+1	NRL SINGH+			484
²⁶ Mg	²⁶ Mg	8.0+1	NRL SINGH+			506
²⁷ Al	²⁷ Al	8.0+1	NRL SINGH+			531
¹²⁰ Sn	¹²⁰ Sn	7.2+1	MUU SPIELER+			1221
¹⁹O thick target yield						
¹³ C	¹³ C	1.3+1	1.5+1	MAN DURELL+		1206
¹⁸ O	¹⁸ O	1.4+1	1.6+1	MAN DURELL+		1204
¹⁷F product yield						
Zn	¹⁵⁰ MOG			IEA ROTBERG.		1067
¹⁷F $\sigma(E)$						
²⁴ Mg	²⁴ Mg	8.0+1	NRL SINGH+			485
²⁶ Mg	²⁶ Mg	8.0+1	NRL SINGH+			507
²⁷ Al	²⁷ Al	8.0+1	NRL SINGH+			532
¹⁸F $\sigma(E)$						
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		969
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		970
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		971
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		972
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		973
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		974
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		975
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		976
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		977
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		978
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		979
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		980
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		981
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		982
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		983
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		984
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		985
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		986
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		987
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		988
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		989
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		990
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		991
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		992
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		993
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		994
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		995
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		996
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		997
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		998
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		999
¹⁰⁸ Pb	¹⁰⁸ Pb	5.0+0	1.6+1	CAL DAYRAS+		1000

Figure 4

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
29Mg	3He	8.0-1		NRL SINGH+		512
	27Al	p	1.6-1	RIC WALTON+		512
	27Al	p	8.0-1	NRL SINGH+		537
	Si	p	2.9-1	4.0-1 RIC WALTON+		73
	Si		4.4-1	RIC WALTON+		73
20Ne α(E)						
12C	12C	6.5-0	1.1-1	YAL ERS+		9-6
21Ne α(E)						
10B	12C	5.0-0	1.6-1	CAL DAYRAS+		970
12C	12C	5.0-0	1.6-1	CAL DAYRAS+		1038
24Mg	p	1.2-1	4.5-1	RIC WALTON+		43
24Mg	3He	8.0-1		NRL SINGH+		491
27Al	p	8.0-1		NRL SINGH+		513
27Al	p	1.6-1	4.3-1	RIC WALTON+		57
27Al	p	8.0-1		NRL SINGH+		538
Si	p	1.8-1	4.4-1	RIC WALTON+		734
22Ne α(E)						
11B	12C	5.0-0	1.6-1	CAL DAYRAS+		975
Mg	p	1.2-1	4.5-1	RIC WALTON+		44
Mg	p	1.6-1	4.5-1	RIC WALTON+		44
24Mg	3He	8.0-1		NRL SINGH+		492
24Mg	3He	8.0-1		NRL SINGH+		492
27Al	p	1.6-1	4.2-1	RIC WALTON+		58
27Al	3He	8.0-1		RIC WALTON+		58
Si	p	2.1-1	4.5-1	RIC		75
Si	p	2.1-1	4.5-1	RIC		76
Si	p	2.9-1	4.5-1	RIC WALTON+		75
Si	p	3.4-1	4.5-1	RIC WALTON+		76
21Ne α(E)						
10B	12C	5.0-0	1.6-1	CAL DAYRAS+		976
24Mg	p	1.5-1	2.7-1	CLU WALSON+		461
24Mg	3He	8.0-1		NRL SINGH+		493
24Mg	3He	8.0-1		NRL SINGH+		515
27Al	3He	8.0-1		NRL SINGH+		540
22Ne product yield						
10B	16O	3.6-1	4.0-1	IEA HIRATA+		1068
22Ne α(E)						
12C	12C	5.0-0	1.6-1	CAL DAYRAS+		976
12C	p	2.8-0	5.1-0	TRN BALKRISHNAN+		739

ISOTOPE PRODUCTION--EXPERIMENTAL (cont)

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
²³Ne α(E)						
Mg	d	8.7-0	1.8-1	CLU WILSON.		391
²⁶ Mg	³ He	8.0-1		NRL SINGH.		519
²⁷ Al	³ He	8.0-1		NRL SINGH.		544
²²Mg α(E)						
Mg	d	1.5-1	2.7-1	CLU WILSON.		49
²⁶ Mg	³ He	8.0-1		NRL SINGH.		497
²⁷ Al	³ He	8.0-1		NRL SINGH.		520
²⁷Mg α(E)						
¹² C	¹² C	1.9-1	4.8-1	NBI SMITKOWSKI.		992
²³ Ne	d	5.1-0	2.2-1	CAL MANN.		38
²⁷ Al	d	5.1-0	5.8-0	KTV SEKHARAN.		39
²⁶ Mg	d	1.5-1	2.7-1	CLU WILSON.		50
²⁷ Al	³ He	8.0-1		NRL SINGH.		498
²⁶ Mg	³ He	8.0-1		NRL SINGH.		521
²⁷ Al	³ He	8.0-1		NRL SINGH.		521
²⁷ Al	³ He	8.0-1		NRL SINGH.		546
²⁴Mg α(E)						
¹² C	¹² C	3.0-0	1.6-1	CAL DAYRAS.		1041
¹³ C	¹² C	1.6-1		PEN GELLER.		1042
¹⁶ O	¹² C	2.0-1	2.3-1	CAL SMITKOWSKI.		1082
¹⁷ O	¹² C	2.0-1		CAL YOUNG.		1083
¹⁸ O	¹² C	2.0-1		STR. KOLATA.		1084
¹⁹ F	¹² C	1.9-1		NRL SINGH.		993
²³ Ne	³ He	8.0-1		NRL SINGH.		499
²⁶ Mg	³ He	8.0-1		NRL SINGH.		500
²⁷ Al	³ He	8.0-1		NRL SINGH.		522
²⁷ Al	³ He	8.0-1		NRL SINGH.		523
²⁷ Al	³ He	8.0-1		NRL SINGH.		524
²⁷ Al	³ He	8.0-1		NRL SINGH.		525
²⁷ Al	³ He	8.0-1		NRL SINGH.		526
²⁷ Al	³ He	8.0-1		NRL SINGH.		527
²⁷ Al	³ He	8.0-1		NRL SINGH.		528
²⁷ Al	³ He	8.0-1		NRL SINGH.		529
²⁷ Al	³ He	8.0-1		NRL SINGH.		530
²⁷ Al	³ He	8.0-1		NRL SINGH.		531
²⁷ Al	³ He	8.0-1		NRL SINGH.		532
²⁷ Al	³ He	8.0-1		NRL SINGH.		533
²⁷ Al	³ He	8.0-1		NRL SINGH.		534
²⁷ Al	³ He	8.0-1		NRL SINGH.		535
²⁷ Al	³ He	8.0-1		NRL SINGH.		536
²⁷ Al	³ He	8.0-1		NRL SINGH.		537
²⁷ Al	³ He	8.0-1		NRL SINGH.		538
²⁷ Al	³ He	8.0-1		NRL SINGH.		539
²⁷ Al	³ He	8.0-1		NRL SINGH.		540
²⁷ Al	³ He	8.0-1		NRL SINGH.		541
²⁷ Al	³ He	8.0-1		NRL SINGH.		542
²⁷ Al	³ He	8.0-1		NRL SINGH.		543
²⁷ Al	³ He	8.0-1		NRL SINGH.		544
²⁷ Al	³ He	8.0-1		NRL SINGH.		545
²⁷ Al	³ He	8.0-1		NRL SINGH.		546
²⁷ Al	³ He	8.0-1		NRL SINGH.		547
²⁷ Al	³ He	8.0-1		NRL SINGH.		548
²⁷ Al	³ He	8.0-1		NRL SINGH.		549
²⁷ Al	³ He	8.0-1		NRL SINGH.		550
²⁷ Al	³ He	8.0-1		NRL SINGH.		551
²⁷ Al	³ He	8.0-1		NRL SINGH.		552
²⁷ Al	³ He	8.0-1		NRL SINGH.		553
²⁷ Al	³ He	8.0-1		NRL SINGH.		554
²⁷ Al	³ He	8.0-1		NRL SINGH.		555
²⁷ Al	³ He	8.0-1		NRL SINGH.		556
²⁷ Al	³ He	8.0-1		NRL SINGH.		557
²⁷ Al	³ He	8.0-1		NRL SINGH.		558
²⁷ Al	³ He	8.0-1		NRL SINGH.		559
²⁷ Al	³ He	8.0-1		NRL SINGH.		560
²⁷ Al	³ He	8.0-1		NRL SINGH.		561
²⁷ Al	³ He	8.0-1		NRL SINGH.		562
²⁷ Al	³ He	8.0-1		NRL SINGH.		563
²⁷ Al	³ He	8.0-1		NRL SINGH.		564
²⁷ Al	³ He	8.0-1		NRL SINGH.		565
²⁷ Al	³ He	8.0-1		NRL SINGH.		566
²⁷ Al	³ He	8.0-1		NRL SINGH.		567
²⁷ Al	³ He	8.0-1		NRL SINGH.		568
²⁷ Al	³ He	8.0-1		NRL SINGH.		569
²⁷ Al	³ He	8.0-1		NRL SINGH.		570
²⁷ Al	³ He	8.0-1		NRL SINGH.		571
²⁷ Al	³ He	8.0-1		NRL SINGH.		572
²⁷ Al	³ He	8.0-1		NRL SINGH.		573
²⁷ Al	³ He	8.0-1		NRL SINGH.		574
²⁷ Al	³ He	8.0-1		NRL SINGH.		575
²⁷ Al	³ He	8.0-1		NRL SINGH.		576
²⁷ Al	³ He	8.0-1		NRL SINGH.		577
²⁷ Al	³ He	8.0-1		NRL SINGH.		578
²⁷ Al	³ He	8.0-1		NRL SINGH.		579
²⁷ Al	³ He	8.0-1		NRL SINGH.		580
²⁷ Al	³ He	8.0-1		NRL SINGH.		581
²⁷ Al	³ He	8.0-1		NRL SINGH.		582
²⁷ Al	³ He	8.0-1		NRL SINGH.		583
²⁷ Al	³ He	8.0-1		NRL SINGH.		584
²⁷ Al	³ He	8.0-1		NRL SINGH.		585
²⁷ Al	³ He	8.0-1		NRL SINGH.		586
²⁷ Al	³ He	8.0-1		NRL SINGH.		587
²⁷ Al	³ He	8.0-1		NRL SINGH.		588
²⁷ Al	³ He	8.0-1		NRL SINGH.		589
²⁷ Al	³ He	8.0-1		NRL SINGH.		590
²⁷ Al	³ He	8.0-1		NRL SINGH.		591
²⁷ Al	³ He	8.0-1		NRL SINGH.		592
²⁷ Al	³ He	8.0-1		NRL SINGH.		593
²⁷ Al	³ He	8.0-1		NRL SINGH.		594
²⁷ Al	³ He	8.0-1		NRL SINGH.		595
²⁷ Al	³ He	8.0-1		NRL SINGH.		596
²⁷ Al	³ He	8.0-1		NRL SINGH.		597
²⁷ Al	³ He	8.0-1		NRL SINGH.		598
²⁷ Al	³ He	8.0-1		NRL SINGH.		599
²⁷ Al	³ He	8.0-1		NRL SINGH.		600
²⁷ Al	³ He	8.0-1		NRL SINGH.		601
²⁷ Al	³ He	8.0-1		NRL SINGH.		602
²⁷ Al	³ He	8.0-1		NRL SINGH.		603
²⁷ Al	³ He	8.0-1		NRL SINGH.		604
²⁷ Al	³ He	8.0-1		NRL SINGH.		605
²⁷ Al	³ He	8.0-1		NRL SINGH.		606
²⁷ Al	³ He	8.0-1		NRL SINGH.		607
²⁷ Al	³ He	8.0-1		NRL SINGH.		608
²⁷ Al	³ He	8.0-1		NRL SINGH.		609
²⁷ Al	³ He	8.0-1		NRL SINGH.		610
²⁷ Al	³ He	8.0-1		NRL SINGH.		611
²⁷ Al	³ He	8.0-1		NRL SINGH.		612
²⁷ Al	³ He	8.0-1		NRL SINGH.		613
²⁷ Al	³ He	8.0-1		NRL SINGH.		614
²⁷ Al	³ He	8.0-1		NRL SINGH.		615
²⁷ Al	³ He	8.0-1		NRL SINGH.		616
²⁷ Al	³ He	8.0-1		NRL SINGH.		617
²⁷ Al	³ He	8.0-1		NRL SINGH.		618
²⁷ Al	³ He	8.0-1		NRL SINGH.		619
²⁷ Al	³ He	8.0-1		NRL SINGH.		620
²⁷ Al	³ He	8.0-1		NRL SINGH.		621
²⁷ Al	³ He	8.0-1		NRL SINGH.		622
²⁷ Al	³ He	8.0-1		NRL SINGH.		623
²⁷ Al	³ He	8.0-1		NRL SINGH.		624
²⁷ Al	³ He	8.0-1		NRL SINGH.		625
²⁷ Al	³ He	8.0-1		NRL SINGH.		626
²⁷ Al	³ He	8.0-1		NRL SINGH.		627
²⁷ Al	³ He	8.0-1		NRL SINGH.		628
²⁷ Al	³ He	8.0-1		NRL SINGH.		629
²⁷ Al	³ He	8.0-1		NRL SINGH.		630
²⁷ Al	³ He	8.0-1		NRL SINGH.		631
²⁷ Al	³ He	8.0-1		NRL SINGH.		632
²⁷ Al	³ He	8.0-1		NRL SINGH.		633
²⁷ Al	³ He	8.0-1		NRL SINGH.		634
²⁷ Al	³ He	8.0-1		NRL SINGH.		635
²⁷ Al	³ He	8.0-1		NRL SINGH.		636
²⁷ Al	³ He	8.0-1		NRL SINGH.		637
²⁷ Al	³ He	8.0-1		NRL SINGH.		638
²⁷ Al	³ He	8.0-1		NRL SINGH.		639
²⁷ Al	³ He	8.0-1		NRL SINGH.		640
²⁷ Al	³ He	8.0-1		NRL SINGH.		641
²⁷ Al	³ He	8.0-1		NRL SINGH.		642
²⁷ Al	³ He	8.0-1		NRL SINGH.		643
²⁷ Al	³ He	8.0-1		NRL SINGH.		644
²⁷ Al	³ He	8.0-1		NRL SINGH.		645
²⁷ Al	³ He	8.0-1		NRL SINGH.		646
²⁷ Al	³ He	8.0-1		NRL SINGH.		647
²⁷ Al	³ He	8.0-1		NRL SINGH.		648
²⁷ Al	³ He	8.0-1		NRL SINGH.		649
²⁷ Al	³ He	8.0-1		NRL SINGH.		650
²⁷ Al	³ He	8.0-1		NRL SINGH.		651
²⁷ Al	³ He	8.0-1		NRL SINGH.		652
²⁷ Al	³ He	8.0-1		NRL SINGH.		653
²⁷ Al	³ He	8.0-1		NRL SINGH.		654
²⁷ Al	³ He	8.0-1		NRL SINGH.		655
²⁷ Al	³ He	8.0-1		NRL SINGH.		656
²⁷ Al	³ He	8.0-1		NRL SINGH.		657
²⁷ Al	³ He	8.0-1		NRL SINGH.		658
²⁷ Al	³ He	8.0-1		NRL SINGH.		659
²⁷ Al	³ He	8.0-1		NRL SINGH.		660
²⁷ Al	³ He	8.0-1		NRL SINGH.		661
²⁷ Al	³ He	8.0-1		NRL SINGH.		662
²⁷ Al	³ He	8.0-1		NRL SINGH.		663
²⁷ Al	³ He	8.0-1		NRL SINGH.		664
²⁷ Al	³ He	8.0-1		NRL SINGH.		665
²⁷ Al	³ He	8.0-1		NRL SINGH.		666
²⁷ Al	³ He	8.0-1		NRL SINGH.		667
²⁷ Al	³ He	8.0-1		NRL SINGH.		668
²⁷ Al	³ He	8.0-1		NRL SINGH.		669
²⁷ Al	³ He	8.0-1		NRL SINGH.		670
²⁷ Al	³ He	8.0-1		NRL SINGH.		671
²⁷ Al	³ He	8.0-1		NRL SINGH.		672
²⁷ Al	³ He	8.0-1		NRL SINGH.		673
²⁷ Al	³ He	8.0-1		NRL SINGH.		674
²⁷ Al	³ He	8.0-1		NRL SINGH.		675
²⁷ Al	³ He	8.0-1		NRL SINGH.		676
²⁷ Al	³ He	8.0-1		NRL SINGH.		677
²⁷ Al	³ He	8.0-1		NRL SINGH.		678
²⁷ Al	³ He	8.0-1		NRL SINGH.		679
²⁷ Al	³ He	8.0-1		NRL SINGH.		680
²⁷ Al	³ He	8.0-1		NRL SINGH.		681
²⁷ Al	³ He	8.0-1		NRL SINGH.		682
²⁷ Al	³ He	8.0-1		NRL SINGH.		683
²⁷ Al	³ He	8.0-1		NRL SINGH.		684
²⁷ Al	³ He	8.0-1		NRL SINGH.		685
²⁷ Al	³ He	8.0-1		NRL SINGH.		686
²⁷ Al	³ He	8.0-1		NRL SINGH.		687
²⁷ Al	³ He	8.0-1		NRL SINGH.		688
²⁷ Al	³ He	8.0-1		NRL SINGH.		689
²⁷ Al	³ He	8.0-1		NRL SINGH.		

ISOTOPE PRODUCTION--EXPERIMENTAL (cont)

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
27Al	3He 8.0+1		27Al $\sigma(E)$			
			NRL SINGH+			552
28Al			28Al $\sigma(E)$			
28Mg	d 8.7-0	1.8+1	CLU WILSON+			394
27Al	d 8.7-0	1.8+1	CLU WILSON+			400
27Al	d 3.0+1	4.0+1	JUL PROBST+			754
Si	d 1.5+1	2.7+1	CLU WILSON+			79
Si	d 8.7-0	1.8+1	CLU WILSON+			402
27Al			27Al $\sigma(E)$			
28Mg	d 1.5+1	1.6+2	JUL PROBST+			741
27Al	d 1.8+1	1.5+2	JUL PROBST+			755
Si	d 1.5+1	2.7+1	CLU WILSON+			80
Si	d 8.7-0	1.8+1	CLU WILSON+			403
27Al			27Al $\sigma(E)$			
28Mg	3He 2.1+1	4.3+1	CLU MOSS-			503
27Al			27Al $\sigma(E)$			
27Al	d 1.5+1	2.7+1	CLU WILSON+			67
27Si			27Si $\sigma(E)$			
12C	16O 1.1+1	2.3+1	CAL SWITKOWSKI+			1086
27Al	d 0	6.4+0	KTY SERKHAN+			69
27Al	d 1.5+1	2.7+1	CLU WILSON+			68
27Al	d 8.7-0	1.8+1	CLU WILSON+			401
Si	d 1.5+1	2.7+1	CLU WILSON+			81
27Si			27Si product yield			
16O	16O 1.7+1	3.2+1	ATH FOX+			1091
27Al			27Al $\sigma(E)$			
12C	16O 1.6+1	3.3+1	M21 EYAL+			1087
27Mg	3He 8.0+1		NRL SINGH+			529
27Al	d 9.9-1		GEO SCOTT+			70
27Al	3He 8.0+1		NRL SINGH+			554
27Si			27Si $\sigma(E)$			
12C	17O 1.7+1	3.4+1	M21 EYAL+			1203
27Si			27Si $\sigma(E)$			
12C	18O 1.8+1	3.5+1	M21 EYAL+			1205
27Al			27Al $\sigma(E)$			
27Al	3He 1.4+1	4.1+1	CLU MOSS-			555
Si	d 1.5+1	2.7+1	CLU WILSON+			82
27Al			27Al $\sigma(E)$			
Si	d 1.5+1	2.7+1	CLU WILSON+			83
Si	d 8.7-0	1.8+1	CLU WILSON+			404
27Si			27Si product yield			
29Si	d 1.8-0	2.5-0	TRM BALSARISHNAN+			756
31P			31P $\sigma(E)$			
31P	d 1.9-0	3.0-0	CCP KOSTIN+			84
31P			31P $\sigma(E)$			
30Si	d 4.0-0	6.2-0	KTY SERKHAN+			758
36Cl			36Cl thick target yield			
P	d 1.1+1	4.2+1	FEI ZATOLKIN+			759
S	p 8.0+0	2.2+1	FEI ZATOLKIN+			85
Si	p 6.1+0	2.2+1	FEI ZATOLKIN+			405
Si	p 5.0+0	3.0+1	FEI ZATOLKIN+			556
Si	d 2.0+1	1.7+1	FEI ZATOLKIN+			760
Cl	p 4.4+1	1.2+1	FEI ZATOLKIN+			86
Cl	p 4.0+1	1.2+1	FEI ZATOLKIN+			557
Cl	d 2.1+1	4.2+1	FEI ZATOLKIN+			762
37Cl			37Cl $\sigma(E)$			
27Al	19F 4.0+1		BNL POLETTI+			1239
36Cl			36Cl thick target yield			
Cl	d 2.8-0	2.2+1	FEI ZATOLKIN+			406
Cl	3He 1.1+1	3.0+1	FEI ZATOLKIN+			558
36Ar			36Ar product yield			
32S	d 4.5+0	4.8+0	TRM CHAKRABARTY+			761
36Ar			36Ar $\sigma(E)$			
35Cl	d 2.4-0	2.4+0	KOU MARTIN+			87
Cl	p 1.9+1	4.4+1	RIC HALTON+			88
27Al	19F 4.0+1		BNL POLETTI+			1240

ISOTOPE PRODUCTION--EXPERIMENTAL (cont.)

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
Ce	p	1.9-1	4.4-1	RIC WALTON*		89
				³⁷ Ar σ(E)		
27Al	19F	4.0-1		BNL POLETTI*		1251
Ce	p	1.9-1	4.4-1	RIC WALTON*		90
				³⁹ Ar σ(E)		
Ce	p	1.9-1	4.4-1	RIC WALTON*		91
				⁴⁰ Ar σ(E)		
27Al	19F	4.0-1		BNL POLETTI*		1242
				⁴² Ar σ(E)		
Ce	p	1.9-1	4.4-1	RIC WALTON*		92
				⁴⁰ K σ(E)		
27Al	19F	4.0-1		BNL POLETTI*		1243
				⁴¹ K σ(E)		
27Al	19F	4.0-1		BNL POLETTI*		1244
				⁴² K σ(E)		
27Al	19F	4.0-1		BNL POLETTI*		1245
				⁴³ K thick target yield		
Ar	α	6.0-1	1.0-2	KFK HEIUS*		763
				⁴⁰ Ca σ(E)		
27Al	19F	4.0-1		BNL POLETTI*		1246
⁴⁰ Ca	α	2.0-1	2.6-1	MAU EBERHARD*		764
				⁴¹ Ca σ(E)		
27Al	19F	4.0-1		BNL POLETTI*		1247
				⁴² Ca σ(E)		
27Al	19F	4.0-1		BNL POLETTI*		1248
				⁴³ Ca σ(E)		
27Al	19F	4.0-1		BNL POLETTI*		1249
				⁴⁴ Ca σ(E)		
27Al	19F	4.0-1		BNL POLETTI*		1250
⁴⁴ Ca	α	2.0-1	2.6-1	MAU EBERHARD*		766
				⁴⁵ Ca σ(E)		
				⁴⁶ Ca σ(E)		
				⁴⁷ Ca σ(E)		
				⁴⁸ Ca σ(E)		
				⁴⁹ Ca σ(E)		
				⁵⁰ Ca σ(E)		
				⁵¹ Ca σ(E)		
				⁵² Ca σ(E)		
				⁵³ Ca σ(E)		
				⁵⁴ Ca σ(E)		
				⁵⁵ Ca σ(E)		
				⁵⁶ Ca σ(E)		
				⁵⁷ Ca σ(E)		
				⁵⁸ Ca σ(E)		
				⁵⁹ Ca σ(E)		
				⁶⁰ Ca σ(E)		
				⁶¹ Ca σ(E)		
				⁶² Ca σ(E)		
				⁶³ Ca σ(E)		
				⁶⁴ Ca σ(E)		
				⁶⁵ Ca σ(E)		
				⁶⁶ Ca σ(E)		
				⁶⁷ Ca σ(E)		
				⁶⁸ Ca σ(E)		
				⁶⁹ Ca σ(E)		
				⁷⁰ Ca σ(E)		
				⁷¹ Ca σ(E)		
				⁷² Ca σ(E)		
				⁷³ Ca σ(E)		
				⁷⁴ Ca σ(E)		
				⁷⁵ Ca σ(E)		
				⁷⁶ Ca σ(E)		
				⁷⁷ Ca σ(E)		
				⁷⁸ Ca σ(E)		
				⁷⁹ Ca σ(E)		
				⁸⁰ Ca σ(E)		
				⁸¹ Ca σ(E)		
				⁸² Ca σ(E)		
				⁸³ Ca σ(E)		
				⁸⁴ Ca σ(E)		
				⁸⁵ Ca σ(E)		
				⁸⁶ Ca σ(E)		
				⁸⁷ Ca σ(E)		
				⁸⁸ Ca σ(E)		
				⁸⁹ Ca σ(E)		
				⁹⁰ Ca σ(E)		
				⁹¹ Ca σ(E)		
				⁹² Ca σ(E)		
				⁹³ Ca σ(E)		
				⁹⁴ Ca σ(E)		
				⁹⁵ Ca σ(E)		
				⁹⁶ Ca σ(E)		
				⁹⁷ Ca σ(E)		
				⁹⁸ Ca σ(E)		
				⁹⁹ Ca σ(E)		
				¹⁰⁰ Ca σ(E)		
				¹⁰¹ Ca σ(E)		
				¹⁰² Ca σ(E)		
				¹⁰³ Ca σ(E)		
				¹⁰⁴ Ca σ(E)		
				¹⁰⁵ Ca σ(E)		
				¹⁰⁶ Ca σ(E)		
				¹⁰⁷ Ca σ(E)		
				¹⁰⁸ Ca σ(E)		
				¹⁰⁹ Ca σ(E)		
				¹¹⁰ Ca σ(E)		
				¹¹¹ Ca σ(E)		
				¹¹² Ca σ(E)		
				¹¹³ Ca σ(E)		
				¹¹⁴ Ca σ(E)		
				¹¹⁵ Ca σ(E)		
				¹¹⁶ Ca σ(E)		
				¹¹⁷ Ca σ(E)		
				¹¹⁸ Ca σ(E)		
				¹¹⁹ Ca σ(E)		
				¹²⁰ Ca σ(E)		
				¹²¹ Ca σ(E)		
				¹²² Ca σ(E)		
				¹²³ Ca σ(E)		
				¹²⁴ Ca σ(E)		
				¹²⁵ Ca σ(E)		
				¹²⁶ Ca σ(E)		
				¹²⁷ Ca σ(E)		
				¹²⁸ Ca σ(E)		
				¹²⁹ Ca σ(E)		
				¹³⁰ Ca σ(E)		
				¹³¹ Ca σ(E)		
				¹³² Ca σ(E)		
				¹³³ Ca σ(E)		
				¹³⁴ Ca σ(E)		
				¹³⁵ Ca σ(E)		
				¹³⁶ Ca σ(E)		
				¹³⁷ Ca σ(E)		
				¹³⁸ Ca σ(E)		
				¹³⁹ Ca σ(E)		
				¹⁴⁰ Ca σ(E)		
				¹⁴¹ Ca σ(E)		
				¹⁴² Ca σ(E)		
				¹⁴³ Ca σ(E)		
				¹⁴⁴ Ca σ(E)		
				¹⁴⁵ Ca σ(E)		
				¹⁴⁶ Ca σ(E)		
				¹⁴⁷ Ca σ(E)		
				¹⁴⁸ Ca σ(E)		
				¹⁴⁹ Ca σ(E)		
				¹⁵⁰ Ca σ(E)		
				¹⁵¹ Ca σ(E)		
				¹⁵² Ca σ(E)		
				¹⁵³ Ca σ(E)		
				¹⁵⁴ Ca σ(E)		
				¹⁵⁵ Ca σ(E)		
				¹⁵⁶ Ca σ(E)		
				¹⁵⁷ Ca σ(E)		
				¹⁵⁸ Ca σ(E)		
				¹⁵⁹ Ca σ(E)		
				¹⁶⁰ Ca σ(E)		
				¹⁶¹ Ca σ(E)		
				¹⁶² Ca σ(E)		
				¹⁶³ Ca σ(E)		
				¹⁶⁴ Ca σ(E)		
				¹⁶⁵ Ca σ(E)		
				¹⁶⁶ Ca σ(E)		
				¹⁶⁷ Ca σ(E)		
				¹⁶⁸ Ca σ(E)		
				¹⁶⁹ Ca σ(E)		
				¹⁷⁰ Ca σ(E)		
				¹⁷¹ Ca σ(E)		
				¹⁷² Ca σ(E)		
				¹⁷³ Ca σ(E)		
				¹⁷⁴ Ca σ(E)		
				¹⁷⁵ Ca σ(E)		
				¹⁷⁶ Ca σ(E)		
				¹⁷⁷ Ca σ(E)		
				¹⁷⁸ Ca σ(E)		
				¹⁷⁹ Ca σ(E)		
				¹⁸⁰ Ca σ(E)		
				¹⁸¹ Ca σ(E)		
				¹⁸² Ca σ(E)		
				¹⁸³ Ca σ(E)		
				¹⁸⁴ Ca σ(E)		
				¹⁸⁵ Ca σ(E)		
				¹⁸⁶ Ca σ(E)		
				¹⁸⁷ Ca σ(E)		
				¹⁸⁸ Ca σ(E)		
				¹⁸⁹ Ca σ(E)		
				¹⁹⁰ Ca σ(E)		
				¹⁹¹ Ca σ(E)		
				¹⁹² Ca σ(E)		
				¹⁹³ Ca σ(E)		
				¹⁹⁴ Ca σ(E)		
				¹⁹⁵ Ca σ(E)		
				¹⁹⁶ Ca σ(E)		
				¹⁹⁷ Ca σ(E)		
				¹⁹⁸ Ca σ(E)		
				¹⁹⁹ Ca σ(E)		
				²⁰⁰ Ca σ(E)		
				²⁰¹ Ca σ(E)		
				²⁰² Ca σ(E)		
				²⁰³ Ca σ(E)		
				²⁰⁴ Ca σ(E)		
				²⁰⁵ Ca σ(E)		
				²⁰⁶ Ca σ(E)		
				²⁰⁷ Ca σ(E)		
				²⁰⁸ Ca σ(E)		
				²⁰⁹ Ca σ(E)		
				²¹⁰ Ca σ(E)		
				²¹¹ Ca σ(E)		
				²¹² Ca σ(E)		
				²¹³ Ca σ(E)		
				²¹⁴ Ca σ(E)		
				²¹⁵ Ca σ(E)		
				²¹⁶ Ca σ(E)		
				²¹⁷ Ca σ(E)		
				²¹⁸ Ca σ(E)		
				²¹⁹ Ca σ(E)		
				²²⁰ Ca σ(E)		
				²²¹ Ca σ(E)		
				²²² Ca σ(E)		
				²²³ Ca σ(E)		
				²²⁴ Ca σ(E)		
				²²⁵ Ca σ(E)		
				²²⁶ Ca σ(E)		
				²²⁷ Ca σ(E)		
				²²⁸ Ca σ(E)		
				²²⁹ Ca σ(E)		
				²³⁰ Ca σ(E)		
				²³¹ Ca σ(E)		
				²³² Ca σ(E)		
				²³³ Ca σ(E)		
				²³⁴ Ca σ(E)		
				²³⁵ Ca σ(E)		
				²³⁶ Ca σ(E)		
				²³⁷ Ca σ(E)		
				²³⁸ Ca σ(E)		
				²³⁹ Ca σ(E)		
				²⁴⁰ Ca σ(E)		
				²⁴¹ Ca σ(E)		
				²⁴² Ca σ(E)		
				²⁴³ Ca σ(E)		
				²⁴⁴ Ca σ(E)		
				²⁴⁵ Ca σ(E)		
				²⁴⁶ Ca σ(E)		
				²⁴⁷ Ca σ(E)		
				²⁴⁸ Ca σ(E)		
				²⁴⁹ Ca σ(E)		
				²⁵⁰ Ca σ(E)		
				²⁵¹ Ca σ(E)		
				²⁵² Ca σ(E)		
				²⁵³ Ca σ(E)		
				²⁵⁴ Ca σ(E)		
				²⁵⁵ Ca σ(E)		
				²⁵⁶ Ca σ(E)		
				²⁵⁷ Ca σ(E)		
				²⁵⁸ Ca σ(E)		
				²⁵⁹ Ca σ(E)		
				²⁶⁰ Ca σ(E)		
				²⁶¹ Ca σ(E)		
				²⁶² Ca σ(E)		
				²⁶³ Ca σ(E)		
				²⁶⁴ Ca σ(E)		
				²⁶⁵ Ca σ(E)		
				²⁶⁶ Ca σ(E)		
				²⁶⁷ Ca σ(E)		
				²⁶⁸ Ca σ(E)		
				²⁶⁹ Ca σ(E)		
				²⁷⁰ Ca σ(E)		
				²⁷¹ Ca σ(E)		
				²⁷² Ca σ(E)		
				²⁷³ Ca σ(E)		
				²⁷⁴ Ca σ(E)		
				²⁷⁵ Ca σ(E)		
				²⁷⁶ Ca σ(E)		

ISOTOPE PRODUCTION--EXPERIMENTAL(cont)

Target	Inc	Emin (MeV)	Emax (MeV)	Lab	Author	No.
⁴⁸ Ca	p	6.0+0	6.2+0	LRL DIETRICH+		97
				⁴⁸ Sc $\sigma(E)$		
²⁷ Al	¹⁹ F	4.0+1		BNL POLETTI+		1254
				⁴⁵ Ti $\sigma(E)$		
¹⁶ O	³² S	6.5+1		MUN IMAZATO.		1257
⁵⁶ Fe	³ He	8.0+1		NRL SINGH+		562
⁵⁸ Ni	³ He	8.0+1		NRL SINGH+		596
⁶⁴ Zn	³ He	8.0+1		NRL SINGH+		634
				⁴⁶ Ti product yield		
⁴³ Ca	α	NDG		CBR RADFORD+		765
⁴⁵ Sc	p	1.2+0	3.0+0	RAM RAHMAN+		99
				⁴⁶ Ti $\sigma(E)$		
⁴⁰ Ca	¹² C	3.3+1	4.8+1	MUN IMAZATO.		1000
⁴⁰ Ca	¹² C	3.4+1	6.2+1	MUN FORTUNA+		999
				⁴⁷ Ti $\sigma(E)$		
⁴⁴ Ca	⁷ Li	1.0+1	3.5+1	MUN FORTUNA+		944
				⁴⁸ Ti $\sigma(E)$		
⁴⁰ Ca	¹² C	5.5+1	6.2+1	MUN FORTUNA+		1001
⁴⁴ Ca	⁷ Li	1.0+1	3.5+1	MUN FORTUNA+		945
⁴⁸ Ca	³ He	1.0+1	2.2+1	MUN FORTUNA+		953
⁵⁶ Fe	³ He	8.0+1		NRL SINGH+		562
⁵⁸ Ni	³ He	8.0+1		NRL SINGH+		597
⁶⁴ Zn	³ He	8.0+1		NRL SINGH+		635
				⁴⁹ Ti $\sigma(E)$		
⁵⁶ Fe	³ He	8.0+1		NRL SINGH+		564
⁵⁸ Ni	³ He	8.0+1		NRL SINGH+		598
⁶⁴ Zn	³ He	8.0+1		NRL SINGH+		636
				⁵⁰ Ti $\sigma(E)$		
⁵⁶ Fe	³ He	8.0+1		NRL SINGH+		565
⁵⁸ Ni	³ He	8.0+1		NRL SINGH+		599
⁶⁴ Zn	³ He	8.0+1		NRL SINGH+		637
				⁵¹ Ti $\sigma(E)$		
⁵⁶ Fe	³ He	8.0+1		NRL SINGH+		566
⁵⁸ Ni	³ He	8.0+1		NRL SINGH+		600
⁶⁴ Zn	³ He	8.0+1		NRL SINGH+		638
				⁴⁶ V $\sigma(E)$		
⁴⁰ Ca	¹² C	4.8+1	6.2+1	MUN FORTUNA+		1002
				⁴⁷ V $\sigma(E)$		
⁴⁰ Ca	¹² C	2.7+1	6.2+1	MUN FORTUNA+		1003
⁴⁰ Ca	¹² C	3.3+1	4.8+1	MUN IMAZATO.		1004
				⁴⁸ V $\sigma(E)$		
¹⁶ O	³² S	6.5+1		MUN IMAZATO.		1258
⁴⁰ Ca	¹² C	4.1+1	6.2+1	MUN FORTUNA+		1005
⁴⁴ Ca	⁷ Li	1.0+1	3.5+1	MUN FORTUNA+		946
⁵¹ V	p	1.7+1	4.3+1	RIC WALTON+		101
	α	3.2+1	1.2+2	ROC BOHMANN+		771
				⁴⁹ V $\sigma(E)$		
⁴⁰ Ca	¹² C	3.3+1	4.8+1	MUN IMAZATO.		1007
⁴⁰ Ca	¹² C	3.4+1	6.2+1	MUN FORTUNA+		1006
⁴⁴ Ca	⁷ Li	1.0+1	3.5+1	MUN FORTUNA+		947
				⁵⁰ V $\sigma(E)$		
⁵⁶ Fe	³ He	8.0+1		NRL SINGH+		567
⁵⁸ Ni	³ He	8.0+1		NRL SINGH+		601
⁶⁴ Zn	³ He	8.0+1		NRL SINGH+		639
				⁵¹ V $\sigma(E)$		
⁵⁶ Fe	³ He	8.0+1		NRL SINGH+		568
⁵⁸ Ni	³ He	8.0+1		NRL SINGH+		602
⁶⁴ Zn	³ He	8.0+1		NRL SINGH+		640
				⁵² V $\sigma(E)$		
⁵⁶ Fe	³ He	8.0+1		NRL SINGH+		569
⁵⁸ Ni	³ He	8.0+1		NRL SINGH+		603
⁶⁴ Zn	³ He	8.0+1		NRL SINGH+		641
				⁴⁸ Cr $\sigma(E)$		
¹⁶ O	³² S	6.5+1		MUN IMAZATO.		1259
⁴⁰ Ca	¹² C	3.3+1	4.8+1	MUN IMAZATO.		1008
⁵⁶ Fe	³ He	8.0+1		NRL SINGH+		570
⁵⁸ Ni	³ He	8.0+1		NRL SINGH+		604
⁶⁴ Zn	³ He	8.0+1		NRL SINGH+		642
				⁴⁹ Cr $\sigma(E)$		
⁴⁰ Ca	¹² C	3.3+1	4.8+1	MUN IMAZATO.		1010
⁴⁰ Ca	¹² C	3.4+1	6.2+1	MUN FORTUNA+		1009
⁵⁶ Fe	³ He	8.0+1		NRL SINGH+		571

ISOTOPE PRODUCTION--EXPERIMENTAL(cont)

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
⁵⁸ Ni	³ He 8.0+1			⁵⁶ Cr σ (E)		605
⁶⁴ Zn	³ He 8.0+1			NRL SINGH+ NRL SINGH+		643
⁴⁰ Ca	¹² C 3.3+1			⁵⁸ Cr σ (E)		1012
⁴⁰ Ca	¹² C 3.4+1			4.8+1 MUN IMAZATO.		1011
⁵⁶ Fe	³ He 8.0+1			6.2+1 MUN FORTUNA.		572
⁵⁸ Ni	³ He 8.0+1			NRL SINGH+		606
⁶⁴ Zn	³ He 8.0+1			NRL SINGH+		644
⁵¹ V	³ He 8.0+1			⁵¹ Cr σ (E)		102
⁵¹ V	³ He 8.0+1			4.4+0 KTY SEKHARAN.		772
⁵⁶ Fe	³ He 8.0+1			1.2+2 ROC BOWMANN.		103
⁵⁸ Ni	³ He 8.0+1			2.9+1 4.4+1 RIC WALTON.		111
⁶⁴ Zn	³ He 8.0+1			4.4+1 RIC WALTON.		573
⁵⁶ Fe	³ He 8.0+1			NRL SINGH+		607
⁵⁸ Ni	³ He 8.0+1			NRL SINGH+		645
⁶⁴ Zn	³ He 8.0+1			NRL SINGH+		646
⁵⁶ Fe	³ He 8.0+1			⁵² Cr σ (E)		574
⁵⁸ Ni	³ He 8.0+1			NRL SINGH+		608
⁶⁴ Zn	³ He 8.0+1			NRL SINGH+		646
⁵⁶ Fe	³ He 8.0+1			⁵³ Cr σ (E)		575
⁵⁸ Ni	³ He 8.0+1			NRL SINGH+		609
⁶⁴ Zn	³ He 8.0+1			NRL SINGH+		647
⁵⁶ Fe	³ He 8.0+1			⁵⁴ Cr σ (E)		576
⁵⁸ Ni	³ He 8.0+1			NRL SINGH+		610
⁶⁴ Zn	³ He 8.0+1			NRL SINGH+		648
⁴⁰ Ca	¹² C 3.3+1			⁵⁰ Mn σ (E)		1013
⁵⁶ Fe	³ He 8.0+1			4.8+1 MUN IMAZATO.		577
⁵⁸ Ni	³ He 8.0+1			NRL SINGH+		611
⁶⁴ Zn	³ He 8.0+1			NRL SINGH+		649
⁵⁰ Cr	³ He 8.5+0			⁵⁰ Mn σ (E)		105
⁵⁰ Cr	³ He 8.5+0			8.6+0 FSU MCKENNA.		106
⁵⁰ Cr	³ He 8.6+0			⁵⁰ Mn σ (E)		106
⁵⁶ Ca	¹² C 3.3+1			⁵¹ Mn σ (E)		1014
⁵⁸ Ni	³ He 8.0+1			4.8+1 MUN IMAZATO.		578
⁶⁴ Zn	³ He 8.0+1			NRL SINGH+		612
⁶⁴ Zn	³ He 8.0+1			NRL SINGH+		650
⁵⁰ Cr	³ He 8.6+0			⁵² Mn σ (E)		1093
⁵⁶ Ca	¹² C 3.3+1			5.2+1 BUC AVRIGEANU.		104
⁵⁸ Ni	³ He 8.0+1			1.9+1 RIC HALTON.		107
⁶⁴ Zn	³ He 8.0+1			7.3+0 ALA TAYLOR.		112
⁵⁶ Ca	¹² C 3.4+1			4.4+1 RIC HALTON.		613
⁵⁸ Ni	³ He 8.0+1			NRL SINGH+		651
⁶⁴ Zn	³ He 8.0+1			NRL SINGH+		651
⁵¹ V	³ He 8.6+0			⁵² Mn σ (E)		773
⁵⁸ Ni	³ He 8.0+1			1.2+2 ROC BOWMANN.		124
⁶⁴ Zn	³ He 8.0+1			5.6+1 TOK TANAKA.		579
⁵⁶ Fe	³ He 8.0+1			⁵³ Mn σ (E)		652
⁵⁸ Ni	³ He 8.0+1			NRL SINGH+		652
⁶⁴ Zn	³ He 8.0+1			NRL SINGH+		652
⁵¹ V	³ He 8.6+0			⁵⁴ Mn σ (E)		774
⁵⁸ Ni	³ He 8.0+1			8.5+1 ROC BOWMANN.		133
⁶⁴ Zn	³ He 8.0+1			5.6+1 TOK TANAKA.		133
⁵⁶ Fe	³ He 8.0+1			⁵⁶ Mn σ (E)		580
⁵⁸ Ni	³ He 8.0+1			NRL SINGH+		615
⁶⁴ Zn	³ He 8.0+1			NRL SINGH+		653
⁶⁴ Zn	³ He 8.0+1			⁵⁷ Mn σ (E)		654
⁶⁴ Zn	³ He 8.0+1			NRL SINGH+		654
⁶⁴ Zn	³ He 8.0+1			⁵⁰ Fe σ (E)		1015
⁶⁴ Zn	³ He 8.0+1			4.8+1 MUN IMAZATO.		1015
⁶⁴ Zn	³ He 8.0+1			⁵² Fe σ (E)		1016
⁶⁴ Zn	³ He 8.0+1			4.8+1 MUN IMAZATO.		1016

ISOTOPE PRODUCTION--EXPERIMENTAL(cont)

Targt	Inc	Emin (MeV)	Emax (MeV)	Lab	Author	No.
^{59}Ni	p	3.5+1	5.5+1	TOK TANAKA+		134*
^{64}Zn	^3He	8.0+1		NRL SINGH+		662
				^{55}Co e(E)		
	p	TR	6.3+0	TNL MILLER+		113
	^3He	8.0+1	6.3+0	BRL MILLER+		119
	^3He	8.0+1		NRL SINGH+		588
	p	2.7+1	5.6+1	TOK TANAKA+		128*
	^3He	8.0+1		NRL SINGH+		623
	^3He	8.0+1		NRL SINGH+		135*
	^3He	8.0+1		NRL SINGH+		663
				^{56}Co thick target yield		
	p	TR	6.3+0	TNL MILLER+		114
				^{57}Co product yield		
	p	1.2+0	3.0+0	RAN RAHMAN+		120
				^{57}Co e(E)		
	p	1.9+1	4.4+1	RIC WALTON+		115
	^3He	8.0+1		NRL SINGH+		519
	^3He	8.0+1		KAZ BURTEBAEV+		776
	p	1.3+1	5.7+1	TOK TANAKA+		129*
	^3He	8.0+1		NRL SINGH+		624
	p	6.8+0	5.5+1	TOK TANAKA+		136*
	^3He	8.0+1		NRL SINGH+		664
	d	2.2+1		ANL GINDLER+		422
				^{58}Co e(E)		
	p	5.0+0	1.1+1	OSU MORGAN+		775
	^3He	8.0+1		NRL SINGH+		590
	^3He	8.0+1		KAZ BURTEBAEV+		777
	^3He	8.0+1		NRL SINGH+		657
	p	2.7+1	5.7+1	TOK TANAKA+		130*
	p	7.0+0	1.4+1	TOK TANAKA+		100*
	^3He	8.0+1		NRL SINGH+		665
				^{59}Co e(E)		
	p	5.1+1		KAZ BURTEBAEV+		778
	^3He	8.0+1		NRL SINGH+		666
				^{60}Co e(E)		
	p	1.6+1	5.7+1	TOK TANAKA+		122*

Targt	Inc	Emin (MeV)	Emax (MeV)	Lab	Author	No.
^{59}Ni	p	1.6+2	HAR SYHE+			108
^{62}Ni	p	4.2+1	5.6+1	TOK TANAKA+		125*
				^{53}Fe e(E)		
	^3He	8.0+1		NRL SINGH+		581
	p	3.3+1	5.6+1	TOK TANAKA+		126*
	^3He	8.0+1		NRL SINGH+		616
	^3He	8.0+1		NRL SINGH+		655
				^{54}Fe e(E)		
	^3He	8.0+1		NRL SINGH+		582
	^3He	8.0+1		NRL SINGH+		617
	^3He	8.0+1		NRL SINGH+		636
				^{55}Fe e(E)		
	p	1.4+0	5.4+0	TRM KALLAS+		110
	p	2.8+0	3.6+0	KOU ROBERTSON+		109
	^3He	8.0+1		NRL SINGH+		583
	^3He	8.0+1		NRL SINGH+		618
	^3He	8.0+1		NRL SINGH+		657
				^{56}Fe e(E)		
	p	7.0+0	2.6+1	LRL KOOPMAN+		118
	^3He	8.0+1		NRL SINGH+		584
	^3He	8.0+1		NRL SINGH+		619
	^3He	8.0+1		NRL SINGH+		658
				^{57}Fe e(E)		
	^3He	8.0+1		NRL SINGH+		585
	^3He	8.0+1		NRL SINGH+		620
	^3He	8.0+1		NRL SINGH+		659
				^{58}Fe e(E)		
	^3He	8.0+1		NRL SINGH+		660
				^{59}Co e(E)		
	^3He	8.0+1		NRL SINGH+		586
	^3He	8.0+1		NRL SINGH+		621
	^3He	8.0+1		NRL SINGH+		661
				^{59}Co e(E)		
	^3He	8.0+1		NRL SINGH+		587
	^3He	8.0+1		NRL SINGH+		127*
	^3He	8.0+1		NRL SINGH+		622

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
⁵⁸Ni σ(E)						
⁶⁰ Cu	¹⁶ O	5.2+1	2.1+2	ANL	VIGOR+	1094
⁵⁸ Ni	p	2.7+1	5.7+1	TOK	TANAKA+	130
⁵⁷Ni σ(E)						
⁵⁶ Fe	³ He	8.0+1			NRL SINGH+	591
⁵⁸ Ni	p	1.3+1	5.7+1	TOK	TANAKA+	131
⁵⁸ Ni	³ He	8.0+1			NRL SINGH+	626
⁶⁰ Ni	p	4.1+1	5.5+1	TOK	TANAKA+	138
⁶⁴ Zn	³ He	8.0+1			NRL SINGH+	667
⁵⁸Ni σ(E)						
⁵⁶ Fe	³ He	8.0+1			NRL SINGH+	592
⁵⁸ Ni	³ He	8.0+1			NRL SINGH+	627
⁶⁴ Zn	³ He	8.0+1			NRL SINGH+	668
⁵⁹Ni σ(E)						
⁵⁶ Fe	³ He	8.0+1			NRL SINGH+	593
⁵⁸ Ni	³ He	8.0+1			NRL SINGH+	628
⁶⁴ Zn	³ He	8.0+1			NRL SINGH+	669
⁶⁰Ni σ(E)						
⁴⁶ Ti	¹⁶ O	2.8+1	5.8+1	SAC	BALLINI+	1095
⁵⁰ Cr	¹² C	2.8+1	5.8+1	SAC	BALLINI+	1017
⁵⁸ Ni	p	2.8+1	5.8+1	SAC	BALLINI+	779
⁶⁴ Zn	³ He	8.0+1			NRL SINGH+	670
⁶²Ni σ(E)						
⁶² Ni	p	7.0+0	2.6+1	LRL	KOOPMAN+	144
⁶⁴ Zn	³ He	8.0+1			NRL SINGH+	671
⁵⁹Cu σ(E)						
⁵⁸ Ni	³ He	8.0+1			NRL SINGH+	629
⁶⁴ Zn	³ He	8.0+1			NRL SINGH+	672
⁶⁰Cu σ(E)						
⁵⁸ Ni	³ He	8.0+1			NRL SINGH+	630
⁶⁰ Ni	p	6.7+0	1.5+1	TOK	TANAKA+	139
⁶⁴ Zn	³ He	8.0+1			NRL SINGH+	673
⁶³Cu σ(E)						
⁶⁰ Ni	a	5.1+1		KAZ	BURTEBAEV+	780
⁶¹ Ni	p	2.7+0		TOK	TANAKA+	141
⁶³ Ni	p	4.1+0		BRAGA.		142
⁶⁴ Zn	p	2.3+1		MIL	GUAZZONI+	160

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
⁶³Cu σ(E)						
⁶⁴ Zn	d	8.4+0	1.4+1	KTO	NISHI+	407
⁶⁴ Zn	³ He	8.0+1			NRL SINGH+	674
⁶²Cu σ(E)						
⁶⁰ Ni	a	2.3+1	3.9+1	BRK	GHOSAL.	781
⁶⁰ Ni	a	5.1+1		KAZ	BURTEBAEV+	782
⁶² Ni	p	4.9+0	1.5+1	TOK	TANAKA	145
⁶³ Cu	p	1.5+1	3.2+1	BRK	GHOSAL.	152
⁶⁴ Zn	d	3.2+0	1.4+1	KTO	NISHI+	408
⁶³Cu σ(E)						
⁶⁰ Ni	a	5.1+1		KAZ	BURTEBAEV+	783
⁶² Ni	p	2.5+0	2.5+0	SUL	KRAFT+	146
⁶⁴ Zn	³ He	8.0+1			NRL SINGH+	675
⁶⁴Cu σ(E)						
⁶⁴ Ni	d	3.5+0	1.5+1	TOK	TANAKA+	147
⁶⁵ Cu	d	1.9+1	8.5+1	MCG	MEGHIR+	156
⁶⁴Cu thick target yield						
⁵¹ V	¹⁶ O	3.2+1	4.0+1	ATH	PARADELLIS+	1100
⁶⁶Zn σ(E)						
	Cu	p	4.8+1		HIR YOSHIZAWA+	149
⁶¹Zn σ(E)						
⁵⁸ Ni	³ He	8.0+1			NRL SINGH+	631
	Cu	p	3.0+1		HIR YOSHIZAWA+	150
⁶⁴ Zn	³ He	8.0+1			NRL SINGH+	676
⁶²Zn σ(E)						
⁶⁰ Ni	a	2.0+1	3.9+1	BRK	GHOSAL.	784
⁶¹ Cu	p	1.5+1	3.2+1	BRK	GHOSAL.	153
⁶⁴ Zn	p	2.3+1	4.2+1	MIL	GUAZZONI+	161
⁶⁴ Zn	³ He	8.0+1			NRL SINGH+	677
⁶³Zn σ(E)						
⁶⁰ Ni	a	1.3+1	3.9+1	BRK	GHOSAL.	785
	Cu	p	2.5+1	5.2+1	HIR YOSHIZAWA+	151
⁶³ Cu	p	3.9+0	2.2+1	BRK	GHOSAL.	154
⁶⁴ Zn	p	2.3+1	4.2+1	MIL	GUAZZONI+	162
⁶⁴ Zn	³ He	8.0+1			NRL SINGH+	678

ISOTOPE PRODUCTION--EXPERIMENTAL (cont.)

Target	Inc	Emin (MeV)	Emax (MeV)	Lab	Author	No.
⁶⁴Zn product yield						
⁶³ Cu	p	3.1+0	3.3+0	KFI FODOR+		155
⁶⁴Zn σ(E)						
⁶⁴ Zn	p	7.0+0	2.6+1	LRL KOOPMAN+		163
⁶⁴ Zn	³ He	8.0+1		NRL SINGH+		679
⁶⁴Zn thick target yield						
⁵¹ V	¹⁶ O	3.2+1	4.0+1	ATH PARADELLIS+		1101
⁶⁵Zn σ(E)						
⁶⁴ Zn	d	3.5+0	1.4+1	KTO NISHI+		409
⁶⁵Zn thick target yield						
⁵¹ V	¹⁶ O	3.2+1	4.0+1	ATH PARADELLIS+		1102
⁶⁶Zn σ(E)						
⁶⁵ Cu	¹⁶ O	3.9+1	5.1+1	ORL WELLS+		1151
⁶⁶Ga σ(E)						
⁶⁴ Zn	d	1.3+1	1.4+1	KTO NISHI+		410
⁶⁴ Zn	³ He	8.0+1		NRL SINGH+		680
⁶⁵Ga σ(E)						
⁶⁴ Zn	d	3.2+0	1.4+1	KTO NISHI+		411
⁶⁵Ga thick target yield						
⁵¹ V	¹⁶ O	3.2+1	4.0+1	ATH PARADELLIS+		1103
⁶⁴ Zn	p	9.0-1	5.0+0	CLU ROUGHTON+		164
⁶⁷Ga product yield						
⁶⁶ Zn	d	1.6+1		NLP NEIRINKX+		412
⁶⁷Ga σ(E)						
⁵¹ V	¹⁶ O	7.7+1		GRE CHEVARIER+		1104
⁵⁵ Mn	¹² C	7.7+1		GRE CHEVARIER+		1022
⁶³ Cu	¹⁶ O	4.0+1	8.5+1	PAR LANGEVIN+		1131
⁶⁷Ga thick target yield						
⁵⁹ Co	¹⁶ O	4.2+1	5.2+1	TNL WALTNER+		1113
⁶⁶ Zn	d	1.6+1		NLP NEIRINKX+		413
⁶⁸Ga thick target yield						
⁵⁵ Mn	¹⁶ O	4.1+1		ATH COSTA+		1105

Target	Inc	Emin (MeV)	Emax (MeV)	Lab	Author	No.
⁶⁹Ga σ(E)						
⁶⁵ Cu	¹⁶ O	3.9+1	5.1+1	ORL WELLS+		1152
⁷⁰Ge σ(E)						
⁷⁸ Ge	d	1.1+1	1.4+1	KTO NISHI+		416
⁷⁸Ge σ(E)						
⁷⁸ Ge	d	8.7+0	1.4+1	KTO NISHI+		417
⁷⁸Ge thick target yield						
⁵⁵ Mn	¹⁶ O	4.1+1		ATH COSTA+		1106
⁷⁸Ge σ(E)						
⁶³ Cu	¹⁶ O	7.0+1	8.5+1	PAR LANGEVIN+		1132
⁷⁸Ge thick target yield						
⁵⁵ Mn	¹⁶ O	4.1+1		ATH COSTA+		1107
⁷⁸Ge thick target yield						
⁵⁹ Co	¹⁶ O	4.2+1	5.2+1	TNL WALTNER+		1114
⁷⁸Ge σ(E)						
⁷⁸ Ge	d	3.5+0	1.4+1	KTO NISHI+		418
⁶⁹As thick target yield						
⁵⁵ Mn	¹⁶ O	4.1+1		ATH COSTA+		1108
⁷⁰As σ(E)						
⁶³ Cu	¹⁶ O	5.0+1	8.5+1	PAR LANGEVIN+		1133
⁷¹As σ(E)						
⁶³ Cu	¹⁶ O	5.0+1	8.5+1	PAR LANGEVIN+		1134
⁷¹As thick target yield						
⁵⁹ Co	¹⁶ O	4.2+1	5.2+1	TNL WALTNER+		1115
⁷²As σ(E)						
⁶³ Cu	¹⁶ O	6.5+1	8.5+1	PAR LANGEVIN+		1135
⁷² Ge	d	5.0+0	6.3+0	KYU KIMURA+		175
⁷³As σ(E)						
⁷¹ Ga	e	4.4+1		FEI DMITRIEV+		794
⁷¹ Ga	p	2.2+1		FEI DMITRIEV+		173
⁷¹ Ga	d	2.2+1		FEI DMITRIEV+		414

ISOTOPE PRODUCTION--EXPERIMENTAL (cont)

Target	Inc	Emin (MeV)	Emax (MeV)	Lab	Author	No.
⁷³As $\sigma(E)$						
Ge	α	4.4+1		FEI DMITRIEV+		796
⁷³As thick target yield						
⁵⁹ Co	¹⁶ O	4.2+1	5.2+1	TNL WALTNER+		1116
⁷⁴As $\sigma(E)$						
⁷¹ Ga	α	4.4+1		FEI DMITRIEV+		795
Ge	p	2.2+1		FEI DMITRIEV+		174
Ge	d	2.2+1		FEI DMITRIEV+		415
Ge	α	4.4+1		FEI DMITRIEV+		797
⁷² Ge	α	3.0+1	5.5+1	CNE BERMUDEZ+		799
⁷³ As	p	2.2+1		FEI DMITRIEV+		177
⁷³ As	d	2.3+1		FEI DMITRIEV+		421
⁷³ As	α	4.3+1		FEI DMITRIEV+		806
⁷⁴As thick target yield						
⁷⁴ Ge	p	3.5+0	5.0+0	CLU ROUGHTON+		176
⁷⁵As $\sigma(E)$						
⁶³ Cu	¹⁶ O	3.9+1	5.1+1	ORL WELLS+		1153
⁷⁵As thick target yield						
Br	α	1.0+2		KFK HELUS+		807
⁷⁵As thick target yield						
Br	α	TR	2.4+1	KFK MICHEL+		809
Br	α	1.0+2		KFK HELUS+		808
⁷⁸As $\sigma(E)$						
⁷⁸ Ge	d	3.5+0	1.4+1	KTO NISHI+		419
⁷⁹As $\sigma(E)$						
⁷⁸ Ge	d	3.2+0	1.4+1	KTO NISHI+		420
⁸⁸Se $\sigma(E)$						
⁵⁹ Co	¹⁶ O	+1	1.2+2	YAL LA-BRECQUE+		1117
⁶⁹Se $\sigma(E)$						
⁵⁹ Co	¹⁴ N	5.5+1	1.2+2	YAL LA-BRECQUE+		1059
⁵⁹ Co	¹⁶ O	+1	1.2+2	YAL LA-BRECQUE+		1118
⁷⁰Se $\sigma(E)$						
⁵⁹ Co	¹⁴ N	+1	1.2+2	YAL LA-BRECQUE+		1060
⁵⁹ Co	¹⁶ O	+1	1.2+2	YAL LA-BRECQUE+		1119

Target	Inc	Emin (MeV)	Emax (MeV)	Lab	Author	No.
⁷¹Se $\sigma(E)$						
⁷⁰ Ge	α	+1	1.2+2	YAL LA-BRECQUE+		798
⁷²Se $\sigma(E)$						
⁵⁶ Fe	¹⁶ O	7.7+1		GRE CHEVARIER+		1112
⁶⁰ Ni	¹² C	7.7+1		GRE CHEVARIER+		1027
⁷²Se thick target yield						
⁵⁹ Co	¹⁶ O	4.2+1	5.2+1	TNL WALTNER+		1120
⁷³Se $\sigma(E)$						
⁶³ Cu	¹⁶ O	5.0+1	8.5+1	PAR LANGEVIN+		1136
⁷³ As	p	3.0+1	8.0+1	MCG BRODOVITCH+		178
⁷³Se thick target yield						
⁵⁹ Co	¹⁶ O	4.2+1	5.2+1	TNL WALTNER+		1121
⁷³Se $\sigma(E)$						
⁶³ Cu	¹⁶ O	5.0+1	8.5+1	PAR LANGEVIN+		1137
⁷³Se $\sigma(E)$						
⁶³ Cu	¹⁶ O	5.0+1	8.5+1	PAR LANGEVIN+		1138
⁷⁵Se $\sigma(E)$						
⁶³ Cu	¹⁶ O	3.9+1	5.1+1	ORL WELLS+		1154
⁷³ As	p	1.0+1	8.0+1	MCG BRODOVITCH+		179
⁷⁶Se $\sigma(E)$						
⁶³ Cu	¹⁶ O	3.9+1	5.1+1	ORL WELLS+		1155
⁷⁸Se $\sigma(E)$						
⁶³ Cu	¹⁶ O	3.9+1	5.1+1	ORL WELLS+		1156
⁷²Br $\sigma(E)$						
⁷² Ge	α	3.0+1	5.5+1	CNE BEHAR+		800
⁷³Br $\sigma(E)$						
⁶³ Cu	¹⁶ O	5.5+1	8.5+1	PAR LANGEVIN+		1139
⁷² Ge	α	3.0+1	5.5+1	CNE BEHAR+		801
⁷⁴Br $\sigma(E)$						
⁶³ Cu	¹⁶ O	4.5+1	8.5+1	PAR LANGEVIN+		1140
⁷² Ge	α	3.0+1	5.5+1	CNE BEHAR+		802

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
⁷⁵Br $\sigma(E)$						
⁶³ Cu	¹⁶ O	5.5+1	8.5+1	PAR LANGEVIN+		1141
⁶⁵ Cu	¹⁶ O	3.9+1	5.1+1	ORL WELLS+		1157
⁷⁵Br thick target yield						
Br	α	1.0+2		KFK HELUS+		810
⁷⁶Br $\sigma(E)$						
⁶³ Cu	¹⁶ O	4.0+1	8.5+1	PAR LANGEVIN+		1142
⁶⁵ Cu	¹⁶ O	3.9+1	5.1+1	ORL WELLS+		1158
⁷⁶Br thick target yield						
Br	α	1.0+2		KFK HELUS+		811
⁷⁷Br $\sigma(E)$						
⁶³ Cu	¹⁶ O	4.5+1	8.5+1	PAR LANGEVIN+		1143
⁶⁵ Cu	¹⁶ O	3.9+1	5.1+1	ORL WELLS+		1159
⁷⁷Br thick target yield						
Br	α	6.0+1	1.0+2	KFK HELUS+		812
⁷⁸Br $\sigma(E)$						
⁶³ Cu	¹⁶ O	3.9+1	5.1+1	ORL WELLS+		1160
⁷⁹Br $\sigma(E)$						
⁶³ Cu	¹⁶ O	3.9+1	5.1+1	ORL WELLS+		1161
⁷²Ge $\sigma(E)$						
⁷² Ge	α	3.0+1	5.5+1	CNE BEHAR+		803
⁷³Kr $\sigma(E)$						
⁷² Ge	α	3.0+1	5.5+1	CNE BEHAR+		804
⁷⁴Kr $\sigma(E)$						
⁷² Ge	α	3.0+1	5.5+1	CNE BEHAR+		805
⁷⁴Kr thick target yield						
⁶¹ Ni	¹⁶ O	4.2+1	5.0+1	ORL WELLS+		1126
⁷⁵Kr $\sigma(E)$						
⁶³ Cu	¹⁶ O	6.5+1	8.5+1	PAR LANGEVIN+		1144
⁷⁶Kr $\sigma(E)$						
⁶³ Cu	¹⁶ O	4.5+1	8.5+1	PAR LANGEVIN+		1145

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
⁷⁷Kr $\sigma(E)$						
⁶³ Cu	¹⁶ O	4.0+1	8.5+1	PAR LANGEVIN+		1146
⁷⁷Kr thick target yield						
Br	α	1.0+2		KFK HELUS+		813
⁷⁸Kr $\sigma(E)$						
⁶³ Cu	¹⁶ O	3.9+1	5.1+1	ORL WELLS+		1162
⁷⁹Kr $\sigma(E)$						
⁶³ Cu	¹⁶ O	3.9+1	5.1+1	ORL WELLS+		1163
⁷⁹Kr thick target yield						
Br	α	1.0+2		KFK HELUS+		814
⁷⁷Rb $\sigma(E)$						
⁶³ Cu	¹⁶ O	4.0+1	8.5+1	PAR LANGEVIN+		1147
⁷⁸Rb $\sigma(E)$						
⁶³ Cu	¹⁶ O	3.9+1	5.1+1	ORL WELLS+		1164
⁷⁹Rb $\sigma(E)$						
⁶³ Cu	¹⁶ O	4.0+1	8.5+1	PAR LANGEVIN+		1148
⁶⁵ Cu	¹⁶ O	3.9+1	5.1+1	ORL WELLS+		1165
⁸¹Rb product yield						
Rb	α	2.0+1	1.6+2	HRV SCHNEIDER+		180
⁸¹Rb $\sigma(E)$						
⁸⁵ Rb	α	6.8+1		HRV SCHNEIDER+		182
⁹⁰ Zr	α	5.6+1	8.6+1	MCG KANTELO+		210
⁸¹Rb thick target yield						
Br	α	1.0+2		KFK HELUS+		815
⁸¹Rb $\sigma(E)$						
⁸² Kr	α	2.2+1		ANL GINDLER+		423
⁸²Rb $\sigma(E)$						
⁹⁰ Zr	α	4.4+1	8.6+1	MCG KANTELO+		211
⁸²Rb $\sigma(E)$						
⁸² Kr	α	2.2+1		ANL GINDLER+		424

ISOTOPE PRODUCTION--EXPERIMENTAL (cont)

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
⁸²Rb thick target yield						
P ⁻	α	1.0-2		KFK HELUS+		816
				⁸³ Rb α(E)		
⁹⁰ Zr	p	3.8-1	8.6-1	MCG KANTELO+		212
⁸³Rb thick target yield						
Br	α	1.0-2		KFK HELUS+		817
				⁸³ Rb α(E)		
⁸² Kr	d	2.2-1		ANL GINDLER+		425
				⁸⁴ Rb α(E)		
⁹⁰ Zr	p	3.0-1	8.6-1	MCG KANTELO+		213
⁸¹Sr product yield						
⁸³ Rb	p	NOG		HAR SYNE+		183
⁸⁷ Rb	p	NOG		HAR SYNE+		185
				⁸¹ Sr α(E)		
⁸³ Rb	p	6.9-1		HRV SCHNEIDER+		184
				⁸² Sr α(E)		
⁹⁰ Zr	p	8.0-1	8.6-1	MCG KANTELO+		214
⁸²Sr thick target yield						
Rb	p	4.8-1		GRN BUKSHIPAN+		181
				⁸³ Sr α(E)		
⁹⁰ Zr	p	6.2-1	8.6-1	MCG KANTELO+		215
				⁸³ Sr α(E)		
⁹⁰ Zr	p	3.8-1	8.6-1	MCG KANTELO+		216
⁸³Y thick target yield						
⁸⁶ Sr	p	5.5-1		GRN BUKSHIPAN+		186
				⁸⁴ Y α(E)		
⁸⁹ Y	p	6.6-1	8.5-1	MCG SAHA+		188 +
				⁸⁶ Y α(E)		
⁹⁰ Zr	p	5.6-1	8.6-1	MCG KANTELO+		217
⁸³Y ratio metastable/ground state						
⁸⁹ Y	p	6.0-1	8.5-1	MCG SAHA+		190 +
				⁸³ Y α(E)		
⁹⁰ Zr	p	6.0-1	8.5-1	MCG SAHA+		191 +
				⁸³ Y α(E)		
⁸⁹ Y	p	6.0-1	8.5-1	MCG SAHA+		192
				⁸⁶ Y ratio metastable/ground state		
⁸⁹ Y	p	4.5-1	8.5-1	MCG SAHA+		193 +
				⁸⁶ Y α(E)		
⁸⁹ Y	p	3.7-1	8.5-1	MCG SAHA+		194 +
⁹⁰ Zr	p	2.4-1	8.6-1	MCG KANTELO+		219
				⁸⁶ Y α(E)		
⁸⁹ Y	p	4.5-1	8.5-1	MCG SAHA+		195 +
				⁸⁶ Y α(E)		
⁸⁹ Y	p	4.5-1	8.5-1	MCG SAHA+		196 +
⁸⁹ Y	p	2.6-1	4.0-1	KFK FLACH+		681
⁸⁷Y product yield						
⁹⁰ Zr	p	3.5-1		ZUR GUYER+		220
⁸⁷Y ratio metastable/ground state						
⁸⁹ Y	p	2.5-1	8.5-1	MCG SAHA+		197 +
				⁸⁷ Y α(E)		
⁸⁹ Y	p	2.5-1	8.5-1	MCG SAHA+		198 +
⁹⁰ Zr	p	1.2-1	8.6-1	MCG KANTELO+		221
				⁸⁷ Y α(E)		
⁸⁹ Y	p	2.5-1	8.5-1	MCG SAHA+		199 +
				⁸⁷ Y α(E)		
⁸⁹ Y	p	2.5-1	8.5-1	MCG SAHA+		200 +
⁸⁹ Y	p	1.3-1	4.0-1	KFK FLACH+		682
⁸⁷Y ratio metastable/ground state						
⁸⁶ Sr	p	0	5.8-0	KTY SEKHARAN+		187 +
⁸⁹ Y	p	1.5-1	8.5-1	MCG SAHA+		201 +
⁸⁹ Y	p	0	4.0-1	KFK FLACH+		683

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
					⁸⁸ Y $\sigma(E)$	
⁹⁰ Zr	p	3.0+1	8.6+1	MCG KANTELO+		222
					⁹⁰ Y $\sigma(E)$	
⁸⁹ Y	d	5.0+0	1.5+1	KTO OKAMURA+		426
					⁹⁰ Y $\sigma(E)$	
⁸⁹ Y	d	5.0+0	1.5+1	KTO OKAMURA+		427
⁸⁹ Y	³ He	1.5+1	4.0+1	KFK FLACH+		684
					⁸⁶ Zr $\sigma(E)$	
⁸⁹ Y	p	4.5+1	8.5+1	MCG SAHA+		202 +
					⁸⁷ Zr $\sigma(E)$	
⁸⁹ Y	p	3.1+1	8.5+1	MCG SAHA+		203 +
					⁸⁸ Zr $\sigma(E)$	
⁸⁹ Y	p	1.5+1	8.5+1	MCG SAHA+		204 +
⁸⁹ Y	³ He	+0	4.0+1	KFK FLACH+		685
⁹³ Nb	³ He	+0	4.0+1	KFK FLACH+		690
					⁸⁹ Zr $\sigma(E)$	
⁸⁹ Y	p	3.9+0	4.4+1	MIL BIRATTARI+		206 +
⁸⁹ Y	p	5.0+0	8.5+1	MCG SAHA+		205 +
⁸⁹ Y	³ He	+0	4.0+1	KFK FLACH+		686
⁹³ Nb	³ He	+0	4.0+1	KFK FLACH+		691
					⁹⁰ Zr $\sigma(E)$	
⁸⁹ Y	p	2.2+0	4.8+0	FRK RIPPL+		207
⁸⁹ Y	p	1.4+1	2.7+1	LRL DIETRICH+		208
					⁸⁸ Nb $\sigma(E)$	
⁸⁹ Y	³ He	3.5+1	4.0+1	KFK FLACH+		687
					⁸⁹ Nb $\sigma(E)$	
⁸⁹ Y	³ He	2.0+1	4.0+1	KFK FLACH+		688
					⁹⁰ Nb $\sigma(E)$	
⁸⁹ Y	³ He	1.3+1	4.0+1	KFK FLACH+		689
					⁹¹ Nb $\sigma(E)$	
⁹⁴ Zr	p	1.7+0	3.0+0	CCP FEDORETZ+		225
					⁹² Nb product yield	
⁹² Zr	p	4.0+0	5.3+0	KTY HAGEN+		223

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
					⁹² Nb $\sigma(E)$	
⁹² Zr	p	NDG		KTY HAGEN+		224
					⁹⁴ Nb $\sigma(E)$	
⁹⁴ Zr	p	NDG		KTY HAGEN+		226
					⁹² Mo product yield	
⁹² Mo	p	7.0+0	8.5+0	ATH PAPOGPQULOS+		231
					⁹³ Mo $\sigma(E)$	
⁹³ Nb	p	3.0+0	8.0+0	OSA TAKAHASHI+		227
					⁹² Tc $\sigma(E)$	
⁹³ Nb	³ He	+0	4.0+1	KFK FLACH+		692
					⁹³ Tc $\sigma(E)$	
⁹³ Nb	³ He	+0	4.0+1	KFK FLACH+		693
					⁹³ Tc thick target yield	
⁹² Mo	p	1.5+0	5.0+0	CLU ROUGHTON+		232
					⁹⁴ Tc $\sigma(E)$	
⁹³ Nb	³ He	+0	4.0+1	KFK FLACH+		694
⁹⁴ Mo	p	NDG		KTY HAGEN+		233
⁹⁴ Mo	d	8.0+0	1.1+1	IJI ALEKSANDROV+		431
					⁹⁵ Tc $\sigma(E)$	
⁹⁴ Mo	d	5.0+0	1.1+1	IJI ALEKSANDROV+		432
⁹⁵ Mo	p	NDG		KTY HAGEN+		234
					⁹⁵ Tc thick target yield	
⁹³ Nb	a	9.0+0	4.3+1	CCP DMITRIEV+		818
Mo	p	5.0+0	2.2+1	CCP DMITRIEV+		228
Mo	d	5.0+0	2.2+1	CCP DMITRIEV+		428
Mo	a	7.5+0	4.2+1	CCP DMITRIEV+		821
					⁹⁶ Tc $\sigma(E)$	
⁹³ Nb	a	1.1+1	1.4+1	PAD BINI+		819
⁹⁶ Mo	p	NDG		KTY HAGEN+		236
					⁹⁶ Tc thick target yield	
⁹³ Nb	a	7.0+0	4.3+1	CCP DMITRIEV+		820
Mo	p	5.0+0	2.2+1	CCP DMITRIEV+		229
Mo	d	5.0+0	2.2+1	CCP DMITRIEV+		429
Mo	a	1.6+1	4.2+1	CCP DMITRIEV+		822

Target	Inc	Emin (MeV)	Emax (MeV)	Lab	Author	No.
⁹⁶Tc thick target yield						
⁹⁵ Mo	p	1.6+0	4.5+0	CLU ROUGHTON+		235
⁹⁶ Mo	p	TR	5.0+0	CLU ROUGHTON+		237
⁹⁷Tc product yield						
⁹⁷ Mo	p	3.0+0	6.0+0	ATH XENOULIS+		238
⁹⁷Tc thick target yield						
Mo	p	5.0+0	2.2+1	CCP DMITRIEV+		230
Mo	d	5.0+0	2.2+1	CCP DMITRIEV+		430
⁹⁸Tc σ(E)						
⁹⁸ Mo	p	NDG		KTY HAGEN+		239
⁹⁹Pd σ(E)						
⁷⁰ Ge	³² S	1.1+2	1.4+2	BNL PIEL+		1261
⁹¹ Zr	¹² C	5.6+1	6.6+1	BNL PIEL+		1028
¹⁰²Pd σ(E)						
⁹² Zr	¹³ C	5.1+1		PUR GRAU+		1043
¹⁰³Pd σ(E)						
²³⁸ U	p	4.0+2		PUR PANONTIN+		356
¹⁰⁴Pd σ(E)						
⁹⁴ Zr	¹³ C	4.7+1		PUR GRAU+		1044
¹⁰³ Rh	α	5.1+1		KAZ BURTEBAEV+		823
¹⁰⁵Pd σ(E)						
¹⁰³ Rh	α	5.1+1		KAZ BURTEBAEV+		824
¹⁰⁶Pd σ(E)						
⁹⁶ Zr	¹³ C	4.5+1		PUR GRAU+		1045
¹⁰³ Rh	α	5.1+1		KAZ BURTEBAEV+		825
¹⁰⁸Pd σ(E)						
¹⁰⁸ Pd	p	7.0+0	2.6+1	LRL KOOPMAN+		240
¹¹¹Pd σ(E)						
²³⁸ U	p	2.0+1	8.5+1	MCG SARKAR+		357
¹¹²Pd σ(E)						
²³⁸ U	p	2.0+1	8.5+1	MCG SARKAR+		358

Target	Inc	Emin (MeV)	Emax (MeV)	Lab	Author	No.
¹⁰⁸Ag σ(E)						
¹⁰⁸ Pd	p	2.6+0	4.0+0	TIT HATTORI+		241
¹¹⁰Ag σ(E)						
¹¹⁰ Pd	p	1.6+0	4.0+0	TIT HATTORI+		242
¹¹¹Ag σ(E)						
²³⁸ U	p	2.0+1	8.5+1	MCG SARKAR+		359
¹¹²Ag σ(E)						
²³⁸ U	p	2.0+1	8.5+1	MCG SARKAR+		360
¹¹³Ag σ(E)						
²³⁸ U	p	2.0+1	8.5+1	MCG SARKAR+		361
¹¹⁵Ag σ(E)						
²³⁸ U	p	2.0+1	8.5+1	MCG SARKAR+		362
¹¹⁰Cd σ(E)						
¹¹⁰ Cd	p	7.0+0	2.6+1	LRL KOOPMAN+		243
¹¹⁴Cd σ(E)						
¹¹⁴ Cd	p	7.0+0	2.6+1	LRL KOOPMAN+		248
¹¹⁵Cd σ(E)						
²³⁸ U	p	2.0+1	8.5+1	MCG SARKAR+		363
¹¹⁶Cd σ(E)						
¹¹⁶ Cd	p	7.0+0	2.6+1	LRL KOOPMAN+		252
¹¹⁷Cd ratio metastable/ground state						
¹¹⁶ Cd	d	7.5+0	1.2+1	SUL ZAPYUIN+		433
^{117m}Cd σ(E)						
¹¹⁶ Cd	d	7.5+0	1.2+1	SUL ZAPYUIN+		434
^{117m}Cd σ(E)						
¹¹⁶ Cd	d	7.5+0	1.2+1	SUL ZAPYUIN+		435
¹⁰⁵In σ(E)						
¹⁰⁶ Cd	³ He	3.2+1	5.9+1	KAZ BURMINSKIT+		695

ISOTOPE PRODUCTION—EXPERIMENTAL (cont.)

Targt	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
					¹⁰⁶ In σ(E)	
¹⁰⁶ Cd	³ He	2.1+1	5.9+1	KAZ BURMINSKII+		696
					¹⁰⁷ In σ(E)	
¹⁰⁶ Cd	³ He	2.1+1	5.9+1	KAZ BURMINSKII+		697
					^{107m} In σ(E)	
¹⁰⁶ Cd	³ He	2.1+1	4.5+1	KAZ BURMINSKII+		698
					¹¹⁰ In σ(E)	
¹¹⁰ Cd	p	6.3+0	7.3+0	CCP ABRAMOVICH+		244
					¹¹¹ In σ(E)	
¹¹¹ Cd	p	6.0+0	1.1+1	UPP DIETRICH+		245
					¹¹² In σ(E)	
¹¹² Cd	p	6.6+0	7.8+0	CCP ABRAMOVICH+		246
					¹¹³ In σ(E)	
¹¹³ Cd	p	6.0+0	1.1+1	UPP DIETRICH+		247
					¹¹⁴ In RHM	
¹¹⁴ Cd	p	4.0+0	9.0+0	CCP SKAKUN+		249
					¹¹⁴ In RMT	
¹¹⁴ Cd	p	4.0+0	9.0+0	CCP SKAKUN+		250
					¹¹⁴ In	
¹¹⁴ Cd	p	7.0+0	8.2+0	CCP ABRAMOVICH+		251
					¹¹⁵ In	
²³⁸ U	p	2.0+1	8.5+1	MCG SARKAR+		364
					¹¹⁶ In RHM	
¹¹⁶ Cd	p	5.0+0	9.0+0	CCP SKAKUN+		253
					¹¹⁶ In	
¹¹⁶ Cd	p	7.3+0	8.5+0	CCP ABRAMOVICH+		254
¹¹⁶ Cd	d	7.5+0	1.2+1	SUL ZAPYUIN+		436
					¹¹⁷ In ratio ground/metastable state	
²³⁸ U	p	2.0+1	8.5+1	MCG SARKAR+		365
					¹¹⁷ In ratio metastable/ground state	
¹¹⁶ Cd	d	7.5+0	1.2+1	SUL ZAPYUIN+		437

Targt	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
					¹¹⁷ In σ(E)	
²³⁸ U	p	2.0+1	8.5+1	MCG SARKAR+		366
					^{117m} In σ(E)	
¹¹⁶ Cd	d	7.5+0	1.2+1	SUL ZAPYUIN+		438
					^{117m} In σ(E)	
¹¹⁶ Cd	d	7.5+0	1.2+1	SUL ZAPYUIN+		439
					¹¹⁹ In σ(E)	
¹²⁰ Sn	¹⁸ O	7.2+1		MUU SPIELER+		1222
					¹⁰⁶ Sn σ(E)	
¹⁰⁶ Cd	³ He	2.1+1	5.9+1	KAZ BURMINSKII+		699
					¹⁰⁷ Sn σ(E)	
¹⁰⁶ Cd	³ He	2.1+1	4.7+1	KAZ BURMINSKII+		700
					¹¹⁶ Sn σ(E)	
¹¹⁶ Sn	p	7.0+0	2.6+1	LRL KOOPMAN+		255
					¹²⁰ Sn σ(E)	
¹²⁰ Sn	¹⁸ O	7.2+1		MUU SPIELER+		1223
¹²² Sn	¹⁸ O	7.4+1		MUU SPIELER+		1182
					¹²¹ Sn σ(E)	
¹²⁰ Sn	¹⁸ O	7.2+1		MUU SPIELER+		1224
¹²² Sn	¹⁸ O	7.4+1		MUU SPIELER+		1183
					¹²² Sn σ(E)	
¹²⁰ Sn	¹⁸ O	7.2+1		MUU SPIELER+		1225
¹²² Sn	¹⁸ O	7.4+1		MUU SPIELER+		1184
					¹²³ Sn σ(E)	
¹²² Sn	¹⁶ O	7.4+1		MUU SPIELER+		1185
					¹²⁸ Sn σ(E)	
¹²⁰ Sn	¹⁸ O	7.2+1		MUU SPIELER+		1226
					¹²⁹ Sn σ(E)	
¹²⁰ Sn	¹⁸ O	7.2+1		MUU SPIELER+		1227
					¹¹⁷ Sb σ(E)	
¹¹⁷ Sn	p	TR	7.1+0	ORL JOHNSON+		256

ISOTOPE PRODUCTION--EXPERIMENTAL (cont)

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
¹¹⁸ Sn	p	TR	7.1+0	ORL JOHNSON+		257
				¹¹⁸ Sb $\sigma(E)$		
¹¹⁸ Sn	α	TR	7.1+0	ORL JOHNSON+		258
				¹²⁰ Sb $\sigma(E)$		
¹²⁰ Sn	p	TR	7.1+0	ORL JOHNSON+		259
				¹²¹ Sb $\sigma(E)$		
¹²⁰ Sn	α	7.2+1	7.4+1	ORL JOHNSON+		1228
¹²² Sn	α	7.4+1		MUJ SPIELER+		1186
				¹²² Sb $\sigma(E)$		
¹²⁰ Sn	α	7.2+1		MUJ SPIELER+		1229
¹²² Sn	α	7.4+1		MUJ SPIELER+		260
¹²² Sn	α	7.4+1		MUJ SPIELER+		1187
				¹²³ Sb $\sigma(E)$		
¹²⁰ Sn	α	7.2+1		MUJ SPIELER+		1330
¹²² Sn	α	7.4+1		MUJ SPIELER+		1188
				¹²⁴ Sb $\sigma(E)$		
¹²⁰ Sn	α	7.4+1		MUJ SPIELER+		1189
¹²² Sn	α	7.4+1		MUJ SPIELER+		261
				¹²¹ Te thick target yield		
¹²⁰ Sn	α	2.0+1		GRN BUKSHAN+		262
¹²⁷ I	α	1.0+2		KFK HELUS+		826
				¹²² Te $\sigma(E)$		
¹²⁰ Sn	α	7.2+1		MUJ SPIELER+		1231
				¹²³ Te $\sigma(E)$		
¹²⁰ Sn	α	7.2+1		MUJ SPIELER+		1232
¹²² Sn	α	7.4+1		MUJ SPIELER+		1190
				¹²⁴ Te $\sigma(E)$		
¹²⁰ Sn	α	7.2+1		MUJ SPIELER+		1233
¹²² Sn	α	7.4+1		MUJ SPIELER+		1191
				¹²⁵ Te $\sigma(E)$		
¹¹⁸ Sn	α	7.2+1		MUJ SPIELER+		1234
¹²² Sn	α	7.4+1		MUJ SPIELER+		1192
				¹²⁴ Te $\sigma(E)$		
¹²⁰ Sn	α	7.2+1		MUJ SPIELER+		1235
¹²² Sn	α	7.4+1		MUJ SPIELER+		1193
				¹³¹ Te $\sigma(E)$		
¹³⁰ Te	d	4.3+0	1.4+1	KTO OKAMURA+		440
				¹³¹ Te $\sigma(E)$		
¹³⁰ Te	d	4.3+0	1.4+1	KTO OKAMURA+		441
				¹³¹ Te $\sigma(E)$		
¹²⁷ I	α	1.0+2		KFK HELUS+		827
				¹²³ I thick target yield		
¹²⁷ I	α	6.0+1	1.0+2	KFK HELUS+		828
				¹²⁴ I thick target yield		
¹²⁷ I	α	1.0+2		KFK HELUS+		829
				¹²⁵ I thick target yield		
¹²⁷ I	α	1.0+2		KFK HELUS+		830
				¹²⁶ I thick target yield		
¹²⁷ I	α	1.0+2		KFK HELUS+		831
				¹²⁷ I $\sigma(E)$		
¹²⁵ Sn	α	7.4+1		MUJ SPIELER+		1194
				¹²⁸ Sn $\sigma(E)$		
¹²⁷ Te	p	1.7+1		MCG DIKSIC+		263
¹²⁷ Te	p	1.7+1		MCG DIKSIC+		346
¹²⁷ Te	p	1.7+1		MCG DIKSIC+		349
				¹¹⁹ Ag $\sigma(E)$		
¹⁰⁶ Cd	α	5.3+1	6.6+1	HEI CONRAD+		1171
				¹²⁰ Ag $\sigma(E)$		
¹⁰⁶ Cd	α	5.3+1	6.6+1	HEI CONRAD+		1172
				¹²¹ Ag $\sigma(E)$		
¹²⁷ I	p	TR	1.6+2	HAR SYME+		264
				¹²³ Ag $\sigma(E)$		
¹²⁷ I	p	TR	1.6+2	HAR SYME+		266
				¹²⁴ Ag $\sigma(E)$		

ISOTOPE PRODUCTION--EXPERIMENTAL(cont)

Target	Inc	Emin (MeV)	Emax (MeV)	Lab	Author	No.
127I	p	4.3+1	6.6+1	GRN PAANGS+	123Xe e(E)	265
127I	p	4.3+1	6.6+1	GRN PAANGS+	123Xe thick target yield	265
127I	p	6.5+1	GRN PAANGS+			267
127I	p	1.0+2	KFK HELUS+			832
127I	p	TR	1.6+2	HAR SYNE+	125Xe e(E)	269
127I	p	4.3+1	6.6+1	GRN PAANGS+		266
127I	p	6.5+1	GRN PAANGS+			270
127I	p	1.0+2	KFK HELUS+			833
127I	p	1.0+2	KFK HELUS+			834
127I	p	NDG	129Xe product yield			271
127I	p	1.0+2	KFK HELUS+			835
127I	p	4.5+1	GRN BUKSHIPAN+			836
139La	p	2.0+1	1.7+2	PAR KRUPA+	134Cs ratio metastable/ground state	272
139La	p	3.0+1	1.6+2	PAR KRUPA+	135Cs ratio metastable/ground state	273
139La	p	4.0+1	1.5+2	PAR KRUPA+	135Cs e(E)	274
139La	p	4.0+1	1.5+2	PAR KRUPA+	135Cs e(E)	275
106Cd	p	5.3+1	6.6+1	HEI CONRAD+	121Ba e(E)	1173
106Cd	p	5.3+1	6.6+1	HEI CONRAD+		1175
106Cd	p	5.3+1	6.6+1	HEI CONRAD+		1174
108Cd	p	5.3+1	6.6+1	HEI CONRAD+	122Ba e(E)	1176
108Cd	p	5.3+1	6.6+1	HEI CONRAD+		1177
108Cd	p	5.3+1	6.6+1	HEI CONRAD+		1179
108Cd	p	5.3+1	6.6+1	HEI CONRAD+		1178
108Cd	p	5.3+1	6.6+1	HEI CONRAD+		1180
139La	p	2.0+1	MIL MILAZZO-COLL+			276
140Ce	p	2.0+1	MIL MILAZZO-COLL+			278
150Nd	p	1.8+1	MIL MILAZZO-COLL+			287
141Pr	p	3.8+1	8.5+1	MCG HOGAN.		279
141Pr	p	2.5+1	8.5+1	MCG HOGAN.	139Nd ratio metastable/ground state	280
141Pr	p	2.5+1	8.5+1	MCG HOGAN.		281
141Pr	p	2.5+1	8.5+1	MCG HOGAN.		282
141Pr	p	2.5+1	8.5+1	MCG HOGAN.		283
141Pr	p	9.0+0	8.5+1	MCG HOGAN.		284
141Pr	p	9.0+0	3.8+1	MCG HOGAN.		285
142Ce	p	2.2+1	IFL BERZIN+			837

ISOTOPE PRODUCTION--EXPERIMENTAL (cont)

Targt	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
¹⁴² Nd	p	5.0+0	1.0+1	ROS FUNKE+		286
¹⁴² Nd	p	1.4+1		ROS FUNKE+		442
¹⁴⁷ Sm	p	1.8+1		¹⁴⁷ Pm e(E)		289 +
				MIL MILAZZO-COLLI+		
¹⁵⁰ Sm	p	2.0+1		¹⁴⁷ Pm e(E)		290
				MIL MILAZZO-COLLI+		
²³² Th	α	2.7+1	4.5+1	¹⁴⁸ Pm recto metastable/ground state		914
				NUN AUMANN+		
²³² Th	α	2.7+1	4.5+1	¹⁴⁸ Pm fission yield		915
				NUN AUMANN+		
²³² Th	α	2.7+1	4.5+1	¹⁴⁸ Pm fission yield		916
				NUN AUMANN+		
¹⁵² Sm	p	1.8+1		¹⁴⁹ Pm e(E)		291 +
				MIL MILAZZO-COLLI+		
¹⁵⁴ Sm	p	1.8+1		¹⁵¹ Pm e(E)		292 +
				MIL MILAZZO-COLLI+		
¹⁴⁴ Sm	p	5.0+0	1.0+1	¹⁴⁴ Eu e(E)		288
¹⁴⁴ Sm	p	1.4+1		ROS FUNKE+		443
¹⁵¹ Eu	p	4.9+1	5.2+1	¹⁴⁶ Eu e(E)		293
				TOK KOMURA+		
¹⁵¹ Eu	p	6.2+0	5.2+1	¹⁴⁶ Eu e(E)		303
				TOK KOMURA+		
¹⁵¹ Eu	p	3.9+1	5.2+1	¹⁴⁷ Eu e(E)		294
				TOK KOMURA+		
¹⁵¹ Eu	p	3.9+1	5.2+1	¹⁴⁷ Eu e(E)		304
				TOK KOMURA+		
¹⁵¹ Eu	p	2.9+1	5.2+1	¹⁴⁸ Eu e(E)		295
				TOK KOMURA+		
¹⁵¹ Eu	p	2.9+1	5.2+1	¹⁴⁸ Eu e(E)		305
				TOK KOMURA+		
¹⁵¹ Eu	p	2.9+1	5.2+1	¹⁴⁹ Eu e(E)		296
¹⁵¹ Eu	p	2.9+1	5.2+1	¹⁴⁹ Eu e(E)		306
				TOK KOMURA+		
¹⁵⁶ Gd	p	2.0+1		¹⁵⁵ Eu e(E)		318
				MIL MILAZZO-COLLI+		
¹⁴⁴ Sm	α	9.2+1	1.3+2	¹⁴² Gd e(E)		838
				JUL MARISCOTTI+		
¹⁵¹ Eu	p	4.6+1	5.2+1	¹⁴⁶ Gd e(E)		297
¹⁵¹ Eu	p	4.6+1	5.2+1	¹⁴⁶ Gd e(E)		307
¹⁵¹ Eu	p	3.7+1	5.2+1	¹⁴⁷ Gd e(E)		298
¹⁵¹ Eu	p	3.7+1	5.2+1	¹⁴⁷ Gd e(E)		308
¹⁵¹ Eu	p	2.6+1	5.2+1	¹⁴⁸ Gd e(E)		299
¹⁵¹ Eu	p	2.6+1	5.2+1	¹⁴⁸ Gd e(E)		309
¹⁵¹ Eu	p	1.7+1	5.2+1	¹⁴⁹ Gd e(E)		300
¹⁵¹ Eu	p	1.7+1	5.2+1	¹⁴⁹ Gd e(E)		310
¹⁵¹ Eu	p	2.6+1	5.2+1	¹⁵¹ Gd e(E)		312
¹⁵¹ Eu	p	6.2+0	5.2+1	¹⁵¹ Gd e(E)		301
¹⁵¹ Eu	p	6.2+0	5.2+1	¹⁵¹ Gd e(E)		311
¹⁵¹ Eu	p	1.7+1	5.2+1	¹⁵¹ Gd e(E)		313
¹⁵¹ Eu	p	6.2+0	5.2+1	¹⁵² Gd e(E)		302
¹⁵¹ Eu	p	6.2+0	5.2+1	¹⁵² Gd e(E)		314
¹⁴² Nd	¹² C	8.7+1	1.1+2	ORL TOTH+		1029
				¹⁴⁹ Tb e(E)		
¹⁴² Nd	¹² C	8.7+1	1.1+2	ORL TOTH+		1030
				¹⁵⁶ Tb e(E)		
¹⁵⁵ Gd	p	1.5+1	1.7+1	MCG LAU.		315
				¹⁵⁴ Tb e(E)		
¹⁵⁵ Gd	p	1.5+1	1.7+1	MCG LAU.		316
				¹⁵⁴ Tb e(E)		

ISOTOPE PRODUCTION--EXPERIMENTAL(cont.)

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
153Gd	p	1.5+1	1.7+1	MCG LAU.		317
159Gd	p	4.3+0	4.4+1	MIL BIRATTARI+		319 +
142Nd	12C	8.7+1	1.1+2	ORL TOH+		1031
141Pr	14N	5.8+1	9.8+1	ORL SCHMIDT-OTT+		1061
141Pr	14N	5.8+1	9.8+1	ORL SCHMIDT-OTT+		1062
118Sn	40Ar	1.5+2	2.8+2	PAR GAUVIN+		1290 +
121Sb	40Ar	1.5+2	2.8+2	PAR GAUVIN+		1295 +
142Nd	14N	5.8+1	9.8+1	ORL SCHMIDT-OTT+		1063
142Nd	14N	5.8+1	9.8+1	ORL SCHMIDT-OTT+		1064
118Sn	40Ar	1.5+2	2.8+2	PAR GAUVIN+		1291 +
121Sb	40Ar	1.5+2	2.8+2	PAR GAUVIN+		1296 +
142Nd	14N	5.8+1	9.8+1	ORL SCHMIDT-OTT+		1065
142Nd	14N	5.8+1	9.8+1	ORL SCHMIDT-OTT+		1066
118Sn	40Ar	1.5+2	2.8+2	PAR GAUVIN+		1292 +
121Sb	40Ar	1.5+2	2.8+2	PAR GAUVIN+		1297 +
74Ge	84Kr	3.2+2	4.5+2	PAR CABOT+		1316
118Sn	40Ar	1.5+2	2.8+2	PAR GAUVIN+		1294 +
121Sb	40Ar	1.5+2	2.8+2	PAR GAUVIN+		1293
142Nd	14N	8.6+1	1.2+2	PAR CABOT+		1195
121Sb	40Ar	1.5+2	2.8+2	PAR GAUVIN+		1300 +
127I	40Ar	1.5+2	2.8+2	PAR GAUVIN+		1302 +
165Ho	α	2.5+1		FRS IONESCU+		839
171Yb	p	2.0+1		MIL MILAZZO-COLLI+		321
174Yb	p	1.8+1		MIL MILAZZO-COLLI+		322 +
127I	40Ar	1.5+2	2.8+2	PAR GAUVIN+		1303
127I	40Ar	1.5+2	2.8+2	PAR GAUVIN+		1304
169Tm	p	3.3+0	4.4+1	MIL BIRATTARI+		320 +
127I	40Ar	1.5+2	2.8+2	PAR GAUVIN+		1305
191Ir	p	1.5+1	1.7+1	MCG LAU.		323
191Ir	p	1.5+1	1.7+1	MCG LAU.		324
191Ir	p	1.5+1	1.7	MCG LAU.		325
190Os	α	3.5+1		PUR SAHA+		854
192Os	α	3.5+1		PUR SAHA+		855

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
202Hg	p	1.2+1	8.6+1	192Au σ(E) MCG KANTELO+		327
202Hg	p	1.2+1	8.6+1	193Au σ(E) MCG KANTELO+		328
202Hg	p	1.2+1	8.6+1	194Au σ(E) MCG KANTELO+		329
202Hg	p	1.2+1	8.6+1	195Au σ(E) MCG KANTELO+		330
202Hg	p	1.2+1	8.6+1	196Au σ(E) MCG KANTELO+		331
202Hg	p	1.2+1	8.6+1	197Au σ(E) MCG KANTELO+		332
202Hg	p	1.2+1	8.6+1	198Au σ(E) MCG KANTELO+		333
202Hg	p	1.2+1	8.6+1	200Au σ(E) MCG KANTELO+		334
202Hg	p	1.2+1	3.6+1	201Au σ(E) MCG KANTELO+		335
197Au	α	3.9+1	8.6+1	197Au σ(E) BON KURZ+		865 +
197Au	α	5.1+1		198Hg σ(E) KAZ BURTEBAEV+		866
197Au	α	5.1+1		199Hg σ(E) KAZ BURTEBAEV+		867
197Au	α	5.1+1		200Hg σ(E) KAZ BURTEBAEV+		868
205Ti	p	2.0+1		MIL MILAZZO-COLLI+		336
205Ti	p	2.0+1		202Hg σ(E) MIL MILAZZO-COLLI+		337
197Au	α	8.8+1	1.0+2	193Ti σ(E) BON KURZ+		869 +

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
197Au	α	7.4+1	1.0+2	194Ti σ(E) BON KURZ+		870 +
197Au	α	6.0+1	8.6+1	195Ti σ(E) BON KURZ+		871 +
197Au	α	4.6+1	8.6+1	196Ti σ(E) BON KURZ+		872 +
197Au	α	4.6+1	8.6+1	197Ti σ(E) BON KURZ+		873 +
197Au	α	4.6+1	8.6+1	198Ti σ(E) BON KURZ+		874 +
197Au	α	4.0+1	7.0+1	199Ti σ(E) BON KURZ+		875 +
197Au	α	3.0+1	6.2+1	200Ti σ(E) BON KURZ+		876 +
197Au	α	3.0+1	6.2+1	201Ti σ(E) BON KURZ+		877 +
197Au	α	1.9+1	5.2+1	202Ti σ(E) BON KURZ+		878 +
197Au	α	1.6+1	4.3+1	203Ti σ(E) BON KURZ+		879 +
202Hg	d	1.8+1	2.5+1	204Ti σ(E) CAN SLOCOMBE+		447
204Hg	d	1.8+1	2.5+1	205Ti σ(E) CAN SLOCOMBE+		448
206Pb	p	2.0+1		MIL MILAZZO-COLLI+		339
207Pb	p	2.0+1	3.0+1	204Ti σ(E) MIL MILAZZO-COLLI+		340
208Pb	p	2.0+1	3.0+1	205Ti σ(E) MIL MILAZZO-COLLI+		341
209Bi	p	2.0+1		206Pb σ(E) MIL MILAZZO-COLLI+		345

ISOTOPE PRODUCTION--EXPERIMENTAL (cont)

ISOTOPE PRODUCTION--EXPERIMENTAL(cont)

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
206Pb	³ He	8.5+1	2.1+2	PAR ANDRE+ 199Pb o(E)		713
206Pb	³ He	8.5+1	2.1+2	PAR ANDRE+ 200Pb o(E)		714
197Au	¹⁰ B	7.8+1	1.0+2	HHA KORMAN+ 200Pb o(E)		952
206Pb	³ He	8.5+1	2.1+2	PAR ANDRE+ 201Pb o(E)		715
197Au	¹⁰ B	7.8+1	1.0+2	HHA KORMAN+ 197Au ¹¹ B 8.6+1 9.1+1 HHA KORMAN+ 201Pb o(E)		953
206Pb	³ He	8.5+1	2.1+2	PAR ANDRE+ 201Pb o(E)		716
206Pb	³ He	8.5+1	2.1+2	PAR ANDRE+ 202Pb o(E)		717
197Au	¹⁰ B	7.8+1	1.0+2	HHA KORMAN+ 197Au ¹¹ B 7.4+1 9.1+1 HHA KORMAN+ 206Pb ³ He 8.5+1 2.1+2 PAR ANDRE+ 203Pb o(E)		954 955 956 718
197Au	¹¹ B	6.0+1	8.6+1	HHA KORMAN+ 203Pb o(E)		964
206Pb	³ He	8.5+1	1.7+2	PAR ANDRE+ 204Pb o(E)		719
197Au	¹⁰ B	6.0+1	7.8+1	HHA KORMAN+ 206Pb ³ He 8.5+1 1.7+2 PAR ANDRE+ 205Pb o(E)		965 720
206Pb	³ He	8.5+1	1.7+2	PAR ANDRE+ 206Pb o(E)		721
206Pb	³ He	8.5+1	1.7+2	PAR ANDRE+ 207Bi ¹⁰ B 6.8+1 8.8+1 VAL RAICH+ 207Pb product yield 207Pb TEH PARSA+		722 956 701
Pb	³ He	NDG				

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
208Pb	p	2.4+1	5.2+1	TOX KAWAKAMI+ 207Pb o(E)		342
208Pb	p	2.4+1	5.2+1	TOX KAWAKAMI+ 208Pb o(E)		343
208Pb	p	7.0+0	2.6+1	LRL KOOPMAN+ 208Bi o(E)		344
206Pb	³ He	8.5+1	2.1+2	PAR ANDRE+ 204Bi product yield HAR SYHE+ 207Bi o(E)		704 338
207Bi	¹⁰ B	7.8+0	8.8+1	VAL RAICH+ 207Bi o(E)		955
206Pb	³ He	8.5+1	2.1+2	PAR ANDRE+ 208Bi o(E)		705
206Pb	³ He	1.4+2	2.1+2	PAR ANDRE+ 199Pb o(E)		706
206Pb	³ He	1.4+2	2.1+2	PAR ANDRE+ 199Pb o(E)		707
206Pb	³ He	1.3+2	2.1+2	PAR ANDRE+ 199Pb o(E)		708
206Pb	³ He	9.5+1	2.1+2	PAR ANDRE+ 197Pb o(E)		709
206Pb	³ He	1.1+2	2.1+2	PAR ANDRE+ 197Pb o(E)		710
206Pb	³ He	9.5+1	2.1+2	PAR ANDRE+ 199Pb o(E)		711
206Pb	³ He	8.5+1	2.1+2	PAR ANDRE+ 199Pb o(E)		712
197Au	¹⁰ B	7.8+1	1.0+2	HHA KORMAN+ 199Pb o(E)		951

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
²⁰⁹At $\sigma(E)$						
²⁰⁹ Bi	¹⁰ B	6.8+1	8.8+1	YAL RAICH+		957
²¹⁰At $\sigma(E)$						
²⁰⁹ Bi	¹⁰ B	0.0+0		YAL RAICH+		958
²¹¹Rn $\sigma(E)$						
²⁰⁹ Bi	¹⁰ B	6.8+1	8.8+1	YAL RAICH+		959
²¹³Ra $\sigma(E)$						
²⁰⁹ Bi	¹⁰ B	6.8+1	8.8+1	YAL RAICH+		960
²²⁹Ac $\sigma(E)$						
²³² Th	p	2.0+1		MIL MILAZZO-COLLI+		347
²³⁷Pu thick target yield						
²³⁵ U	α	3.0+1		ORL GROSS+		920
²³⁷Pu $\sigma(E)$						
²³⁵ U	α	2.2+1	2.6+1	HAU VANDENBOSCH+		921 +
²³⁷Pu $\sigma(E)$						
²³⁵ U	α	2.2+1	2.6+1	HAU VANDENBOSCH+		922 +
²⁴⁰Cm $\sigma(E)$						
²³⁸ Pu	α	2.0+1	2.9+1	NBI METAG+		925 +
²⁴¹ Am	p	8.0+0	1.6+1	NBI METAG+		374 +
²⁴¹Cm $\sigma(E)$						
²³⁸ Pu	α	2.0+1	2.4+1	NBI METAG+		926 +
²⁵²No $\sigma(E)$						
²⁰⁸ Pb	⁴⁸ Ca	WDG		DUB PLEVE.		1313
²⁰⁷ Pb	⁴⁸ Ca	WDG		DUB PLEVE.		1314
²⁰⁸ Pb	⁴⁸ Ca	WDG		DUB PLEVE.		1315
²⁵⁹No $\sigma(E)$						
²⁴⁸ Cm	¹⁸ O	8.0+1	1.1+2	ORL SILVA+		1237 +
²⁶⁰Ku $\sigma(E)$						
²⁴⁶ Cm	¹⁶ O	8.5+1	1.1+2	DUB DRUIN+		1202
²⁶¹Ku $\sigma(E)$						
²⁴⁸ Cm	¹⁸ O	8.9+1	1.1+2	ORL SILVA+		1238 +

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
Fission fragments fission yield						
¹⁹⁸ Hg	α	4.1+1		WHS NEUZIL+		884
¹⁹⁹ Hg	α	4.1+1		WHS NEUZIL+		888
²⁰⁰ Hg	α	4.1+1		WHS NEUZIL+		892
²⁰¹ Hg	α	4.1+1		WHS NEUZIL+		895
²⁰² Hg	α	4.1+1		WHS NEUZIL+		898
²⁰⁴ Hg	α	4.1+1		WHS NEUZIL+		901
U	p	4.5+2		CHI PANONTIN+		350
²³⁸ U	p	1.1+1	1.3+1	BUC CALBOREAU+		367
²³⁸ U	p	1.6+1		FSU EAKER+		368
²³⁸ U	p	2.0+1	8.5+1	MCG SARKAR+		369
²³⁸ U	p	2.0+1	8.5+1	MCG GALINIER.		370
²³⁸ U	p	3.5+1	1.0+2	MCG CHAN+		371
²³⁸ U	d	1.4+1	1.7+1	BCC KANOIL+		464
²³⁸ U	α	2.0+1		SAC LIBOUREL+		923
²³⁸ U	α	5.0+1		BON DAVID+		924
²³⁸ U	¹¹ B	8.5+1		PAR DESAINT-SIMON+		966
²⁴⁸ Cm	α	2.4+1	3.4+1	KUR LISIN+		928
Fission fragments $\bar{\nu}$						
²³⁸ U	p	2.0+1	8.5+1	MCG SARKAR+		372
Fission fragments product yield						
²³³ U	d	WDG		BRC CIERJACKS+		461
²³⁴ U	d	+0		STB GOLDSTONE.		462
²³⁵ U	³ He	+0		STB GOLDSTONE.		723
²³⁸ U	d	+0		STB GOLDSTONE.		463
²⁴⁰ Pu	d	+0		STB GOLDSTONE.		465
Fission fragments ratio ternary/binary $\sigma(E)$						
¹⁹⁷ Au	d	2.0+3		STR RAHIMI+		444 +
Pb	d	2.0+3		STR RAHIMI+		449 +
²⁰⁹ Bi	d	2.0+3		STR RAHIMI+		452 +
²³² Th	d	2.0+3		STR RAHIMI+		455 +
U	d	2.0+3		STR RAHIMI+		458 +
Many	d	2.0+3		STR RAHIMI+		466
Fission fragments $\sigma(E)$						
¹⁹⁷ Au	d	2.0+3		STR RAHIMI+		445 +
¹⁹⁷ Au	d	2.0+3		STR RAHIMI+		446 +
Pb	d	2.0+3		STR RAHIMI+		450 +
Pb	d	2.0+3		STR RAHIMI+		451 +
²⁰⁹ Bi	d	2.0+3		STR RAHIMI+		453 +
²⁰⁹ Bi	d	2.0+3		STR RAHIMI+		454 +

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
Fission fragments e(E)						
²³² Th	d	2.0+3		STR RAHIMI+		456 +
²³² Th	d	2.0+3		STR RAHIMI+		457 +
U	p	4.5+2		CHI PANONTIN+		351 +
U	p	1.0+3		PUR YU+		352 +
U	d	2.0+3		STR RAHIMI+		459 +
U	d	2.0+3		STR RAHIMI+		460 +
²³⁸ U	p	4.5+2		PUR PANONTIN+		373 +
²³⁸ Pu	a	2.0+1	2.9+1	NBI METAG+		927 +
²⁴¹ Am	p	8.0+0	1.6+1	NBI METAG+		375 +
Many	d	2.0+3		STR RAHIMI+		467
Spallation fragments e(E)						
¹² C	p	4.5+1	1.0+2	MRY ROCHE+		33
²³² Th	p	1.0+2		MRY SCHUSTER+		348
²³⁵ U	p	1.0+2		MRY SCHUSTER+		353

ISOTOPE PRODUCTION--EXPERIMENTAL(cont)

THEORETICAL REFERENCES

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	¹¹ B(p,α) ⁸ Be σ(E)				
1317	HIL J NCL 15	83	176 2.0+1 4.5+1	GADIOLI+ CURV. EXCITON MODEL. A(0) GRP.	PAR
	¹¹ B(p,n) ¹¹ C σ(E)				
1318	HIL J NCL 15	83	176 3.0+1 1.1+2	GADIOLI+ CURV. EXCITON MODEL.	
	¹³ N(p,α) ¹² C σ(E)				
1319	HIL J NCL 15	83	176 2.0+1 4.5+1	GADIOLI+ CURV. EXCITON MOD. A(0)+A(1)	PAR
	¹⁵ N(p,inelastic) ¹⁵ N σ(E)				
1320	ROS J NP/A 275	111	177 6.0-1 1.0+1	BARZ+CURV. J(T)=1(-). CC+CONT. SHELL MOD	PAR
	¹⁵ N(p,n) ¹⁵ O σ(E)				
1321	ROS J NP/A 275	111	177 1.0+0 1.0+1	BARZ+ CURV. CC+ CONT. SHELL MODEL.	
	J NP/A 275	111	177 1.0+0 1.0+1	BARZ+ CURV. CC+ CONT. SHELL MODEL.	
	J NP/A 275	111	177 1.0+0 1.0+1	BARZ+CURV. J(PI)=0(+)-3(-). CC+CONT. SH. MO	PAR
	J NP/A 275	111	177 3.5+0 1.0+1	BARZ+ CURV. PI=+. CC+ CONT. SHELL MODEL	PAR
	J NP/A 275	111	177 3.5+0 1.0+1	BARZ+ CURV. PI=+. CC+ CONT. SHELL MODEL	PAR
	J NP/A 275	111	177 3.8+0 1.0+1	BARZ+CURV. J(T)=1(-). CC+CONT. SHELL MOD	PAR
	¹⁶ O(p,x) σ(E)				
1322	INU A BAP 21	29	76 2.0+1 1.0+2	COMPANI-TABRIZI+ NDG. Z=3-6. BIN. FRAG.	
	¹⁹ F(p,α) ¹⁶ O σ(E)				
1323	HIL J NCL 15	83	176 2.0+1 4.5+1	GADIOLI+ CURV. EXCITON MODEL. A(0) GRP.	PAR
	²⁰ Ne(p,α) ¹⁷ F σ(E)				
1324	CAL R OAP-422	875	TR	1.7+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	²⁰ Ne(p,n) ²⁰ Ne σ(E)				
1325	CAL R OAP-422	875	TR	1.7+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	²⁰ Ne(p,γ) ²¹ Ne σ(E)				
1326	CAL R OAP-422	875	1.0-1 1.7+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	²¹ Ne(p,α) ¹⁸ F σ(E)				
1327	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	²¹ Ne(p,n) ²¹ Ne σ(E)				
1328	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	²¹ Ne(p,γ) ²² Ne σ(E)				
1329	CAL R OAP-422	875	1.0-1 1.3+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	²² Ne(p,α) ¹⁹ F σ(E)				
1330	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	²² Ne(p,n) ²² Ne σ(E)				
1331	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	²² Ne(p,γ) ²³ Ne σ(E)				
1332	CAL R OAP-422	875	1.0-1 1.3+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	²² Ne(p,x) ²² Ne thick target yield				
1333	RIC J JGR 81	5701	76 SCR	HALTON+ TBL.E<=200.<Z>=13.12NA.99%INERT	SPA
	J JGR 81	5701	76 SCR	HALTON+ TBL.E<= 45.<Z>=13.12NA.99%INERT	SPA
	²³ Ne(p,α) ²⁰ Ne σ(E)				
1334	CAL R OAP-422	875	1.0-1 8.1+0	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	²³ Ne(p,n) ²³ Mg σ(E)				
1335	CAL R OAP-422	875	TR	8.1+0 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	²³ Ne(p,γ) ²⁴ Mg σ(E)				
1336	CAL R OAP-422	875	1.0-1 8.1+0	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	²³ Ne(p,x) ²⁰ Ne thick target yield				
1337	RIC J JGR 81	5701	76 SCR	HALTON+ TBL.E<=200.<Z>=13.12MG.99%INERT	SPA
	J JGR 81	5701	76 SCR	HALTON+ TBL.E<= 45.<Z>=13.12MG.99%INERT	SPA

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
²⁰¹Hg(p,x)²¹Ne thick target yield					
1338 RIC	J JGR 81 5701 76 SCR			WALTON+ TBL.E<=200.<Z>=13.1XMG.99XINERT	SPA
	J JGR 81 5701 76 SCR			WALTON+ TBL.E<= 45.<Z>=13.1XMG.99XINERT	SPA
	J JGR 81 5701 76 SCR			WALTON+ TBL.E<=200.<Z>=13.1XSI.99XINERT	SPA
	J JGR 81 5701 76 SCR			WALTON+ TBL.E<= 45.<Z>=13.1XSI.99XINERT	SPA
	J JGR 81 5701 76 SCR			WALTON+ TBL.E<=200.<Z>=13.1XMG.99XINERT	SPA
	J JGR 81 5701 76 SCR			WALTON+ TBL.E<= 45.<Z>=13.1XMG.99XINERT	SPA
	J JGR 81 5701 76 GCR			WALTON+ TBL.	SPA
²⁰²Hg(p,x)²²Ne thick target yield					
1339 RIC	J JGR 81 5701 76 SCR			WALTON+ TBL.E<=200.<Z>=13.1XMG.99XINERT	IND
	J JGR 81 5701 76 SCR			WALTON+ TBL.E<= 45.<Z>=13.1XMG.99XINERT	IND
	J JGR 81 5701 76 SCR			WALTON+ TBL.E<=200.<Z>=13.1XMG.99XINERT	CUM
	J JGR 81 5701 76 SCR			WALTON+ TBL.E<= 45.<Z>=13.1XMG.99XINERT	CUM
²⁰³Hg(p,x)²⁴Ar thick target yield					
1340 RIC	J JGR 81 5701 76 SCR			WALTON+ TBL.E<=200.<Z>=13.1XMG.99XINERT	SPA
	J JGR 81 5701 76 SCR			WALTON+ TBL.E<= 45.<Z>=13.1XMG.99XINERT	SPA
²⁴Hg(p,e)²¹Ne e(E)					
1341 CAL	R OAP-422	875 TR	1.7+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
²⁴Hg(p,n)²⁴Al e(E)					
1342 CAL	R OAP-422	875 TR	1.7+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
²⁴Hg(p,γ)²³Al e(E)					
1343 CAL	R OAP-422	875 1.0-1	1.7+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
²⁵Hg(p,e)²²Ne e(E)					
1344 CAL	R OAP-422	875 TR	1.4+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
²⁵Hg(p,n)²⁵Al e(E)					
1345 CAL	R OAP-422	875 TR	1.4+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
²⁵Hg(p,γ)²⁶Al e(E)					
1346 CAL	R OAP-422	875 1.0-1	1.4+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
²⁶Hg(p,e)²⁵Ne e(E)					
1347 CAL	R OAP-422	875 TR	1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
²⁶Hg(p,n)²⁶Al e(E)					
1348 CAL	R OAP-422	875 TR	1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
²⁶Hg(p,γ)²⁷Al e(E)					
1349 CAL	R OAP-422	875 1.0-1	1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
²⁰³Al(p,t) thick target yield					
1350 RIC	J JGR 81 5701 76 SCR			WALTON+TBL. E LE 200. EQ. PTS. MG,AL,SI	SPA
	J JGR 81 5701 76 SCR			WALTON+ TBL. E<= 45. EQ. PTS. MG,AL,SI.	SPA
²⁰³Al(p,³He) thick target yield					
1351 RIC	J JGR 81 5701 76 SCR			WALTON+TBL. E LE 200. EQ. PTS. MG,AL,SI	CUM
	J JGR 81 5701 76 SCR			WALTON+ TBL. E<= 45. EQ. PTS. MG,AL,SI.	CUM
	J JGR 81 5701 76 SCR			WALTON+TBL. E LE 200. EQ. PTS. MG,AL,SI	IND
	J JGR 81 5701 76 SCR			WALTON+ TBL. E<= 45. EQ. PTS. MG,AL,SI.	IND
	J JGR 81 5701 76 GCR			WALTON+ TBL. EQUAL PTS. MG,AL,SI.	CUM SPA
²⁰³Al(p,e) thick target yield					
1352 RIC	J JGR 81 5701 76 SCR			WALTON+TBL. E LE 200. EQ. PTS. MG,AL,SI	SPA
	J JGR 81 5701 76 SCR			WALTON+ TBL. E<= 45. EQ. PTS. MG,AL,SI.	SPA
²⁰³Al(p,x)²⁰Ne thick target yield					
1353 RIC	J JGR 81 5701 76 SCR			WALTON+ TBL.E<=200.<Z>=13.1XAL.99XINERT	SPA
	J JGR 81 5701 76 SCR			WALTON+ TBL.E<= 45.<Z>=13.1XAL.99XINERT	SPA
²⁰³Al(p,x)²¹Ne thick target yield					
1354 RIC	J JGR 81 5701 76 SCR			WALTON+ TBL.E<=200.<Z>=13.1XAL.99XINERT	SPA
	J JGR 81 5701 76 SCR			WALTON+ TBL.E<= 45.<Z>=13.1XAL.99XINERT	SPA
	J JGR 81 5701 76 SCR			WALTON+ TBL.E<=200.<Z>=13.1XAL.99XINERT	SPA
	J JGR 81 5701 76 SCR			WALTON+ TBL.E<= 45.<Z>=13.1XAL.99XINERT	SPA

THEORETICAL REFERENCES(cont)

No.	Lab	Reference	E_{min} (MeV)	E_{max} (MeV)	Author, Comments	Branch, Particle and Modifier
^{22}Ne thick target yield						
1355	RIC	J JGR 81	5701	76	SCR	WALTON+ TBL.E<=200.<2>=13.1%AL.99%INERT IND
		J JGR 81	5701	76	SCR	WALTON+ TBL.E<= 45.<2>=13.1%AL.99%INERT IND
		J JGR 81	5701	76	SCR	WALTON+ TBL.E<=200.<2>=13.1%AL.99%INERT CUM
		J JGR 81	5701	76	SCR	WALTON+ TBL.E<= 45.<2>=13.1%AL.99%INERT CUM
^{34}Ar thick target yield						
1356	RIC	J JGR 81	5701	76	SCR	WALTON+ TBL.E<=200.<2>=13.1%AL.99%INERT SPA
		J JGR 81	5701	76	SCR	WALTON+ TBL.E<= 45.<2>=13.1%AL.99%INERT SPA
$^{27}Al(p,n)^{24}Mg$ $\sigma(E)$						
1357	CAL R	OAP-422	875	5.2-1	8.3+0	WOOSLEY+ CURV. HAUSER-FESHBACH.
$^{27}Al(p,n)^{27}Si$ $\sigma(E)$						
1358	CAL R	OAP-422	875	TR	8.3+0	WOOSLEY+ CURV. HAUSER-FESHBACH.
$^{27}Al(p,\gamma)^{28}Si$ $\sigma(E)$						
1359	CAL R	OAP-422	875	2.1-1	8.3+0	WOOSLEY+ CURV. HAUSER-FESHBACH.
$^{28}Si(p,x)^{28}Ne$ thick target yield						
1360	RIC	J JGR 81	5701	76	SCR	WALTON+ TBL.E<=200.<2>=13.1%SI.99%INERT SPA
		J JGR 81	5701	76	SCR	WALTON+ TBL.E<= 45.<2>=13.1%SI.99%INERT SPA
$^{28}Si(p,x)^{21}Ne$ thick target yield						
1361	RIC	J JGR 81	5701	76	SCR	WALTON+ TBL.E<=200.<2>=13.1%SI.99%INERT SPA
		J JGR 81	5701	76	SCR	WALTON+ TBL.E<= 45.<2>=13.1%SI.99%INERT SPA
$^{28}Si(p,x)^{22}Ne$ thick target yield						
1362	RIC	J JGR 81	5701	76	SCR	WALTON+ TBL.E<=200.<2>=13.1%SI.99%INERT IND
		J JGR 81	5701	76	SCR	WALTON+ TBL.E<= 45.<2>=13.1%SI.99%INERT IND
		J JGR 81	5701	76	SCR	WALTON+ TBL.E<=200.<2>=13.1%SI.99%INERT CUM
		J JGR 81	5701	76	SCR	WALTON+ TBL.E<= 45.<2>=13.1%SI.99%INERT CUM
^{38}Ar thick target yield						
1363	RIC	J JGR 81	5701	76	SCR	WALTON+ TBL.E<=200.<2>=13.1%SI.99%INERT SPA
		J JGR 81	5701	76	SCR	WALTON+ TBL.E<= 45.<2>=13.1%SI.99%INERT SPA
$^{28}Si(p,\alpha)^{25}Al$ $\sigma(E)$						
1364	CAL R	OAP-422	875	TR	1.8+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
$^{28}Si(p,n)^{28}P$ $\sigma(E)$						
1365	CAL R	OAP-422	875	TR	1.8+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
$^{28}Si(p,\gamma)^{29}P$ $\sigma(E)$						
1366	CAL R	OAP-422	875	1.0-1	1.0+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
$^{29}Si(p,\alpha)^{26}Al$ $\sigma(E)$						
1367	CAL R	OAP-422	875	TR	1.6+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
$^{29}Si(p,n)^{29}P$ $\sigma(E)$						
1368	CAL R	OAP-422	875	2.1-1	1.6+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
$^{29}Si(p,\gamma)^{30}P$ $\sigma(E)$						
1369	CAL R	OAP-422	875	TR	1.0+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
$^{30}Si(p,\alpha)^{27}Al$ $\sigma(E)$						
1370	CAL R	OAP-422	875	TR	1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
$^{30}Si(p,n)^{30}P$ $\sigma(E)$						
1371	CAL R	OAP-422	875	2.1-1	1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
$^{30}Si(p,\gamma)^{31}P$ $\sigma(E)$						
1372	CAL R	OAP-422	875	TR	1.0+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
$^{31}P(p,\alpha)^{28}Si$ $\sigma(E)$						
1373	CAL R	OAP-422	875	TR	8.3+0	WOOSLEY+ CURV. HAUSER-FESHBACH.
$^{31}P(p,n)^{31}S$ $\sigma(E)$						
1374	CAL R	OAP-422	875	2.1-1	8.3+0	WOOSLEY+ CURV. HAUSER-FESHBACH.

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	³¹ P(p,γ) ³² S σ(E)				
1375	CAL R OAP-422	875	TR	1.0+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³² S(p,α) ²⁹ P σ(E)				
1376	CAL R OAP-422	875	TR	1.5+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³² S(p,n) ³² Cl σ(E)				
1377	CAL R OAP-422	875	2.1-1	1.5+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³² S(p,γ) ³³ Cl σ(E)				
1378	CAL R OAP-422	875	TR	1.0+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³³ S(p,α) ³⁰ S σ(E)				
1379	CAL R OAP-422	875	2.1-1	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³³ S(p,n) ³³ Cl σ(E)				
1380	CAL R OAP-422	875	TR	1.0+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³³ S(p,γ) ³⁴ Cl σ(E)				
1381	CAL R OAP-422	875	TR	1.0+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³⁴ S(p,α) ³¹ S σ(E)				
1382	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³⁴ S(p,n) ³⁴ Cl σ(E)				
1383	CAL R OAP-422	875	2.1-1	1.0+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³⁴ S(p,γ) ³⁵ Cl σ(E)				
1384	CAL R OAP-422	875	TR	1.0+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³⁶ S(p,α) ³³ S σ(E)				
1385	CAL R OAP-422	875	2.1-1	9.7+0 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³⁶ S(p,n) ³⁶ Cl σ(E)				
1386	CAL R OAP-422	875	TR	1.0+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³⁶ S(p,γ) ³⁷ Cl σ(E)				
1387	CAL R OAP-422	875	TR	1.0+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³⁵ Cl(p,α) ³² S σ(E)				
1388	CAL R OAP-422	875	2.1-1	8.2+0 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³⁵ Cl(p,n) ³⁵ Ar σ(E)				
1389	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³⁵ Cl(p,γ) ³⁶ Ar σ(E)				
1390	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³⁷ Cl(p,α) ³⁴ S σ(E)				
1391	CAL R OAP-422	875	5.1-1	8.0+0 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³⁷ Cl(p,n) ³⁷ Ar σ(E)				
1392	CAL R OAP-422	875	TR	1.0+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³⁷ Cl(p,γ) ³⁸ Ar σ(E)				
1393	CAL R OAP-422	875	TR	1.0+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³⁸ Ar(p,α) ³³ Cl σ(E)				
1394	CAL R OAP-422	875	2.1-1	1.6+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³⁸ Ar(p,n) ³⁸ K σ(E)				
1395	CAL R OAP-422	875	TR	1.0+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³⁸ Ar(p,γ) ³⁷ K σ(E)				
1296	CAL R OAP-422	875	TR	1.0+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³⁸ Ar(p,α) ³⁵ Cl σ(E)				
1397	CAL R OAP-422	875	5.1-1	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	³⁸ Ar(p,n) ³⁸ K σ(E)				
1398	CAL R OAP-422	875	TR	1.0+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	³⁸ Ar(p,γ) ³⁹ K σ(E)				
1399	CAL R OAP-422	875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴⁰ Ar(p,α) ³⁷ Cl σ(E)				
1400	CAL R OAP-422	875	5.1-1	8.4+0 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴⁰ Ar(p,n) ⁴⁰ K σ(E)				
1401	CAL R OAP-422	875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴⁰ Ar(p,γ) ⁴¹ K σ(E)				
1402	CAL R OAP-422	875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	³⁹ K(p,α) ³⁸ Ar σ(E)				
1403	CAL R OAP-422	875	5.1-1	9.2+0 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	³⁹ K(p,n) ³⁹ Ca σ(E)				
1404	CAL R OAP-422	875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	³⁹ K(p,γ) ⁴⁰ Ca σ(E)				
1405	CAL R OAP-422	875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴⁰ K(p,α) ³⁷ Ar σ(E)				
1406	CAL R OAP-422	875	5.1-1	8.0+0 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴⁰ K(p,n) ⁴⁰ Ca σ(E)				
1407	CAL R OAP-422	875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴⁰ K(p,γ) ⁴¹ Ca σ(E)				
1408	CAL R OAP-422	875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴¹ K(p,α) ³⁸ Ar σ(E)				
1409	CAL R OAP-422	875	5.1-1	6.1+0 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴¹ K(p,n) ⁴¹ Ca σ(E)				
1410	CAL R OAP-422	875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴¹ K(p,γ) ⁴² Ca σ(E)				
1411	CAL R OAP-422	875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴⁰ Ca(p,x) ³⁸ Ar thick target yield				
1412	RIC J JGR 81	5701	76	SCR WALTON+ TBL.E<=200.<Z>=13.1%CA.99%INERT	SPA
	J JGR 81	5701	76	SCR WALTON+ TBL.E<= 45.<Z>=13.1%CA.99%INERT	SPA
	J JGR 81	5701	76	GCR WALTON+ TBL. <Z>=13. 1%CA. 99%INERT.	SPA
	⁴⁰ Ca(p,x) ³⁷ Ar thick target yield				
1413	RIC J JGR 81	5701	76	SCR WALTON+ TBL.E<=200.<Z>=13.1%CA.99%INERT	SPA
	J JGR 81	5701	76	SCR WALTON+ TBL.E<= 45.<Z>=13.1%CA.99%INERT	SPA
	⁴⁰ Ca(p,α) ³⁷ K σ(E)				
1414	CAL R OAP-422	875	8.2-1	1.6+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴⁰ Ca(p,n) ⁴⁰ Sc σ(E)				
1415	CAL R OAP-422	875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴⁰ Ca(p,γ) ⁴¹ Sc σ(E)				
1416	CAL R OAP-422	875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴² Ca(p,α) ³⁹ K σ(E)				
1417	CAL R OAP-422	875	5.1-1	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴² Ca(p,n) ⁴² Sc σ(E)				
1418	CAL R OAP-422	875	TR	1.2+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴² Ca(p,γ) ⁴³ Sc σ(E)				
1419	CAL R OAP-422	875	TR	1.2+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴³ Ca(p,α) ⁴⁰ K σ(E)				
1420	CAL R OAP-422	875	6.1-1	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴³ Ca(p,n) ⁴³ Sc σ(E)				
1421	CAL R OAP-422	875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	

THEORETICAL REFERENCES(cont)

No. Lab	Reference	Emin (MeV)	Emax (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{43}\text{Ca}(p,\gamma)^{44}\text{Sc}$ $\sigma(E)$				
1422 CAL R OAP-422		875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{44}\text{Ca}(p,\alpha)^{41}\text{K}$ $\sigma(E)$				
1423 CAL R OAP-422		875	5.1-1	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{44}\text{Ca}(p,n)^{44}\text{Sc}$ $\sigma(E)$				
1424 CAL R OAP-422		875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{44}\text{Ca}(p,\gamma)^{45}\text{Sc}$ $\sigma(E)$				
1425 CAL R OAP-422		875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{46}\text{Ca}(p,\alpha)^{43}\text{K}$ $\sigma(E)$				
1426 CAL R OAP-422		875	5.1-1	1.2+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{46}\text{Ca}(p,n)^{46}\text{Sc}$ $\sigma(E)$				
1427 CAL R OAP-422		875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{46}\text{Ca}(p,\gamma)^{47}\text{Sc}$ $\sigma(E)$				
1428 CAL R OAP-422		875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{48}\text{Ca}(p,\alpha)^{45}\text{K}$ $\sigma(E)$				
1429 CAL R OAP-422		875	5.1-1	1.3+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{48}\text{Ca}(p,n)^{48}\text{Sc}$ $\sigma(E)$				
1430 CAL R OAP-422		875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{48}\text{Ca}(p,\gamma)^{49}\text{Sc}$ $\sigma(E)$				
1431 CAL R OAP-422		875	TR	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{45}\text{Sc}(p,\alpha)^{42}\text{Ca}$ $\sigma(E)$				
1432 CAL R OAP-422		875	8.2-1	8.2+0 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{45}\text{Sc}(p,n)^{45}\text{Ti}$ $\sigma(E)$				
1433 CAL R OAP-422		875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{45}\text{Sc}(p,\gamma)^{46}\text{Ti}$ $\sigma(E)$				
1434 CAL R OAP-422		875	TR	1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{40}\text{Ar}(p,x)^{39}\text{Ar}$ thick target yield				
1435 RIC J JGR 81		5701	76	SCR WALTON+ TBL.E<=200.<Z>=13.1%TI.99%INERT SPA	
J JGR 81		5701	76	SCR WALTON+ TBL.E<= 45.<Z>=13.1%TI.99%INERT SPA	
	$^{46}\text{Ti}(p,\alpha)^{43}\text{Sc}$ $\sigma(E)$				
1436 CAL R OAP-422		875	8.2-1	1.4+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{46}\text{Ti}(p,n)^{46}\text{V}$ $\sigma(E)$				
1437 CAL R OAP-422		875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{46}\text{Ti}(p,\gamma)^{47}\text{V}$ $\sigma(E)$				
1438 CAL R OAP-422		875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{47}\text{Ti}(p,\alpha)^{44}\text{Sc}$ $\sigma(E)$				
1439 CAL R OAP-422		875	8.2-1	1.3+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{47}\text{Ti}(p,n)^{47}\text{V}$ $\sigma(E)$				
1440 CAL R OAP-422		875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{47}\text{Ti}(p,\gamma)^{48}\text{V}$ $\sigma(E)$				
1441 CAL R OAP-422		875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{48}\text{Ti}(p,\alpha)^{45}\text{Sc}$ $\sigma(E)$				
1442 CAL R OAP-422		875	5.1-1	1.3+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{48}\text{Ti}(p,n)^{48}\text{V}$ $\sigma(E)$				
1443 CAL R OAP-422		875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
	$^{48}\text{Ti}(p,\gamma)^{49}\text{V}$ $\sigma(E)$				
1444 CAL R OAP-422		875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
1445	CAL R OAP-422 $^{48}\text{Ti}(p, \alpha)^{46}\text{Sc}$ $\sigma(E)$	875	8.2-1	1.2+1 WOOSLEY+ CURV. HAUSER-FESHBACH...	
1446	CAL R OAP-422 $^{49}\text{Ti}(p, n)^{49}\text{V}$ $\sigma(E)$	875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1447	CAL R OAP-422 $^{49}\text{Ti}(p, \gamma)^{50}\text{V}$ $\sigma(E)$	875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1448	CAL R OAP-422 $^{50}\text{Ti}(p, \alpha)^{47}\text{Sc}$ $\sigma(E)$	875	5.1-1	1.3+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1449	CAL R OAP-422 $^{50}\text{Ti}(p, n)^{50}\text{V}$ $\sigma(E)$	875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1450	CAL R OAP-422 $^{50}\text{Ti}(p, \gamma)^{51}\text{V}$ $\sigma(E)$	875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1451	CAL R OAP-422 $^{50}\text{V}(p, \alpha)^{47}\text{Ti}$ $\sigma(E)$	875	8.2-1	1.0+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1452	CAL R OAP-422 $^{50}\text{V}(p, n)^{50}\text{Cr}$ $\sigma(E)$	875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1453	CAL R OAP-422 $^{50}\text{V}(p, \gamma)^{51}\text{Cr}$ $\sigma(E)$	875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1454	CAL R OAP-422 $^{51}\text{V}(p, \alpha)^{48}\text{Ti}$ $\sigma(E)$	875	8.2-1	9.8+0 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1455	CAL R OAP-422 $^{51}\text{V}(p, n)^{51}\text{Cr}$ $\sigma(E)$	875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1456	CAL R OAP-422 $^{51}\text{V}(p, \gamma)^{52}\text{Cr}$ $\sigma(E)$	875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1457	CAL R OAP-422 $^{50}\text{Cr}(p, \alpha)^{47}\text{V}$ $\sigma(E)$	875	9.2-1	1.5+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1458	CAL R OAP-422 $^{50}\text{Cr}(p, n)^{50}\text{Mn}$ $\sigma(E)$	875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1459	CAL R OAP-422 $^{50}\text{Cr}(p, \gamma)^{51}\text{Mn}$ $\sigma(E)$	875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1460	CAL R OAP-422 $^{52}\text{Cr}(p, \alpha)^{49}\text{V}$ $\sigma(E)$	875	8.2-1	1.4+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1461	CAL R OAP-422 $^{52}\text{Cr}(p, n)^{52}\text{Mn}$ $\sigma(E)$	875	TR	1.2+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1462	CAL R OAP-422 $^{52}\text{Cr}(p, \gamma)^{53}\text{Mn}$ $\sigma(E)$	875	TR	1.2+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1463	CAL R OAP-422 $^{53}\text{Cr}(p, \alpha)^{50}\text{V}$ $\sigma(E)$	875	8.2-1	1.2+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1464	CAL R OAP-422 $^{53}\text{Cr}(p, n)^{53}\text{Mn}$ $\sigma(E)$	875	TR	1.2-1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1465	CAL R OAP-422 $^{53}\text{Cr}(p, \gamma)^{54}\text{Mn}$ $\sigma(E)$	875	TR	1.2+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1466	CAL R OAP-422 $^{54}\text{Cr}(p, \alpha)^{51}\text{V}$ $\sigma(E)$	875	8.1-1	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1467	CAL R OAP-422 $^{54}\text{Cr}(p, n)^{54}\text{Mn}$ $\sigma(E)$	875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	
1468	CAL R OAP-422 $^{54}\text{Cr}(p, \gamma)^{55}\text{Mn}$ $\sigma(E)$	875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	⁵⁵ Mn(p,α) ⁵² Cr σ(E)				
1469 CAL R OAP-422		875	8.1-1 9.2+0	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁵ Mn(p,n) ⁵⁵ Fe σ(E)				
1470 CAL R OAP-422		875	TR 1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁵ Mn(p,γ) ⁵⁶ Fe σ(E)				
1471 CAL R OAP-422		875	TR 1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁴ Fe(p,α) ⁵¹ Mn σ(E)				
1472 CAL R OAP-422		875	9.2-1 1.5+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁴ Fe(p,n) ⁵⁴ Co σ(E)				
1473 CAL R OAP-422		875	TR 1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁴ Fe(p,γ) ⁵⁵ Co σ(E)				
1474 CAL R OAP-422		875	TR 1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁶ Fe(p,α) ⁵³ Mn σ(E)				
1475 CAL R OAP-422		875	9.2-1 1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁶ Fe(p,n) ⁵⁶ Co σ(E)				
1476 CAL R OAP-422		875	TR 1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁶ Fe(p,γ) ⁵⁷ Co σ(E)				
1477 CAL R OAP-422		875	TR 1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁷ Fe(p,α) ⁵⁴ Mn σ(E)				
1478 CAL R OAP-422		875	1.0+0 1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁷ Fe(p,n) ⁵⁷ Co σ(E)				
1479 CAL R OAP-422		875	TR 1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁷ Fe(p,γ) ⁵⁸ Co σ(E)				
1480 CAL S OAP-422		875	TR 1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁸ Fe(p,α) ⁵⁵ Mn σ(E)				
1481 CAL R OAP-422		875	9.2-1 1.1+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁸ Fe(p,n) ⁵⁸ Co σ(E)				
1482 CAL R OAP-422		875	TR 1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁸ Fe(p,γ) ⁵⁹ Co σ(E)				
1483 CAL R OAP-422		875	TR 1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁹ Co(p,α) ⁵⁶ Fe σ(E)				
1484 CAL R OAP-422		875	1.0+0 8.9+0	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁹ Co(p,n) ⁵⁹ Ni σ(E)				
1485 CAL R OAP-422		875	TR 1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁹ Co(p,γ) ⁶⁰ Ni σ(E)				
1486 CAL R OAP-422		875	TR 1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁸ Ni(p,α) ⁵⁵ Co σ(E)				
1487 CAL R OAP-422		875	1.0+0 1.4+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁸ Ni(p,γ) ⁵⁹ Cu σ(E)				
1488 CAL R OAP-422		875	TR 1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁸ Ni(p,n) ⁵⁹ Cu σ(E)				
1489 CAL R OAP-422		875	TR 1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁶⁰ Ni(p,α) ⁵⁷ Co σ(E)				
1490 CAL R OAP-422		875	1.0+0 1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁶⁰ Ni(p,n) ⁶⁰ Cu σ(E)				
1491 CAL R OAP-422		875	TR 1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁶⁰ Ni(p,γ) ⁶¹ Cu σ(E)				
1492 CAL R OAP-422		875	TR 1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{61}\text{Ni}(p, \alpha)^{58}\text{Co}$			$\sigma(E)$	
1493	CAL R OAP-422	875	1.0+0 1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{61}\text{Ni}(p, n)^{61}\text{Cu}$			$\sigma(E)$	
1494	CAL R OAP-422	875	TR 1.3+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{61}\text{Ni}(p, \gamma)^{62}\text{Cu}$			$\sigma(E)$	
1495	CAL R OAP-422	875	TR 1.3+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{62}\text{Ni}(p, \alpha)^{59}\text{Co}$			$\sigma(E)$	
1496	CAL R OAP-422	875	1.0+0 1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{62}\text{Ni}(p, n)^{62}\text{Cu}$			$\sigma(E)$	
1497	CAL R OAP-422	875	TR 1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{62}\text{Ni}(p, \gamma)^{63}\text{Cu}$			$\sigma(E)$	
1498	CAL R OAP-422	875	TR 1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{64}\text{Ni}(p, \alpha)^{61}\text{Co}$			$\sigma(E)$	
1499	CAL R OAP-422	875	1.0+0 1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{64}\text{Ni}(p, n)^{64}\text{Cu}$			$\sigma(E)$	
1500	CAL R OAP-422	875	TR 1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{64}\text{Ni}(p, \gamma)^{65}\text{Cu}$			$\sigma(E)$	
1501	CAL R OAP-422	875	TR 1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{63}\text{Cu}(p, \alpha)^{60}\text{Ni}$			$\sigma(E)$	
1502	CAL R OAP-422	875	1.1+0 8.9+0	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{63}\text{Cu}(p, n)^{63}\text{Zn}$			$\sigma(E)$	
1503	CAL R OAP-422	875	TR 1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{63}\text{Cu}(p, \gamma)^{64}\text{Zn}$			$\sigma(E)$	
1504	CAL R OAP-422	875	TR 1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{63}\text{Cu}(p, \alpha)^{62}\text{Ni}$			$\sigma(E)$	
1505	CAL R OAP-422	875	1.1+0 8.1+0	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{63}\text{Cu}(p, n)^{63}\text{Zn}$			$\sigma(E)$	
1506	CAL R OAP-422	875	TR 1.3+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{63}\text{Cu}(p, \gamma)^{64}\text{Zn}$			$\sigma(E)$	
1507	CAL R OAP-422	875	TR 1.3+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{64}\text{Zn}(p, \alpha)^{61}\text{Cu}$			$\sigma(E)$	
1508	CAL R OAP-422	875	1.0+0 1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{66}\text{Zn}(p, n)^{66}\text{Ga}$			$\sigma(E)$	
1509	CAL R OAP-422	875	TR 1.3+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{66}\text{Zn}(p, \gamma)^{67}\text{Ga}$			$\sigma(E)$	
1510	CAL R OAP-422	875	TR 1.3+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{66}\text{Zn}(p, \alpha)^{63}\text{Cu}$			$\sigma(E)$	
1511	CAL R OAP-422	875	1.2+0 1.3+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{66}\text{Zn}(p, n)^{66}\text{Ga}$			$\sigma(E)$	
1512	CAL R OAP-422	875	TR 1.3+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{66}\text{Zn}(p, \gamma)^{67}\text{Ga}$			$\sigma(E)$	
1513	CAL R OAP-422	875	TR 1.3+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{67}\text{Zn}(p, \alpha)^{64}\text{Cu}$			$\sigma(E)$	
1514	CAL R OAP-422	875	1.1+0 1.0+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{67}\text{Zn}(p, n)^{67}\text{Ga}$			$\sigma(E)$	
1515	CAL R OAP-422	875	TR 1.3+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{67}\text{Zn}(p, \gamma)^{68}\text{Ga}$			$\sigma(E)$	
1516	CAL R OAP-422	875	TR 1.3+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	⁶⁸ Zn(p,α) ⁶⁵ Cu σ(E)				
1517	CAL R OAP-422	875	1.1+0 1.1+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁶⁸ Zn(p,n) ⁶⁸ Ga σ(E)				
1518	CAL R OAP-422	875	TR 1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁶⁸ Zn(p,γ) ⁶⁸ Ga σ(E)				
1519	CAL R OAP-422	875	TR 1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁷⁰ Zn(p,α) ⁶⁷ Cu σ(E)				
1520	CAL R OAP-422	875	1.0+0 1.0+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁷⁰ Zn(p,n) ⁷⁰ Ga σ(E)				
1521	CAL R OAP-422	875	TR 1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁷⁰ Zn(p,γ) ⁷¹ Ga σ(E)				
1522	CAL R OAP-422	875	TR 1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁷⁵ As(p,3n) ⁷³ Se σ(E)				
1523	MCG J JIN 38	1581	76 3.0+1 8.0+1	BRODOVITCH+ CURV. TBL. PREEQUIL. MODEL.	
	⁷⁵ As(p,n) ⁷⁵ Se σ(E)				
1524	MCG J JIN 38	1581	76 1.0+1 8.0+1	BRODOVITCH+ CURV. TBL. PREEQUIL. MODEL.	
	⁸⁸ Sr(p,3n2p) ⁸⁴ Rb σ(E)				
1525	MIL J PL/B 65	311	D76 7.3+1	GADIOLI+ TBL. VAR. IN MEAN-FREE PATH	
	⁸⁸ Sr(p,3np) ⁸³ Sr σ(E)				
1526	MIL J PL/B 65	311	D76 5.4+1	GADIOLI+ TBL. VAR. IN MEAN-FREE PATH	
	⁸⁸ Sr(p,5n) ⁸⁴ Y σ(E)				
1527	MIL J PL/B 65	311	D76 6.9+1	GADIOLI+ TBL. VAR. IN MEAN-FREE PATH	
	⁸⁸ Sr(p,4n) ⁸³ Y σ(E)				
1528	MIL J PL/B 65	311	D76 5.4+1	GADIOLI+ TBL. VAR. IN MEAN-FREE PATH	
	⁸⁸ Sr(p,3n) ⁸⁶ Y σ(E)				
1529	MIL J PL/B 65	311	D76 3.9+1	GADIOLI+ TBL. VAR. IN MEAN-FREE PATH	
	⁸⁹ Y(p,5np) ⁸⁴ Y σ(E)				
1530	MCG J PR 144 962	66	6.6+1 8.5+1	SAHA+ TBL. CURV. ACTIVATION.	(M)
	4 EXFORB0001.010	76	6.6+1 8.5+1	. 3 ENTRIES.	(M)
	⁸⁹ Y(p,4np) ⁸³ Y ratio notestable/ground state				
1531	MCG J PR 144 962	66	6.0+1 8.5+1	SAHA+ TBL. CURV. DEDUCED.	
	4 EXFORB0001.009	76	6.0+1 8.5+1	. 9 ENTRIES.	
	⁸⁹ Y(p,4np) ⁸³ Y σ(E)				
1532	MCG J PR 144 962	66	6.0+1 8.5+1	SAHA+ TBL. CURV. DEDUCED.	H+
	4 EXFORB0001.009	76	6.0+1 8.5+1	. 9 ENTRIES.	H+
	⁸⁹ Y(p,4np) ⁸³ Y σ(E)				
1533	MCG J PR 144 962	66	6.0+1 8.5+1	SAHA+ TBL. CURV. ACTIVATION. T1/2=5.H	GND
	4 EXFORB0001.009	76	6.0+1 8.5+1	. 9 ENTRIES.	GND
	⁸⁹ Y(p,4np) ⁸³ Y σ(E)				
1534	MCG J PR 144 962	66	6.0+1 8.5+1	SAHA+ TBL. CURV. ACTIVATION. T1/2=2.68H	PAR
	4 EXFORB0001.009	76	6.0+1 8.5+1	. 9 ENTRIES.	PAR
	⁸⁹ Y(p,3np) ⁸⁰ Y ratio notestable/ground state				
1535	MCG J PR 144 962	66	4.5+1 8.5+1	SAHA+ TBL. CURV. DEDUCED.	
	4 EXFORB0001.008	76	4.5+1 8.5+1	. 9 ENTRIES.	
	⁸⁹ Y(p,3np) ⁸⁰ Y σ(E)				
1536	MCG J PR 144 962	66	3.7+1 8.5+1	SAHA+ TBL. CURV. DEDUCED.	H+
	4 EXFORB0001.008	76	3.7+1 8.5+1	. 11 ENTRIES.	H+
	⁸⁹ Y(p,4np) ⁸⁴ Y σ(E)				
1537	MIL J PL/B 65	311	D76 7.2+1	GADIOLI+ TBL. VAR. IN MEAN-FREE PATH	

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	⁸⁹ Y(p,3np) ⁸⁸ Y σ(E)				
1538 MCG J PR 144 962	4 EXFORB0001.008	66 4.5+1	8.5+1	SAHA+ TBL. CURV. ACTIVATION. T1/2=14.7H	GND
		76 4.5+1	8.5+1	. 9 ENTRIES.	GND
	⁸⁹ Y(p,3np) ⁸⁸ Y σ(E)				
1539 MCG J PR 144 962	4 EXFORB0001.008	66 4.5+1	8.5+1	SAHA+ TBL. CURV. ACTIVATION. T1/2=48.5H	PAR
		76 4.5+1	8.5+1	. 9 ENTRIES.	PAR
	⁸⁹ Y(p,2np) ⁸⁷ Y ratio metastable/ground state				
1540 MCG J PR 144 962	4 EXFORB0001.003	66 2.5+1	8.5+1	SAHA+ TBL. CURV. DEDUCED.	
		76 2.5+1	8.5+1	. 16 ENTRIES.	
	⁸⁹ Y(p,2np) ⁸⁷ Y σ(E)				
1541 MCG J PR 144 962	4 EXFORB0001.003	66 2.5+1	8.5+1	SAHA+ TBL. CURV. DEDUCED.	M+
		76 2.5+1	8.5+1	. 16 ENTRIES.	M+
	⁸⁹ Y(p,3np) ⁸⁷ Y σ(E)				
1542 MIL J PL/B 65 311	D76 5.8+1			GADIOLI+ TBL. VAR. IN MEAN-FREE PATH	
	⁸⁹ Y(p,2np) ⁸⁷ Y σ(E)				
1543 MCG J PR 144 962	4 EXFORB0001.003	66 2.5+1	8.5+1	SAHA+ TBL. CURV. ACTIVATION. T1/2=80.H	GND
		76 2.5+1	8.5+1	. 16 ENTRIES.	GND
	⁸⁹ Y(p,2np) ⁸⁷ Y σ(E)				
1544 MCG J PR 144 962	4 EXFORB0001.003	66 2.5+1	8.5+1	SAHA+ TBL. CURV. ACTIVATION. T1/2=13.2H	
		76 2.5+1	8.5+1	. 16 ENTRIES.	
	⁸⁹ Y(p,np) ⁸⁸ Y σ(E)				
1545 MCG J PR 144 962	4 EXFORB0001.007	66 1.5+1	8.5+1	SAHA+ TBL. CURV. ACTIVATION.	
		76 1.5+1	8.5+1	. 16 ENTRIES.	
	⁸⁹ Y(p,2np) ⁸⁶ Y σ(E)				
1546 MIL J PL/B 65 311	D76 4.3+1			GADIOLI+ TBL. VAR. IN MEAN-FREE PATH	
	⁸⁹ Y(p,4n) ⁸⁸ Zr σ(E)				
1547 MCG J PR 144 962	4 EXFORB0001.006	66 4.5+1	8.5+1	SAHA+ TBL. CURV. ACTIVATION.	
		76 4.5+1	8.5+1	. 9 ENTRIES.	
1548 MIL J PL/B 65 311	D76 5.4+1			GADIOLI+ TBL. VAR. IN MEAN-FREE PATH	
	⁸⁹ Y(p,3n) ⁸⁷ Zr σ(E)				
1549 MCG J PR 144 962	4 EXFORB0001.005	66 3.1+1	8.5+1	SAHA+ TBL. CURV. ACTIVATION.	M+
		76 3.1+1	8.5+1	. 14 ENTRIES.	M+
1550 MIL J PL/B 65 311	D76 4.0+1			GADIOLI+ TBL. VAR. IN MEAN-FREE PATH	
	⁸⁹ Y(p,2n) ⁸⁸ Zr σ(E)				
1551 MCG J PR 144 962	4 EXFORB0001.004	66 1.5+1	8.5+1	SAHA+ TBL. CURV. ACTIVATION.	
		75 1.5+1	8.5+1	. 18 ENTRIES.	
	⁸⁹ Y(p,n) ⁸⁹ Zr σ(E)				
1552 MCG J PR 144 962	4 EXFORB0001.002	66 5.0+0	8.5+1	SAHA+ TBL. CURV. ACTIVATION.	M+
		76 5.0+0	8.5+1	. 19 ENTRIES.	M+
	⁸⁹ Y(p,γ) ⁹⁰ Zr σ(E)				
1553 LRL J PRL 38 156	177 1.4+1 2.7+1			DIETRICH+ FCT=1/4PI FROM ANG DIST	PAR FCT
	⁹⁰ Zr(p,2p3n) ⁸⁸ Y σ(E)				
1554 MIL J PL/B 65 311	D76 7.8+1			GADIOLI+ TBL. VAR. IN MEAN-FREE PATH	
	⁹⁰ Zr(p,2p2n) ⁸⁷ Y σ(E)				
1555 MIL J PL/B 65 311	D76 6.0+1			GADIOLI+ TBL. VAR. IN MEAN-FREE PATH	
	⁹⁰ Mo(p,4n) ⁹³ Tc σ(E)				
1556 MCG J JIN 38 1581	76 3.1+1 8.0+1			BRODOVITCH+ CURV. PREEQUILIBRIUM MODEL.	
	⁹⁰ Mo(p,3n) ⁹⁴ Tc σ(E)				
1557 MCG J JIN 38 1581	76 2.0+1 8.0+1			BRODOVITCH+ CURV. PREEQUILIBRIUM MODEL.	
	⁹⁰ Mo(p,2n) ⁹³ Tc σ(E)				
1558 MCG J JIN 38 1581	76 1.2+1 8.0+1			BRODOVITCH+ CURV. PREEQUILIBRIUM MODEL.	

THEORETICAL REFERENCES(cont)					
No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
⁹⁶Mo(p,n)⁹⁶Tc e(E)					
1559 MCG J JIN	38	1581	76 3.0+0	8.2+1 BRODOVITCH+ CURV. PREEQUILIBRIUM MODEL.	
¹¹⁰Cd(p,n)^{110m}In ratio metastable/ground state					
1560 UFT J IZV	40	193	76 6.0+0	2.0+1 SKAKUN+ CURV. PREEQUIL. MODEL.	M1/GND
J BAS	40	163	76 6.0+0	2.0+1 . TRANSLATION OF IZV 40, 193(76).	M1/GND
¹¹²Cd(p,n)^{112m}In ratio metastable/ground state					
1561 UFT J IZV	40	193	76 4.0+0	2.0+1 SKAKUN+ CURV. PREEQUIL. MODEL.	M1/GND
J BAS	40	163	76 4.0+0	2.0+1 . TRANSLATION OF IZV 40, 193(76).	M1/GND
¹¹⁴Cd(p,n)^{114m}In ratio metastable/metastable state					
1562 CCP J IZV	39	2181	75 4.0+0	9.0+0 SKAKUN+ CURV. 502KEV LEV/191.6 KEV LEV.	M2/M1
J BAS	39	149	76 4.0+0	9.0+0 . TRANSLATION OF IZV 39, 2181(75).	M2/M1
¹¹⁴Cd(p,n)¹¹⁴In ratio metastable/total					
1563 CCP J IZV	39	2181	75 4.0+0	9.0+0 SKAKUN+ CURV. 502 KEV LEV.	M2/M+
J BAS	39	149	76 4.0+0	9.0+0 . TRANSLATION OF IZV 39, 2181(75).	M2/M+
¹¹⁶Cd(p,n)^{116m}In ratio metastable/metastable state					
1564 CCP J IZV	39	2181	75 5.0+0	9.0+0 SKAKUN+ CURV. 220KEV LEV/60KEV LEV.	M2/M1
J BAS	39	149	76 5.0+0	9.0+0 . TRANSLATION OF IZV 39, 2181(75).	M2/M1
¹³⁹La(p,x)¹³⁴Cs					
1565 PAR J JIN	38	965	76 2.0+1	1.7+2 KRUPA+ CURV.	
¹³⁹La(p,x)¹³⁵Cs					
1566 PAR J JIN	38	965	76 3.0+1	1.6+2 KRUPA+ CURV.	
¹³⁹La(p,α)¹³⁴Ba e(E)					
1567 MIL J NC	30	632	75 2.0+1	MILAZZO-COLLI+ (2.6+-0.5)MB.	
J NC	30	632	75 2.0+1	MILAZZO-COLLI+ 0.1MB.	DI
J NC	30	632	75 2.0+1	MILAZZO-COLLI+ PRECOMPOUND = 2.5MB	PAR
¹⁴⁰La(p,α)¹³⁷La e(E)					
1568 MIL J NC	30	632	75 2.0+1	MILAZZO-COLLI+ (5.1+-1.0)MB.	
J NC	30	632	75 2.0+1	MILAZZO-COLLI+ 0.3MB.	DI
J NC	30	632	75 2.0+1	MILAZZO-COLLI+ PRECOMPOUND = 3.7 MB.	PAR
¹⁴¹Pr(p,4n)¹³⁸Nd e(E)					
1569 MCG J JIN	33	3627	71 3.8+1	8.5+1 HOGAN. TBL. CURV. ACTIV. RADIOCHEM.	
4 EXFORB0003.005			76 3.8+1	8.5+1 . 6 ENTRIES	
¹⁴¹Pr(p,3n)¹³⁹Nd ratio metastable/ground state					
1570 MCG J JIN	33	3627	71 2.5+1	8.5+1 HOGAN. TBL. CURV. DEDUCED.	
4 EXFORB0003.004			76 2.5+1	8.5+1 . 9 ENTRIES. T1/2=5.5H/T1/2=30.0M	
¹⁴¹Pr(p,3n)¹³⁹Nd e(E)					
1571 MCG J JIN	33	3627	71 2.5+1	8.5+1 HOGAN. TBL. CURV. DEDUCED.	M+
4 EXFORB0003.004			76 2.5+1	8.5+1 . 9 ENTRIES.	M+
¹⁴¹Pr(p,3n)^{139m}Nd e(E)					
1572 MCG J JIN	33	3627	71 2.5+1	8.5+1 HOGAN. TBL. CURV. ACTIV. RADIOCHEM.	
4 EXFORB0003.004			76 2.5+1	8.5+1 . 9 ENTRIES. T1/2=30.0M	
¹⁴¹Pr(p,3n)^{139m}Nd e(E)					
1573 MCG J JIN	33	3627	71 2.5+1	8.5+1 HOGAN. TBL. CURV. ACTIV. RADIOCHEM.	
4 EXFORB0003.004			76 2.5+1	8.5+1 . 9 ENTRIES. T1/2=5.5H.	
¹⁴¹Pr(p,2n)¹⁴⁰Nd e(E)					
1574 MCG J JIN	33	3627	71 9.0+0	8.5+1 HOGAN. TBL. CURV. ACTIV. RADIOCHEM.	
4 EXFORB0003.003			76 9.0+0	8.5+1 . 13 ENTRIES.	
¹⁴¹Pr(p,n)¹⁴¹Nd e(E)					
1575 MCG J JIN	33	3627	71 9.0+0	3.8+1 HOGAN. TBL. CURV. ACTIV. RADIOCHEM.	M+
4 EXFORB0003.002			76 9.0+0	3.8+1 . 6 ENTRIES.	M+
¹⁵⁰Nd(p,α)¹⁴⁷Pr e(E)					
1576 MIL J NP/A	218	274	74 1.8+1	MILAZZO-COLLI+ (6.7+-1.3)MB	
4 EXFORB0006.003			76 1.8+1	. 1 ENTRY	

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
¹⁴⁷Sm(p,α)¹⁴⁴Pm σ(E)					
1577 MIL J NP/A 218	274	74	1.8+1	MILAZZO-COLLI+ (13.1+-2.6)MB	
4 EXFORB0006.002	76	1.8+1		1 ENTRY	
¹⁵⁸Sm(p,α)¹⁴⁷Pm σ(E)					
1578 MIL J NC 30	632	75	2.0+1	MILAZZO-COLLI+ (7.2+-1.4)MB.	
J NC 30	632	75	2.0+1	MILAZZO-COLLI+ PRECOMPOUND = 5.6MB.	PAR
J NC 30	632	75	2.0+1	MILAZZO-COLLI+ 0.3MB.	DI
¹⁵²Sm(p,α)¹⁴⁹Pm σ(E)					
1579 MIL J NP/A 218	274	74	1.8+1	MILAZZO-COLLI+ (6.5+-1.3)MB	
4 EXFORB0006.004	76	1.8+1		1 ENTRY	
¹⁵⁴Sm(p,α)¹⁵¹Pm σ(E)					
1580 MIL J NP/A 218	274	74	1.8+1	MILAZZO-COLLI+ (5.4+-1.1)MB	
4 EXFORB0006.005	76	1.8+1		1 ENTRY	
¹⁵⁶Gd(p,α)¹⁵³Eu σ(E)					
1581 MIL J NC 30	632	75	2.0+1	MILAZZO-COLLI+ (4.1+-0.8)MB.	
J NC 30	632	75	2.0+1	MILAZZO-COLLI+ 0.2MB.	DI
J NC 30	632	75	2.0+1	MILAZZO-COLLI+ PRECOMPOUND = 3.8MB.	PAR
¹⁷¹Yb(p,α)¹⁶⁸Tm σ(E)					
1582 MIL J NC 30	632	75	2.0+1	MILAZZO-COLLI+ (2.8+-0.6)MB.	
J NC 30	632	75	2.0+1	MILAZZO-COLLI+ PRECOMPOUND = 2.7MB.	PAR
J NC 30	632	75	2.0+1	MILAZZO-COLLI+ 0.1MB.	DI
¹⁷⁶Yb(p,α)¹⁷³Tm σ(E)					
1583 MIL J NP/A 218	274	74	1.8+1	MILAZZO-COLLI+ (4.1+-0.8)MB	
4 EXFORB0006.006	76	1.8+1		1 ENTRY	
²⁰³Tl(p,α)²⁰⁰Hg σ(E)					
1584 MIL J NC 30	632	75	2.0+1	MILAZZO-COLLI+ (3.1+-0.6)MB.	
J NC 30	632	75	2.0+1	MILAZZO-COLLI+ 1.2MB.	DI
J NC 30	632	75	2.0+1	MILAZZO-COLLI+ PRECOMPOUND = 1.9MB.	PAR
²⁰³Tl(p,α)²⁰²Hg σ(E)					
1585 MIL J NC 30	632	75	2.0+1	MILAZZO-COLLI+ (3.1+-0.6)MB.	
J NC 30	632	75	2.0+1	MILAZZO-COLLI+ 1.3MB.	DI
J NC 30	632	75	2.0+1	MILAZZO-COLLI+ PRECOMPOUND = 1.3MB.	PAR
²⁰⁶Pb(p,α)²⁰³Tl σ(E)					
1586 MIL J NC 30	632	75	2.0+1	MILAZZO-COLLI+ (3.0+-0.6)MB.	
J NC 30	632	75	2.0+1	MILAZZO-COLLI+ PRECOMPOUND = 1.3MB.	PAR
J NC 30	632	75	2.0+1	MILAZZO-COLLI+ 1.7MB.	DI
²⁰⁷Pb(p,α)²⁰⁴Tl σ(E)					
1587 MIL J NC 30	632	75	2.0+1	3.0+1 MILAZZO-COLLI+ TBL.	
J NC 30	632	75	2.0+1	3.0+1 MILAZZO-COLLI+ TBL.	DI
J NC 30	632	75	2.0+1	3.0+1 MILAZZO-COLLI+ TBL. PRECOMPOUND.	PAR
²⁰⁸Pb(p,α)²⁰⁵Tl σ(E)					
1588 MIL J NC 30	632	75	2.0+1	3.0+1 MILAZZO-COLLI+ TBL.	
J NC 30	632	75	2.0+1	3.0+1 MILAZZO-COLLI+ TBL.	DI
J NC 30	632	75	2.0+1	3.0+1 MILAZZO-COLLI+ TBL. PRECOMPOUND.	PAR
²⁰⁸Pb(p,x)²⁰⁶Pb σ(E)					
1589 TOK J NP/A 262	52	76	2.4+1	5.2+1 KAWAKAMI+ T1/2=0.13MSEC. TBL. CURV. CKO	IND
²⁰⁸Pb(p,x)²⁰⁷Pb σ(E)					
1590 TOK J NP/A 262	52	76	2.4+1	5.2+1 KAWAKAMI+ T1/2=0.80SEC. TBL. CURV. CKO	IND
²⁰⁹Bi(p,α)²⁰⁶Pb σ(E)					
1591 MIL J NC 30	632	75	2.0+1	MILAZZO-COLLI+ (2.6+-0.5)MB.	
J NC 30	632	75	2.0+1	MILAZZO-COLLI+ PRECOMPOUND = 1.1MB.	PAR
J NC 30	632	75	2.0+1	MILAZZO-COLLI+ 1.5MB.	DI
²²⁷Ra(p,fission)Fission fragments fission yield					
1592 ANL J PR/C 14	1832	76	1.3+1	WILKINS+ CURV. ARB. UNITS.	REL

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
²⁵²Th(p,α)²²⁸Ac σ(E)					
1593 MIL J NC	30	632	75 2.0+1	MILAZZO-COLLI+ (4.1+0.8)MB.	DI PAR
J NC	30	632	75 2.0+1	MILAZZO-COLLI+ 0.7MB.	
J NC	30	632	75 2.0+1	MILAZZO-COLLI+ PRECOMPOUND = 3.4MB.	
²³⁵U(p,x)²³⁶U product yield					
1594 RIC J JGR	81	5701	76 SCR	WALTON+ TBL.E<200.<Z>=13. 1XU.99XINERT	
J JGR	81	5701	76 SCR	WALTON+ TBL.E<45.<Z>=13. 1XU.99XINERT	
²³⁵U(p,fission)⁹⁵Nb ratio metastable/ground state					
1595 LAS J ANS	24	461	N76 1.0+1	MADLAND+ CURV. SEMIEMPERICAL.	
²⁴¹Am(p,2n)²⁴⁰Cm σ(E)					
1596 NB! J NP/A	213	397	73 8.0+0 1.6+1	METAG+ TBL. CURV. REL. TO (P,F)	FCT FCT
4 EXFORB0007.002			76 8.0+0 1.6+1	. 19 ENTRIES.	
4 EXFORB0007.002			76 8.0+0 1.6+1	.DED. BY COMPILER FRM NP/A 213,397(75)	
²⁴¹Am(p,fission)Fission fragments σ(E)					
1597 NB! J NP/A	213	397	73 8.0+0 1.6+1	METAG+ TBL. CURV. ASSUMED ISOTR. DIST.	PR PR
4 EXFORB0007.006			76 8.0+0 1.6+1	. 19 ENTRIES.	
Systematics(p,γ) σ(E)					
1598 CAL R OAP-422		875	TR 1.3+1	WOODSLEY+ CURV. Z=10-30. A=22-70. HAUSER	
Systematics(p,n) σ(E)					
1599 CAL R OAP-422		875	TR 1.3+1	WOODSLEY+ CURV. Z=10-30. A=22-70. HAUSER	
Systematics(p,α) σ(E)					
1600 CAL R OAP-422		875	1.0-1 1.6+1	WOODSLEY+ CURV. Z=10-30. A=22-70. HAUSER	
²H(d,4n) σ(E)					
1601 NOT J PR/C	14	1343	76 5.0+0 1.9+2	FONSECA+ CURV. SPINLESS MODEL.	
²H(d,total) σ(E)					
1602 NOT J PR/C	14	1343	76 5.0+0 1.9+2	FONSECA+ CURV. SPINLESS MODEL.	
²H(d,d)²H σ(E)					
1603 NOT J PR/C	14	1343	76 5.0+0 1.9+2	FONSECA+ CURV. SPINLESS MODEL.	
²H(d,n)³H σ(E)					
1604 NOT J PR/C	14	1343	76 5.0+0 1.9+2	FONSECA+ CURV. SPINLESS MODEL.	
⁴He(d,total) σ(E)					
1605 MIN J NP/A	266	1	76 2.9+0 8.1+1	LEMERE+ TBL. RESONATING GROUP.	
⁶Li(d,resonance) σ(E)					
1606 ANL J NP/A	269	61	76 0.0+0 4.7-1	MONAHAN+ CURV. REL. TO TOTAL SIGMA.	REL
J NP/A	269	61	76 1.3-1 6.7-1	MONAHAN+ CURV. R-MATRIX THEORY.	
⁶Li(d,α)⁴He σ(E)					
1607 ANL J NP/A	269	61	76 2.0-2 1.3-1	MONAHAN+ CURV. R-MATRIX THEORY.	
J NP/A	269	61	76 2.0-2 1.3-1	MONAHAN+ CURV. R-MATRIX THEORY.	
⁶Li(d,p)⁷Li σ(E)					
1608 ANL J NP/A	269	61	76 2.0-2 1.3-1	MONAHAN+ CURV. R-MATRIX THEORY.	
⁶Li(d,n)⁷Be σ(E)					
1609 ANL J NP/A	269	61	76 2.0-2 1.3-1	MONAHAN+ CURV. R-MATRIX THEORY.	
⁸⁹Y(d,p)⁸⁹Y σ(E)					
1610 KTO J BCR	52	170	174 5.0+0 1.5+1	OKAMURA+ CURV. NEW CALC. METH.	
⁸⁹Y(d,p)⁸⁹Y σ(E)					
1611 KTO J BCR	52	170	174 5.0+0 1.5+1	OKAMURA+ CURV. NEW CALC. METH.	
¹³⁰Te(d,α)¹³¹Te σ(E)					
1612 KTO J BCR	52	170	174 4.3+0 1.4+1	OKAMURA+ TBL. CURV. NEW CALC. METH.	
¹³⁰Te(d,p)¹³¹Te σ(E)					
1613 KTO J BCR	52	170	174 4.3+0 1.4+1	OKAMURA+ TBL. CURV. NEW CALC. METH.	

THEORETICAL REFERENCES(cont)

No. Lab	Reference	Emin (MeV)	Emax (MeV)	Author, Comments	Branch, Particle and Modifier
¹⁹⁷ Au(d,fission)Fission fragments ratio ternary/binary $\sigma(E)$					
1614	STR J PR/C 8 1500	73	2.0+3	RAHIMI+ (1.96+-0.3) PER CENT	TER/BIN
	4 EXFORB0008.010	76	2.0+3	. 1 ENTRY	TER/BIN
	4 EXFORB0008.011	76	2.0+3	. 1 ENTRY	TER/BIN
¹⁹⁷ Au(d,fission)Fission fragments $\sigma(E)$					
1615	STR J PR/C 8 1500	73	2.0+3	RAHIMI+ (3.0+-1.)MB	TER
	4 EXFORB0008.011	76	2.0+3	. 1 ENTRY	TER
1616	STR J PR/C 8 1500	73	2.0+3	RAHIMI+ (157+-20)MB	BIN
	4 EXFORB0008.010	76	2.0+3	. 1 ENTRY	BIN
Pb(d,fission)Fission fragments ratio ternary/binary $\sigma(E)$					
1617	STR J PR/C 8 1500	73	2.0+3	RAHIMI+ (1.97+-0.25) PER CENT	TER/BIN
	4 EXFORB0008.008	76	2.0+3	. 1 ENTRY	TER/BIN
	4 EXFORB0008.009	76	2.0+3	. 1 ENTRY	TER/BIN
Pb(d,fission)Fission fragments $\sigma(E)$					
1618	STR J PR/C 8 1500	73	2.0+3	RAHIMI+ (3.6+-1.)MB	TER
	4 EXFORB0008.009	76	2.0+3	. 1 ENTRY	TER
1619	STR J PR/C 8 1500	73	2.0+3	RAHIMI+ (182+-40)MB	BIN
	4 EXFORB0008.008	76	2.0+3	. 1 ENTRY	BIN
²⁰⁸ Pb(d,np) ²⁰⁸ Pb $\sigma(E)$					
1620	JUL J PL/C 25 293	76	5.0+0 1.3+1	BAUR+ CURV	
²⁰⁸ Bi(d,fission)Fission fragments ratio ternary/binary $\sigma(E)$					
1621	STR J PR/C 8 1500	73	2.0+3	RAHIMI+ (1.83+-0.24) PER CENT	TER/BIN
	4 EXFORB0008.006	76	2.0+3	. 1 ENTRY	TER/BIN
	4 EXFORB0008.007	76	2.0+3	. 1 ENTRY	TER/BIN
²⁰⁸ Bi(d,fission)Fission fragments $\sigma(E)$					
1622	STR J PR/C 8 1500	73	2.0+3	RAHIMI+ (6.0+-2.0)MB	TER
	4 EXFORB0008.007	76	2.0+3	. 1 ENTRY	TER
1623	STR J PR/C 8 1500	73	2.0+3	RAHIMI+ (323+-60)MB	BIN
	4 EXFORB0008.006	76	2.0+3	. 1 ENTRY	BIN
²³² Th(d,fission)Fission fragments ratio ternary/binary $\sigma(E)$					
1624	STR J PR/C 8 1500	73	2.0+3	RAHIMI+ (0.70+-0.13) PER CENT	TER/BIN
	4 EXFORB0008.004	76	2.0+3	. 1 ENTRY	TER/BIN
	4 EXFORB0008.005	76	2.0+3	. 1 ENTRY	TER/BIN
²³² Th(d,fission)Fission fragments $\sigma(E)$					
1625	STR J PR/C 8 1500	73	2.0+3	RAHIMI+ (10.0+-0.3)MB	TER
	4 EXFORB0008.005	76	2.0+3	. 1 ENTRY	TER
1626	STR J PR/C 8 1500	73	2.0+3	RAHIMI+ (1.421+-0.260)B	BIN
	4 EXFORB0008.004	76	2.0+3	. 1 ENTRY	BIN
U(d,fission)Fission fragments ratio ternary/binary $\sigma(E)$					
1627	STR J PR/C 8 1500	73	2.0+3	RAHIMI+ (0.78+-0.1) PER CENT	TER/BIN
	4 EXFORB0008.002	76	2.0+3	. 1 ENTRY	TER/BIN
	4 EXFORB0008.003	76	2.0+3	. 1 ENTRY	TER/BIN
U(d,fission)Fission fragments $\sigma(E)$					
1628	STR J PR/C 8 1500	73	2.0+3	RAHIMI+ (13+-4)MB	TER
	4 EXFORB0008.003	76	2.0+3	. 1 ENTRY	TER
1629	STR J PR/C 8 1500	73	2.0+3	RAHIMI+ (1.654+-0.340)B	BIN
	4 EXFORB0008.002	76	2.0+3	. 1 ENTRY	BIN
Systematics(d,fission)Fission fragments ratio ternary/binary $\sigma(E)$					
1630	STR J PR/C 8 1500	73	2.0+3	RAHIMI+ TBL.U,TH232,B1209,AU197,PB	TER/BIN
Systematics(d,fission)Fission fragments $\sigma(E)$					
1631	STR J PR/C 8 1500	73	2.0+3	RAHIMI+ TBL.U,TH232,B1209,AU197,PB	BIN
	J PR/C 8 1500	73	2.0+3	RAHIMI+ TBL.U,TH232,B1209,AU197,PB	TER
²³⁰ Th(α ,p) ²³² Th $\sigma(E)$					
1632	NTA J NP/A 263 315	76	NDG	RAGNARSSON+ TBL. REL. TO G.S. SIGMA	REL
²³² U(α ,p) ²³⁴ U $\sigma(E)$					
1633	NTA J NP/A 263 315	76	NDG	RAGNARSSON+ TBL. REL. TO G.S. SIGMA	REL

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{240}\text{Pu}(\epsilon, p)^{242}\text{Pu}$	$\sigma(E)$			
1634 NTA J NP/A 263	$^{242}\text{Pu}(\epsilon, p)^{244}\text{Pu}$	315	76 NDG	RAGNARSSON+ TBL. REL. TO G.S. SIGMA	REL
	$^{242}\text{Pu}(\epsilon, p)^{244}\text{Pu}$	$\sigma(E)$			
1635 NTA J NP/A 263	$^{246}\text{Cm}(\epsilon, p)^{248}\text{Cm}$	315	76 NDG	RAGNARSSON+ TBL. REL. TO G.S. SIGMA	REL
	$^{246}\text{Cm}(\epsilon, p)^{248}\text{Cm}$	$\sigma(E)$			
1636 NTA J NP/A 263	$^3\text{He}(\epsilon, \alpha)^2\text{He}$	315	76 NDG	RAGNARSSON+ TBL. REL. TO G.S. SIGMA	REL
	$^3\text{He}(\epsilon, \alpha)^2\text{He}$	$\sigma(E)$			
1637 MNA J NP/A 260	$^{11}\text{C}(\alpha, p)^{14}\text{N}$	344	76 3.9-1 1.1+0	MCKEE+ CURV NEUTRON TUNNELING MODEL	SEO
	$^{11}\text{C}(\alpha, p)^{14}\text{N}$	$\sigma(E)$			
1638 CAL J PR/C 13	$^{12}\text{C}(\alpha, \gamma)^{16}\text{O}$	524	76 NDG	INGALLS+ INV. EQUATION.	
	$^{12}\text{C}(\alpha, \gamma)^{16}\text{O}$	$\sigma(E)$			
1639 CAL J NP/A 271	$^{13}\text{C}(\alpha, n)^{16}\text{O}$	210	76 4.0-1 4.1+0	HUMBLEY+ CURV. S-FACTOR.	FCT
	$^{13}\text{C}(\alpha, n)^{16}\text{O}$	thick target yield			
1640 AE J NP/A 272	$^{20}\text{Ne}(\alpha, p)^{23}\text{Ne}$	259	N76 6.0-1 1.2+0	RAMSTROM+ CURV. DERIVED FORMULAE.	FCT
	$^{20}\text{Ne}(\alpha, p)^{23}\text{Ne}$	$\sigma(E)$			
1641 CAL R OAP-422	$^{20}\text{Ne}(\alpha, n)^{23}\text{Ne}$	875 TR	1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{20}\text{Ne}(\alpha, n)^{23}\text{Ne}$	$\sigma(E)$			
1642 CAL R OAP-422	$^{20}\text{Ne}(\alpha, \gamma)^{24}\text{Ne}$	875 TR	1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{20}\text{Ne}(\alpha, \gamma)^{24}\text{Ne}$	$\sigma(E)$			
1643 CAL R OAP-422	$^{21}\text{Ne}(\alpha, p)^{24}\text{Ne}$	875 TR	1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{21}\text{Ne}(\alpha, p)^{24}\text{Ne}$	$\sigma(E)$			
1644 CAL R OAP-422	$^{21}\text{Ne}(\alpha, n)^{24}\text{Ne}$	875 TR	1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{21}\text{Ne}(\alpha, n)^{24}\text{Ne}$	$\sigma(E)$			
1645 CAL R OAP-422	$^{21}\text{Ne}(\alpha, \gamma)^{23}\text{Ne}$	875 TR	1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{21}\text{Ne}(\alpha, \gamma)^{23}\text{Ne}$	$\sigma(E)$			
1646 CAL R OAP-422	$^{22}\text{Ne}(\alpha, p)^{25}\text{Ne}$	875 TR	1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{22}\text{Ne}(\alpha, p)^{25}\text{Ne}$	$\sigma(E)$			
1647 CAL R OAP-422	$^{22}\text{Ne}(\alpha, n)^{25}\text{Ne}$	875 TR	1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{22}\text{Ne}(\alpha, n)^{25}\text{Ne}$	$\sigma(E)$			
1648 CAL R OAP-422	$^{22}\text{Ne}(\alpha, \gamma)^{24}\text{Ne}$	875 TR	1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{22}\text{Ne}(\alpha, \gamma)^{24}\text{Ne}$	$\sigma(E)$			
1649 CAL R OAP-422	$^{23}\text{Ne}(\alpha, p)^{26}\text{Ne}$	875 TR	1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{23}\text{Ne}(\alpha, p)^{26}\text{Ne}$	$\sigma(E)$			
1650 CAL R OAP-422	$^{23}\text{Ne}(\alpha, n)^{26}\text{Ne}$	875 TR	1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{23}\text{Ne}(\alpha, n)^{26}\text{Ne}$	$\sigma(E)$			
1651 CAL R OAP-422	$^{23}\text{Ne}(\alpha, \gamma)^{27}\text{Al}$	875 TR	1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{23}\text{Ne}(\alpha, \gamma)^{27}\text{Al}$	$\sigma(E)$			
1652 CAL R OAP-422	$^{24}\text{Mg}(\alpha, p)^{27}\text{Al}$	875 TR	1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{24}\text{Mg}(\alpha, p)^{27}\text{Al}$	$\sigma(E)$			
1653 CAL R OAP-422	$^{24}\text{Mg}(\alpha, n)^{27}\text{Si}$	875 TR	1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{24}\text{Mg}(\alpha, n)^{27}\text{Si}$	$\sigma(E)$			
1654 CAL R OAP-422	$^{24}\text{Mg}(\alpha, \gamma)^{28}\text{Si}$	875 TR	1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{24}\text{Mg}(\alpha, \gamma)^{28}\text{Si}$	$\sigma(E)$			
1655 CAL R OAP-422	$^{25}\text{Mg}(\alpha, p)^{28}\text{Al}$	875 TR	1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{25}\text{Mg}(\alpha, p)^{28}\text{Al}$	$\sigma(E)$			
1656 CAL R OAP-422	$^{25}\text{Mg}(\alpha, n)^{28}\text{Si}$	875 TR	1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{25}\text{Mg}(\alpha, n)^{28}\text{Si}$	$\sigma(E)$			
1657 CAL R OAP-422		875 TR	1.2+1	WOODSLEY+ CURV. HAUSER-FESHBACH.	

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{25}\text{Mg}(\alpha, \gamma)^{29}\text{Si}$ $\sigma(E)$				
1658	CAL R OAP-422	875	TR	1.2+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{26}\text{Mg}(\alpha, p)^{29}\text{Al}$ $\sigma(E)$				
1659	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{26}\text{Mg}(\alpha, n)^{29}\text{Si}$ $\sigma(E)$				
1660	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{26}\text{Mg}(\alpha, \gamma)^{30}\text{Si}$ $\sigma(E)$				
1661	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{27}\text{Al}(\alpha, n2\alpha)^{22}\text{Ne}$ $\sigma(E)$				
1662	ROC J NP/A 131 513 69 4.6+1 1.2+2 BOWMAN+ CURV. ACTIVATION. 4 EXFORB0009.010 76 4.6+1 1.2+2 . 37 ENTRIES.				
	$^{27}\text{Al}(\alpha, n2p\alpha)^{24}\text{Ne}$ $\sigma(E)$				
1663	ROC J NP/A 131 513 69 4.6+1 1.2+2 BOWMAN+ CURV. ACTIVATION. 4 EXFORB0009.011 76 4.6+1 1.2+2 . 93 ENTRIES.				
	$^{27}\text{Al}(\alpha, p)^{30}\text{Si}$ $\sigma(E)$				
1664	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{27}\text{Al}(\alpha, n)^{30}\text{P}$ $\sigma(E)$				
1665	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{27}\text{Al}(\alpha, \gamma)^{31}\text{P}$ $\sigma(E)$				
1666	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{28}\text{Si}(\alpha, p)^{31}\text{P}$ $\sigma(E)$				
1667	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{28}\text{Si}(\alpha, n)^{31}\text{S}$ $\sigma(E)$				
1668	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{28}\text{Si}(\alpha, \gamma)^{32}\text{S}$ $\sigma(E)$				
1669	CAL R OAP-422	875	TR	2.0+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{29}\text{Si}(\alpha, p)^{32}\text{P}$ $\sigma(E)$				
1670	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{29}\text{Si}(\alpha, n)^{32}\text{S}$ $\sigma(E)$				
1671	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{29}\text{Si}(\alpha, \gamma)^{33}\text{S}$ $\sigma(E)$				
1672	CAL R OAP-422	875	TR	1.7+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{30}\text{Si}(\alpha, p)^{33}\text{P}$ $\sigma(E)$				
1673	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{30}\text{Si}(\alpha, n)^{33}\text{S}$ $\sigma(E)$				
1674	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{30}\text{Si}(\alpha, \gamma)^{34}\text{S}$ $\sigma(E)$				
1675	CAL R OAP-422	875	TR	1.4+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{31}\text{P}(\alpha, p)^{34}\text{S}$ $\sigma(E)$				
1676	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{31}\text{P}(\alpha, n)^{34}\text{Cl}$ $\sigma(E)$				
1677	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{31}\text{P}(\alpha, \gamma)^{35}\text{Cl}$ $\sigma(E)$				
1678	CAL R OAP-422	875 5.6-1 9.0+0		WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{32}\text{S}(\alpha, p)^{35}\text{Cl}$ $\sigma(E)$				
1679	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{32}\text{S}(\alpha, n)^{33}\text{Ar}$ $\sigma(E)$				
1680	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{32}\text{S}(\alpha, \gamma)^{36}\text{Ar}$ $\sigma(\text{E})$				
1681	CAL R OAP-422	875	TR	1.6+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{33}\text{S}(\alpha, p)^{36}\text{Cl}$ $\sigma(\text{E})$				
1682	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{33}\text{S}(\alpha, n)^{34}\text{Ar}$ $\sigma(\text{E})$				
1683	CAL R OAP-422	875	TR	1.2+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{33}\text{S}(\alpha, \gamma)^{37}\text{Ar}$ $\sigma(\text{E})$				
1684	CAL R OAP-422	875	TR	1.2+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{34}\text{S}(\alpha, p)^{37}\text{Cl}$ $\sigma(\text{E})$				
1685	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{34}\text{S}(\alpha, n)^{37}\text{Ar}$ $\sigma(\text{E})$				
1686	CAL R OAP-422	875	TR	1.2+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{34}\text{S}(\alpha, \gamma)^{38}\text{Ar}$ $\sigma(\text{E})$				
1687	CAL R OAP-422	875	TR	1.2+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{36}\text{S}(\alpha, p)^{39}\text{Cl}$ $\sigma(\text{E})$				
1688	CAL R OAP-422	875	TR	1.2+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{36}\text{S}(\alpha, n)^{39}\text{Ar}$ $\sigma(\text{E})$				
1689	CAL R OAP-422	875	TR	1.0+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{36}\text{S}(\alpha, \gamma)^{40}\text{Ar}$ $\sigma(\text{E})$				
1690	CAL R OAP-422	875	TR	1.0+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{35}\text{Cl}(\alpha, p)^{38}\text{Ar}$ $\sigma(\text{E})$				
1691	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{35}\text{Cl}(\alpha, n)^{36}\text{K}$ $\sigma(\text{E})$				
1692	CAL R OAP-422	875	1.0+0 8.9+0	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{35}\text{Cl}(\alpha, \gamma)^{39}\text{K}$ $\sigma(\text{E})$				
1693	CAL R OAP-422	875	TR	8.9+0 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{37}\text{Cl}(\alpha, p)^{40}\text{Ar}$ $\sigma(\text{E})$				
1694	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{37}\text{Cl}(\alpha, n)^{40}\text{K}$ $\sigma(\text{E})$				
1695	CAL R OAP-422	875	8.9-1 8.6+0	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{37}\text{Cl}(\alpha, \gamma)^{41}\text{K}$ $\sigma(\text{E})$				
1696	CAL R OAP-422	875	TR	8.6+0 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{36}\text{Ar}(\alpha, p)^{39}\text{K}$ $\sigma(\text{E})$				
1697	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{36}\text{Ar}(\alpha, n)^{39}\text{Ca}$ $\sigma(\text{E})$				
1698	CAL R OAP-422	875	TR	1.7+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{36}\text{Ar}(\alpha, \gamma)^{40}\text{Ca}$ $\sigma(\text{E})$				
1699	CAL R OAP-422	875	TR	1.7+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{38}\text{Ar}(\alpha, p)^{41}\text{K}$ $\sigma(\text{E})$				
1700	CAL R OAP-422	875	TR	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{38}\text{Ar}(\alpha, n)^{41}\text{Ca}$ $\sigma(\text{E})$				
1701	CAL R OAP-422	875	TR	1.2+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{38}\text{Ar}(\alpha, \gamma)^{42}\text{Ca}$ $\sigma(\text{E})$				
1702	CAL R OAP-422	875	TR	1.2+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{40}\text{Ar}(\alpha, \text{inelastic})^{40}\text{Ar}$ $\sigma(\text{E})$				
1703	HAM J PR/C 14 755	76	2.4+1	FITZ. TBL. STATISTICAL MODEL.	
	$^{40}\text{Ar}(\alpha, d)^{42}\text{K}$ $\sigma(\text{E})$				
1704	HAM J PR/C 14 755	76	2.4+1	FITZ. TBL. STATISTICAL MODEL.	

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	⁴⁰ Ar(α,p) ⁴³ K σ(E)				
1705	CAL R OAP-422	875	TR	1.1+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
1706	HAM J PR/C 14 755	76	2.4+1		FITZ. TBL. STATISTICAL MODEL.
	⁴⁰ Ar(α,n) ⁴³ Ca σ(E)				
1707	CAL R OAP-422	875	TR	9.0+0	WOOSLEY+ CURV. HAUSER-FESHBACH.
1708	HAM J PR/C 14 755	76	2.4+1		FITZ. TBL. STATISTICAL MODEL.
	⁴⁰ Ar(α,γ) ⁴⁴ Ca σ(E)				
1709	CAL R OAP-422	875	TR	9.0+0	WOOSLEY+ CURV. HAUSER-FESHBACH.
	³⁹ K(α,p) ⁴² Ca σ(E)				
1710	CAL R OAP-422	875	TR	1.1+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
	³⁹ K(α,n) ⁴² Sc σ(E)				
1711	CAL R OAP-422	875	TR	9.9+0	WOOSLEY+ CURV. HAUSER-FESHBACH.
	³⁹ K(α,γ) ⁴³ Sc σ(E)				
1712	CAL R OAP-422	875	TR	9.9+0	WOOSLEY+ CURV. HAUSER-FESHBACH.
	⁴⁰ K(α,p) ⁴³ Ca σ(E)				
1713	CAL R OAP-422	875	TR	1.1+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
	⁴⁰ K(α,n) ⁴³ Sc σ(E)				
1714	CAL R OAP-422	875	1.1+0 8.6+0	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴⁰ K(α,γ) ⁴⁴ Sc σ(E)				
1715	CAL R OAP-422	875	8.8-1 8.6+0	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴¹ K(α,p) ⁴⁴ Ca σ(E)				
1716	CAL R OAP-422	875	TR	1.1+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
	⁴¹ K(α,n) ⁴⁴ Sc σ(E)				
1717	CAL R OAP-422	875	8.8-1 6.6+0	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁴¹ K(α,γ) ⁴⁵ Sc σ(E)				
1718	CAL R OAP-422	875	TR	5.6+0	WOOSLEY+ CURV. HAUSER-FESHBACH.
	⁴⁰ Ca(α,inelastic) ⁴⁰ Ca σ(E)				
1719	HAM J PR/C 14 755	76	2.4+1		FITZ. TBL. STATISTICAL MODEL.
	⁴⁰ Ca(α,d) ⁴² Sc σ(E)				
1720	HAM J PR/C 14 755	76	2.4+1		FITZ. TBL. STATISTICAL MODEL.
	⁴⁰ Ca(α,p) ⁴³ Sc σ(E)				
1721	CAL R OAP-422	875	TR	1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
1722	HAM J PR/C 14 755	76	2.4+1		FITZ. TBL. STATISTICAL MODEL.
	⁴⁰ Ca(α,n) ⁴³ Ti σ(E)				
1723	CAL R OAP-422	875	TR	1.8+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
1724	HAM J PR/C 14 755	76	2.4+1		FITZ. TBL. STATISTICAL MODEL.
	⁴⁰ Ca(α,γ) ⁴⁴ Ti σ(E)				
1725	CAL R OAP-422	875	TR	1.8+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
	⁴² Ca(α,p) ⁴³ Sc σ(E)				
1726	CAL R OAP-422	875	TR	1.1+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
	⁴² Ca(α,n) ⁴³ Ti σ(E)				
1727	CAL R OAP-422	875	TR	1.1+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
	⁴² Ca(α,γ) ⁴⁶ Ti σ(E)				
1728	CAL R OAP-422	875	TR	1.1+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
	⁴³ Ca(α,p) ⁴⁶ Sc σ(E)				
1729	CAL R OAP-422	875	TR	1.1+1	WOOSLEY+ CURV. HAUSER-FESHBACH.
	⁴³ Ca(α,n) ⁴⁶ Ti σ(E)				
1730	CAL R OAP-422	875	TR	1.1+1	WOOSLEY+ CURV. HAUSER-FESHBACH.

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
1731	CAL R OAP-422	875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{43}\text{Ce}(\alpha, \gamma)^{47}\text{Ti}$ $\sigma(E)$
1732	HAM J PR/C 14	755	76 2.4+1	FITZ. TBL. STATISTICAL MODEL.	$^{44}\text{Ce}(\alpha, \text{inelastic})^{44}\text{Ce}$ $\sigma(E)$
1733	HAM J PR/C 14	755	76 2.4+1	FITZ. TBL. STATISTICAL MODEL.	$^{44}\text{Ce}(\alpha, d)^{46}\text{Sc}$ $\sigma(E)$
1734	CAL R OAP-422	875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{44}\text{Ce}(\alpha, d)^{47}\text{Sc}$ $\sigma(E)$
1735	HAM J PR/C 14	755	76 2.4+1	FITZ. TBL. STATISTICAL MODEL.	$^{44}\text{Ce}(\alpha, n)^{47}\text{Ti}$ $\sigma(E)$
1736	CAL R OAP-422	875	TR	1.2+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{44}\text{Ce}(\alpha, \gamma)^{48}\text{Ti}$ $\sigma(E)$
1737	HAM J PR/C 14	755	76 2.4+1	FITZ. TBL. STATISTICAL MODEL.	$^{46}\text{Ce}(\alpha, p)^{48}\text{Sc}$ $\sigma(E)$
1738	CAL R OAP-422	875	TR	1.2+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{46}\text{Ce}(\alpha, n)^{49}\text{Ti}$ $\sigma(E)$
1739	CAL R OAP-422	875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{46}\text{Ce}(\alpha, n)^{49}\text{Ti}$ $\sigma(E)$
1740	CAL R OAP-422	875	TR	1.2+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{48}\text{Ce}(\alpha, \gamma)^{50}\text{Ti}$ $\sigma(E)$
1741	CAL R OAP-422	875	TR	1.2+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{48}\text{Ce}(\alpha, p)^{51}\text{Sc}$ $\sigma(E)$
1742	CAL R OAP-422	875	TR	1.2+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{48}\text{Ce}(\alpha, n)^{51}\text{Ti}$ $\sigma(E)$
1743	CAL R OAP-422	875	TR	1.4+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{48}\text{Ce}(\alpha, \gamma)^{52}\text{Ti}$ $\sigma(E)$
1744	CAL R OAP-422	875	TR	1.4+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{48}\text{Ce}(\alpha, \gamma)^{52}\text{Ti}$ $\sigma(E)$
1745	CAL R OAP-422	875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{48}\text{Sc}(\alpha, p)^{48}\text{Ti}$ $\sigma(E)$
1746	CAL R OAP-422	875	TR	1.1+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{48}\text{Sc}(\alpha, n)^{48}\text{V}$ $\sigma(E)$
1747	CAL R OAP-422	875	TR	8.7+0 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{48}\text{Sc}(\alpha, \gamma)^{49}\text{V}$ $\sigma(E)$
1748	CAL R OAP-422	875	TR	8.7+0 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{48}\text{Ti}(\alpha, p)^{49}\text{V}$ $\sigma(E)$
1749	CAL R OAP-422	875	TR	1.2+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{48}\text{Ti}(\alpha, n)^{49}\text{Cr}$ $\sigma(E)$
1750	CAL R OAP-422	875	TR	1.5+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{48}\text{Ti}(\alpha, \gamma)^{50}\text{Cr}$ $\sigma(E)$
1751	CAL R OAP-422	875	TR	1.5+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{48}\text{Ti}(\alpha, p)^{50}\text{V}$ $\sigma(E)$
1752	CAL R OAP-422	875	TR	1.2+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{47}\text{Ti}(\alpha, n)^{50}\text{Cr}$ $\sigma(E)$
1753	CAL R OAP-422	875	TR	1.4+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{47}\text{Ti}(\alpha, \gamma)^{51}\text{Cr}$ $\sigma(E)$
1754	CAL R OAP-422	875	TR	1.4+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{48}\text{Ti}(\alpha, p)^{51}\text{V}$ $\sigma(E)$
1755	CAL R OAP-422	875	TR	1.2+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	$^{48}\text{Ti}(\alpha, n)^{51}\text{Cr}$ $\sigma(E)$
1755	CAL R OAP-422	875	TR	1.4+1 WOOSLEY+ CURV. HAUSER-FESHBACH.	

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	⁴⁸ Ti(α,γ) ⁵² Cr σ(E)				
1756	CAL R OAP-422	875	TR	1.4+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	⁴⁹ Ti(α,p) ⁵² V σ(E)				
1757	CAL R OAP-422	875	TR	1.2+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	⁴⁹ Ti(α,n) ⁵² Cr σ(E)				
1758	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	⁴⁹ Ti(α,γ) ⁵³ Cr σ(E)				
1759	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁰ Ti(α,p) ⁵³ V σ(E)				
1760	CAL R OAP-422	875	TR	1.2+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁰ Ti(α,n) ⁵³ Cr σ(E)				
1761	CAL R OAP-422	875	TR	1.4+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁰ Ti(α,γ) ⁵⁴ Cr σ(E)				
1762	CAL R OAP-422	875	TR	1.4+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁰ V(α,p) ⁵³ Cr σ(E)				
1763	CAL R OAP-422	875	TR	1.2+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁰ V(α,n) ⁵³ Mn σ(E)				
1764	CAL R OAP-422	875	4.2+0	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁰ V(α,γ) ⁵⁴ Mn σ(E)				
1765	CAL R OAP-422	875	1.3+0	1.1+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	⁵¹ V(α,3n2α) ⁴⁴ Sc σ(E)				
1766	ROC J NP/A 131 513	69	6.9+1	1.2+2 BOWMANN+ CURV. ACTIVATION. T _{1/2} =2.440	
	4 EXFORB0009.009	76	6.9+1	1.2+2 . 49 ENTRIES.	
	⁵¹ V(α,n2α) ⁴⁶ Sc σ(E)				
1767	ROC J NP/A 131 513	69	4.6+1	1.2+2 BOWMANN+ CURV. ACTIVATION	
	4 EXFORB0009.008	76	4.6+1	1.2+2 . 45 ENTRIES.	
	⁵¹ V(α,2α) ⁴⁷ Sc σ(E)				
1768	ROC J NP/A 131 513	69	3.2+1	1.2+2 BOWMANN+ CURV. ACTIVATION.	
	4 EXFORB0009.007	76	3.2+1	1.2+2 . 72 ENTRIES.	
	⁵¹ V(α,n2pα) ⁴⁸ Sc σ(E)				
1769	ROC J NP/A 131 513	69	6.1+1	1.2+2 BOWMANN+ CURV. ACTIVATION	
	4 EXFORB0009.006	76	6.1+1	1.2+2 . 63 ENTRIES.	
	⁵¹ V(α,3nα) ⁴⁸ V σ(E)				
1770	ROC J NP/A 131 513	69	5.2+1	1.2+2 BOWMANN+ CURV. ACTIVATION	
	4 EXFORB0009.005	76	5.2+1	1.2+2 . 81 ENTRIES.	
	⁵¹ V(α,3np) ⁵¹ Cr σ(E)				
1771	ROC J NP/A 131 513	69	2.9+1	1.2+2 BOWMANN+ CURV. ACTIVATION	
	4 EXFORB0009.004	76	2.9+1	1.2+2 . 79 ENTRIES.	
	⁵¹ V(α,p) ⁵⁴ Cr σ(E)				
1772	CAL R OAP-422	875	TR	1.2+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	⁵¹ V(α,3n) ⁵² Mn σ(E)				
1773	ROC J NP/A 131 513	69	2.3+1	1.2+2 BOWMANN+ CURV. ACTIVATION	(M)
	4 EXFORB0009.003	76	2.3+1	1.2+2 . 92 ENTRIES.	(M)
	⁵¹ V(α,n) ⁵⁴ Mn σ(E)				
1774	CAL R OAP-422	875	TR	1.0+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
1775	ROC J NP/A 131 513	69	6.6+0	8.5+1 BOWMANN+ CURV. ACTIVATION	
	4 EXFORB0009.002	76	6.6+0	8.5+1 . 45 ENTRIES.	
	⁵¹ V(α,γ) ⁵⁵ Mn σ(E)				
1776	CAL R OAP-422	875	TR	1.0+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁰ Cr(α,p) ⁵³ Mn σ(E)				
1777	CAL R OAP-422	875	TR	1.2+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	⁵⁸ Cr(α,n) ⁵⁵ Fe σ(E)				
1778 CAL R OAP-422		875 TR	1.6+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁸ Cr(α,γ) ⁵⁴ Fe σ(E)				
1779 CAL F OAP-422		875 TR	1.6+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵² Cr(α,p) ⁵⁵ Mn σ(E)				
1780 CAL R OAP-422		875 TR	1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵² Cr(α,n) ⁵⁵ Fe σ(E)				
1781 CAL R OAP-422		875 TR	1.5+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵² Cr(α,γ) ⁵⁴ Fe σ(E)				
1782 CAL R OAP-422		875 TR	1.5+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵³ Cr(α,p) ⁵⁴ Mn σ(E)				
1783 CAL R OAP-422		875 TR	1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵³ Cr(α,n) ⁵⁶ Fe σ(E)				
1784 CAL R OAP-422		875 TR	1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵³ Cr(α,γ) ⁵⁷ Fe σ(E)				
1785 CAL R OAP-422		875 TR	1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁴ Cr(α,p) ⁵⁷ Mn σ(E)				
1786 CAL R OAP-422		875 TR	1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁴ Cr(α,n) ⁵⁷ Fe σ(E)				
1787 CAL R OAP-422		875 TR	1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁴ Cr(α,γ) ⁵⁸ Fe σ(E)				
1788 CAL R OAP-422		875 TR	1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁵ Mn(α,p) ⁵⁸ Fe σ(E)				
1789 CAL R OAP-422		875 TR	1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁵ Mn(α,n) ⁵⁸ Co σ(E)				
1790 CAL R OAP-422		875 TR	9.7+0	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁵ Mn(α,γ) ⁵⁹ Co σ(E)				
1791 CAL R OAP-422		875	1.1+0 9.7+0	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁴ Fe(α,p) ⁵⁷ Co σ(E)				
1792 CAL R OAP-422		875 TR	1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁴ Fe(α,n) ⁵⁷ Ni σ(E)				
1793 CAL R OAP-422		875 TR	1.6+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁴ Fe(α,γ) ⁵⁸ Ni σ(E)				
1794 CAL R OAP-422		875 TR	1.6+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁶ Fe(α,p) ⁵⁹ Co σ(E)				
1795 CAL R OAP-422		875 TR	1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁶ Fe(α,n) ⁵⁹ Ni σ(E)				
1796 CAL R OAP-422		875 TR	1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁶ Fe(α,γ) ⁶⁰ Ni σ(E)				
1797 CAL R OAP-422		875 TR	1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁷ Fe(α,p) ⁶⁰ Co σ(E)				
1798 CAL R OAP-422		875 TR	1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁷ Fe(α,n) ⁶⁰ Ni σ(E)				
1799 CAL R OAP-422		875 TR	1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁷ Fe(α,γ) ⁶¹ Ni σ(E)				
1800 CAL R OAP-422		875 TR	1.2+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁵⁸ Fe(α,p) ⁶¹ Co σ(E)				
1801 CAL R OAP-422		875 TR	1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{58}\text{Fe}(\alpha, n)^{61}\text{Ni}$			$\sigma(E)$	
1802	CAL R OAP-422	875	TR	1.2+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{58}\text{Fe}(\alpha, \gamma)^{62}\text{Ni}$			$\sigma(E)$	
1803	CAL R OAP-422	875	TR	1.2+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{59}\text{Co}(\alpha, p)^{62}\text{Ni}$			$\sigma(E)$	
1804	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{59}\text{Co}(\alpha, n)^{62}\text{Cu}$			$\sigma(E)$	
1805	CAL R OAP-422	875	TR	9.4+0 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{59}\text{Co}(\alpha, \gamma)^{63}\text{Cu}$			$\sigma(E)$	
1806	CAL R OAP-422	875	TR	9.4+0 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{58}\text{Ni}(\alpha, p)^{61}\text{Cu}$			$\sigma(E)$	
1807	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{58}\text{Ni}(\alpha, n)^{61}\text{Zn}$			$\sigma(E)$	
1808	CAL R OAP-422	875	TR	1.4+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{58}\text{Ni}(\alpha, \gamma)^{62}\text{Zn}$			$\sigma(E)$	
1809	CAL R OAP-422	875	TR	1.4+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{60}\text{Ni}(\alpha, p)^{63}\text{Cu}$			$\sigma(E)$	
1810	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{60}\text{Ni}(\alpha, n)^{63}\text{Zn}$			$\sigma(E)$	
1811	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{60}\text{Ni}(\alpha, \gamma)^{64}\text{Zn}$			$\sigma(E)$	
1812	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{61}\text{Ni}(\alpha, p)^{64}\text{Cu}$			$\sigma(E)$	
1813	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{61}\text{Ni}(\alpha, n)^{64}\text{Zn}$			$\sigma(E)$	
1814	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{61}\text{Ni}(\alpha, \gamma)^{65}\text{Zn}$			$\sigma(E)$	
1815	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{62}\text{Ni}(\alpha, p)^{65}\text{Cu}$			$\sigma(E)$	
1816	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{62}\text{Ni}(\alpha, n)^{65}\text{Zn}$			$\sigma(E)$	
1817	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{62}\text{Ni}(\alpha, \gamma)^{66}\text{Zn}$			$\sigma(E)$	
1818	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{64}\text{Ni}(\alpha, p)^{67}\text{Cu}$			$\sigma(E)$	
1819	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{64}\text{Ni}(\alpha, n)^{67}\text{Zn}$			$\sigma(E)$	
1820	CAL R OAP-422	875	TR	1.2+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{64}\text{Ni}(\alpha, \gamma)^{68}\text{Zn}$			$\sigma(E)$	
1821	CAL R OAP-422	875	TR	1.2+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{63}\text{Cu}(\alpha, p)^{66}\text{Zn}$			$\sigma(E)$	
1822	CAL R OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{63}\text{Cu}(\alpha, n)^{66}\text{Ga}$			$\sigma(E)$	
1823	CAL R OAP-422	1.5 1.9+0	9.4+0	WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{63}\text{Cu}(\alpha, \gamma)^{67}\text{Ga}$			$\sigma(E)$	
1824	CAL R OAP-422	875	TR	9.4+0 WOODSLEY+ CURV. HAUSER-FESHBACH.	
	$^{65}\text{Cu}(\alpha, p)^{68}\text{Zn}$			$\sigma(E)$	
1825	CAL R OAP-422	875	TR	1.4+1 WOODSLEY+ CURV. HAUSER-FESHBACH.	

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	⁶³ Cu(α,n) ⁶⁶ Ga σ(E)				
1826	CAL R OAP-422	875	1.4+0 8.5+0	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁶³ Cu(α,γ) ⁶⁹ Ga σ(E)				
1827	CAL R OAP-422	875	TR 8.5+0	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁶⁴ Zn(α,p) ⁶⁷ Ga σ(E)				
1828	CAL R OAP-422	875	TR 1.4+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁶⁴ Zn(α,n) ⁶⁷ Ga σ(E)				
1829	CAL R OAP-422	875	TR 1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁶⁴ Zn(α,γ) ⁶⁸ Ga σ(E)				
1830	CAL R OAP-422	875	TR 1.3+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁶⁶ Zn(α,p) ⁶⁹ Ga σ(E)				
1831	CAL R OAP-422	875	TR 1.4+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁶⁶ Zn(α,n) ⁶⁹ Ga σ(E)				
1832	CAL R OAP-422	875	3.4+0 1.4+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁶⁶ Zn(α,γ) ⁷⁰ Ga σ(E)				
1833	CAL R OAP-422	875	TR 1.4+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁶⁷ Zn(α,p) ⁷⁰ Ga σ(E)				
1834	CAL R OAP-422	875	TR 1.4+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁶⁷ Zn(α,n) ⁷⁰ Ga σ(E)				
1835	CAL R OAP-422	875	3.8+0 1.1+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁶⁷ Zn(α,γ) ⁷¹ Ga σ(E)				
1836	CAL R OAP-422	875	1.9+0 1.1+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁶⁸ Zn(α,p) ⁷¹ Ga σ(E)				
1837	CAL R OAP-422	875	TR 1.4+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁶⁸ Zn(α,n) ⁷¹ Ga σ(E)				
1838	CAL R OAP-422	875	2.3+0 1.1+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁶⁸ Zn(α,γ) ⁷² Ga σ(E)				
1839	CAL R OAP-422	875	TR 1.1+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁷⁰ Zn(α,p) ⁷³ Ga σ(E)				
1840	CAL R OAP-422	875	TR 1.4+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁷⁰ Zn(α,n) ⁷³ Ga σ(E)				
1841	CAL R OAP-422	875	3.6+0 1.1+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	⁷⁰ Zn(α,γ) ⁷⁴ Ga σ(E)				
1842	CAL R OAP-422	875	1.6+0 1.1+1	WOOSLEY+ CURV. HAUSER-FESHBACH.	
	¹⁹⁷ Au(α,n) σ(E)				
1843	BON J NP/A 168 129	71	1.9+1 1.0+2	KURZ+ CURV. SUM OF SIGMA FOR X=1-8	EMH
	¹⁹⁷ Au(α,nonelastic) σ(E)				
1844	FSU J PL/B 63 413	76	2.4+1	WDJCIECHOWSKI+ (528+-40)MB	
	¹⁹⁷ Au(α,3np) ¹⁹⁷ Hg σ(E)				
1845	BON J NP/A 168 129	71	3.9+1 8.6+1	KURZ+TBL.CURV.STCK FOIL/ACT. T1/2=23.8H	
	T JASPER	69	3.9+1 8.6+1	PARTIALLY SUPERSEDED.	
	4 EXFORB0002.005	76	3.9+1 8.6+1	8 ENTRIES.	
	¹⁹⁷ Au(α,8n) ¹⁹³ Tl σ(E)				
1846	BON J NP/A 168 129	71	8.8+1 1.0+2	KURZ+ TBL. CURV. STACKED FOIL/ACTIV.	(M)
	T JASPER	69	8.8+1 1.0+2	PARTIALLY SUPERSEDED.	(M)
	4 EXFORB0002.010	76	8.8+1 1.0+2	6 ENTRIES	(M)
	¹⁹⁷ Au(α,7n) ¹⁹⁴ Tl σ(E)				
1847	BON J NP/A 168 129	71	7.4+1 1.0+2	KURZ+ TBL. CURV. STACKED FOIL/ACTIV.	
	T JASPER	69	7.4+1 1.0+2	PARTIALLY SUPERSEDED.	
	4 EXFORB0002.009	76	7.4+1 1.0+2	10 ENTRIES.	

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
¹⁹⁷Au(α,6n)¹⁹³Tl σ(E)					
1848 BON J NP/A 168	129	71	6.0+1 8.6+1	KURZ+ TBL. CURV. STACKED FOIL/ACTIV.	(M)
T JASPER		69	6.0+1 8.6+1	PARTIALLY SUPERSEDED.	(M)
4 EXFORB0002.008		76	6.0+1 8.6+1	10 ENTRIES.	(M)
¹⁹⁷Au(α,5n)¹⁹⁶Tl σ(E)					
1849 BON J NP/A 168	129	71	4.6+1 8.6+1	KURZ+ TBL. CURV. DEDUCED.	M+
T JASPER		69	4.6+1 8.6+1	PARTIALLY SUPERSEDED.	M+
4 EXFORB0002.007		76	4.6+1 8.6+1	13 ENTRIES.	M+
¹⁹⁷Au(α,5n)^{196m}Tl σ(E)					
1850 BON J NP/A 168	129	71	4.6+1 8.6+1	KURZ+TBL.CURV. STCK FOIL/ACT. T1/2=1.8H	
T JASPER		69	4.6+1 8.6+1	PARTIALLY SUPERSEDED.	
4 EXFORB0002.007		76	4.6+1 8.6+1	13 ENTRIES.	
¹⁹⁷Au(α,5n)^{198m}Tl σ(E)					
1851 BON J NP/A 168	129	71	4.6+1 8.6+1	KURZ+TBL.CURV. STCK FOIL/ACT. T1/2=1.4H	
T JASPER		69	4.6+1 8.6+1	PARTIALLY SUPERSEDED.	
4 EXFORB0002.007		76	4.6+1 8.6+1	13 ENTRIES.	
¹⁹⁷Au(α,4n)¹⁹⁷Tl σ(E)					
1852 BON J NP/A 168	129	71	4.0+1 7.0+1	KURZ+ TBL. CURV. STACKED FOIL/ACTIV.	
T JASPER		69	4.0+1 7.0+1	PARTIALLY SUPERSEDED.	
4 EXFORB0002.006		76	4.0+1 7.0+1	13 ENTRIES.	
¹⁹⁷Au(α,3n)¹⁹⁸Tl σ(E)					
1853 BON J NP/A 168	129	71	3.0+1 6.2+1	KURZ+TBL. CURV. STCK FOIL/ACT. T1/2=5.3H	M+
J NP/A 168	129	71	3.0+1 6.2+1	KURZ+ TBL. CURV. DEDUCED.	M+
T JASPER		69	3.0+1 6.2+1	PARTIALLY SUPERSEDED.	M+
T JASPER		69	3.0+1 6.2+1	PARTIALLY SUPERSEDED.	M+
4 EXFORB0002.004		76	3.0+1 6.2+1	8 ENTRIES.	M+
4 EXFORB0002.004		76	3.0+1 6.2+1	8 ENTRIES.	M+
¹⁹⁷Au(α,3n)^{198m}Tl σ(E)					
1854 BON J NP/A 168	129	71	3.0+1 6.2+1	KURZ+TBL.CURV. STCK FOIL/ACT. T1/2=1.9H	
T JASPER		69	3.0+1 6.2+1	PARTIALLY SUPERSEDED.	
4 EXFORB0002.004		76	3.0+1 6.2+1	8 ENTRIES.	
¹⁹⁷Au(α,2n)¹⁹⁹Tl σ(E)					
1855 BON J NP/A 168	129	71	1.9+1 5.2+1	KURZ+ TBL. CURV. STACKED FOIL/ACTIV.	
T JASPER		69	1.9+1 5.2+1	PARTIALLY SUPERSEDED.	
4 EXFORB0002.003		76	1.9+1 5.2+1	15 ENTRIES.	
¹⁹⁷Au(α,n)²⁰⁰Tl σ(E)					
1856 BON J NP/A 168	129	71	1.6+1 4.3+1	KURZ+ TBL. CURV. STACKED FOIL/ACTIV.	
T JASPER		69	1.6+1 4.3+1	PARTIALLY SUPERSEDED.	
4 EXFORB0002.002		76	1.6+1 4.3+1	10 ENTRIES.	
²⁰⁶Pb(α,nonelastic) σ(E)					
1857 FSU J PL/B 63	413	76	2.4+1	WOJCIECHOWSKI+ (415+-60)MB	
²⁰⁶Pb(α,absorption) σ(E)					
1858 ROC J PRL 37	481	76	1.7+1 2.4+1	DEVRIES+ CURV.	
J PRL 37	481	76	1.7+1 2.4+1	DEVRIES+ CURV.	
²⁰⁸Pb(α,nonelastic) σ(E)					
1859 FSU J PL/B 63	413	76	2.4+1	WOJCIECHOWSKI+ (491+-40)MB	
²⁰⁸Pb(α,elastic)²⁰⁸Pb σ(E)					
1860 SUR J NP/A 266	61	76	2.2+1	JACKSON+ TBL. FOLDING MODEL.	
²⁰⁹Bi(α,absorption) σ(E)					
1861 ROC J PRL 37	481	76	1.7+1 2.4+1	DEVRIES+ CURV.	
²⁰⁹Bi(α,nonelastic) σ(E)					
1862 FSU J PL/B 63	413	76	2.4-1	WOJCIECHOWSKI+ (381+-90)MB	
²³⁸Pu(α,2n)²⁴⁰Cm σ(E)					
1863 NBI J NP/A 213	397	73	2.0+1 2.9+1	METAG+ TBL. CURV. REL. TO (A,F)	FCT
4 EXFORB0007.005		76	2.0+1 2.9+1	DED. BY COMPILER FRM NP/A 213,397(75)	FCT
4 EXFORB0007.003		76	2.0+1 2.9+1	23 ENTRIES.	FCT

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
²³⁸Pu(α,n)²⁴¹Cm σ(E)					
1864 NBI	J NP/A 213	397	73	2.0+1 2.4+1 METAG+ TBL. CURV. REL. TO (A,F)	FCT
	4 EXFORB0007.004	76	2.0+1 2.4+1	DED. BY COMPILER FRM NP/A 213,397(75)	FCT
	4 EXFORB0007.004	76	2.0+1 2.4+1	12 ENTRIES.	
²³⁸Pu(α,fission)Fission fragments σ(E)					
1865 NBI	J NP/A 213	397	73	2.0+1 2.9+1 METAG+ TBL. CURV. ASSUMED ISOTR. DIST.	PR
	4 EXFORB0007.005	76	2.0+1 2.9+1	23 ENTRIES.	PR
Systematic-(α,γ) σ(E)					
1866 CAL R	OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. Z=10-30. A=22-70. HAUSER	
Systematics(α,n) σ(E)					
1867 CAL R	OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. Z=10-30. A=22-70. HAUSER	
Systematics(α,p) σ(E)					
1868 CAL R	OAP-422	875	TR	1.3+1 WOODSLEY+ CURV. Z=10-30. A=22-70. HAUSER	
¹²C(¹⁰B,fusion+x) σ(E)					
1869 UI A	BAP 21	588	76	NDG	ARNOLD+ NDG.
¹²C(¹¹B,fusion+x) σ(E)					
1870 UI A	BAP 21	588	76	NDG	ARNOLD+ NDG.
¹²C(¹²C,total) σ(E)					
1871 IPN J	PR/C 14	332	76	2.5+0 9.0+0 CASTRO+. CURV. QUASIMOLECULAR MODEL.	FCT
1872 UI J	NP/A 274	295	076	5.0+0 1.6+1 ARNOULD+ CURV. S-FACTOR. LIQUID-DROP.	FCT
¹²C(¹²C,fusion+x) σ(E)					
1873 UI A	BAP 21	588	76	NDG	ARNOLD+ NDG.
¹⁴²Nd(¹²C,⁵np)¹⁴⁸Tb σ(E)					
1874 ORL P	ORNL-5025	54	75	8.7+1 1.1+2 TOTH+ CURV.E(G)=882.4.	REL
¹⁴²Nd(¹²C,⁴np)¹⁴⁸Tb σ(E)					
1875 ORL P	ORNL-5025	54	75	8.7+1 1.1+2 TOTH+ CURV.E(G)=796.0. T1/2=4.17M	REL
¹⁴²Nd(¹²C,⁶n)¹⁴⁸Dy σ(E)					
1876 ORL P	ORNL-5025	54	75	8.7+1 1.1+2 TOTH+ CURV.E(G)=620.2.	REL
¹²C(¹⁴N,fusion) σ(E)					
1877 SAC P	CEA-N-1861	18	975	2.5+1 9.0+1 CONJEAUD+ CURV. HAUSER-FESHBACH.	
¹²C(¹⁴N,fusion+x) σ(E)					
1878 ORL A	BAP 21	657	76	NDG	CAMPO+ NDG. HAUSER-FESHBACH/MONTE-CARLO
³⁰Si(¹⁴N,absorption) σ(E)					
1879 FSU J	PR/C 13	661	76	4.0+1 6.2+1 ZELLER+ CURV. PARABOLIC BARRIER APP.	
³⁰Si(¹⁴N,n)⁴³Sc σ(E)					
1880 FSU J	PR/C 13	661	76	4.0+1 6.2+1 ZELLER+ CURV. DEDUCED FROM TTY.	
³⁰Si(¹⁴N,n)⁴³Sc thick target yield					
1881 FSU J	PR/C 13	661	76	4.0+1 6.2+1 ZELLER+ CURV. 5 POINTS.	
³⁰Si(¹⁴N,fusion)⁴⁴Sc thick target yield					
1882 FSU J	PR/C 13	661	76	4.0+1 6.2+1 ZELLER+ CURV. 5 POINTS.	
³⁰Si(¹⁴N,x)⁴⁴Sc σ(E)					
1883 FSU J	PR/C 13	661	76	4.0+1 6.2+1 ZELLER+ CURV. DEDUCED FROM TTY.	
¹⁴¹Pr(¹⁴N,⁵n)¹⁵⁰Dy σ(E)					
1884 ORL P	ORNL-5025	48	75	5.8+1 9.8+1 SCHMIDT-OTT+ CURV.	REL
¹⁴¹Pr(¹⁴N,⁴n)¹⁵¹Dy σ(E)					
1885 ORL P	ORNL-5025	48	75	5.8+1 9.8+1 SCHMIDT-OTT+ CURV.	REL
¹⁴²Nd(¹⁴N,⁵n)¹⁵¹Ho σ(E)					
1886 ORL P	ORNL-5025	48	75	5.8+1 9.8+1 SCHMIDT-OTT+ CURV.	GND REL

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	¹⁴² Nd(¹⁴ N,5n) ¹⁵¹ Ho σ(E)				
1887 ORL P ORNL-5025	48	75	5.8+1 9.8+1	SCHMIDT-OTT+ CURV.	PAR REL
	¹⁴² Nd(¹⁴ N,4n) ¹⁵² Ho σ(E)				
1888 ORL P ORNL-5025	48	75	5.8+1 9.8+1	SCHMIDT-OTT+ CURV.	END REL
	¹⁴² Nd(¹⁴ N,4n) ¹⁵² Ho σ(E)				
1889 ORL P ORNL-5025	48	75	5.8+1 9.8+1	SCHMIDT-OTT+ CURV.	PAR REL
	C(¹⁶ O,fusion) σ(E)				
1890 UEN J PL/B	64 408	76	8.5+0 1.2+1	FROHLICH+ CURV.	
	¹² C(¹⁶ O,absorption) σ(E)				
1891 UEN J PL/B	64 408	76	1.8+1 6.5+1	FROHLICH+ CURV. OPTICAL MODEL.	
	¹² C(¹⁶ O,fusion) σ(E)				
1892 UEN J PL/B	64 408	76	1.5+1 6.5+1	FROHLICH+ CURV. GLAS-MODEL MODEL.	
	¹⁶ O(¹⁶ O,total) σ(E)				
1893 UI J NP/A	274 295	076	1.4+1 2.4+1	ARNOULD+ CURV. S-FCT. LIQUID-DROP MODEL	FCT
	¹⁶ O(¹⁶ O,fusion+x) σ(E)				
1894 UI A BAP	21 588	76	NDG	ARNOULD+ NDG.	
	⁵⁸ Ni(¹⁶ O,xn) σ(E)				
1895 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	J PR/C 14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. CALC. N/REACTION.	EMM FCT
	⁵⁸ Ni(¹⁶ O,absorption) σ(E)				
1896 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. FROM N YLD. + N/REACTION	
	⁶⁰ Ni(¹⁶ O,xn) σ(E)				
1897 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. CALC. N/REACTION.	EMM FCT
	J PR/C 14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶¹ Ni(¹⁶ O,xn) σ(E)				
1898 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. CALC. N/REACTION.	EMM FCT
	J PR/C 14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶² Ni(¹⁶ O,xn) σ(E)				
1899 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. CALC. N/REACTION.	EMM FCT
	J PR/C 14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶² Ni(¹⁶ O,absorption) σ(E)				
1900 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. FROM N YLD. + N/REACTION	
	⁶⁴ Ni(¹⁶ O,xn) σ(E)				
1901 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. CALC. N/REACTION.	EMM FCT
	J PR/C 14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶³ Cu(¹⁶ O,xn) σ(E)				
1902 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶³ Cu(¹⁶ O,nonelastic) σ(E)				
1903 FSU J PL/B	63 413	76	4.0+1 4.6+1	WOJCIECHOWSKI+ CURV. TBL. MODEL-IND.	
	⁶³ Cu(¹⁶ O,xn) σ(E)				
1904 ORL J PR/C	14 2126	76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	⁶³ Cu(¹⁶ O,nonelastic) σ(E)				
1905 FSU J PL/B	63 413	76	4.1+1	WOJCIECHOWSKI+ (214+-40)MB	
	J PL/B 63 413	76	4.6+1	WOJCIECHOWSKI+ (535+-27)MB	
	⁶³ Cu(¹⁶ O,x) σ(E)				
1906 ORL P ORNL-5025	98	75	3.9+1 5.1+1	WELLS+ CURV. SUM OF SIGMA FROM ACTIV.	
	⁶³ Cu(¹⁶ O, ¹⁵ N) ⁶⁶ Zn σ(E)				
1907 ORL P ORNL-5025	98	75	3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	⁶³ Cu(¹⁶ O, ¹² C) ⁶⁹ Ga σ(E)				
1908 ORL P ORNL-5025	98	75	3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	REL

THEORETICAL REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{65}\text{Cu}(^{16}\text{O},x)^{75}\text{As}$			$\sigma(\text{E})$	
1909 ORL P ORNL-5025		98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	REL
	$^{65}\text{Cu}(^{16}\text{O},x)^{75}\text{Se}$			$\sigma(\text{E})$	
1910 ORL P ORNL-5025		98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	REL
	$^{65}\text{Cu}(^{16}\text{O},x)^{76}\text{Se}$			$\sigma(\text{E})$	
1911 ORL P ORNL-5025		98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{65}\text{Cu}(^{16}\text{O},x)^{78}\text{Se}$			$\sigma(\text{E})$	
1912 ORL P ORNL-5025		98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{65}\text{Cu}(^{16}\text{O},3p)^{75}\text{Br}$			$\sigma(\text{E})$	
1913 ORL P ORNL-5025		98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{65}\text{Cu}(^{16}\text{O},x)^{76}\text{Br}$			$\sigma(\text{E})$	
1914 ORL P ORNL-5025		98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{65}\text{Cu}(^{16}\text{O},x)^{77}\text{Br}$			$\sigma(\text{E})$	
1915 ORL P ORNL-5025		98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{65}\text{Cu}(^{16}\text{O},x)^{78}\text{Br}$			$\sigma(\text{E})$	
1916 ORL P ORNL-5025		98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{65}\text{Cu}(^{16}\text{O},x)^{79}\text{Br}$			$\sigma(\text{E})$	
1917 ORL P ORNL-5025		98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	REL
	$^{65}\text{Cu}(^{16}\text{O},2p)^{78}\text{Kr}$			$\sigma(\text{E})$	
1918 ORL P ORNL-5025		98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{65}\text{Cu}(^{16}\text{O},x)^{79}\text{Kr}$			$\sigma(\text{E})$	
1919 ORL P ORNL-5025		98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{65}\text{Cu}(^{16}\text{O},3n)^{78}\text{Rb}$			$\sigma(\text{E})$	
1920 ORL P ORNL-5025		98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{65}\text{Cu}(^{16}\text{O},2n)^{79}\text{Rb}$			$\sigma(\text{E})$	
1921 ORL P ORNL-5025		98	75 3.9+1 5.1+1	WELLS+ CURV. ACTIV. ALSO REL. DECAY	
	$^{66}\text{Zn}(^{16}\text{O},xn)$			$\sigma(\text{E})$	
1922 ORL J PR/C 14 2126		76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	$^{66}\text{Zn}(^{16}\text{O},xn)$			$\sigma(\text{E})$	
1923 ORL J PR/C 14 2126		76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	$^{67}\text{Zn}(^{16}\text{O},xn)$			$\sigma(\text{E})$	
1924 ORL J PR/C 14 2126		76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	$^{68}\text{Zn}(^{16}\text{O},xn)$			$\sigma(\text{E})$	
1925 ORL J PR/C 14 2126		76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	$^{70}\text{Zn}(^{16}\text{O},xn)$			$\sigma(\text{E})$	
1926 ORL J PR/C 14 2126		76	3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
	$^{142}\text{Nd}(^{16}\text{O},5n)^{153}\text{Er}$			$\sigma(\text{E})$	
1927 PAR J JPRL 36 289		075	8.6+1 1.2+2	CASOT+ CURV.	ECT
	$^{181}\text{Ta}(^{16}\text{O},2n)$			$\sigma(\text{E})$	
1928 PAR T CLAUDE ROULET		475	9.1+1 1.4+2	ROULET+ CURV. CALCULATED.	
	$^{181}\text{Ta}(^{16}\text{O},3n)$			$\sigma(\text{E})$	
1929 PAR T CLAUDE ROULET		475	8.8+1 1.4+2	ROULET+ CURV. CALCULATED.	
	$^{181}\text{Ta}(^{16}\text{O},4n)$			$\sigma(\text{E})$	
1930 PAR T CLAUDE ROULET		475	9.0+1 1.6+2	ROULET+ CURV. CALCULATED.	
	$^{181}\text{Ta}(^{16}\text{O},5n)$			$\sigma(\text{E})$	
1931 PAR T CLAUDE ROULET		475	9.3+1 1.8+2	ROULET+ CURV. CALCULATED.	
	$^{181}\text{Ta}(^{16}\text{O},\text{total})$			$\sigma(\text{E})$	
1932 PAR T CLAUDE ROULET		475	8.8+1 1.2+2	ROULET+ CURV. CALCULATED.	

THEORETICAL REFERENCES(cont)

No.	Lab	Reference	Emin (MeV)	Emax (MeV)	Author, Comments	Branch, Particle and Modifier
		$^{58}\text{Ni}(^{18}\text{O},\text{xn})$			$\sigma(\text{E})$	
1933	ORL J	PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
		$^{60}\text{Ni}(^{18}\text{O},\text{xn})$			$\sigma(\text{E})$	
1934	ORL J	PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
		$^{61}\text{Ni}(^{18}\text{O},\text{xn})$			$\sigma(\text{E})$	
1935	ORL J	PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
		$^{62}\text{Ni}(^{18}\text{O},\text{xn})$			$\sigma(\text{E})$	
1936	ORL J	PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
		$^{64}\text{Ni}(^{18}\text{O},\text{xn})$			$\sigma(\text{E})$	
1937	ORL J	PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
		$^{63}\text{Cu}(^{18}\text{O},\text{xn})$			$\sigma(\text{E})$	
1938	ORL J	PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
		$^{63}\text{Cu}(^{18}\text{O},\text{absorption})$			$\sigma(\text{E})$	
1939	ORL J	PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. FROM N YLD. + N/REACTIO	
		$^{65}\text{Cu}(^{18}\text{O},\text{xn})$			$\sigma(\text{E})$	
1940	ORL J	PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
		$^{64}\text{Zn}(^{18}\text{O},\text{xn})$			$\sigma(\text{E})$	
1941	ORL J	PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
		$^{66}\text{Zn}(^{18}\text{O},\text{xn})$			$\sigma(\text{E})$	
1942	ORL J	PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
		$^{67}\text{Zn}(^{18}\text{O},\text{xn})$			$\sigma(\text{E})$	
1943	ORL J	PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
		$^{68}\text{Zn}(^{18}\text{O},\text{xn})$			$\sigma(\text{E})$	
1944	ORL J	PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
		$^{70}\text{Zn}(^{18}\text{O},\text{xn})$			$\sigma(\text{E})$	
1945	ORL J	PR/C 14	2126	76 3.6+1 5.5+1	ROBINSON+ CURV. GRAPHITE SPHERE.	EMM
		$^{58}\text{Ni}(^{35}\text{Cl},\text{fission})$			Fission fragments	
1946	ROC A	BAP 21	974	76 NDG	HIGNEREY+ NDG. ROTATING LIQUID DROP	BIN
		$^{112}\text{Sn}(^{35}\text{Cl},\text{fission})$			Fission fragments	
1947	ROC A	BAP 21	974	76 NDG	HIGNEREY+ NDG. ROTATING LIQUID DROP	BIN
		$^{116}\text{Sn}(^{35}\text{Cl},\text{fission})$			Fission fragments	
1948	ROC A	BAP 21	974	76 NDG	HIGNEREY+ NDG. ROTATING LIQUID DROP	BIN
		$^{120}\text{Sn}(^{35}\text{Cl},\text{fission})$			Fission fragments	
1949	ROC A	BAP 21	974	76 NDG	HIGNEREY+ NDG. ROTATING LIQUID DROP	BIN
		$^{124}\text{Sn}(^{35}\text{Cl},\text{fission})$			Fission fragments	
1950	ROC A	BAP 21	974	76 NDG	HIGNEREY+ NDG. ROTATING LIQUID DROP	BIN
		$^{118}\text{Sn}(^{40}\text{Ar},^{133}\text{Er})$			$\sigma(\text{E})$	
1951	PAR J	JPL 36	289 D75	1.6+2 2.4+2	CABOT+ CURV.	FCT
		$^{74}\text{Ge}(^{84}\text{Kr},^{133}\text{Er})$			$\sigma(\text{E})$	
1952	PAR J	JPL 36	289 D75	3.2+2 4.5+2	CABOT+ CURV.	FCT

ISOTOPE PRODUCTION--THEORETICAL

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
2H α(E)						
² H	d	5.0-0	1.9-2	NOT FONSECA+		1603
3H α(E)						
² H	d	5.0-0	1.9-2	NOT FONSECA+		1604
2He α(E)						
³ He	³ He	3.9-1	1.1-0	MNA MCKEE+		1637
4He α(E)						
⁶ Li	d	2.0-2	1.3-1	ANL MONAHAN+		1607
7Li α(E)						
⁶ Li	d	2.0-2	1.3-1	ANL MONAHAN+		1608
7Be α(E)						
⁶ Li	d	2.0-2	1.3-1	ANL MONAHAN+		1609
8Be α(E)						
¹¹ B	p	2.0-1	4.5-1	MIL GADOLLI+		1317
11C α(E)						
¹¹ B	p	3.0-1	1.1-2	MIL GADOLLI+		1318
12C α(E)						
¹¹ B	p	2.0-1	4.5-1	MIL GADOLLI+		1319
14N α(E)						
¹¹ C	α	NDG		CAL INGALLS+		1638
15N α(E)						
¹⁵ N	p	6.0-1	1.0-1	ROS BARZ+		1320
15O α(E)						
¹⁵ N	p	1.0-0	1.0-1	ROS BARZ+		1321
16O α(E)						
¹² C	α	4.0-1	4.1-0	CAL HURBLET+		1639
¹⁶ O	p	2.0-1	4.5-1	MIL GADOLLI+		1323
16O thick target yield						
¹³ C	α	6.0-1	1.2-0	AE RANSTROM+		1640
17F α(E)						
²⁰ Ne	p	TR	1.7-1	CAL WOOSLEY+		1324
18F α(E)						
²¹ Ne	p	TR	1.3-1	CAL WOOSLEY+		1327
19F α(E)						
²² Ne	p	TR	1.3-1	CAL WOOSLEY+		1330
20Ne α(E)						
²³ Ne	p	1.0-1	8.1-0	CAL WOOSLEY+		1334
20Ne thick target yield						
²⁰ Mg	p	SCR		RIC WALTON+		1327
²⁰ Al	p	SCR		RIC WALTON+		1328
²⁰ Si	p	SCR		RIC WALTON+		1329
21Ne thick target yield						
²⁰ Mg	p	SCR		RIC WALTON+		1338
²⁰ Al	p	SCR		RIC WALTON+		1354
²⁰ Si	p	SCR		RIC WALTON+		1361
22Ne thick target yield						
²⁰ Mg	p	SCR		RIC WALTON+		1339
²⁰ Al	p	SCR		RIC WALTON+		1355
²⁰ Si	p	SCR		RIC WALTON+		1362
20Ne α(E)						
²⁰ Ne	p	TR	1.7-1	CAL WOOSLEY+		1325
21Ne α(E)						
²⁰ Ne	p	1.0-1	1.7-1	CAL WOOSLEY+		1326
²¹ Ne	p	TR	1.3-1	CAL WOOSLEY+		1328
²¹ Mg	p	TR	1.7-1	CAL WOOSLEY+		1341
22Ne α(E)						
²¹ Ne	p	1.0-1	1.3-1	CAL WOOSLEY+		1329
²² Ne	p	TR	1.3-1	CAL WOOSLEY+		1331
²² Mg	p	TR	1.4-1	CAL WOOSLEY+		1344
²² Al	α	4.6-1	1.2-2	ROC BOMMANN+		1662
22Ne thick target yield						
²⁰ Ne	p	SCR		RIC WALTON+		1333
23Ne α(E)						
²⁰ Ne	α	TR	1.3-1	CAL WOOSLEY+		1641
²² Ne	p	1.0-1	1.3-1	CAL WOOSLEY+		1332
²² Mg	p	TR	1.2-1	CAL WOOSLEY+		1347

ISOTOPE PRODUCTION--THEORETICAL(cont)

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
²¹ Ne	α	TR	1.2+1	CAL HOOSLEY+		1644
²² Al	α	4.6+1	1.2+2	ROC BORMANN+		1663 +
²³ Ne	α	TR	1.2+1	CAL HOOSLEY+		1647
²⁰ Ne	α	TR	1.2+1	CAL HOOSLEY+		1642
²³ Na	p	TR	8.1+0	CAL HOOSLEY+		1335
²⁰ Ne	α	TR	1.2+1	CAL HOOSLEY+		1643
²¹ Ne	α	TR	1.2+1	CAL HOOSLEY+		1645
²² Ne	p	1.0-1	8.1+0	CAL HOOSLEY+		1336
²² Al	p	5.2-1	8.3+0	CAL HOOSLEY+		1357
²¹ Ne	α	TR	1.2+1	CAL HOOSLEY+		1646
²² Ne	α	TR	1.2+1	CAL HOOSLEY+		1648
²² Ne	α	TR	1.2+1	CAL HOOSLEY+		1649
²³ Na	α	TR	1.2+1	CAL HOOSLEY+		1650
²¹ Hg	p	TR	1.7+1	CAL HOOSLEY+		1342
²¹ Hg	p	1.0-1	1.7+1	CAL HOOSLEY+		1343
²² Hg	p	TR	1.6+1	CAL HOOSLEY+		1345
²³ Si	p	TR	1.8+1	CAL HOOSLEY+		1364
²¹ Ne	α	TR	1.2+1	CAL HOOSLEY+		1651
²² Hg	p	1.0-1	1.6+1	CAL HOOSLEY+		1346
²³ Hg	p	TR	1.2+1	CAL HOOSLEY+		1348
²³ Si	p	TR	1.6+1	CAL HOOSLEY+		1367
²³ Na	α	TR	1.2+1	CAL HOOSLEY+		1652
²¹ Hg	α	TR	1.2+1	CAL HOOSLEY+		1662
²² Hg	α	TR	1.0-1	1.2+1	CAL HOOSLEY+	1349
²³ Si	p	TR	1.3+1	CAL HOOSLEY+		1370
²³ Hg	α	TR	1.2+1	CAL HOOSLEY+		1656
²⁴ Hg	α	TR	1.1+1	CAL HOOSLEY+		1659
²⁴ Hg	α	TR	1.2+1	CAL HOOSLEY+		1654
²⁷ Al	p	TR	8.3+0	CAL HOOSLEY+		1358
²⁴ Hg	α	TR	1.2+1	CAL HOOSLEY+		1655
²⁷ Al	p	2.1-1	8.3+0	CAL HOOSLEY+		1359
³¹ P	p	TR	8.3+0	CAL HOOSLEY+		1373
²³ Hg	α	TR	1.2+1	CAL HOOSLEY+		1658
²³ Hg	α	TR	1.1+1	CAL HOOSLEY+		1660
²⁴ Hg	α	TR	1.1+1	CAL HOOSLEY+		1661
²⁷ Al	p	TR	1.1+1	CAL HOOSLEY+		1664
²⁸ Si	p	TR	1.8+1	CAL HOOSLEY+		1365
²⁸ Si	p	1.0-1	1.0+1	CAL HOOSLEY+		1366
²⁹ Si	p	2.1-1	1.6+1	CAL HOOSLEY+		1368
³¹ P	p	TR	1.5+1	CAL HOOSLEY+		1376
²⁷ Al	α	TR	1.1+1	CAL HOOSLEY+		1665
²⁸ Si	p	TR	1.0+1	CAL HOOSLEY+		1369
³¹ P	p	2.1-1	1.3+1	CAL HOOSLEY+		1371
²⁷ Al	α	TR	1.1+1	CAL HOOSLEY+		1666
²⁸ Si	α	TR	1.1+1	CAL HOOSLEY+		1667
³¹ P	p	TR	1.0+1	CAL HOOSLEY+		1372
²⁸ Si	α	TR	1.1+1	CAL HOOSLEY+		1670

ISOTOPE PRODUCTION--THEORETICAL(cont)

Target	Inc	Emin (MeV)	Emax Lab	Author	No.
30Si	α	TR	1.1+1 CAL WOODSLEY+ 33P σ(E)		1673
36S	p	TR	1.0+1 CAL WOODSLEY+ 30S σ(E)		1682 1386
33S	p	2.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1379
28Si	α	TR	1.1+1 CAL WOODSLEY+ 31S σ(E)		1685
31P	p	2.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1387
34S	p	2.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1400
28Si	α	TR	1.1+1 CAL WOODSLEY+ 31S σ(E)		1688
31P	p	2.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1680
33Cl	p	2.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1589
29Si	α	TR	1.1+1 CAL WOODSLEY+ 31S σ(E)		1681
30Si	α	TR	1.1+1 CAL WOODSLEY+ 31S σ(E)		1683
36S	p	2.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1390
30Si	α	TR	1.1+1 CAL WOODSLEY+ 31S σ(E)		1403
31P	p	2.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1412
37Cl	p	5.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1684
32S	p	2.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1686
32S	p	2.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1392
36Ar	p	2.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1406
31P	p	2.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1413
33S	p	2.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1687
34S	p	2.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1691
31P	p	2.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1393
32S	p	2.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1409
32S	p	2.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1340
33S	p	2.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1356
36Ar	p	2.1-1	1.1+1 CAL WOODSLEY+ 31S σ(E)		1363

ISOTOPE PRODUCTION--THEORETICAL(cont)

Target	Inc	E _{min} (MeV)	E _{max} Lab (MeV)	Author	No.
³⁶ S	α	TR	1.0+1 CAL WOODLEY+		1629
³⁹Ar σ(E)					
³⁹Ar thick target yield					
α,β,γ	p	SCR	RIC WALTON		1435
⁴⁰Ar σ(E)					
³⁶ S	α	TR	1.0+1 CAL WOODLEY+		1690
³⁷ Cl	α	TR	1.1+1 CAL WOODLEY+		1694
⁴⁰ Ar	α	2.4+1	HAM FITZ.		1703
³⁶K σ(E)					
³⁶ Ar	p	TR	1.0+1 CAL WOODLEY+		1395
³⁷K σ(E)					
³⁶ Ar	p	TR	1.0+1 CAL WOODLEY+		1396
⁴⁰ Ca	p	8.2-1	1.6+1 CAL WOODLEY+		1414
³⁸K σ(E)					
³⁵ Cl	α	1.0+0	8.9+0 CAL WOODLEY+		1692
³⁸ Ar	p	TR	1.0+1 CAL WOODLEY+		1398
³⁹K σ(E)					
³⁵ Cl	α	TR	8.9+0 CAL WOODLEY+		1693
³⁶ Ar	α	TR	1.1+1 CAL WOODLEY+		1697
³⁸ Ar	α	TR	1.0+1 CAL WOODLEY+		1399
⁴² Ca	p	5.1-1	1.0+1 CAL WOODLEY+		1417
⁴⁰K σ(E)					
³⁷ Cl	α	8.9-1	8.6+0 CAL WOODLEY+		1695
⁴⁰ Ar	p	TR	1.0+1 CAL WOODLEY+		1401
⁴³ Ca	p	6.1-1	1.0+1 CAL WOODLEY+		1420
⁴¹K σ(E)					
³⁷ Cl	α	TR	8.6+0 CAL WOODLEY+		1696
³⁸ Ar	α	TR	1.1+1 CAL WOODLEY+		1700
⁴⁰ Ar	p	TR	1.0+1 CAL WOODLEY+		1402
⁴² Ca	p	5.1-1	1.1+1 CAL WOODLEY+		1423
⁴²K σ(E)					
⁴⁰ Ar	α	2.4+1	HAM FITZ.		1704
⁴³K σ(E)					
⁴⁰ Ar	α	TR	1.1+1 CAL WOODLEY+		1705
⁴⁰ Ar	α	2.4+1	HAM FITZ.		1706
⁴³K σ(E)					
⁴⁰ Ca	p	5.1+1	1.2+1 CAL WOODLEY+		1426
⁴³K σ(E)					
⁴⁸ Ca	p	5.1-1	1.3+1 CAL WOODLEY+		1429
³⁹Ca σ(E)					
³⁶ Ar	α	TR	1.7+1 CAL WOODLEY+		1698
³⁹ K	p	TR	1.0+1 CAL WOODLEY+		1404
⁴⁰Ca σ(E)					
³⁶ Ar	α	TR	1.7+1 CAL WOODLEY+		1699
⁴⁰ K	p	TR	1.0+1 CAL WOODLEY+		1405
⁴⁰ Ca	p	2.4+1	1.5+1 HAM FITZ.		1407
⁴¹Ca σ(E)					
³⁸ Ar	α	TR	1.2+1 CAL WOODLEY+		1701
⁴⁰ K	p	TR	1.0+1 CAL WOODLEY+		1408
⁴¹ K	p	TR	1.0+1 CAL WOODLEY+		1410
⁴²Ca σ(E)					
³⁸ Ar	α	TR	1.2+1 CAL WOODLEY+		1702
³⁹ K	α	TR	1.1+1 CAL WOODLEY+		1710
⁴¹ K	p	TR	1.0+1 CAL WOODLEY+		1411
⁴³ Sc	p	8.2-1	8.2+0 CAL WOODLEY+		1432
⁴³Ca σ(E)					
⁴⁰ Ar	α	TR	9.0+0 CAL WOODLEY+		1707
⁴⁰ Ar	α	2.4+1	HAM FITZ.		1708
⁴⁰ K	α	TR	1.1+1 CAL WOODLEY+		1715
⁴⁴Ca σ(E)					
⁴⁰ Ar	α	TR	9.0+0 CAL WOODLEY+		1709
⁴¹ K	α	TR	1.1+1 CAL WOODLEY+		1716
⁴⁴ Ca	p	2.4+1	HAM FITZ.		1732
⁴⁰Sc σ(E)					
⁴⁰ Ca	p	TR	1.0+1 CAL WOODLEY+		1415
⁴¹Sc σ(E)					
⁴⁰ Ca	p	TR	1.0+1 CAL WOODLEY+		1416
⁴²Sc σ(E)					
³⁹ K	α	TR	9.9+0 CAL WOODLEY+		1711

ISOTOPE PRODUCTION--THEORETICAL(cont)

Target	Inc	Emin (MeV)	Emax (MeV)	Lab	Author	No.
⁴²Sc σ(E)						
⁴⁰ Ca	0	2.4+1		HAM FITZ.		1720
⁴² Ca	p	TR	1.2-1	CAL WOODLEY+		1418
⁴³Sc σ(E)						
³⁹ Si	¹⁴ N	7.0-1	6.2-1	FSU ZELLER+		1880
⁴⁰ K	0	TR	9.9-0	CAL WOODLEY+		1712
⁴² K	0	1.1-0	8.6-0	CAL WOODLEY+		1714
⁴⁰ Ca	0	2.4+1	1.3-1	CAL WOODLEY+		1721
⁴² Ca	p	TR	1.3-1	HAM FITZ.		1722
⁴³ Ca	p	TR	1.2-1	CAL WOODLEY+		1419
⁴³ Ca	p	TR	1.0-1	CAL WOODLEY+		1421
⁴³ Ca	p	8.2-1	1.4-1	CAL WOODLEY+		1436
⁴³Sc thick target yield						
³⁹ Si	¹⁴ N	4.0-1	6.2-1	FSU ZELLER+		1881
⁴⁴Sc σ(E)						
⁴⁰ K	0	8.8-1	8.6-0	CAL WOODLEY+		1715
⁴¹ K	0	8.8-1	6.6-0	CAL WOODLEY+		1717
⁴³ Ca	p	TR	1.0-1	CAL WOODLEY+		1422
⁴⁴ Ca	p	TR	1.0-1	CAL WOODLEY+		1424
⁴⁷ Ti	p	8.2-1	1.3-1	CAL WOODLEY+		1439
⁴⁴Sc σ(E)						
³⁹ Si	¹⁴ N	4.0-1	6.2-1	FSU ZELLER+		1883
⁵¹ V	0	6.9-1	1.2-2	ROC BOMMANN+		1766 +
⁴⁴Sc thick target yield						
³⁹ Si	¹⁴ N	4.0-1	6.2-1	FSU ZELLER+		1882
⁴⁵Sc σ(E)						
⁴¹ K	0	TR	6.6-0	CAL WOODLEY+		1718
⁴² Ca	0	TR	1.1-1	CAL WOODLEY+		1726
⁴⁴ Ca	p	TR	1.0-1	CAL WOODLEY+		1425
⁴⁵ Ti	p	5.1-1	1.3-1	CAL WOODLEY+		1442
⁴⁶Sc σ(E)						
⁴³ Ca	0	TR	1.1-1	CAL WOODLEY+		1729
⁴⁴ Ca	0	2.4-1	1.0-1	HAM FITZ.		1733
⁴⁶ Ca	p	TR	1.2-1	CAL WOODLEY+		1427
⁵¹ V	0	8.2-1	1.2-1	ROC BOMMANN+		1443
⁵¹ V	0	4.0-1	1.2-2	ROC BOMMANN+		1767 +
⁴⁷Sc σ(E)						
⁴⁰ Ca	0	TR	1.1-1	CAL WOODLEY+		1734
⁴² Ca	0	2.4-1		HAM FITZ.		1735
⁴⁶ Ca	p	TR	1.0-1	CAL WOODLEY+		1428
⁵⁰ Ti	0	5.1-1	1.3-1	CAL WOODLEY+		1448
⁵¹ V	0	3.2-1	1.2-2	ROC BOMMANN+		1768 +
⁴⁸Sc σ(E)						
⁴⁸ Ca	p	TR	1.0-1	CAL WOODLEY+		1430
⁵¹ V	0	6.1-1	1.2-2	ROC BOMMANN+		1769 +
⁴⁹Sc σ(E)						
⁴⁶ Ca	0	TR	1.1-1	CAL WOODLEY+		1739
⁴⁸ Ca	p	TR	1.0-1	CAL WOODLEY+		1431
⁵¹Sc σ(E)						
⁴⁸ Ca	0	TR	1.2-1	CAL WOODLEY+		1742
⁴³Ti σ(E)						
⁴⁰ Ca	0	TR	1.8-1	CAL WOODLEY+		1723
⁴⁰ Ca	0	2.4-1		HAM FITZ.		1724
⁴⁴Ti σ(E)						
⁴⁰ Ca	0	TR	1.8-1	CAL WOODLEY+		1725
⁴⁵Ti σ(E)						
⁴² Ca	0	TR	1.1-1	CAL WOODLEY+		1727
⁴⁵ Sc	p	TR	1.1-1	CAL WOODLEY+		1433

ISOTOPE PRODUCTION--THEORETICAL(cont)

Target	Inc	Emin (MeV)	Emax (MeV)	Lab	Author	No.
⁵¹ V	p	8.2-1	9.8-0	CAL WOOSLEY*		1454
⁴⁸ Ti	α	TR	1.2-1	CAL WOOSLEY*		1740
⁴⁶ Ca	α	TR	1.2-1	CAL WOOSLEY*		1741
⁴⁸ Ca	α	TR	1.4-1	CAL WOOSLEY*		1743
⁴⁸ Ca	α	TR	1.4-1	CAL WOOSLEY*		1744
⁴⁶ Ti	p	TR	1.1-1	CAL WOOSLEY*		1437
⁴⁵ Ti	p	TR	1.1-1	CAL WOOSLEY*		1438
⁴⁵ Ti	p	TR	1.1-1	CAL WOOSLEY*		1440
⁵² Cr	p	9.2-1	1.5-1	CAL WOOSLEY*		1457
⁴³ Sc	α	TR	8.7-0	CAL WOOSLEY*		1746
⁴² Ti	α	TR	1.1-1	CAL WOOSLEY*		1441
⁴² Ti	α	TR	1.1-1	CAL WOOSLEY*		1443
⁵¹ V	α	5.2-1	1.2-2	ROC BOHMANN*		1770 +
⁴³ Sc	α	TR	8.7-0	CAL WOOSLEY*		1747
⁴² Ti	α	TR	1.1-1	CAL WOOSLEY*		1442
⁴² Ti	α	TR	1.1-1	CAL WOOSLEY*		1444
⁵² Cr	p	8.2-1	1.4-1	CAL WOOSLEY*		1460
⁴⁷ Sc	α	TR	8.7-0	CAL WOOSLEY*		1751
⁴⁶ Ti	α	TR	1.1-1	CAL WOOSLEY*		1447
⁴⁶ Ti	α	TR	1.1-1	CAL WOOSLEY*		1449
⁵¹ V	α	TR	1.2-1	CAL WOOSLEY*		1463
⁴⁸ Ti	α	TR	1.2-1	CAL WOOSLEY*		1754
⁵⁰ Ti	p	TR	1.1-1	CAL WOOSLEY*		1450
⁵⁴ Cr	p	8.1-1	1.1-1	CAL WOOSLEY*		1466
⁴⁹ Ti	α	TR	1.2-1	CAL WOOSLEY*		1757
⁵⁰ Ti	α	TR	1.2-1	CAL WOOSLEY*		1760
⁴⁶ Ti	α	TR	1.5-1	CAL WOOSLEY*		1749
⁴⁶ Ti	α	TR	1.5-1	CAL WOOSLEY*		1750
⁵⁰ V	p	TR	1.1-1	CAL WOOSLEY*		1452
⁴⁷ Ti	α	TR	1.4-1	CAL WOOSLEY*		1753
⁵⁰ V	p	TR	1.1-1	CAL WOOSLEY*		1453
⁵¹ V	α	2.9-1	1.2-2	ROC BOHMANN*		1771 +
⁴⁸ Ti	α	TR	1.4-1	CAL WOOSLEY*		1756
⁴⁹ Ti	α	TR	1.3-1	CAL WOOSLEY*		1758
⁵⁵ Mn	p	8.1-1	9.2-0	CAL WOOSLEY*		1469
⁴⁹ Ti	α	TR	1.3-1	CAL WOOSLEY*		1759
⁵⁰ V	α	TR	1.2-1	CAL WOOSLEY*		1761
⁵⁰ V	α	TR	1.2-1	CAL WOOSLEY*		1763
⁵⁰ Ti	α	TR	1.4-1	CAL WOOSLEY*		1762
⁵¹ V	α	TR	1.2-1	CAL WOOSLEY*		1772
⁵⁰ Cr	p	TR	1.1-1	CAL WOOSLEY*		1458
⁵⁰ Cr	p	TR	1.1-1	CAL WOOSLEY*		1459
⁵⁴ Fe	p	9.2-1	1.5-1	CAL WOOSLEY*		1472

ISOTOPE PRODUCTION--THEORETICAL(cont)

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
⁵² Cr	p	TR	1.2+1	CAL WOOSLEY+		1461
				⁵² Mn σ(E)		
⁵¹ V	α	2.3+1	1.2+2	RUC BOHMANN+		1773 *
				⁵³ Mn σ(E)		
⁵⁰ V	α	4.2+0	1.1+1	CAL WOOSLEY+		1764
⁵⁰ Cr	α	TR	1.2+1	CAL WOOSLEY+		1777
⁵² Cr	p	TR	1.2+1	CAL WOOSLEY+		1462
⁵⁴ Cr	p	TR	1.2+1	CAL WOOSLEY+		1464
⁵⁶ Fe	p	9.2-1	1.3+1	CAL WOOSLEY+		1475
				⁵⁴ Mn σ(E)		
⁵⁰ V	α	1.3+0	1.1+1	CAL WOOSLEY+		1765
⁵¹ V	α	TR	1.0+1	CAL WOOSLEY+		1774
⁵¹ V	α	6.6+0	8.5+1	RUC BOHMANN+		1775 *
⁵³ Cr	p	TR	1.2+1	CAL WOOSLEY+		1465
⁵⁴ Cr	p	TR	1.2+1	CAL WOOSLEY+		1467
⁵⁷ Fe	p	1.0+0	1.2+1	CAL WOOSLEY+		1478
				⁵³ Mn σ(E)		
⁵¹ V	α	TR	1.0+1	CAL WOOSLEY+		1776
⁵² Cr	α	TR	1.2+1	CAL WOOSLEY+		1780
⁵⁴ Cr	p	TR	1.1+1	CAL WOOSLEY+		1468
⁵⁸ Fe	p	9.2-1	1.1+1	CAL WOOSLEY+		1481
				⁵⁴ Mn σ(E)		
⁵³ Cr	α	TR	1.2+1	CAL WOOSLEY+		1783
				⁵⁷ Mn σ(E)		
⁵⁴ Cr	α	TR	1.2+1	CAL WOOSLEY+		1786
				⁵³ Fe σ(E)		
⁵⁰ Cr	α	TR	1.6+1	CAL WOOSLEY+		1778
				⁵⁴ Fe σ(E)		
⁵⁰ Cr	α	TR	1.6+1	CAL WOOSLEY+		1779
				⁵³ Fe σ(E)		
⁵² Cr	α	TR	1.5+1	CAL WOOSLEY+		1781
⁵⁵ Mn	p	TR	1.2+1	CAL WOOSLEY+		1470
				⁵⁴ Fe σ(E)		
⁵² Cr	α	TR	1.5+1	CAL WOOSLEY+		1782

ISOTOPE PRODUCTION--THEORETICAL(cont)

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
⁵⁶ Fe	α	TR	1.3+1	CAL HOOSLEY+		1801
⁶⁴ Ni	p	1.0+0	1.2+1	CAL HOOSLEY+		1499
				⁶¹ Co σ(E)		
⁵⁴ Fe	α	TR	1.6+1	CAL HOOSLEY+		1793
				⁵⁷ Mn σ(E)		
⁵⁴ Fe	α	TR	1.6+1	CAL HOOSLEY+		1794
				⁵⁸ Ni σ(E)		
⁵⁶ Fe	α	TR	1.3+1	CAL HOOSLEY+		1796
⁵⁹ Co	p	TR	1.2+1	CAL HOOSLEY+		1485
				⁶⁰ Ni σ(E)		
⁵⁶ Fe	α	TR	1.3+1	CAL HOOSLEY+		1797
⁵⁷ Fe	α	TR	1.2+1	CAL HOOSLEY+		1799
⁵⁹ Co	p	TR	1.2+1	CAL HOOSLEY+		1486
⁶³ Cu	p	1.1+0	8.9+0	CAL HOOSLEY+		1502
				⁶¹ Ni σ(E)		
⁵⁷ Fe	α	TR	1.2+1	CAL HOOSLEY+		1800
⁵⁸ Fe	α	TR	1.2+1	CAL HOOSLEY+		1802
				⁶² Ni σ(E)		
⁵⁸ Fe	α	TR	1.2+1	CAL HOOSLEY+		1803
⁵⁹ Co	p	TR	1.3+1	CAL HOOSLEY+		1804
⁶⁷ Cu	p	1.1+0	8.1+0	CAL HOOSLEY+		1505
				⁵⁹ Cu σ(E)		
⁵⁸ Ni	p	TR	1.2+1	CAL HOOSLEY+		1488
⁵⁸ Ni	p	TR	1.2+1	CAL HOOSLEY+		1489
				⁶⁰ Cu σ(E)		
⁶⁰ Ni	p	TR	1.3+1	CAL HOOSLEY+		1491
				⁶¹ Cu σ(E)		
⁵⁸ Ni	p	TR	1.3+1	CAL HOOSLEY+		1807
⁶⁰ Ni	p	TR	1.3+1	CAL HOOSLEY+		1492
⁶⁴ Zn	p	1.0+0	1.2+1	CAL HOOSLEY+		1494
				⁶² Cu σ(E)		
⁵⁹ Co	α	TR	9.4+0	CAL HOOSLEY+		1805
⁶¹ Ni	p	TR	1.3+1	CAL HOOSLEY+		1495
				⁶² Ni σ(E)		
⁶² Ni	p	TR	1.2+1	CAL HOOSLEY+		1497
				⁶³ Cu σ(E)		
⁵⁹ Co	α	TR	9.4+0	CAL HOOSLEY+		1808
⁶² Ni	p	TR	1.2+1	CAL HOOSLEY+		1501
⁶⁶ Zn	p	1.2+0	1.5+1	CAL HOOSLEY+		1511
				⁶⁴ Cu σ(E)		
⁶¹ Ni	α	TR	1.3+1	CAL HOOSLEY+		1813
⁶⁷ Zn	p	1.1+0	1.0+1	CAL HOOSLEY+		1514
				⁶⁵ Cu σ(E)		
⁶² Ni	α	TR	1.3+1	CAL HOOSLEY+		1816
⁶⁴ Ni	p	TR	1.2+1	CAL HOOSLEY+		1501
⁶⁷ Zn	p	1.1+0	1.1+1	CAL HOOSLEY+		1517
				⁶⁷ Cu σ(E)		
⁶⁴ Ni	α	TR	1.3+1	CAL HOOSLEY+		1819
⁷⁰ Zn	p	1.0+0	1.0+1	CAL HOOSLEY+		1520
				⁶¹ Zn σ(E)		
⁵⁸ Ni	α	TR	1.4+1	CAL HOOSLEY+		1808
				⁶² Zn σ(E)		
⁵⁸ Ni	α	TR	1.4+1	CAL HOOSLEY+		1809
				⁶³ Zn σ(E)		
⁶⁰ Ni	α	TR	1.3+1	CAL HOOSLEY+		1811
⁶³ Cu	p	TR	1.2+1	CAL HOOSLEY+		1503
				⁶⁴ Zn σ(E)		
⁶⁰ Ni	α	TR	1.3+1	CAL HOOSLEY+		1812
⁶¹ Ni	α	TR	1.3+1	CAL HOOSLEY+		1814
⁶³ Cu	p	TR	1.2+1	CAL HOOSLEY+		1504
				⁶⁵ Zn σ(E)		
⁶¹ Ni	α	TR	1.3+1	CAL HOOSLEY+		1815
⁶² Ni	α	TR	1.3+1	CAL HOOSLEY+		1817
⁶⁵ Cu	p	TR	1.3+1	CAL HOOSLEY+		1506
				⁶⁶ Zn σ(E)		
⁶² Ni	α	TR	1.3+1	CAL HOOSLEY+		1818

ISOTOPE PRODUCTION--THEORETICAL(cont)

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
⁶³ Cu	α	TR	1.3+1	CAL WOOSLEY+		1822
⁶⁵ Cu	p	TR	1.3+1	CAL WOOSLEY+		1507
⁶⁵ Cu	160	3.9+1	5.1+1	ORL WELLS+		1907
⁶⁴ Ni	α	TR	1.2+1	CAL WOOSLEY+		1820
⁶⁴ Ni	α	TR	1.2+1	CAL WOOSLEY+		1821
⁶⁵ Cu	α	TR	1.4+1	CAL WOOSLEY+		1825
⁶⁶ Zn	p	TR	1.3+1	CAL WOOSLEY+		1509
⁶⁶ Zn	p	TR	1.3+1	CAL WOOSLEY+		1510
⁶⁶ Zn	p	TR	1.3+1	CAL WOOSLEY+		1823
⁶⁶ Zn	p	TR	1.3+1	CAL WOOSLEY+		1512
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1824
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1828
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1513
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1515
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1826
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1516
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1518
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1827
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1908
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1831
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1519
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1834
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1521
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1837
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1838
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1839
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1841
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1842
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1909
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1823
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1910
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1524
⁶⁷ Cu	α	TR	1.4+1	CAL WOOSLEY+		1911

ISOTOPE PRODUCTION--THEORETICAL(cont.)

Target	Inc	Emin (MeV)	Emax (MeV)	Lab	Author	No.
^{65}Cu	160	3.9+1	5.1+1	ORL WELLS+ ^{78}Se $\sigma(\text{E})$		1912
^{65}Cu	160	3.9+1	5.1+1	ORL WELLS+ ^{78}Br $\sigma(\text{E})$		1913
^{65}Cu	160	3.9+1	5.1+1	ORL WELLS+ ^{78}Br $\sigma(\text{E})$		1914
^{65}Cu	160	3.9+1	5.1+1	ORL WELLS+ ^{78}Br $\sigma(\text{E})$		1915
^{65}Cu	160	3.9+1	5.1+1	ORL WELLS+ ^{78}Br $\sigma(\text{E})$		1916
^{65}Cu	160	3.9+1	5.1+1	ORL WELLS+ ^{78}Br $\sigma(\text{E})$		1917
^{65}Cu	160	3.9+1	5.1+1	ORL WELLS+ ^{78}Kr $\sigma(\text{E})$		1918
^{65}Cu	160	3.9+1	5.1+1	ORL WELLS+ ^{78}Kr $\sigma(\text{E})$		1919
^{65}Cu	160	3.9+1	5.1+1	ORL WELLS+ ^{78}Rb $\sigma(\text{E})$		1920
^{65}Cu	160	3.9+1	5.1+1	ORL WELLS+ ^{78}Rb $\sigma(\text{E})$		1921
^{88}Sr	p	7.3+1		MIL GAD10LI+ ^{85}Sr $\sigma(\text{E})$		1525
^{88}Sr	p	5.4+1		MIL GAD10LI+ ^{85}Y $\sigma(\text{E})$		1526
^{88}Sr	p	6.9+1		MIL GAD10LI+ ^{85}Y $\sigma(\text{E})$		1527
^{88}Sr	p	6.0+1	8.5+1	MCG SAHA+ ^{85}Y $\sigma(\text{E})$		1530+
^{88}Sr	p	6.0+1	8.5+1	MCG SAHA+ ^{85}Y $\sigma(\text{E})$		1531+
^{88}Sr	p	5.4+1		MIL GAD10LI+ ^{85}Y $\sigma(\text{E})$		1528
^{88}Sr	p	6.0+1	8.5+1	MCG SAHA+ ^{85}Y $\sigma(\text{E})$		1532+
^{88}Sr	p	6.0+1	8.5+1	MCG SAHA+ ^{85}Y $\sigma(\text{E})$		1533+
^{88}Sr	p	6.0+1	8.5+1	MCG SAHA+ ^{85}Y $\sigma(\text{E})$		1534+
^{88}Sr	p	4.5+1	8.5+1	MCG SAHA+ ^{85}Y $\sigma(\text{E})$		1535+
^{88}Sr	p	3.9+1		MIL GAD10LI+ ^{85}Y $\sigma(\text{E})$		1529
^{88}Sr	p	3.7+1	8.5+1	MCG SAHA+ ^{85}Y $\sigma(\text{E})$		1530+
^{88}Sr	p	7.2+1		MIL GAD10LI+ ^{85}Y $\sigma(\text{E})$		1532
^{88}Sr	p	7.8+1		MIL GAD10LI+ ^{85}Y $\sigma(\text{E})$		1554
^{88}Sr	p	4.5+1	8.5+1	MCG SAHA+ ^{85}Y $\sigma(\text{E})$		1538+
^{88}Sr	p	4.5+1	8.5+1	MCG SAHA+ ^{85}Y $\sigma(\text{E})$		1539+
^{88}Sr	p	2.5+1	8.5+1	MCG SAHA+ ^{85}Y $\sigma(\text{E})$		1540+
^{88}Sr	p	2.5+1	8.5+1	MCG SAHA+ ^{85}Y $\sigma(\text{E})$		1541+
^{88}Sr	p	5.8+1		MIL GAD10LI+ ^{85}Y $\sigma(\text{E})$		1542
^{88}Sr	p	6.0+1		MIL GAD10LI+ ^{85}Y $\sigma(\text{E})$		1555
^{88}Sr	p	2.5+1	8.5+1	MCG SAHA+ ^{85}Y $\sigma(\text{E})$		1543+
^{88}Sr	p	2.5+1	8.5+1	MCG SAHA+ ^{85}Y $\sigma(\text{E})$		1544+
^{88}Sr	p	1.5+1	8.5+1	MCG SAHA+ ^{85}Y $\sigma(\text{E})$		1545+
^{88}Sr	p	4.3+1		MIL GAD10LI+ ^{85}Y $\sigma(\text{E})$		1546

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
					⁹⁰ Y $\sigma(E)$	
⁸⁹ Y	d	5.0+0	1.5+1	KTO OKAMURA+		1610
					⁹⁰ Y $\sigma(E)$	
⁸⁹ Y	d	5.0+0	1.5+1	KTO OKAMURA+		1611
					⁸⁸ Zr $\sigma(E)$	
⁸⁹ Y	p	4.5+1	8.5+1	MCG SAHA+		1547 +
⁸⁹ Y	p	5.4+1		MIL GADIOLI+		1548
					⁸⁷ Zr $\sigma(E)$	
⁸⁹ Y	p	3.1+1	8.5+1	MCG SAHA+		1549 +
⁸⁹ Y	p	4.0+1		MIL GADIOLI+		1550
					⁸⁸ Zr $\sigma(E)$	
⁸⁹ Y	p	1.5+1	8.5+1	MCG SAHA+		1551 +
					⁸⁹ Zr $\sigma(E)$	
⁸⁹ Y	p	5.0+0	8.5+1	MCG SAHA+		1552 +
					⁹⁰ Zr $\sigma(E)$	
⁸⁹ Y	p	1.4+1	2.7+1	LRL DIETRICH+		1553
					⁹³ Nb ratio metastable/ground state	
²³⁵ U	p	1.0+1		LAS MADLAND+		1595
					⁹³ Tc $\sigma(E)$	
⁹⁶ Mo	p	3.1+1	8.0+1	MCG BRODOVITCH+		1556
					⁹⁴ Tc $\sigma(E)$	
⁹⁶ Mo	p	2.0+1	8.0+1	MCG BRODOVITCH+		1557
					⁹³ Tc $\sigma(E)$	
⁹⁶ Mo	p	1.2+1	8.0+1	MCG BRODOVITCH+		1558
					⁹⁴ Tc $\sigma(E)$	
⁹⁶ Mo	p	3.0+0	8.2+1	MCG BRODOVITCH+		1559
					¹¹⁰ In ratio metastable/ground state	
¹¹⁰ Cd	p	6.0+0	2.0+1	UFT SKAKUN+		1560
					¹¹² In ratio metastable/ground state	
¹¹² Cd	p	4.0+0	2.0+1	UFT SKAKUN+		1561

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
					¹¹⁴ In RMH	
¹¹⁴ Cd	p	4.0+0	9.0+0	CCP SKAKUN+		1562
					¹¹⁴ In RMT	
¹¹⁴ Cd	p	4.0+0	9.0+0	CCP SKAKUN+		1563
					¹¹⁶ In RMH	
¹¹⁶ Cd	p	5.0+0	9.0+0	CCP SKAKUN+		1564
					¹³¹ Te $\sigma(E)$	
¹³⁰ Te	d	4.3+0	1.4+1	KTO OKAMURA+		1612
					¹³¹ Te $\sigma(E)$	
¹³⁰ Te	d	4.3+0	1.4+1	KTO OKAMURA+		1613
					¹³⁴ Cs ratio metastable/ground state	
¹³⁹ La	p	2.0+1	1.7+2	PAR KRUPA+		1565
					¹³³ Cs ratio metastable/ground state	
¹³⁹ La	p	3.0+1	1.6+2	PAR KRUPA+		1566
					¹³⁶ Ba $\sigma(E)$	
¹³⁹ La	p	2.0+1		MIL MILAZZO-COLLI+		1567
					¹³⁷ La $\sigma(E)$	
¹⁴⁰ Ce	p	2.0+1		MIL MILAZZO-COLLI+		1568
					¹⁴⁷ Pr $\sigma(E)$	
¹⁵⁰ Nd	p	1.8+1		MIL MILAZZO-COLLI+		1576 +
					¹⁵² Nd $\sigma(E)$	
¹⁴¹ Pr	p	3.8+1	8.5+1	MCG HOGAN.		1569 +
					¹³⁹ Nd ratio metastable/ground state	
¹⁴¹ Pr	p	2.5+1	8.5+1	MCG HOGAN.		1570 +
					¹³⁹ Nd $\sigma(E)$	
¹⁴¹ Pr	p	2.5+1	8.5+1	MCG HOGAN.		1571 +
					¹³⁹ Nd $\sigma(E)$	
¹⁴¹ Pr	p	2.5+1	8.5+1	MCG HOGAN.		1572 +

ISOTOPE PRODUCTION--THEORETICAL(cont)

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
¹⁴¹ Pr	p	2.5+1	8.5+1	MCG HOGAN.		1573 +
¹⁴¹ Pr	p	9.0+0	8.5+1	MCG HOGAN.		1574 +
¹⁴¹ Pr	p	9.0+0	3.8+1	MCG HOGAN.		1575 +
¹⁴⁷ Sm	p	1.8+1		MIL MILAZZO-COLLI+		1577 +
¹⁵⁰ Sm	p	2.0+1		MIL MILAZZO-COLLI+		1578
¹⁵² Sm	p	1.8+1		MIL MILAZZO-COLLI+		1579 +
¹⁵⁴ Sm	p	1.8+1		MIL MILAZZO-COLLI+		1580 +
¹⁵⁶ Gd	p	2.0+1		MIL MILAZZO-COLLI+		1581
¹⁴² Nd	¹² C	8.7+1	1.7+2	ORL TOH+		1874
¹⁴² Nd	¹² C	8.7+1	1.7+2	ORL TOH+		1875
¹⁴² Nd	¹² C	8.7+1	1.7+2	ORL TOH+		1876
¹⁴¹ Pr	¹⁴ N	5.8+1	9.8+1	ORL SCHMIDT-OTT+		1884
¹⁴¹ Pr	¹⁴ N	5.8+1	9.8+1	ORL SCHMIDT-OTT+		1885
¹⁴² Nd	¹⁴ N	5.8+1	9.8+1	ORL SCHMIDT-OTT+		1886
¹⁴² Nd	¹⁴ N	5.8+1	9.8+1	ORL SCHMIDT-OTT+		1887
¹⁴² Nd	¹⁴ N	5.8+1	9.8+1	ORL SCHMIDT-OTT+		1888
¹⁴² Nd	¹⁴ N	5.8+1	9.8+1	ORL SCHMIDT-OTT+		1889
⁷⁴ Ge	⁸⁴ Kr	3.2+2	4.5+2	PAR CABOT+		1952
¹¹⁸ Sn	⁴⁰ Ar	1.6+2	2.4+2	PAR CABOT+		1953
¹⁴² Nd	¹⁶ O	8.6+1	1.2+2	PAR CABOT+		1927
¹⁷¹ Yb	p	2.0+1		MIL MILAZZO-COLLI+		1582
¹⁷⁵ Yb	p	1.8+1		MIL MILAZZO-COLLI+		1583 +
¹⁹⁷ Au	p	3.9+1	8.6+1	BON KURZ+		1845 +
²⁰³ Tl	p	2.0+1		MIL MILAZZO-COLLI+		1584
²⁰³ Tl	p	2.0+1		MIL MILAZZO-COLLI+		1585
¹⁹⁷ Au	p	8.8+1	1.0+2	BON KURZ+		1846 +
¹⁹⁷ Au	p	7.4+1	1.0+2	BON KURZ+		1847 +
¹⁹⁷ Au	p	6.0+1	8.6+1	BON KURZ+		1848 +
¹⁹⁷ Au	p	4.6+1	8.6+1	BON KURZ+		1849 +
¹⁹⁷ Au	p	4.6+1	8.6+1	BON KURZ+		1850 +
¹⁹⁷ Au	p	4.6+1	8.6+1	BON KURZ+		1851 +

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
					¹⁹⁷ Tl σ(E)	
¹⁹⁷ Au	α	4.0+1	7.0+1	BON KURZ+		1852 +
					¹⁹⁸ Tl σ(E)	
¹⁹⁷ Au	α	5.0+1	6.2+1	BON KURZ+		1853 +
					^{198m} Tl σ(E)	
¹⁹⁷ Au	α	3.0+1	6.2+1	BON KURZ+		1854 +
					¹⁹⁹ Tl σ(E)	
¹⁹⁷ Au	α	1.9+1	5.2+1	BON KURZ+		1855 +
					²⁰⁰ Tl σ(E)	
¹⁹⁷ Au	α	1.6+1	4.3+1	BON KURZ+		1856 +
					²⁰³ Tl σ(E)	
²⁰⁶ Pb	p	2.0+1		MIL MILAZZO-COLLI+		1586
					²⁰⁴ Tl σ(E)	
²⁰⁷ Pb	p	2.0+1	3.0+1	MIL MILAZZO-COLLI+		1587
					²⁰⁵ Tl σ(E)	
²⁰⁸ Pb	p	2.0+1	3.0+1	MIL MILAZZO-COLLI+		1588
					²⁰⁶ Pb σ(E)	
²⁰⁹ Bi	p	2.0+1		MIL MILAZZO-COLLI+		1591
					^{206m} Pb σ(E)	
²⁰⁸ Pb	p	2.4+1	5.2+1	TOK KAWAKAMI+		1589
					^{207m} Pb σ(E)	
²⁰⁸ Pb	p	2.4+1	5.2+1	TOK KAWAKAMI+		1590
					²⁰⁸ Pb σ(E)	
²⁰⁸ Pb	d	5.0+0	1.3+1	JUL BAUR+		1620
²⁰⁸ Pb	α	2.2+1		SUR JACKSON+		1860
					²²⁹ Ac σ(E)	
²³² Th	p	2.0+1		MIL MILAZZO-COLLI+		1593
					²³² Th σ(E)	
²³⁰ Th	τ	NDG		NTA RAGNARSSON+		1632
					²³⁴ U σ(E)	
²³² U	τ	NDG		NTA RAGNARSSON+		1633

Target	Inc	E _{min} (MeV)	E _{max} (MeV)	Lab	Author	No.
					²³⁸ U product yield	
²³⁸ U	p	SCR		RIC WALTON+		1594
					²⁴² Pu σ(E)	
²⁴⁰ Pu	τ	NDG		NTA RAGNARSSON+		1634
					²⁴⁴ Pu σ(E)	
²⁴² Pu	τ	NDG		NTA RAGNARSSON+		1635
					²⁴⁰ Cm σ(E)	
²³⁸ Pu	α	2.0+1	2.9+1	NBI METAG+		1863 +
²⁴¹ Am	p	8.0+0	1.6+1	NBI METAG+		1596 +
					²⁴¹ Cm σ(E)	
²³⁸ Pu	α	2.0+1	2.4+1	NBI METAG+		1864 +
					²⁴⁸ Cm σ(E)	
²⁴⁶ Cm	τ	NDG		NTA RAGNARSSON+		1636
					Fission fragments fission yield	
⁵⁸ Ni	³⁵ Cl	NDG		ROC MIGNEREY+		1946
¹¹² Sn	³⁵ Cl	NDG		ROC MIGNEREY+		1947
¹¹⁶ Sn	³⁵ Cl	NDG		ROC MIGNEREY+		1948
¹²⁰ Sn	³⁵ Cl	NDG		ROC MIGNEREY+		1949
¹²⁴ Sn	³⁵ Cl	NDG		ROC MIGNEREY+		1950
²²⁷ Ra	p	1.3+1		ANL WILKINS+		1592
					Fission fragments ratio ternary/binary σ(E)	
¹⁹⁷ Au	d	2.0+3		STR RAHIMI+		1614 +
¹⁹⁷ Pb	d	2.0+3		STR RAHIMI+		1617 +
²⁰⁹ Bi	d	2.0+3		STR RAHIMI+		1621 +
²³² Th	d	2.0+3		STR RAHIMI+		1624 +
²³² U	d	2.0+3		STR RAHIMI+		1627 +
Many	d	2.0+3		STR RAHIMI+		1630
					Fission fragments σ(E)	
¹⁹⁷ Au	d	2.0+3		STR RAHIMI+		1615 +
¹⁹⁷ Au	d	2.0+3		STR RAHIMI+		1616 +
¹⁹⁷ Pb	d	2.0+3		STR RAHIMI+		1618 +
¹⁹⁷ Pb	d	2.0+3		STR RAHIMI+		1619 +
²⁰⁹ Bi	d	2.0+3		STR RAHIMI+		1622 +
²⁰⁹ Bi	d	2.0+3		STR RAHIMI+		1623 +
²³² Th	d	2.0+3		STR RAHIMI+		1625 +
²³² Th	d	2.0+3		STR RAHIMI+		1626 +
²³² U	d	2.0+3		STR RAHIMI+		1628 +

ISOTOPE PRODUCTION--THEORETICAL (cont)

Target	Inc	Emin (MeV)	Emax (MeV)	Lab	Author	No.
Fission fragments $\sigma(E)$						
U	d	2.0-3		STR RAHIMI*		1629 +
²³⁸ Pu	α	2.0-1	2.9+1	NBI METAG*		1865 +
²⁴¹ Am	p	8.0-0	1.6+1	NBI METAG*		1597 +
Many	d	2.0-3		STR RAHIMI*		1631

REVIEW REFERENCES

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
Be(p,absorption) σ(E)					
1953 IJI	J FCY 6	827	75 9.9+0 9.9+1	NEMETS+ TBL.	
	J SJPN 6	325	76 9.9+0 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁷Be(p,absorption) σ(E)					
1954 IJI	J FCY 6	827	75 1.0+1 1.0+2	NEMETS+ CURV.	
1955 IJI	J SJPN 6	325	76 1.0+1 1.0+2	. TRANSLATION OF FCY 6,(4),827(75).	
C(p,absorption) σ(E)					
1956 IJI	J FCY 6	827	75 9.0+0 1.3+2	NEMETS+ CURV. TBL.	
	J SJPN 6	335	76 9.0+0 1.3+2	. TRANSLATION OF FCY 6,(4),827(75).	
F(p,absorption) σ(E)					
1957 IJI	J FCY 6	827	75 9.9+1	NEMETS+ TBL.	
	J SJPN 6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
²³Na(p,n)²³Mg σ(E)					
1958 CAL	W FOWLER	N76 5.1+0 1.1+1		FOWLER. CURV. HAUSER-FESHBACH.	
Mg(p,absorption) σ(E)					
1959 IJI	J FCY 6	827	75 9.2+0 9.9+1	NEMETS+ TBL.	
	J SJPN 6	325	76 9.2+0 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
²⁷Al(p,absorption) σ(E)					
1960 IJI	J FCY 6	827	75 8.0+0 1.3+2	NEMETS+ CURV. TBL.	
	J SJPN 6	335	76 8.0+0 1.3+2	. TRANSLATION OF FCY 6,(4),827(75).	
Ca(p,absorption) σ(E)					
1961 IJI	J FCY 6	827	75 1.0+1 1.0+2	NEMETS+ TBL. CURV.	
	J SJPN 6	325	76 1.0+1 1.0+2	. TRANSLATION OF FCY 6,(4),827(1975).	
Ca(p,elastic) σ(E)					
1962 IJI	J FCY 6	827	75 1.1+1 2.2+1	NEMETS+ CURV.	
	J SJPN 6	325	76 1.1+1 2.2+1	. TRANSLATION OF FCY 6,(4),827(75).	
Sc(p,absorption) σ(E)					
1963 IJI	J FCY 6	827	75 6.8+0 9.9+1	NEMETS+ TBL.	
	J SJPN 6	325	76 6.8+0 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Ti(p,absorption) σ(E)					
1964 IJI	J FCY 6	827	75 9.2+0 9.9+1	NEMETS+ TBL.	
	J SJPN 6	325	76 9.2+0 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁴⁹Ti(p,absorption) σ(E)					
1965 IJI	J FCY 6	827	75 1.5+1	NEMETS+ TBL. FROM PR 157,1001(1957).	
	J SJPN 6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁰Ti(p,absorption) σ(E)					
1966 IJI	J FCY 6	827	75 6.1+1	NEMETS+ TBL. FROM PR/C 4,1114(1971).	
	J SJPN 6	325	76 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁰Ti(p,total) σ(E)					
1967 IJI	J FCY 6	827	75 NDG	NEMETS+ CURV. DEPENDENCE ON Z.	
	J SJPN 6	325	76 NDG	. TRANSLATION OF FCY 6,(4),827(1975).	
V(p,absorption) σ(E)					
1968 IJI	J FCY 6	827	75 8.8+0 1.0+2	NEMETS+ TBL.	
	J SJPN 6	325	76 8.8+0 1.0+2	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵¹V(p,absorption) σ(E)					
1969 IJI	J FCY 6	827	75 6.8+0 6.1+1	NEMETS+ TBL.	
	J SJPN 6	325	76 6.8+0 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵¹V(p,total) σ(E)					
1970 IJI	J FCY 6	827	75 NDG	NEMETS+ CURV. DEPENDENCE ON Z.	
	J SJPN 6	325	76 NDG	. TRANSLATION OF FCY 6,(4),827(1975).	
Cr(p,absorption) σ(E)					
1971 IJI	J FCY 6	827	75 2.8+1	NEMETS+ TBL. FROM PL 9,178(1964).	
	J SJPN 6	325	76 2.8+1	. TRANSLATION OF FCY 6,(4),827(1975).	

REVIEW REFERENCES(cont)

No. Lab	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
⁵²Cr(p,absorption) σ(E)					
1972 IJI	J FCY 6	827	75 6.1+1	NEMETS+ TBL FROM PR/C 4,1114(1971).	
	J SJPN 6	325	76 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵²Cr(p,total) σ(E)					
1973 IJI	J FCY 6	827	75 NDG	NEMETS+ CURV. DEPENDENCE ON Z.	
	J SJPN 6	325	76 NDG	. TRANSLATION OF FCY 6,(4),827(1975).	
Mn(p,absorption) σ(E)					
1974 IJI	J FCY 6	827	75 6.8+0	NEMETS+ TBL FROM NP 64,513(1964).	
	J SJPN 6	325	76 6.8+0	. TRANSLATION OF FCY 6,(4),827(1975).	
Fe(p,absorption) σ(E)					
1975 IJI	J FCY 6	827	75 8.9+0 9.9+1	NEMETS+ TBL.	
	J SJPN 6	325	76 8.9+0 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁴Fe(p,absorption) σ(E)					
1976 IJI	J FCY 6	827	75 1.5+1 6.1+1	NEMETS+ TBL.	
	J FCY 6	827	75 6.1+1	NEMETS+ CURV. DEPENDENCE ON A+(Z/3).	
	J SJPN 6	325	76 1.5+1 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁴Fe(p,total) σ(E)					
1977 IJI	J FCY 6	827	75 NDG	NEMETS+ CURV. DEPENDENCE ON Z.	
	J FCY 6	827	75 4.0+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J FCY 6	827	75 6.1+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 NDG	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁶Fe(p,absorption) σ(E)					
1978 IJI	J FCY 6	827	75 1.5+1 6.1+1	NEMETS+ TBL.	
	J FCY 6	827	75 6.1+1	NEMETS+ CURV. DEPENDENCE ON A+(Z/3).	
	J SJPN 6	325	76 1.5+1 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁶Fe(p,total) σ(E)					
1979 IJI	J FCY 6	827	75 9.9+0 1.0+2	NEMETS+ CURV. DEPENDENCE ON Z.	
	J FCY 6	827	75 4.0+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J FCY 6	827	75 6.1+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 9.9+0 1.0+2	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁷Fe(p,absorption) σ(E)					
1980 IJI	J FCY 6	827	75 1.5+1 6.1+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.5+1 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁷Fe(p,total) σ(E)					
1981 IJI	J FCY 6	827	75 4.0+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J FCY 6	827	75 6.1+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁸Fe(p,absorption) σ(E)					
1982 IJI	J FCY 6	827	75 1.5+1 6.1+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.5+1 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁸Fe(p,total) σ(E)					
1983 IJI	J FCY 6	827	75 1.4+1	NEMETS+ CURV. DEPENDENCE ON Z.	
	J FCY 6	827	75 4.0+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J FCY 6	827	75 6.1+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 1.4+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁹Co(p,absorption) σ(E)					
1984 IJI	J FCY 6	827	75 8.7+0 9.9+1	NEMETS+ TBL.	
	J SJPN 6	325	76 8.7+0 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁹Co(p,total) σ(E)					
1985 IJI	J FCY 6	827	75 2.7+1	NEMETS+ CURV. DEPENDENCE ON Z.	

REVIEW REFERENCES(cont)

Nc. Lab	Reference	Emin (MeV)	Emax (MeV)	Author, Comments	Branch, Particle and Modifier
⁵⁹Cu(p,total) σ(E)					
1985 IJI J	SJPN 6	325	76 2.7+1	TRANSLATION OF FCY 6,(4),827(1975).	
⁶¹Ni(p,absorption) σ(E)					
1986 IJI J	FCY 6	827	75 8.0+0 1.0+2	NEMETS+ CURV. TBL.	
	J SJPN 6	325	76 8.0+0 1.0+2	TRANSLATION OF FCY 6,(4),827(75).	
⁵²Ni(p,total) σ(E)					
1987 IJI J	SJPN 6	325	76 2.8+1	TRANSLATION OF FCY 6,(4),827(75).	
⁵⁶Ni(p,total) σ(E)					
1988 IJI J	FCY 6	827	75 1.0+1 1.0+2	NEMETS+ CURV. DEPENDENCE ON A.	
	J SJPN 6	325	76 1.0+1 1.0+2	TRANSLATION OF FCY 6,(4),827(75).	
⁵⁸Ni(p,absorption) σ(E)					
1989 IJI J	FCY 6	827	75 8.8+0 6.1+1	NEMETS+ TBL.	
	J FCY 6	827	75 6.1+1	NEMETS+ CURV. DEPENDENCE ON A+(2/3).	
	J SJPN 6	325	76 8.8+0 6.1+1	TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 6.1+1	TRANSLATION OF FCY 6,(4),827(75).	
⁵⁸Ni(p,total) σ(E)					
1990 IJI J	FCY 6	827	75 8.8+0 1.0+2	NEMETS+ CURV. DEPENDENCE ON A.	
	J FCY 6	827	75 9.9+0 1.0+2	NEMETS+ CURV. DEPENDENCE ON 2.	
	J FCY 6	827	75 1.5+1 6.1+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 8.8+0 1.0+2	TRANSLATION OF FCY 6,(4),827(75).	
	J SJPN 6	325	76 9.9+0 1.0+2	TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.5+1 6.1+1	TRANSLATION OF FCY 6,(4),827(75).	
⁵⁹Ni(p,total) σ(E)					
1991 IJI J	FCY 6	827	75 8.8+0 1.0+2	NEMETS+ CURV. DEPENDENCE ON A.	
	J SJPN 6	325	76 8.8+0 1.0+2	TRANSLATION OF FCY 6,(4),827(75).	
⁶⁰Ni(p,absorption) σ(E)					
1992 IJI J	FCY 6	827	75 8.8+0 6.1+1	NEMETS+ TBL.	
	J FCY 6	827	75 6.1+1	NEMETS+ CURV. DEPENDENCE ON A+(2/3).	
	J SJPN 6	325	76 8.8+0 6.1+1	TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 6.1+1	TRANSLATION OF FCY 6,(4),827(75).	
⁶⁰Ni(p,total) σ(E)					
1993 IJI J	FCY 6	827	75 1.5+1 6.1+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J FCY 6	827	75 2.7+1	NEMETS+ CURV. DEPENDENCE ON 2.	
	J SJPN 6	325	76 1.5+1 6.1+1	TRANSLATION OF FCY 6,(4),827(75).	
	J SJPN 6	325	76 2.7+1	TRANSLATION OF FCY 6,(4),827(1975).	
⁶²Ni(p,absorption) σ(E)					
1994 IJI J	FCY 6	827	75 1.5+1 6.1+1	NEMETS+ TBL.	
	J FCY 6	827	75 6.1+1	NEMETS+ CURV. DEPENDENCE ON A+(2/3).	
	J SJPN 6	325	76 1.5+1 6.1+1	TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 6.1+1	TRANSLATION OF FCY 6,(4),827(75).	
⁶²Ni(p,total) σ(E)					
1995 IJI J	FCY 6	827	75 1.4+1 2.5+1	NEMETS+ CURV. DEPENDENCE ON 2.	
	J FCY 6	827	75 1.5+1 6.1+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 1.4+1 2.5+1	TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.5+1 6.1+1	TRANSLATION OF FCY 6,(4),827(75).	
⁶²Ni(p,γ)⁶³Cu σ(E)					
1996 ALB C	74PETTEN 401	974	2.2+0 2.8+0	GARG. CURV. EG .GT. 3MEV. THETA=90 DEG.	EHM
⁶³Ni(p,total) σ(E)					
1997 IJI J	FCY 6	827	75 8.8+0 1.0+2	NEMETS+ CURV. DEPENDENCE ON A.	
	J SJPN 6	325	76 8.8+0 1.0+2	TRANSLATION OF FCY 6,(4),827(75).	
⁶⁴Ni(p,absorption) σ(E)					
1998 IJI J	FCY 6	827	75 4.0+1 6.1+1	NEMETS+ TBL. FROM PR/C 4,1114(1971).	
	J FCY 6	827	75 6.1+1	NEMETS+ CURV. DEPENDENCE ON A+(2/3).	
	J SJPN 6	325	76 4.0+1 6.1+1	TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 6.1+1	TRANSLATION OF FCY 6,(4),827(75).	
⁶⁴Ni(p,total) σ(E)					
1999 IJI J	FCY 6	827	75 8.8+0 1.0+2	NEMETS+ CURV. DEPENDENCE ON A.	
	J FCY 6	827	75 4.0+1	NEMETS+ CURV. DEPENDENCE ON N.	

REVIEW REFERENCES(cont)

No. Ref	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
⁶⁴Ni(p, total) σ(E)					
1499	111 J FCY 6	827	75 6.1+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 8.8+0 1.0+2	TRANSLATION OF FCY 6,(4),827(75).	
	J SJPN 6	325	76 4.0+1	TRANSLATION OF FCY 6,(4),827(75).	
	J SJPN 6	325	76 6.1+1	TRANSLATION OF FCY 6,(4),827(75).	
⁶⁴Ni(p, γ) ⁶⁵Cu σ(E)					
2000	AL W FOWLER	N76	5.0+0 1.1+1	FOWLER. CURV. HAUSER-FESHBACH.	
⁶⁴Ni(p, absorption) σ(E)					
1491	131 J FCY 6	827	75 8.8+0 1.3+2	NEMETS+ TBL. CURV.	
	J SJPN 6	325	76 8.8+0 1.3+2	TRANSLATION OF FCY 6,(4),827(1975).	
⁶⁴Ni(p, elastic) σ(E)					
2002	111 J FCY 6	827	75 8.0+0 1.7+1	NEMETS+ CURV.	
	J SJPN 6	325	76 8.0+0 1.7+1	TRANSLATION OF FCY 6,(4),827(75).	
⁶³Cu(p, absorption) σ(E)					
1492	111 J FCY 6	827	75 6.8+0 1.5+1	NEMETS+ TBL.	
	J SJPN 6	325	76 6.8+0 1.5+1	TRANSLATION OF FCY 6,(4),827(1975).	
⁶³Cu(p, total) σ(E)					
1494	111 J FCY 6	827	75 6.8+0 1.5+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J FCY 6	827	75 2.5+1 4.0+1	NEMETS+ CURV. DEPENDENCE ON Z.	
	J SJPN 6	325	76 6.8+0 1.5+1	TRANSLATION OF FCY 6,(4),827(75).	
	J SJPN 6	325	76 2.5+1 4.0+1	TRANSLATION OF FCY 6,(4),827(1975).	
⁶⁵Cu(p, absorption) σ(E)					
1495	111 J FCY 6	827	75 6.8+0 1.5+1	NEMETS+ TBL.	
	J SJPN 6	325	76 6.8+0 1.5+1	TRANSLATION OF FCY 6,(4),827(1975).	
⁶⁵Cu(p, total) σ(E)					
1496	111 J FCY 6	827	75 6.8+0 1.5+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J FCY 6	827	75 9.9+0	NEMETS+ CURV. DEPENDENCE ON Z.	
	J FCY 6	827	75 1.5+1	NEMETS+ CURV. DEPENDENCE ON Z.	
	J SJPN 6	325	76 6.8+0 1.5+1	TRANSLATION OF FCY 6,(4),827(75).	
	J SJPN 6	325	76 9.9+0	TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.5+1	TRANSLATION OF FCY 6,(4),827(1975).	
⁶⁶Zn(p, absorption) σ(E)					
1497	111 J FCY 6	827	75 8.8+0 9.9+1	NEMETS+ TBL.	
	J SJPN 6	325	76 8.8+0 9.9+1	TRANSLATION OF FCY 6,(4),827(1975).	
⁶⁴Zn(p, absorption) σ(E)					
1498	111 J FCY 6	827	75 1.5+1	NEMETS+ TBL. FROM PR 157,1001(1967).	
	J SJPN 6	325	76 1.5+1	TRANSLATION OF FCY 6,(4),827(1975).	
⁶⁴Zn(p, total) σ(E)					
1499	111 J FCY 6	827	75 1.5+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J FCY 6	827	75 2.5+1 4.0+1	NEMETS+ CURV. DEPENDENCE ON Z.	
	J SJPN 6	325	76 1.5+1	TRANSLATION OF FCY 6,(4),827(75).	
	J SJPN 6	325	76 2.5+1 4.0+1	TRANSLATION OF FCY 6,(4),827(1975).	
⁶⁶Zn(p, absorption) σ(E)					
2000	111 J FCY 6	827	75 9.9+0 1.5+1	NEMETS+ TBL. FROM PR 157,1001(1967).	
	J SJPN 6	325	76 9.9+0 1.5+1	TRANSLATION OF FCY 6,(4),827(1975).	
⁶⁶Zn(p, total) σ(E)					
2001	111 J FCY 6	827	75 NDG	NEMETS+ CURV. DEPENDENCE ON (N-Z)/A.	
	J FCY 6	827	75 1.4+1	NEMETS+ CURV. DEPENDENCE ON Z.	
	J FCY 6	827	75 1.5+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J FCY 6	827	75 2.7+1	NEMETS+ CURV. DEPENDENCE ON Z.	
	J SJPN 6	325	76 NDG	TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.4+1	TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.5+1	TRANSLATION OF FCY 6,(4),827(75).	
	J SJPN 6	325	76 2.7+1	TRANSLATION OF FCY 6,(4),827(1975).	
⁶⁸Zn(p, absorption) σ(E)					
2002	111 J FCY 6	827	75 1.5+1 6.1+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.5+1 6.1+1	TRANSLATION OF FCY 6,(4),827(1975).	

REVIEW REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
⁶⁸Zn(p, total) σ(E)					
2013 IJI	J FCY 6	827	75 NDG	NEMETS+ CURV. DEPENDENCE ON (N-2)/A.	
	J FCY 6	827	75 1.5+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 NDG	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁷⁰Zn(p, total) σ(E)					
2014 IJI	J FCY 6	827	75 NDG	NEMETS+ CURV. DEPENDENCE ON (N-2)/A.	
	J SJPN 6	325	76 NDG	. TRANSLATION OF FCY 6,(4),827(1975).	
Ge(p, absorption) σ(E)					
2015 IJI	J FCY 6	827	75 8.8+0	NEMETS+ TBL. FROM NP 69,536(1965).	
	J SJPN 6	325	76 8.8+0	. TRANSLATION OF FCY 6,(4),827(1975).	
Ge(p, absorption) σ(E)					
2016 IJI	J FCY 6	827	75 2.9+1	NEMETS+ TBL. FROM PL 9,178(1964).	
	J SJPN 6	325	76 2.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Zr(p, absorption) σ(E)					
2017 IJI	J FCY 6	827	75 9.2+0 1.0+2	NEMETS+ CURV. TBL.	
	J SJPN 6	325	76 9.2+0 1.0+2	. TRANSLATION OF FCY 6,(4),827(1975).	
⁹⁰Zr(p, absorption) σ(E)					
2018 IJI	J FCY 6	827	75 1.5+1 6.1+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.5+1 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁹⁰Zr(p, total) σ(E)					
2019 IJI	J FCY 6	827	75 1.5+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J FCY 6	827	75 6.1+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁹¹Zr(p, absorption) σ(E)					
2020 IJI	J FCY 6	827	75 1.5+1	NEMETS+ TBL. FROM PR 157,1001(1967).	
	J SJPN 6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁹¹Zr(p, total) σ(E)					
2021 IJI	J FCY 6	827	75 1.5+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁹²Zr(p, absorption) σ(E)					
2022 IJI	J FCY 6	827	75 1.5+1	NEMETS+ TBL. FROM PR 157,1001(1967).	
	J SJPN 6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁹²Zr(p, total) σ(E)					
2023 IJI	J FCY 6	827	75 1.5+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁹⁴Zr(p, absorption) σ(E)					
2024 IJI	J FCY 6	827	75 1.5+1	NEMETS+ TBL. FROM PR 157,1001(1967).	
	J SJPN 6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁹⁴Zr(p, total) σ(E)					
2025 IJI	J FCY 6	827	75 1.5+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁹⁶Zr(p, absorption) σ(E)					
2026 IJI	J FCY 6	827	75 6.1+1	NEMETS+ TBL. FROM PR/C 4,1114(1971).	
	J SJPN 6	325	76 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁹⁶Zr(p, total) σ(E)					
2027 IJI	J FCY 6	827	75 6.1+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Hb(p, absorption) σ(E)					
2028 IJI	J FCY 6	827	75 1.0+1 9.9+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.0+1 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Ho(p, absorption) σ(E)					
2029 IJI	J FCY 6	827	75 1.0+1 9.9+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.0+1 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	

REVIEW REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
Rh(p,absorption) σ(E)					
2030 IJI	J FCY 6	827	75 1.0+1	NEMETS+ TBL. FROM PR 129,2198(1963).	
	J SJPN 6	325	76 1.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Pd(p,absorption) σ(E)					
2031 IJI	J FCY 6	827	75 9.9+1	NEMETS+ TBL. FROM CJP 44,1847(1966).	
	J SJPN 6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Ag(p,absorption) σ(E)					
2032 IJI	J FCY 6	827	75 9.7+0 9.9+1	NEMETS+ TBL.	
	J SJPN 6	325	76 9.7+0 9.9+1	. TRANSLATION OF FCY 6,(4),327(1975).	
Cd(p,absorption) σ(E)					
2033 IJI	J FCY 6	827	75 9.9+0 1.3+2	NEMETS+ TBL.	
	J SJPN 6	325	76 9.9+0 1.3+2	. TRANSLATION OF FCY 6,(4),827(1975).	
In(p,absorption) σ(E)					
2034 IJI	J FCY 6	827	75 9.3+0 9.9+1	NEMETS+ TBL.	
	J SJPN 6	325	76 9.3+0 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Sn(p,absorption) σ(E)					
2035 IJI	J FCY 6	827	75 1.0+1 1.0+2	NEMETS+ CURV.	
	J FCY 6	827	75 1.0+1 9.9+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.0+1 1.0+2	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.0+1 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
¹¹⁶Sn(p,absorption) σ(E)					
2036 IJI	J FCY 6	827	75 1.5+1 6.1+1	NEMETS+ TBL.	
	J FCY 6	827	75 1.5+1 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
¹¹⁶Sn(p,total) σ(E)					
2037 IJI	J FCY 6	827	75 1.5+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
¹¹⁷Sn(p,absorption) σ(E)					
2038 IJI	J FCY 6	827	75 1.5+1	NEMETS+ TBL. FROM PR 157,1001(1967).	
	J SJPN 6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
¹¹⁸Sn(p,absorption) σ(E)					
2039 IJI	J FCY 6	827	75 1.5+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
¹¹⁹Sn(p,absorption) σ(E)					
2040 IJI	J FCY 6	827	75 1.5+1	NEMETS+ TBL. FROM PR 157,1001(1967).	
	J SJPN 6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
¹²⁰Sn(p,absorption) σ(E)					
2041 IJI	J FCY 6	827	75 1.5+1 5.0+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.5+1 5.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
¹⁷⁶Sn(p,total) σ(E)					
2042 IJI	J FCY 6	827	75 1.5+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
¹⁸⁶Sn(p,total) σ(E)					
2043 IJI	J FCY 6	827	75 1.5+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
¹⁹⁶Sn(p,total) σ(E)					
2044 IJI	J FCY 6	827	75 1.5+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
²⁰⁶Sn(p,total) σ(E)					
2045 IJI	J FCY 6	827	75 1.5+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Sb(p,absorption) σ(E)					
2046 IJI	J FCY 6	827	75 1.3+2	NEMETS+ TBL. FROM PPS 67,125(1954).	
	J SJPN 6	325	76 1.3+2	. TRANSLATION OF FCY 6,(4),827(1975).	

REVIEW REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
La(p,absorption) σ(E)					
2047	IJI J FCY 6	827	75 9.9+1	NEMETS+ TBL. FROM CJP 44,1847(1966).	
	J SJPN 6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Pr(p,absorption) σ(E)					
2048	IJI J FCY 6	827	75 9.9+1	NEMETS+ TBL. FROM CJP 44,1847(1966).	
	J SJPN 6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Nd(p,absorption) σ(E)					
2049	IJI J FCY 6	827	75 9.9+1	NEMETS+ TBL. FROM CJP 44,1847(1966).	
	J SJPN 6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Eu(p,absorption) σ(E)					
2050	IJI J FCY 6	827	75 9.9+1	NEMETS+ TBL. FROM CJP 44,1847(1966).	
	J SJPN 6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Gd(p,absorption) σ(E)					
2051	IJI J FCY 6	827	75 9.8+1	NEMETS+ TBL. FROM CJP 44,1847(1966).	
	J SJPN 6	325	76 9.8+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Tb(p,absorption) σ(E)					
2052	IJI J FCY 6	827	75 9.9+1	NEMETS+ TBL. FROM CJP 44,1847(1966).	
	J SJPN 6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Dy(p,absorption) σ(E)					
2053	IJI J FCY 6	827	75 9.8+1	NEMETS+ TBL. FROM CJP 44,1847(1966).	
	J SJPN 6	325	76 9.8+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Ho(p,absorption) σ(E)					
2054	IJI J FCY 6	827	75 9.9+1	NEMETS+ TBL. FROM CJP 44,1847(1966).	
	J SJPN 6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
¹⁵⁷Ho(p,Sn)¹⁵³Er σ(E)					
2055	PAR J JPRC 37	57	N76 5.1+1 7.1+1	LEFORT. CURV.	FCT
Tm(p,absorption) σ(E)					
2056	IJI J FCY 6	827	75 9.9+1	NEMETS+ TBL. FROM CJP 44,1847(1966).	
	J SJPN 6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Hf(p,absorption) σ(E)					
2057	IJI J FCY 6	827	75 9.9+1	NEMETS+ TBL. FROM CJP 44,1847(1966).	
	J SJPN 6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Ta(p,absorption) σ(E)					
2058	IJI J FCY 6	827	75 1.0+1 9.8+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.0+1 9.8+1	. TRANSLATION OF FCY 6,(4),827(1975).	
W(p,absorption) σ(E)					
2059	IJI J FCY 6	827	75 9.9+1	NEMETS+ TBL. FROM CJP 44,1847(1966).	
	J SJPN 6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Re(p,absorption) σ(E)					
2060	IJI J FCY 6	827	75 9.9+1	NEMETS+ TBL. FROM CJP 44,1847(1966).	
	J SJPN 6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Pt(p,absorption) σ(E)					
2061	IJI J FCY 6	827	75 9.9+1	NEMETS+ TBL. FROM CJP 44,1847(1966).	
	J SJPN 6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Au(p,absorption) σ(E)					
2062	IJI J FCY 6	827	75 9.9+0 9.9+1	NEMETS+ TBL.	
	J SJPN 6	325	76 9.9+0 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Tl(p,absorption) σ(E)					
2063	IJI J FCY 6	827	75 1.0+2	NEMETS+ TBL. FROM CJP 44,1847(1966).	
	J SJPN 6	325	76 1.0+2	. TRANSLATION OF FCY 6,(4),827(1975).	
Pb(p,absorption) σ(E)					
2064	IJI J FCY 6	827	75 9.9+0 9.9+1	NEMETS+ TBL.	
	J SJPN 6	325	76 9.9+0 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	

REVIEW REFERENCES(cont)

No. Lab	Reference	Emin (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
²⁰⁸Pb(p,absorption) σ(E)					
2065	IJI J FCY 6 827	75	2.9+1 6.1+1	NEMETS+ TBL.	
	J SJPN 6 325	76	2.9+1 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
²⁰⁹Bi(p,fission)Fission fragments fission yield					
2066	TUE J ZP/A 278 15	76	3.2+1	GONNENWEIN+ CURV AS FUNCTION OF FF MASS	PRD
²²⁶Ra(p,fission)Fission fragments fission yield					
2067	TUE J ZP/A 278 15	76	1.3+1	GONNENWEIN+ CURV AS FUNCTION OF FF MASS	PRD
Th(p,absorption) σ(E)					
2068	IJI J FCY 6 827	75	9.8+0 9.9+1	NEMETS+ TBL.	
	J SJPN 6 325	76	9.8+0 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
²³²Th(p,fission)¹¹³Ag σ(E)					
2069	CCP R YK- 18 3	75	5.0+0 1.0+2	LBOV+ CURV. RATIO AG113/BA139.	FCT
	R INDC(CCP)-70 2 176	NDG		.TRANSLATION OF ABSTRACT OF YK-18,3(75)	FCT
²³²Th(p,fission)¹³⁹Ba σ(E)					
2070	CCP R YK- 18 3	75	5.0+0 1.0+2	LBOV+ CURV. RATIO AG113/BA139.	FCT
	R INDC(CCP)-70 2 176	NDG		.TRANSLATION OF ABSTRACT OF YK-18,3(75)	FCT
²³²Th(p,fission)Fission fragments fission yield					
2071	CCP R YK- 18 3	75	6.7+0 1.0+2	LBOV+ TBL. A=72-140. Z=31-57.	PRD
	R YK- 18 3	75	9.3+0	LBOV+ CURV. A=77-160.	PRD
	R INDC(CCP)-70 2 176	NDG		.TRANSLATION OF ABSTRACT OF YK-18,3(75)	PRD
^U(p,absorption) σ(E)					
2072	IJI J FCY 6 827	75	9.9+1	NEMETS+ TBL. FROM CJP 44,1847(1966).	
	J SJPN 6 325	76	9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
²³³U(p,fission)Fission fragments fission yield					
2073	CCP R YK- 18 3	75	2.0+1 8.5+1	LBOV+ TBL. A=129-138. Z=53,54,55.	PRD
	R INDC(CCP)-70 2 176	NDG		.TRANSLATION OF ABSTRACT OF YK-18,3(75)	PRD
²³⁵U(p,fission)Fission fragments fission yield					
2074	CCP R YK- 18 3	75	1.2+1 8.5+1	LBOV+ TBL. A=75-159. Z=34-54.	PRD
	R INDC(CCP)-70 2 176	NDG		.TRANSLATION OF ABSTRACT OF YK-18,3(75)	PRD
²³⁸U(p,fission)¹¹³Ag σ(E)					
2075	CCP R YK- 18 3	75	5.0+0 1.0+2	LBOV+ CURV. RATIO AG113/BA139.	FCT
	R INDC(CCP)-70 2 176	NDG		.TRANSLATION OF ABSTRACT OF YK-18,3(75)	FCT
²³⁸U(p,fission)¹³⁹Ba σ(E)					
2076	CCP R YK- 18 3	75	5.0+0 1.0+2	LBOV+ CURV. RATIO AG113/BA139.	FCT
	R INDC(CCP)-70 2 176	NDG		.TRANSLATION OF ABSTRACT OF YK-18,3(75)	FCT
²³⁸U(p,fission)Fission fragments fission yield					
2077	CCP R YK- 18 3	75	7.1+0 1.0+2	LBOV+ TBL. A=72-161. Z=31-63.	PRD
	R YK- 18 3	75	7.1+0	LBOV+ CURV. A=84-155.	PRD
	R INDC(CCP)-70 2 176	NDG		.TRANSLATION OF ABSTRACT OF YK-18,3(75)	PRD
2078	TUE J ZP/A 278 15	76	1.2+1	GONNENWEIN+ CURV AS FUNCTION OF FF MASS	PRD
	J ZP/A 278 15	76	2.2+1	GONNENWEIN+ CURV AS FUNCTION OF FF MASS	PRD
²³⁹Pu(p,fission)¹¹³Ag σ(E)					
2079	CCP R YK- 18 3	75	5.0+0 1.0+2	LBOV+ CURV. RATIO AG113/BA139.	FCT
	R INDC(CCP)-70 2 176	NDG		.TRANSLATION OF ABSTRACT OF YK-18,3(75)	FCT
²³⁹Pu(p,fission)¹³⁹Ba fission yield					
2080	CCP R YK- 18 3	75	2.0+1 8.5+1	LBOV+ TBL.	
	R INDC(CCP)-70 2 176	NDG		.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁹Pu(p,fission)¹²⁹Cs fission yield					
2081	CCP R YK- 18 3	75	2.0+1 8.5+1	LBOV+ TBL.	
	R INDC(CCP)-70 2 176	NDG		.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁹Pu(p,fission)¹³⁰Cs fission yield					
2082	CCP R YK- 18 3	75	2.0+1 8.5+1	LBOV+ TBL.	
	R INDC(CCP)-70 2 176	NDG		.TRANSLATION OF ABSTRACT OF YK-18,3(75)	

REVIEW REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
²³⁹Pu(p,fission)¹³¹Cs fission yield					
2083 CCP R YK- 18	3	75	2.0+1 8.5+1	LBOV+ TBL.	
R INDC(CCP)-70	2	176	NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁹Pu(p,fission)¹³²Cs fission yield					
2084 CCP R YK- 18	3	75	2.0+1 8.5+1	LBOV+ TBL.	
R INDC(CCP)-70	2	176	NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁹Pu(p,fission)¹³⁴Cs fission yield					
2085 CCP R YK- 18	3	75	2.0+1 8.5+1	LBOV+ TBL.	
R INDC(CCP)-70	2	176	NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁹Pu(p,fission)^{134m}Cs fission yield					
2086 CCP R YK- 18	3	75	2.0+1 8.5+1	LBOV+ TBL.	
R INDC(CCP)-70	2	176	NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁹Pu(p,fission)¹³⁶Cs fission yield					
2087 CCP R YK- 18	3	75	2.0+1 8.5+1	LBOV+ TBL.	
R INDC(CCP)-70	2	176	NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁹Pu(p,fission)¹³⁸Cs fission yield					
2088 CCP R YK- 18	3	75	2.0+1 8.5+1	LBOV+ TBL.	
R INDC(CCP)-70	2	176	NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁹Pu(p,fission)¹³⁹Be σ(E)					
2089 CCP R YK- 18	3	75	5.0+0 1.0+2	LBOV+ CURV. RATIO AG113/BA139.	FCT
R INDC(CCP)-70	2	176	NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	FCT
Systematics(p,absorption) σ(E)					
2090 IJI J FCY	6	827	75 9.9+0 1.3+2	NEMETS+ TBL. Z=4 TO 92.	
J FCY	6	827	75 9.9+1	NEMETS+ CURV. DEPENDENCE ON A**(2/3).	
J SJPN	6	325	76 9.9+0 1.3+2	. TRANSLATION OF FCY 6,(4),827(1975).	
J SJPN	6	325	76 9.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Systematics(p,total) σ(E)					
2091 IJI J FCY	6	827	75 6.8+0 6.1+1	NEMETS+ CURV. DEPENDENCE ON N FOR Z>=26	
J FCY	6	827	75 8.8+0 1.0+2	NEMETS+ CURV. DEPENDENCE ON A FOR N1.	
J FCY	6	827	75 8.8+0 1.0+2	NEMETS+ CURV. DEPENDENCE ON Z FOR N>=28	
J SJPN	6	325	76 6.8+0 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
J SJPN	6	325	76 8.8+0 1.0+2	. TRANSLATION OF FCY 6,(4),827(1975).	
J SJPN	6	325	76 8.8+0 1.0+2	. TRANSLATION OF FCY 6,(4),827(1975).	
Be(d,absorption) σ(E)					
2092 IJI J FCY	6	827	75 2.2+1 2.5+1	NEMETS+ TBL.	
J SJPN	6	325	76 2.2+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
B(d,absorption) σ(E)					
2093 IJI J FCY	6	827	75 1.3+1 2.5+1	NEMETS+ TBL.	
J SJPN	6	325	76 1.3+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
C(d,absorption) σ(E)					
2094 IJI J FCY	6	827	75 1.1+0	NEMETS+ TBL. FROM AIP 15,329(1966).	
J SJPN	6	325	76 1.1+0	. TRANSLATION OF FCY 6,(4),827(1975).	
N(d,absorption) σ(E)					
2095 IJI J FCY	6	827	75 2.5+1	NEMETS+ TBL. FROM NP 62,393(1965).	
J SJPN	6	325	76 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Mg(d,absorption) σ(E)					
2096 IJI J FCY	6	827	75 1.3+1 2.5+1	NEMETS+ TBL.	
J SJPN	6	325	76 1.3+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
²⁷Al(d,absorption) σ(E)					
2097 IJI J FCY	6	827	75 2.2+1 2.5+1	NEMETS+ TBL.	
J SJPN	6	325	76 2.2+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Ti(d,absorption) σ(E)					
2098 IJI J FCY	6	827	75 2.2+1 2.5+1	NEMETS+ TBL.	
J SJPN	6	325	76 2.2+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	

REVIEW REFERENCES(cont)

No. Lab	Reference	Emin (MeV)	E _{max} (MeV)	Authr., Comments	Branch, Particle and Modifier
V(d,absorption) σ(E)					
2099 IJI	J FCY 6	827	75 1.3+1 2.5+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.3+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Fe(d,absorption) σ(E)					
2100 IJI	J FCY 6	827	75 1.7+1 2.5+1	NEMETS+ TBL.	
	J FCY 6	827	75 1.4+1	NEMETS+ CURV. DEPENDENCE ON (N-Z)/A.	
	J SJPN 6	325	76 1.3+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.4+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁶Fe(d,total) σ(E)					
2101 IJI	J FCY 6	827	75 5.0+0 4.5+1	NEMETS+ CURV.	
	J FCY 6	827	75 1.4+1 2.5+1	NEMETS+ CURV. DEPENDENCE ON Z.	
	J SJPN 6	325	76 5.0+0 4.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.4+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Co(d,absorption) σ(E)					
2102 IJI	J FCY 6	827	75 1.4+1	NEMETS+ CURV. DEPENDENCE ON (N-Z)/A.	
	J SJPN 6	325	76 1.4+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁹Co(d,absorption) σ(E)					
2103 IJI	J FCY 6	827	75 1.1+1 1.3+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.1+1 1.3+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁹Co(d,total) σ(E)					
2104 IJI	J FCY 6	827	75 8.8+0 6.1+1	NEMETS+ CURV. DEPENDENCE ON Z.	
	J SJPN 6	325	76 8.8+0 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁶³Co(d,total) σ(E)					
2105 IJI	J FCY 6	827	75 1.5+1 6.1+1	NEMETS+ CURV. DEPENDENCE ON Z.	
	J SJPN 6	325	76 1.5+1 6.1+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Ni(d,absorption) σ(E)					
2106 IJI	J FCY 6	827	75 1.1+1 1.3+1	NEMETS+ TBL.	
	J FCY 6	827	75 1.4+1	NEMETS+ CURV. DEPENDENCE ON (N-Z)/A.	
	J SJPN 6	325	76 1.1+1 1.3+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.4+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁸Ni(d,total) σ(E)					
2107 IJI	J FCY 6	827	75 1.4+1	NEMETS+ CURV. DEPENDENCE ON A.	
	J SJPN 6	325	76 1.4+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁸Ni(d,absorption) σ(E)					
2108 IJI	J FCY 6	827	75 1.0+1 1.4+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.0+1 1.4+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁸Ni(d,total) σ(E)					
2109 IJI	J FCY 6	827	75 1.1+1 1.4+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J FCY 6	827	75 1.4+1 2.5+1	NEMETS+ CURV. DEPENDENCE ON A AND Z.	
	J SJPN 6	325	76 1.1+1 1.4+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.4+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁹Ni(d,total) σ(E)					
2110 IJI	J FCY 6	827	75 1.4+1	NEMETS+ CURV. DEPENDENCE ON A.	
	J FCY 6	827	75 2.5+1	NEMETS+ CURV. DEPENDENCE ON A.	
	J SJPN 6	325	76 1.4+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁶⁰Ni(d,absorption) σ(E)					
2111 IJI	J FCY 6	827	75 1.4+1	NEMETS+ CURV. DEPENDENCE ON (N-Z)/A.	
	J FCY 6	827	75 1.4+1	NEMETS+ TBL. FROM L. V. DUBAR.	
	J SJPN 6	325	76 1.4+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.4+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁶⁰Ni(d,total) σ(E)					
2112 IJI	J FCY 6	827	75 1.1+1 1.4+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J FCY 6	827	75 1.5+1	NEMETS+ CURV. DEPENDENCE ON Z.	
	J SJPN 6	325	76 1.1+1 1.4+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	

REVIEW REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
⁶³Ni(d,total) σ(E)					
2113 IJI	J FCY 6	827	75 1.4+1 2.5+1	NEMETS+ CURV. DEPENDENCE ON A.	
	J SJPN 6	325	76 1.4+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(75).	
⁶⁴Ni(d,absorption) σ(E)					
2114 IJI	J FCY 6	827	75 1.1+1 2.5+1	NEMETS+ TBL.	
	J FCY 6	827	75 1.4+1	NEMETS+ CURV. DEPENDENCE ON (N-Z)/A.	
	J SJPN 6	325	76 1.1+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.4+1	. TRANSLATION OF FCY 6,(4),827(75).	
⁶⁴Ni(d,total) σ(E)					
2115 IJI	J FCY 6	827	75 1.4+1 2.5+1	NEMETS+ CURV. DEPENDENCE ON A.	
	J SJPN 6	325	76 1.4+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(75).	
⁶⁴Ni(d,absorption) σ(E)					
2116 IJI	J FCY 6	827	75 1.3+1 2.5+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.3+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁶³Cu(d,absorption) σ(E)					
2117 IJI	J FCY 6	827	75 1.1+1 1.3+1	NEMETS+ TBL.	
	J FCY 6	827	75 1.4+1	NEMETS+ CURV. DEPENDENCE ON (N-Z)/A.	
	J SJPN 6	325	76 1.1+1 1.3+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.4+1	. TRANSLATION OF FCY 6,(4),827(75).	
⁶³Cu(d,total) σ(E)					
2118 IJI	J FCY 6	827	75 8.8+0 1.0+2	NEMETS+ CURV. DEPENDENCE ON Z.	
	J FCY 6	827	75 1.1+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J FCY 6	827	75 1.4+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6	325	76 8.8+0 1.0+2	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.1+1	. TRANSLATION OF FCY 6,(4),827(75).	
	J SJPN 6	325	76 1.4+1	. TRANSLATION OF FCY 6,(4),827(75).	
⁶⁵Cu(d,absorption) σ(E)					
2119 IJI	J FCY 6	827	75 1.1+1 2.5+1	NEMETS+ TBL.	
	J FCY 6	827	75 1.4+1	NEMETS+ CURV. DEPENDENCE ON (N-Z)/A.	
	J SJPN 6	325	76 1.1+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.4+1	. TRANSLATION OF FCY 6,(4),827(75).	
⁶⁵Cu(d,total) σ(E)					
2120 IJI	J FCY 6	827	75 1.1+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J FCY 6	827	75 1.4+1	NEMETS+ CURV. DEPENDENCE ON N AND Z.	
	J SJPN 6	325	76 1.1+1	. TRANSLATION OF FCY 6,(4),827(75).	
	J SJPN 6	325	76 1.4+1	. TRANSLATION OF FCY 6,(4),827(75).	
⁶⁶Zn(d,absorption) σ(E)					
2121 IJI	J FCY 6	827	75 1.2+1 2.5+1	NEMETS+ TBL.	
	J FCY 6	827	75 1.4+1	NEMETS+ CURV. DEPENDENCE ON (N-Z)/A.	
	J SJPN 6	325	76 1.2+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.4+1	. TRANSLATION OF FCY 6,(4),827(75).	
⁶⁴Zn(d,total) σ(E)					
2122 IJI	J FCY 6	827	75 8.8+0 2.5+1	NEMETS+ CURV. DEPENDENCE ON Z.	
	J SJPN 6	325	76 8.8+0 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁹⁰Zr(d,absorption) σ(E)					
2123 IJI	J FCY 6	827	75 1.2+1 2.2+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.2+1 2.2+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁹⁰Nb(d,absorption) σ(E)					
2124 IJI	J FCY 6	827	75 2.2+1 2.5+1	NEMETS+ TBL.	
	J SJPN 6	325	76 2.2+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁹⁰Rh(d,absorption) σ(E)					
2125 IJI	J FCY 6	827	75 2.2+1 2.5+1	NEMETS+ TBL.	
	J SJPN 6	325	76 2.2+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
¹⁰⁷Ag(d,absorption) σ(E)					
2126 IJI	J FCY 6	827	75 1.4+1 2.5+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.4+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	

REVIEW REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
Sn(d,absorption) σ(E)					
2127 IJI	J FCY 6	827	75 1.3+1 2.5+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.3+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Ta(d,absorption) σ(E)					
2128 IJI	J FCY 6	827	75 2.2+1 2.5+1	NEMETS+ TBL.	
	J SJPN 6	325	76 2.2+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Au(d,absorption) σ(E)					
2129 IJI	J FCY 6	827	75 2.2+1 2.5+1	NEMETS+ TBL.	
	J SJPN 6	325	76 2.2+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Pb(d,absorption) σ(E)					
2130 IJI	J FCY 6	827	75 2.2+1 2.5+1	NEMETS+ TBL.	
	J SJPN 6	325	76 2.2+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Bi(d,absorption) σ(E)					
2131 IJI	J FCY 6	827	75 1.3+1 2.2+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.3+1 2.2+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Th(d,absorption) σ(E)					
2132 IJI	J FCY 6	827	75 2.2+1	NEMETS+ TBL. FROM PL 3,48(1962).	
	J SJPN 6	325	76 2.2+1	. TRANSLATION OF FCY 6,(4),827(1975).	
²³²Th(d,fission)Fission fragments fission yield					
2133 CCP	R YK- 18	3	75 9.3+0 1.4+1	LBOV+ TBL. A=82-156. Z = 35-63.	PRD
	R INDC(CCP)-70	2	176 NOG	. TRANSLATION OF ABSTRACT OF YK-18,3(75)	PRD
²³³U(d,fission)Fission fragments fission yield					
2134 CCP	R YK- 18	3	75 9.0+0 2.3+1	LBOV+ TBL. A=89-159. Z = 35-64.	PRD
	R INDC(CCP)-70	2	176 NOG	. TRANSLATION OF ABSTRACT OF YK-18,3(75)	PRD
²³⁵U(d,fission)⁸⁵Kr fission yield					
2135 CCP	R YK- 18	3	75 9.3+0	LBOV+ TBL.	
	R YK- 18	3	75 1.4+1	LBOV+ TBL.	
	R INDC(CCP)-70	2	176 NOG	. TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁵U(d,fission)⁸⁷Kr fission yield					
2136 CCP	R YK- 18	3	75 9.3+0	LBOV+ TBL.	
	R YK- 18	3	75 1.4+1	LBOV+ TBL.	
	R INDC(CCP)-70	2	176 NOG	. TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁵U(d,fission)⁸⁸Kr fission yield					
2137 CCP	R YK- 18	3	75 9.3+0	LBOV+ TBL.	
	R YK- 18	3	75 1.4+1	LBOV+ TBL.	
	R INDC(CCP)-70	2	176 NOG	. TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁸U(d,fission)Fission fragments fission yield					
2138 CCP	R YK- 18	3	75 5.0+0 1.0+2	LBOV+ TBL. A=72-159. Z=30-64.	PRD
	R INDC(CCP)-70	2	176 NOG	. TRANSLATION OF ABSTRACT OF YK-18,3(75)	PRD
²³⁹Pu(d,fission)Fission fragments fission yield					
2139 CCP	R YK- 18	3	75 9.2+0 2.3+1	LBOV+ CURV. A=70-165.	PRD
	R INDC(CCP)-70	2	176 NOG	. TRANSLATION OF ABSTRACT OF YK-18,3(75)	PRD
Systematics(d,absorption) σ(E)					
2140 IJI	J FCY 6	827	75 1.1+0 2.5+1	NEMETS+ TBL. Z=4 TO 90.	
	J FCY 6	827	75 1.4+1	NEMETS+ CURV. DEPENDENCE ON (N-2)/A.	
	J FCY 6	827	75 2.5+1	NEMETS+ CURV. DEPENDENCE ON A**(2/3).	
	J SJPN 6	325	76 1.1+0 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.4+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Systematics(d,total) σ(E)					
2141 IJI	J FCY 6	827	75 1.1+1 1.4+1	NEMETS+ CURV. DEPENDENCE ON N FOR Z>=26	
	J FCY 6	827	75 1.4+1 2.5+1	NEMETS+ CURV. DEPENDENCE ON A FOR N1.	
	J FCY 6	827	75 1.4+1 2.5+1	NEMETS+ CURV. DEPENDENCE ON Z FOR N>=28	
	J SJPN 6	325	76 1.1+1 1.4+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.4+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 1.4+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	

REVIEW REFERENCES(cont)

No. Lab	Reference	Emin (MeV)	Emax (MeV)	Author, Comments	Branch, Particle and Modifier
Mg(³He, total) σ(E)					
2142	IJI J FCY 6	827	75 2.9+1	NEMETS+ TBL. FROM PL/B 26,213(1968).	
	J SJPN 6	325	76 2.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
²⁷Al(³He, total) σ(E)					
2143	IJI J FCY 6	827	75 2.9+1	NEMETS+ TBL. FROM PL/B 26,213(1968).	
	J SJPN 6	325	76 2.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Fe(³He, total) σ(E)					
2144	IJI J FCY 6	827	75 2.8+1	NEMETS+ TBL. FROM PL/B 26,213(1968).	
	J SJPN 6	325	76 2.8+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Ni(³He, total) σ(E)					
2145	IJI J FCY 6	827	75 2.9+1	NEMETS+ TBL. FROM PL/B 26,213(1968).	
	J SJPN 6	325	76 2.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁸Ni(³He, total) σ(E)					
2146	IJI J FCY 6	827	75 2.9+1	NEMETS+ CURV. DEPENDENCE ON A.	
	J SJPN 6	325	76 2.9+1	. TRANSLATION OF FCY 6,(4),827(75).	
⁵⁸Ni(³He, total) σ(E)					
2147	IJI J FCY 6	827	75 2.9+1	NEMETS+ CURV. DEPENDENCE ON A.	
	J SJPN 6	325	76 2.9+1	. TRANSLATION OF FCY 6,(4),827(75).	
⁶³Ni(³He, total) σ(E)					
2148	IJI J FCY 6	827	75 2.9+1	NEMETS+ CURV. DEPENDENCE ON A.	
	J SJPN 6	325	76 2.9+1	. TRANSLATION OF FCY 6,(4),827(75).	
Cu(³He, total) σ(E)					
2149	IJI J FCY 6	827	75 2.9+1	NEMETS+ TBL. FROM PL/B 26,213(1968).	
	J SJPN 6	325	76 2.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Ag(³He, total) σ(E)					
2150	IJI J FCY 6	827	75 2.9+1	NEMETS+ TBL. FROM PL/B 26,213(1968).	
	J SJPN 6	325	76 2.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
²²⁶Ra(³He, d+fission) σ(E)					
2151	TUE J 2P/A 278	15	76 7.0+0 1.4+1	GONNENWEIN+ CURV OF FISSION PROBABILITY	FCT
²³⁸U(³He, fission) fission fragments fission yield					
2152	CCP R YK- 18	3	75 3.1+1	LBOV+ TBL. A=24-212. Z=11-82.	PRD
	R INDC(CCP)-70 2	176	NDG	. TRANSLATION OF ABSTRACT OF YK-18,3(75)	PRD
Systematics(³He, absorption) σ(E)					
2153	IJI J FCY 6	827	75 2.9+1	NEMETS+ CURV. DEPENDENCE ON A** (2/3).	
	J SJPN 6	325	76 2.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Systematics(³He, total) σ(E)					
2154	IJI J FCY 6	827	75 2.9+1 2.9+1	NEMETS+ TBL. Z=12-47. FROM PL/B 26,213	
	J FCY 6	827	75 2.9+1	NEMETS+ CURV. DEPENDENCE ON A FOR NI.	
	J SJPN 6	325	76 2.9+1 2.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6	325	76 2.9+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Be(α, total) σ(E)					
2155	IJI J FCY 6	827	75 4.0+1	NEMETS+ TBL. FROM PR 131,1251(1963).	
	J SJPN 6	325	76 4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁹Be(α, n)¹²C σ(E)					
2156	OTC J NIM 131	315	D75 TR	7.8+0 GEIGER+ CURV. EX = 4.44,7.65,9.64MEV.	PAR
⁹Be(α, n)¹²C σ(E)					
2157	OTC J NIM 131	315	D75 TR	7.8+0 GEIGER+ CURV.	PAR
C(α, total) σ(E)					
2158	IJI J FCY 6	827	75 1.6+1 4.0+1	NEMETS+ TBL.	
	J SJPN 6	325	76 1.6+1 4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
¹²C(α, absorption) σ(E)					
2159	IJI J FCY 6	827	75 NDG	NEMETS+ CURV.	
	J SJPN 6	325	76 NDG	. TRANSLATION OF FCY 6,(4),827(1975).	

REVIEW REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
²⁰Ne(a, total) σ(E)					
2160 IJI	J FCY 6 827	75	2.0+0	4.5+1 NEMETS+ CURV.	
	J SJPN 6 325	76	2.0+0	4.5+1 . TRANSLATION OF FCY 6,(4),827(75).	
²⁷Al(a, total) σ(E)					
2161 IJI	J FCY 6 827	75	2.6+1	NEMETS+ TBL.	
	J SJPN 6 325	76	2.6+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁴⁶Ti(a, total) σ(E)					
2162 IJI	J FCY 6 827	75	4.0+1	NEMETS+ TBL. FROM PR 131,1251(1966).	
	J SJPN 6 325	76	4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵¹V(a, total) σ(E)					
2163 IJI	J FCY 6 827	75	4.0+1	NEMETS+ TBL. FROM PR 131,1251(1966).	
	J SJPN 6 325	76	4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵¹V(a, total) σ(E)					
2164 IJI	J FCY 6 827	75	5.0+0	4.5+1 NEMETS+ CURV.	
	J SJPN 6 325	76	5.0+0	4.5+1 . TRANSLATION OF FCY 6,(4),827(75).	
⁵⁴Cr(a, total) σ(E)					
2165 IJI	J FCY 6 827	75	2.5+1	NEMETS+ TBL. FROM NP/A 106,21(1968).	
	J SJPN 6 325	76	2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁶Fe(a, total) σ(E)					
2166 IJI	J FCY 6 827	75	2.5+1	4.0+1 NEMETS+ TBL.	
	J SJPN 6 325	76	2.5+1	4.0+1 . TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁶Fe(a, total) σ(E)					
2167 IJI	J FCY 6 827	75	2.5+1	4.0+1 NEMETS+ CURV. DEPENDENCE ON Z.	
	J SJPN 6 325	76	2.5+1	4.0+1 . TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁹Co(a, total) σ(E)					
2168 IJI	J FCY 6 827	75	1.4+1	NEMETS+ CURV. DEPENDENCE ON Z.	
	J FCY 6 827	75	2.3+1	2.6+1 NEMETS+ TBL.	
	J SJPN 6 325	76	1.4+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6 325	76	2.3+1	2.6+1 . TRANSLATION OF FCY 6,(4),827(1975).	
⁶³Co(a, total) σ(E)					
2169 IJI	J FCY 6 827	75	8.8+0	6.1+1 NEMETS+ CURV. DEPENDENCE ON Z.	
	J SJPN 6 325	76	8.8+0	6.1+1 . TRANSLATION OF FCY 6,(4),827(1975).	
⁶³Co(a, total) σ(E)					
2170 IJI	J FCY 6 827	75	2.3+1	4.0+1 NEMETS+ TBL.	
	J SJPN 6 325	76	2.3+1	4.0+1 . TRANSLATION OF FCY 6,(4),827(1975).	
⁵⁸Ni(a, total) σ(E)					
2171 IJI	J FCY 6 827	75	2.5+1	4.0+1 NEMETS+ CURV. DEPENDENCE ON A.	
	J SJPN 6 325	76	2.5+1	4.0+1 . TRANSLATION OF FCY 6,(4),827(75).	
⁵⁸Ni(a, total) σ(E)					
2172 IJI	J FCY 6 827	75	2.5+1	4.0+1 NEMETS+ CURV. DEPENDENCE ON Z AND A.	
	J FCY 6 827	75	2.7+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6 325	76	2.5+1	4.0+1 . TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6 325	76	2.7+1	. TRANSLATION OF FCY 6,(4),827(75).	
⁵⁹Ni(a, total) σ(E)					
2173 IJI	J FCY 6 827	75	2.5+1	NEMETS+ CURV. DEPENDENCE ON A.	
	J FCY 6 827	75	2.7+1	NEMETS+ CURV. DEPENDENCE ON A.	
	J SJPN 6 325	76	2.5+1	. TRANSLATION OF FCY 6,(4),827(75).	
	J SJPN 6 325	76	2.7+1	. TRANSLATION OF FCY 6,(4),827(75).	
⁶⁰Ni(a, total) σ(E)					
2174 IJI	J FCY 6 827	75	8.8+0	1.0+2 NEMETS+ CURV. DEPENDENCE ON Z.	
	J FCY 6 827	75	2.7+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J FCY 6 827	75	2.7+1	NEMETS+ TBL. FROM L.V. DUBAR.	
	J SJPN 6 325	76	8.8+0	1.0+2 . TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6 325	76	2.7+1	. TRANSLATION OF FCY 6,(4),827(75).	
	J SJPN 6 325	76	2.7+1	. TRANSLATION OF FCY 6,(4),827(1975).	

REVIEW REFERENCES(cont)

No. Lab	Reference	Emin (MeV)	Emax (MeV)	Author, Comments	Branch, Particle and Modifier
⁶³Ni(α, total) σ(E)					
2175 IJI	J FCY 6 827	75	2.5+1 4.0+1	NEMETS+ CURV. DEPENDENCE ON A.	
	J SJPN 6 325	76	2.5+1 4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁶⁴Ni(α, total) σ(E)					
2176 IJI	J FCY 6 827	75	2.5+1 4.0+1	NEMETS+ CURV. DEPENDENCE ON A.	
	J FCY 6 827	75	2.6+1	NEMETS+ TBL. FROM L.V. DUBAR+	
	J FCY 6 827	75	2.7+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6 325	76	2.5+1 4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6 325	76	2.6+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6 325	76	2.7+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Cu(α, total) σ(E)					
2177 IJI	J FCY 6 827	75	2.3+1 4.0+1	NEMETS+ TBL.	
	J SJPN 6 325	76	2.3+1 4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁶³Cu(α, total) σ(E)					
2178 IJI	J FCY 6 827	75	1.4+1 2.5+1	NEMETS+ CURV. DEPENDENCE ON Z.	
	J FCY 6 827	75	2.6+1	NEMETS+ TBL. FROM L.V. DUBAR+	
	J FCY 6 827	75	2.7+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J SJPN 6 325	76	1.4+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6 325	76	2.6+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6 325	76	2.7+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁶⁵Cu(α, total) σ(E)					
2179 IJI	J FCY 6 827	75	2.6+1	NEMETS+ TBL. FROM L.V. DUBAR+	
	J FCY 6 827	75	2.7+1	NEMETS+ CURV. DEPENDENCE ON N.	
	J FCY 6 827	75	2.7+1	NEMETS+ CURV. DEPENDENCE ON Z.	
	J SJPN 6 325	76	2.6+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6 325	76	2.7+1	. TRANSLATION OF FCY 6,(4),827(1975).	
	J SJPN 6 325	76	2.7+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Zn(α, total) σ(E)					
2180 IJI	J FCY 6 827	75	2.5+1 4.0+1	NEMETS+ TBL.	
	J SJPN 6 325	76	2.5+1 4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
⁶⁴Zn(α, total) σ(E)					
2181 IJI	J FCY 6 827	75	1.4+1 2.5+1	NEMETS+ CURV. DEPENDENCE ON Z.	
	J SJPN 6 325	76	1.4+1 2.5+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Zr(α, total) σ(E)					
2182 IJI	J FCY 6 827	75	4.0+1	NEMETS+ TBL. FROM PR 131,1251(1963).	
	J SJPN 6 325	76	4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Nb(α, total) σ(E)					
2183 IJI	J FCY 6 827	75	2.3+1 4.0+1	NEMETS+ TBL.	
	J SJPN 6 325	76	2.3+1 4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Mo(α, total) σ(E)					
2184 IJI	J FCY 6 827	75	4.0+1	NEMETS+ TBL. FROM PR 131,1251(1963).	
	J SJPN 6 325	76	4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Pd(α, total) σ(E)					
2185 IJI	J FCY 6 827	75	2.3+1 2.8+1	NEMETS+ TBL. FROM APPB 5,115(1974).	
	J SJPN 6 325	76	2.3+1 2.8+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Ag(α, total) σ(E)					
2186 IJI	J FCY 6 827	75	2.3+1 4.0+1	NEMETS+ TBL.	
	J SJPN 6 325	76	2.3+1 4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Ind(α, total) σ(E)					
2187 IJI	J FCY 6 827	75	2.3+1 2.8+1	NEMETS+ TBL. FROM APPB 5,115(1974).	
	J SJPN 6 325	76	2.3+1 2.8+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Sn(α, total) σ(E)					
2188 IJI	J FCY 6 827	75	2.3+1 4.0+1	NEMETS+ TBL.	
	J SJPN 6 325	76	2.3+1 4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Ta(α, total) σ(E)					
2189 IJI	J FCY 6 827	75	2.3+1 4.0+1	NEMETS+ TBL.	
	J SJPN 6 325	76	2.3+1 4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	

REVIEW REFERENCES(cont)

No. Lab	Reference	Emin (MeV)	Emax (MeV)	Author, Comments	Branch, Particle and Modifier
Pt(α,total) $\sigma(E)$					
2190 IJI J FCY	6 827	75	2.3+1 2.8+1	NEMETS+ TBL. FROM APPB 5,115(1974).	
J SJPW	6 325	76	2.3+1 2.8+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Au(α,total) $\sigma(E)$					
2191 IJI J FCY	6 827	75	2.3+1 4.0+1	NEMETS+ TBL.	
J SJPW	6 325	76	2.3+1 4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Pb(α,total) $\sigma(E)$					
2192 IJI J FCY	6 827	75	2.3+1 4.0+1	NEMETS+ TBL.	
J SJPW	6 325	76	2.3+1 4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
²⁰⁸Pb(α,total) $\sigma(E)$					
2193 IJI J FCY	6 827	75	1.8+1 4.5+1	NEMETS+ CURV.	
J SJPW	6 325	76	1.8+1 4.5+1	. TRANSLATION OF FCY 6,(4),827(75).	
Bi(α,total) $\sigma(E)$					
2194 IJI J FCY	6 827	75	2.3+1 4.0+1	NEMETS+ TBL.	
J SJPW	6 325	76	2.3+1 4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
Th(α,total) $\sigma(E)$					
2195 IJI J FCY	6 827	75	4.0+1	NEMETS+ TBL. FROM PR 131,1251(1963).	
J SJPW	6 325	76	4.0+1	. TRANSLATION OF FCY 6,(4),827(1975).	
²³²Th(α,fission)⁹⁰Y fission yield					
2196 CCP R YK- 18	3 75	2.4+1 4.5+1	LBOV+ TBL.		
R INDC(CCP)-70 2	176	NOG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)		
²³²Th(α,fission)⁹⁶Nb fission yield					
2197 CCP R YK- 18	3 75	2.4+1 4.5+1	LBOV+ TBL.		
R INDC(CCP)-70 2	176	NOG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)		
²³²Th(α,fission)¹³⁶Cs fission yield					
2198 CCP R YK- 18	3 75	2.4+1 4.5+1	LBOV+ TBL.		
R INDC(CCP)-70 2	176	NOG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)		
²³²Th(α,fission)¹⁴⁰La fission yield					
2199 CCP R YK- 18	3 75	2.4+1 4.5+1	LBOV+ TBL.		
R INDC(CCP)-70.2	176	NOG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)		
²³²Th(α,fission)Fission fragments fission yield					
2200 CCP R YK- 18	3 75	1.6+1 6.2+1	LBOV+ TBL. A=72-157. Z=30-63.		PRD
R YK- 18	3 75	2.0+1 6.0+1	LBOV+ CURV. A=82-150.		PRD
R INDC(CCP)-70 2	176	NOG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)		PRD
R INDC(CCP)-70 2	176	NOG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)		PRD
²³³U(α,fission)⁸²Br fission yield					
2201 CCP R YK- 18	3 75	2.5+1 4.1+1	LBOV+ TBL.		
R INDC(CCP)-70 2	176	NOG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)		
²³³U(α,fission)¹⁵⁰I fission yield					
2202 CCP R YK- 18	3 75	2.5+1 4.1+1	LBOV+ TBL.		
R INDC(CCP)-70 2	176	NOG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)		
²³³U(α,fission)¹⁵⁵I fission yield					
2203 CCP R YK- 18	3 75	2.5+1 4.1+1	LBOV+ TBL.		
R INDC(CCP)-70 2	176	NOG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)		
²³³U(α,fission)¹⁴⁰La fission yield					
2204 CCP R YK- 18	3 75	2.5+1 4.1+1	LBOV+ TBL.		
R INDC(CCP)-70 2	176	NOG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)		
²³³U(α,fission)¹⁴²La fission yield					
2205 CCP R YK- 18	3 75	2.5+1 4.1+1	LBOV+ TBL.		
R INDC(CCP)-70 2	176	NOG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)		
²³³U(α,fission)Fission fragments fission yield					
2206 CCP R YK- 18	3 75	2.4+1 4.6+1	LBOV+ TBL. A=82-161. Z=35-65.		PRD
R YK- 18	3 75	2.5+1 4.1+1	LBOV+ CURV. A=70-160.		PRO
R INDC(CCP)-70 2	176	NOG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)		PRD

REVIEW REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
²³⁵U(α,fission)Fission fragments fission yield					
2207 CCP	R YK- 18	3	75 6.0+0 2.4+1	LBOV+ CURV. A=82-150.	PRD
	R YK- 18	3	75 1.9+1 4.9+1	LBOV+ TBL. A=72-161. Z=30-65.	PRD
	R INDC(CCP)-70	2	176 NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	PRD
²³⁸U(α,fission)⁸²Br fission yield					
2208 CCP	R YK- 18	3	75 2.4+1 4.0+1	LBOV+ TBL.	
	R INDC(CCP)-70	2	176 NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁸U(α,fission)¹³⁰I fission yield					
2209 CCP	R YK- 18	3	75 2.4+1 4.0+1	LBOV+ TBL.	
	R INDC(CCP)-70	2	176 NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁸U(α,fission)¹³⁶Cs fission yield					
2210 CCP	R YK- 18	3	75 2.4+1 4.0+1	LBOV+ TBL.	
	R INDC(CCP)-70	2	176 NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁸U(α,fission)¹⁴⁰La fission yield					
2211 CCP	R YK- 18	3	75 2.4+1 4.0+1	LBOV+ TBL.	
	R INDC(CCP)-70	2	176 NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁸U(α,fission)Fission fragments fission yield					
2212 CCP	R YK- 18	3	75 2.0+1 4.5+1	LBOV+ TBL. A=72-161. Z=30-65.	PRD
	R INDC(CCP)-70	2	176 NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	PRD
²³⁸Np(α,fission)Fission fragments fission yield					
2213 CCP	R YK- 18	3	75 2.0+1 4.1+1	LBOV+ TBL. A=72-161. Z=30-65.	PRD
	R YK- 18	3	75 2.5+1 4.1+1	LBOV+ CURV. A=70-160.	PRD
	R INDC(CCP)-70	2	176 NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	PRD
²³⁸Pu(α,fission)⁹¹Zr fission yield					
2214 CCP	R YK- 18	3	75 2.5+1 4.7+1	LBOV+ TBL.	
	R INDC(CCP)-70	2	176 NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁸Pu(α,fission)¹¹⁵Cd fission yield					
2215 CCP	R YK- 18	3	75 2.5+1 4.7+1	LBOV+ TBL.	M+
	R INDC(CCP)-70	2	176 NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	M+
²³⁸Pu(α,fission)¹⁴⁰Ba fission yield					
2216 CCP	R YK- 18	3	75 2.5+1 4.7+1	LBOV+ TBL.	
	R INDC(CCP)-70	2	176 NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁸Pu(α,fission)¹⁴³Ce fission yield					
2217 CCP	R YK- 18	3	75 2.5+1 4.7+1	LBOV+ TBL.	
	R INDC(CCP)-70	2	176 NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁸Pu(α,fission)¹⁴⁷Nd fission yield					
2218 CCP	R YK- 18	3	75 2.5+1 4.7+1	LBOV+ TBL.	
	R INDC(CCP)-70	2	176 NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁸Pu(α,fission)¹⁵⁶Eu fission yield					
2219 CCP	R YK- 18	3	75 2.5+1 4.7+1	LBOV+ TBL.	
	R INDC(CCP)-70	2	176 NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁸Pu(α,fission)¹⁶¹Tb fission yield					
2220 CCP	R YK- 18	3	75 2.5+1 4.7+1	LBOV+ TBL.	
	R INDC(CCP)-70	2	176 NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	
²³⁹Pu(α,fission)Fission fragments fission yield					
2221 CCP	R YK- 18	3	75 2.0+1 4.8+1	LBOV+ TBL. A=72-161. Z=30-65.	PRD
	R INDC(CCP)-70	2	176 NDG	.TRANSLATION OF ABSTRACT OF YK-18,3(75)	PRD
Systematics(α,absorption) α(E)					
2222 IJI	J FCY	6	827 75 4.0+1	NEMETS+ CURV. DEPENDENCE ON A*(2/3).	
	J SUPN	6	325 76 4.0+1	.TRANSLATION OF FCY 6,(4),827(1975).	
Systematics(α,total) α(E)					
2223 IJI	J FCY	6	827 75 1.6+1 4.0+1	NEMETS+ TBL. Z=4 TO 90.	
	J FCY	6	827 75 2.5+1 4.0+1	NEMETS+ CURV. DEPENDENCE ON A FOR NI.	
	J FCY	6	827 75 2.5+1 4.0+1	NEMETS+ CURV. DEPENDENCE ON Z FOR N>28	
	J FCY	6	827 75 2.7+1	NEMETS+ CURV. DEPENDENCE ON N FOR Z>26	

REVIEW REFERENCES(cont)

No.	Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
Systematics(σ, total) $\sigma(E)$						
2223	MIT	J JPN 6	325	76 1.6+1 4.0+1	TRANSLATION OF FCY 6,(4),827(1975).	
		J JPN 6	325	76 2.5+1 4.0+1	TRANSLATION OF FCY 6,(4),827(1975).	
		J JPN 6	325	76 2.5+1 4.0+1	TRANSLATION OF FCY 6,(4),827(1975).	
		J JPN 6	325	76 2.7+1	TRANSLATION OF FCY 6,(4),827(1975).	
$^{12}\text{C}(^{12}\text{C}, \text{absorption}) \sigma(E)$						
2224	MIT	J JPRC 37	177	N76 1.4+1 6.0+1	FESHBACH. CURV.	
$^{12}\text{C}(^{12}\text{C}, \alpha) \sigma(E)$						
2225	MIT	J JPRC 37	177	N76 6.2+0 1.6+1	FESHBACH. CURV. S-FACTOR.	EMM G FCT
		J JPRC 37	177	N76 6.4+0 1.5+1	FESHBACH. CURV. S-FACTOR.	EMM G FCT
$^{12}\text{C}(^{12}\text{C}, \alpha)^{20}\text{Ne} \sigma(E)$						
2226	MIT	J JPRC 37	177	N76 5.0+0 1.2+1	FESHBACH. CURV. S-FACTOR.	EMM G FCT
		J JPRC 37	177	N76 1.2+1 2.2+1	FESHBACH. CURV.	
		J JPRC 37	177	N76 1.2+1 2.2+1	FESHBACH. CURV. 3 STATES.	PAR
$^{12}\text{C}(^{12}\text{C}, \alpha)^{20}\text{Ne} \sigma(E)$						
2227	MIT	J JPRC 37	177	N76 1.2+1 2.2+1	FESHBACH. CURV.	
$^{14}\text{N}(^{12}\text{C}, \text{fusion}) \sigma(E)$						
2228	PAR	J JPRC 37	57	N76 9.8+0 1.8-6	LEFORT. CURV. E IN CM.	
$^{16}\text{O}(^{12}\text{C}, \text{fusion}) \sigma(E)$						
2229	PAR	J JPRC 37	57	N76 1.8+1 8.8+1	LEFORT. CURV. E IN CM.	
$^{18}\text{O}(^{12}\text{C}, \text{fusion}) \sigma(E)$						
2230	PAR	J JPRC 37	57	N76 1.7+1 8.3+1	LEFORT. CURV. E IN CM.	
$^{48}\text{Ti}(^{12}\text{C}, \text{fusion}) \sigma(E)$						
2231	PAR	J JPRC 37	57	N76 1.3+1 1.9+2	LEFORT. CURV. E IN CM.	FCT
$^{58}\text{Ni}(^{12}\text{C}, \text{fusion}) \sigma(E)$						
2232	PAR	J JPRC 37	57	N76 1.2+1 1.8+2	LEFORT. CURV. E IN CM.	FCT
$^{63}\text{Cu}(^{12}\text{C}, \text{fusion}) \sigma(E)$						
2233	PAR	J JPRC 37	57	N76 3.0+1 3.6+2	LEFORT. CURV.	FCT
$^{197}\text{Au}(^{12}\text{C}, \text{fission}) \sigma(E)$						
2234	PAR	J JPRC 37	57	N76 8.6+1	LEFORT. 0.600B.	
$^{197}\text{Au}(^{12}\text{C}, \text{fusion}) \sigma(E)$						
2235	PAR	J JPRC 37	57	N76 8.6+1	LEFORT. 1.16B. SUM OF EVAP. + RES.	
$^{197}\text{Au}(^{12}\text{C}, \kappa) \sigma(E)$						
2236	PAR	J JPRC 37	57	N76 8.6+1	LEFORT. EVAP. RES. = 0.560B.	
$^{238}\text{U}(^{12}\text{C}, \text{fission}) \sigma(E)$						
2237	PAR	J JPRC 37	57	N76 1.2+2	LEFORT. 1.550B.	
$^{238}\text{U}(^{12}\text{C}, \text{fusion}) \sigma(E)$						
2238	PAR	J JPRC 37	57	N76 1.2+2	LEFORT. 1.55B. SUM OF EVAP. RES.+FISS.	
$\text{Ni}(^{14}\text{N}, \text{fusion}) \sigma(E)$						
2239	PAR	J JPRC 37	57	N76 2.5+1 3.0+2	LEFORT. CURV. E IN CM.	FCT
$^{12}\text{C}(^{16}\text{O}, \text{absorption}) \sigma(E)$						
2240	MIT	J JPRC 37	177	N76 9.3+0 2.8+1	FESHBACH. CURV. S-FACTOR.	FCT
$^{12}\text{C}(^{16}\text{O}, \text{fusion}) \sigma(E)$						
2241	MIT	J JPRC 37	177	N76 1.6+1 1.2+2	FESHBACH. CURV.	
		J JPRC 37	177	N76 2.9+1 6.3+1	FESHBACH. CURV.	
$^{18}\text{O}(^{16}\text{O}, \kappa) \sigma(E)$						
2242	MIT	J JPRC 37	177	N76 1.4+1 2.3+1	FESHBACH. CURV. S-FACTOR.	EMM G FCT
$^{27}\text{Al}(^{16}\text{O}, \text{fusion}) \sigma(E)$						
2243	PAR	J JPRC 37	57	N76 1.6+1 2.4+2	LEFORT. CURV. E IN CM.	FCT
$^{48}\text{Ca}(^{16}\text{O}, \text{inelastic}) \sigma(E)$						
2244	SAC	J JPRC 37	15	N76 5.6+1	LOW. CURV. FUNC. OF L TRANSFER.	PAR

REVIEW REFERENCES(cont)

No. Lab	Reference	Emin (MeV)	Emax (MeV)	Author, Comments	Branch, Particle and Modifier
	$^{48}\text{Ca}(^{16}\text{O}, \text{core})$			$\sigma(\text{E})$	
2245	NBI J JPRC 37	1	N76 5.6+1	HANSEN+ CURV. FUNC. OF L TRANSFER.	PAR
2246	SAC J JPRC 37	15	N76 5.6+1	LOW. CURV. FUNC. OF L TRANSFER.	PAR
	J JPRC 37	15	N76 5.6+1	LOW. CURV. FUNC. OF L TRANSFER.	PAR/DI
	$^{48}\text{Ca}(^{16}\text{O}, \text{elastic})^{48}\text{Ca}$			$\sigma(\text{E})$	
2247	NBI J JPRC 37	1	N76 5.6+1	HANSEN+ CURV. FUNC. OF L TRANSFER.	PAR
2248	SAC J JPRC 37	15	N76 5.6+1	LOW. CURV. FUNC. OF L TRANSFER.	PAR
	$^{48}\text{Ca}(^{16}\text{O}, ^{15}\text{N})^{49}\text{Sc}$			$\sigma(\text{E})$	
2249	NBI J JPRC 37	1	N76 5.6+1	HANSEN+ CURV. FUNC. OF L TRANS. EX=3.08	PAR
	$^{48}\text{Ca}(^{16}\text{O}, ^{15}\text{N})^{49}\text{Sc}$			$\sigma(\text{E})$	
2250	NBI J JPRC 37	1	N76 5.6+1	HANSEN+ CURV. FUNC. OF L TRANSFER.	GND
	$^{142}\text{Nd}(^{16}\text{O}, 5n)^{153}\text{Er}$			$\sigma(\text{E})$	
2251	PAR J JPRC 37	57	N76 8.6+1	1.2+2 LEFORT. CURV.	REL
	J JPRC 37	57	N76 9.4+1	1.4+2 LEFORT. CURV.	ECT
	$^{238}\text{U}(^{16}\text{O}, \text{fission})$			$\sigma(\text{E})$	
2252	PAR J JPRC 37	57	N76 1.6+2	LEFORT. 1.490B.	
	$^{238}\text{U}(^{16}\text{O}, \text{fusion})$			$\sigma(\text{E})$	
2253	PAR J JPRC 37	57	N76 1.6+2	LEFORT. 1.49B. SUM OF EVAP. RES.+FISS.	
	$^{12}\text{C}(^{16}\text{O}, \text{fusion})$			$\sigma(\text{E})$	
2254	MIT J JPRC 37	177	N76 1.7+1	1.3+2 FESHBACH. CURV.	
	$^{150}\text{Nd}(^{20}\text{Ne}, \text{fission})$			$\sigma(\text{E})$	
2255	PAR J JPRC 37	57	N76 1.4+2	LEFORT. 0.100B.	
	$^{150}\text{Nd}(^{20}\text{Ne}, \text{fusion})$			$\sigma(\text{E})$	
2256	PAR J JPRC 37	57	N76 1.4+2	LEFORT. 1.55B. SUM OF EVAP. + FISS.	
	$^{150}\text{Nd}(^{20}\text{Ne}, x)$			$\sigma(\text{E})$	
2257	PAR J JPRC 37	57	N76 1.4+2	LEFORT. EVAP. RES. = 1.450B.	
	$^{238}\text{U}(^{20}\text{Ne}, \text{fission})$			$\sigma(\text{E})$	
2258	PAR J JPRC 37	57	N76 2.0+2	LEFORT. 1.36B.	
	$^{238}\text{U}(^{20}\text{Ne}, \text{fusion})$			$\sigma(\text{E})$	
2259	PAR J JPRC 37	57	N76 2.0+2	LEFORT. 1.36B. E IN CM.	
	$^{113}\text{In}(^{32}\text{S}, \text{fission})$			$\sigma(\text{E})$	
2260	PAR J JPRC 37	57	N76 3.4+2	LEFORT. 0.33B.	
	$^{113}\text{In}(^{32}\text{S}, \text{fusion})$			$\sigma(\text{E})$	
2261	PAR J JPRC 37	57	N76 3.4+2	LEFORT. 0.86B. SUM OF EVAP. + FISS.	
	$^{113}\text{In}(^{32}\text{S}, x)$			$\sigma(\text{E})$	
2262	PAR J JPRC 37	57	N76 3.4+2	LEFORT. EVAP. RES. = 0.53B.	
	$^{45}\text{Sc}(^{34}\text{S}, n3p)^{75}\text{Se}$			$\sigma(\text{E})$	
2263	PAR J JPRC 37	57	N76 4.0+1	1.4+2 LEFORT. CL'RV.	
	$^{45}\text{Sc}(^{34}\text{S}, na)^{74}\text{Br}$			$\sigma(\text{E})$	
2264	PAR J JPRC 37	57	N76 4.0+1	1.4+2 LEFORT. CURV.	
	J JPRC 37	57	N76 4.0+1	1.4+2 LEFORT. CURV.	
	$^{45}\text{Sc}(^{34}\text{S}, 2n2p)^{73}\text{Br}$			$\sigma(\text{E})$	
2265	PAR J JPRC 37	57	N76 4.0+1	1.4+2 LEFORT. CURV.	
	$^{45}\text{Sc}(^{34}\text{S}, n2p)^{76}\text{Br}$			$\sigma(\text{E})$	
2266	PAR J JPRC 37	57	N76 4.0+1	1.4+2 LEFORT. CURV.	
	$^{45}\text{Sc}(^{34}\text{S}, 2n)^{77}\text{Br}$			$\sigma(\text{E})$	
2267	PAR J JPRC 37	57	N76 4.0+1	1.4+2 LEFORT. CURV.	
	$^{45}\text{Sc}(^{34}\text{S}, 2p)^{77}\text{Br}$			$\sigma(\text{E})$	
2268	PAR J JPRC 37	57	N76 4.0+1	1.4+2 LEFORT. CURV.	

REVIEW REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Mod. tier
	⁴³ Sc(³⁴ S,3np) ⁷⁵ Kr σ(E)				
2269	PAR J JPRC 37	57	N76 4.0+1 1.4+2	LEFORT. CURV.	
	⁴³ Sc(³⁴ S,2np) ⁷⁶ Kr σ(E)				
2270	PAR J JPRC 37	57	N76 4.0+1 1.4+2	LEFORT. CURV.	
	⁴³ Sc(³⁴ S,np) ⁷⁷ Kr σ(E)				
2271	PAR J JPRC 37	57	N76 4.0+1 1.4+2	LEFORT. CURV.	
	²⁷ Al(³³ Cl,fusion) σ(E)				
2272	PAR J JPRC 37	57	N76 1.6+2	LEFORT. 1.14B. SUM OF EVAP. + FISS.	
	J JPRC 37	57	N76 1.7+2	LEFORT. 1.20B. SUM OF EVAP. RES.+FISS.	
	⁴⁸ Ti(³³ Cl,fusion) σ(E)				
2273	PAR J JPRC 37	57	N76 8.6+1 2.5+2	LEFORT. CURV. E IN CM.	
	J JPRC 37	57	N76 1.6+2	LEFORT. 1.08B. SUM OF EVAP. RES.+FISS.	
	⁵⁶ Fe(³³ Cl,fusion) σ(E)				
2274	PAR J JPRC 37	57	N76 1.6+2	LEFORT. 0.964B. SUM OF EVAP. RES.+FISS.	
	⁵⁸ Ni(³³ Cl,fusion) σ(E)				
2275	PAR J JPRC 37	57	N76 9.6+1 1.4+2	LEFORT. CURV.	
	J JPRC 37	57	N76 1.4+2	LEFORT. 0.781B. SUM OF EVAP. RES.+FISS.	
	⁶⁰ Ni(⁵³ Cl,fusion) σ(E)				
2276	PAR J JPRC 37	57	N76 7.9+1 2.3+2	LEFORT. CURV. E IN CM.	
	⁶² Ni(³³ Cl,fusion) σ(E)				
2277	PAR J JPRC 37	57	N76 9.4+1 1.4+2	LEFORT. CURV. E IN CM.	
	J JPRC 37	57	N76 1.7+2	LEFORT. 1.09B. SUM OF EVAP.+FISS.	
	⁴⁴ Ni(³³ Cl,fusion) σ(E)				
2278	PAR J JPRC 37	57	N76 7.7+1 2.2+2	LEFORT. CURV. E IN CM.	
	⁹⁰ Zr(⁵³ Cl,fusion) σ(E)				
2279	PAR J JPRC 37	57	N76 6.9+1 2.0+2	LEFORT. CURV. E IN CM.	
	J JPRC 37	57	N76 1.6+2	LEFORT. 0.850B. SUM OF EVAP. RES.+FISS.	
	¹¹⁸ Sn(³³ Cl,fusion) σ(E)				
2280	PAR J JPRC 37	57	N76 6.5+1 1.9+2	LEFORT. CURV. E IN CM.	
	J JPRC 37	57	N76 1.7+2	LEFORT. 0.560B. SUM OF EVAP. RES.+FISS.	
	¹²⁴ Sn(³³ Cl,fusion) σ(E)				
2281	PAR J JPRC 37	57	N76 6.4+1 1.8+2	LEFORT. CURV. E IN CM.	
	J JPRC 37	57	N76 1.7+2	LEFORT. 0.632B. SUM OF EVAP. RES.+FISS.	
	Ni(⁴⁰ Ar,x) σ(E)				
2282	PAR J JPRC 37	57	N76 NDG	LEFORT. EVAP. RES. DEP. ON Z1+Z2/(A1+A2)	
	⁷⁴ Ge(⁴⁰ Ar,fusion) σ(E)				
2283	PAR J JPRC 37	57	N76 2.0+2	LEFORT. .GT. 0.95B.	
	⁷⁴ Ge(⁴⁰ Ar,x) σ(E)				
2284	PAR J JPRC 37	57	N76 2.0+2	LEFORT. EVAP. RES. = 0.95B.	
	Ag(⁴⁰ Ar,x) σ(E)				
2285	PAR J JPRC 37	57	N76 NOG	LEFORT. EVAP. RES. DEP. ON Z1+Z2/(A1+A2)	
	¹⁰⁶ Ag(⁴⁰ Ar,fission) σ(E)				
2286	PAR J JPRC 37	57	N76 2.9+2	LEFORT. 0.650B.	
	¹⁰⁸ Ag(⁴⁰ Ar,fusion) σ(E)				
2287	PAR J JPRC 37	57	N76 2.0+2	LEFORT. .GT. 0.95B.	
	J JPRC 37	57	N76 2.9+2	LEFORT. 1.25B. SUM OF EVAP. + FISS.	
	¹⁰⁹ Ag(⁴⁰ Ar,x) σ(E)				
2288	PAR J JPRC 37	57	N76 2.0+2	LEFORT. EVAP. RES. = 0.95B.	
	J JPRC 37	57	N76 2.9+2	LEFORT. EVAP. RES. = 0.600B.	
	¹¹⁸ Sn(⁴⁰ Ar,5n) ¹³³ Er σ(E)				
2289	PAR J JPRC 37	57	N76 1.5+2 2.3+2	LEFORT. CURV.	

REVIEW REFERENCES(cont)

No. Lab	Reference	E _{min} (MeV)	E _{max} (MeV)	Author, Comments	Branch, Particle and Modifier
	¹¹⁸ Sn(⁴⁰ Ar,5n) ¹⁵³ Er σ(E)				
2289 PAR J JPRC 37	57 N76	1.6+2	2.1+2	LEFORT. CURV.	FCT REL
J JPRC 37	57 N76	1.6+2	2.3+2	LEFORT. CURV.	
	Sb(⁴⁰ Ar,absorption) σ(E)				
2290 PAR J JPRC 37	57 N76	1.5+2	3.5+2	LEFORT. CURV.	
	Sb(⁴⁰ Ar,fission) σ(E)				
2291 PAR J JPRC 37	57 N76	1.5+2	3.5+2	LEFORT. CURV. EVAPORATION RESIDUE.	
	Sb(⁴⁰ Ar,fusion) σ(E)				
2292 PAR J JPRC 37	57 N76	1.5+2	3.5+2	LEFORT. CURV. SUM OF EVAP. RES. + FISS.	
	Sb(⁴⁰ Ar,x) σ(E)				
2293 PAR J JPRC 37	57 N76 NDG			LEFORT. EVAP. RES. DEP. ON Z1+Z2/(A1+A2)	
	¹²¹ Sb(⁴⁰ Ar,fission) σ(E)				
2294 PAR J JPRC 37	57 N76	2.0+2	3.0+2	LEFORT. TBL.	
	¹²¹ Sb(⁴⁰ Ar,fusion) σ(E)				
2295 PAR J JPRC 37	57 N76	1.5+2	6.7+2	LEFORT. CURV. E IN CM.	
J JPRC 37	57 N76	2.0+2	3.0+2	LEFORT. TBL. SUM OF EVAP. + FISS.	
	¹²¹ Sb(⁴⁰ Ar,x) σ(E)				
2296 PAR J JPRC 37	57 N76	2.0+2	3.0+2	LEFORT. TBL. EVAP. RES.	
	Dy(⁴⁰ Ar,x) σ(E)				
2297 PAR J JPRC 37	57 N76 NDG			LEFORT. EVAP. RES. DEP. ON Z1+Z2/(A1+A2)	
	¹⁶⁵ Ho(⁴⁰ Ar,fission) σ(E)				
2298 PAR J JPRC 37	57 N76	2.3+2		LEFORT. 0.800B.	
J JPRC 37	57 N76	3.0+2		LEFORT. 1.35B.	
	¹⁶⁵ Ho(⁴⁰ Ar,fusion) σ(E)				
2299 PAR J JPRC 37	57 N76	2.3+2		LEFORT. 0.800B. SUM OF EVAP. + FISS.	
J JPRC 37	57 N76	3.0+2		LEFORT. 1.35B. SUM OF EVAP. + FISS.	
	¹⁶⁵ Ho(⁴⁰ Ar,x) σ(E)				
2300 PAR J JPRC 37	57 N76	3.0+2		LEFORT. EVAP. RES. .LT. 0.010B.	
	²³⁸ U(⁴⁰ Ar,fission) σ(E)				
2301 PAR J JPRC 37	57 N76	2.5+2	4.0+2	LEFORT. TBL.	
	²³⁸ U(⁴⁰ Ar,fusion) σ(E)				
2302 PAR J JPRC 37	57 N76	2.5+2	4.0+2	LEFORT. TBL. E IN CM.	
	Fm(⁵² Cr,x) σ(E)				
2303 PAR J JPRC 37	57 N76 NDG			LEFORT. EVAP. RES. DEP. ON Z1+Z2/(A1+A2)	
	Ni(⁶³ Cu,x) σ(E)				
2304 PAR J JPRC 37	57 N76 NDG			LEFORT. EVAP. RES. DEP. ON Z1+Z2/(A1+A2)	
	⁹⁶ Zr(⁶³ Cu,5n) ¹⁵⁴ Tm σ(E)				
2305 PAR J JPRC 37	57 N76	2.3+2	3.0+2	LEFORT. CURV.	REL
	Ag(⁶³ Cu,x) σ(E)				
2306 PAR J JPRC 37	57 N76 NDG			LEFORT. EVAP. RES. DEP. ON Z1+Z2/(A1+A2)	
	Cu(⁸⁴ Kr,x) σ(E)				
2307 PAR J JPRC 37	57 N76 NDG			LEFORT. EVAP. RES. DEP. ON Z1+Z2/(A1+A2)	
	⁷⁴ Ge(⁸⁴ Kr,5n) ¹⁵³ Er σ(E)				
2308 PAR J JPRC 37	57 N76	3.2+2	4.5+2	LEFORT. CURV.	FCT REL
J JPRC 37	57 N76	3.7+2	4.3+2	LEFORT. CURV.	
	Zr(⁸⁴ Kr,x) σ(E)				
2309 PAR J JPRC 37	57 N76 NDG			LEFORT. EVAP. RES. DEP. ON Z1+Z2/(A1+A2)	
	Ag(⁸⁴ Kr,x) σ(E)				
2310 PAR J JPRC 37	57 N76 NDG			LEFORT. EVAP. RES. DEP. ON Z1+Z2/(A1+A2)	

ISOTOPE PRODUCTION--REVIEW

Target	Inc	Emin (MeV)	Emax (MeV)	Lab	Author	No.
^9Be	α	TR	7.8-0	OTC GEIGER+	^{12}C $\sigma(\text{E})$	2136
^9Be	α	TR	7.8-0	OTC GEIGER+	^{12}C $\sigma(\text{E})$	2157
^{12}C	^{12}C	5.0-0	1.2-1	MIT FESHBACH.	^{20}Ne $\sigma(\text{E})$	2226
^{12}C	^{12}C	1.2-1	2.2-1	MIT FESHBACH.	^{20}Ne $\sigma(\text{E})$	2227
^{23}Na	p	5.1-0	1.1-1	CAL FOHLER.	^{23}Mg $\sigma(\text{E})$	1958
^{48}Ca	^{16}O	5.6-1		NBI HANSEN+	^{48}Ca $\sigma(\text{E})$	2247
^{48}Ca	^{16}O	5.6-1		SAC LOM.		2248
^{48}Ca	^{16}O	5.6-1		NBI HANSEN+	^{49}Sc $\sigma(\text{E})$	2249
^{48}Ca	^{16}O	5.6-1		NBI HANSEN+	^{49}Sc $\sigma(\text{E})$	2250
^{64}Ni	p	2.2-0	2.8-0	ALB GARG.	^{63}Cu $\sigma(\text{E})$	1996
^{64}Ni	p	5.0-0	1.1-1	CAL FOHLER.	^{63}Cu $\sigma(\text{E})$	2000
^{45}Sc	^{34}S	4.0-1	1.4-2	PAR LEFORT.	^{73}Se $\sigma(\text{E})$	2263
^{45}Sc	^{34}S	4.0-1	1.4-2	PAR LEFORT.	^{74}Br $\sigma(\text{E})$	2264
^{45}Sc	^{34}S	4.0-1	1.4-2	PAR LEFORT.	^{74}Br $\sigma(\text{E})$	2265
^{45}Sc	^{34}S	4.0-1	1.4-2	PAR LEFORT.	^{76}Br $\sigma(\text{E})$	2266
^{45}Sc	^{34}S	4.0-1	1.4-2	PAR LEFORT.	^{77}Br $\sigma(\text{E})$	2267
^{45}Sc	^{34}S	4.0-1	1.4-2	PAR LEFORT.	^{77}Br $\sigma(\text{E})$	2268
^{233}U	α	2.5-1	4.1-1	CCP LBOV+	^{82}Br fission yield	2201
^{238}U	α	2.4-1	4.0-1	CCP LBOV+	^{73}Kr $\sigma(\text{E})$	2238
^{45}Sc	^{34}S	4.0-1	1.4-2	PAR LEFORT.	^{74}Kr $\sigma(\text{E})$	2269
^{45}Sc	^{34}S	4.0-1	1.4-2	PAR LEFORT.	^{77}Kr $\sigma(\text{E})$	2270
^{45}Sc	^{34}S	4.0-1	1.4-2	PAR LEFORT.	^{77}Kr $\sigma(\text{E})$	2271
^{235}U	d	9.3-0		CCP LBOV+	^{85}Kr fission yield	2135
^{235}U	d	9.3-0		CCP LBOV+	^{87}Kr fission yield	2136
^{235}U	d	9.3-0		CCP LBOV+	^{88}Kr fission yield	2137
^{232}Th	α	2.4-1	4.5-1	CCP LBOV+	^{90}Y fission yield	2196
^{238}Pu	α	2.5-1	4.7-1	CCP LBOV+	^{91}Zr fission yield	2214
^{232}Th	α	2.4-1	4.5-1	CCP LBOV+	^{90}Nb fission yield	2197
^{232}Th	p	5.0-0	1.0-2	CCP LBOV+	^{113}Ag $\sigma(\text{E})$	2069
^{238}U	p	5.0-0	1.0-2	CCP LBOV+		2075
^{238}U	p	5.0-0	1.0-2	CCP LBOV+	^{115}Cd fission yield	2079
^{238}Pu	α	2.5-1	4.7-1	CCP LBOV+		2215
^{233}U	α	2.5-1	4.1-1	CCP LBOV+	^{130}I fission yield	2202
^{238}U	α	2.4-1	4.0-1	CCP LBOV+		2209

ISOTOPE PRODUCTION--REVIEW(cont)

Targt	Inc	Emin (MeV)	Emax (MeV)	Lab	Author	No.
¹³⁵I fission yield						
²³⁵ U	o	2.5+1	4.1+1	CCP L80V+		2203
¹³⁸Xe fission yield						
²³⁹ Pu	p	2.0+1	8.5+1	CCP L80V+		2080
¹²⁹Cs fission yield						
²³⁹ Pu	p	2.0+1	8.5+1	CCP L80V+		2081
¹³⁰Cs fission yield						
²³⁹ Pu	p	2.0+1	8.5+1	CCP L80V+		2082
¹³¹Cs fission yield						
²³⁹ Pu	o	2.0+1	8.5+1	CCP L80V+		2083
¹³²Cs fission yield						
²³⁹ Pu	p	2.0+1	8.5+1	CCP L80V+		2084
¹³⁴Cs fission yield						
²³⁹ Pu	p	2.0+1	8.5+1	CCP L80V+		2085
^{134m}Cs fission yield						
²³⁹ Pu	p	2.0+1	8.5+1	CCP L80V+		2086
¹³⁶Cs fission yield						
²³² Th	o	2.4+1	4.5+1	CCP L80V+		2198
²³⁸ U	o	2.4+1	4.0+1	CCP L80V+		2210
²³⁹ Pu	p	2.0+1	8.5+1	CCP L80V+		2087
¹³⁸Cs fission yield						
²³⁹ Pu	p	2.0+1	8.5+1	CCP L80V+		2088
¹³⁹Ba o(E)						
²³² Th	p	5.0+0	1.0+2	CCP L80V+		2070
²³⁸ U	p	5.0+0	1.0+2	CCP L80V+		2076
²³⁹ Pu	p	5.0+0	1.0+2	CCP L80V+		2089
¹⁴⁸Ba fission yield						
²³⁸ Pu	o	2.5+1	4.7+1	CCP L80V+		2216
¹⁴⁶La fission yield						
²³² Th	o	2.4+1	4.5+1	CCP L80V+		2199
²³³ U	o	2.5+1	4.1+1	CCP L80V+		2204
²³⁸ U	o	2.4+1	4.0+1	CCP L80V+		2211
¹⁴²La fission yield						
²³⁵ U	o	2.5+1	4.1+1	CCP L80V+		2205
¹⁴³Ce fission yield						
²³⁸ Pu	o	2.5+1	4.7+1	CCP L80V+		2217
¹⁴⁷Nd fission yield						
²³⁸ Pu	o	2.5+1	4.7+1	CCP L80V+		2218
¹⁵⁶Eu fission yield						
²³⁸ Pu	o	2.5+1	4.7+1	CCP L80V+		2219
¹⁶¹Tb fission yield						
²³⁸ Pu	o	2.5+1	4.7+1	CCP L80V+		2220
¹⁵³Er o(E)						
⁷⁴ Ge	8.4Kc	3.2+2	4.5+2	PAR LEFORT.		2308
¹¹⁸ Sn	40Ar	1.5+2	2.3+2	PAR LEFORT.		2289
¹⁴² Nd	160	8.6+1	1.2+2	PAR LEFORT.		2251
¹⁵⁷ Ho	p	5.1+1	7.1+1	PAR LEFORT.		2055
¹⁵³Tm o(E)						
^{96Zr}	⁶³ Cu	2.3+2	3.0+2	PAR LEFORT.		2305
Fission fragments fission yield						
²⁰⁹ Bi	p	3.2+1		TUE GONNENHEIN+		2066
²²⁶ Ra	p	1.3+1		TUE GONNENHEIN+		2067
²³² Th	p	6.7+0	1.0+2	CCP L80V+		2071
²³² Th	d	9.3+0	1.4+1	CCP L80V+		2135
²³² Th	o	1.6+1	6.2+1	CCP L80V+		2200
²³³ U	p	2.0+0	8.5+1	CCP L80V+		2075
²³³ U	d	7.0+0	2.3+1	CCP L80V+		2134
²³⁵ U	o	1.2+1	8.6+1	CCP L80V+		2206
²³⁵ U	p	1.2+1	8.6+1	CCP L80V+		2074
²³⁸ U	o	6.0+0	2.3+1	CCP L80V+		2077
²³⁸ U	p	7.1+0	1.0+2	CCP L80V+		2078
²³⁸ U	p	1.2+1		TUE GONNENHEIN+		2142
²³⁸ U	d	5.0+0	1.0+2	CCP L80V+		2142
²³⁸ U	p	3.1+1		CCP L80V+		2212
²³⁷ Nd	o	2.0+1	4.5+1	CCP L80V+		2213
²³⁹ Pu	d	9.2+0	2.3+1	CCP L80V+		2159
²³⁹ Pu	o	2.0+1	4.8+1	CCP L80V+		2221

APPENDIX A--ABBREVIATIONS FOR MOLECULES AND MIXTURES

cmp Compound. Information on compound given in comments.
oxi Oxide.

APPENDIX B--QUANTITY DEFINITIONS

Definitions will be given only for those quantities which are not self-apparent. In addition, definitions will be given for the various modifiers to the quantity: - branch, particle, modifier.

1. Quantity

Product yield. Yield of the specified product nucleus or particle in poorly-defined experimental conditions where the scanner could not assign " $\sigma(E)$ ", "Thick target yields," or "fission yield."

$\bar{\nu}$ Fission neutron yield

2. Branch

PAR Measurement leaving the residual nucleus in a specific level or emitting a definite gamma-ray or particle group.

GND Partial cross section populating the ground state when a metastable state of the residual nucleus exists.

M+ Including formation via isomeric transition.

M- Excluding formation via isomeric transition.

(M) Formation via isomeric transition uncertain.

CN Compound-nucleus part of cross section.

DI Direct-interaction part of cross section.

PR Prompt. As in fission.

DL Delayed. As in fission.

BIN Binary fission.

TER Ternary fission.

IND Production of product nucleus via direct formation only.

CUM Production of product nucleus via direct formation and radioactive decay.

(CUM)	Scanner is not certain as to production mode.
SEQ	This code indicates that the sequence of outgoing particles is as specified.
PRD	There is an ambiguity in the use of "PRD" which should be clear from the text. a. Production of the specified particle. b. Measurement of a large number of product nuclei closely grouped by Z or A. The range covered is summarized in the comments.
EMM	Emission of the specified particle.

3. Particle

The particle detected is given if it differs from the outgoing particle or is not obvious from the text.

4. Modifier

The modifier is given if the data are given in units other than cross sections, production rates, or yields.

RAW	The data are essentially given as obtained in terms of total number of events.
REL	The data are given in relative units.
FCT	The data are given multiplied by a factor.
SPA	The data are a spectrum average for the specified incident particle spectrum.

APPENDIX C--REFERENCES

1. REFERENCE FIELD ORGANIZATION

The reference field in the three main subsections is composed of a reference type, reference, and publication date. The reference type is the first character in the field and is explained below. The reference differs for references found in published periodicals, conference contributions and proceedings, numbered reports, and unpublished material and private communications (see next paragraph for the organization of the reference). The publication date is a three character code at the end of the field. The first character is the month (The numbers 1 through 9 for the months January through September and the letters O, N, and D for the months of October, November, and December). The last two characters are the last two numbers of the year of publication (e.g., 1976 = 76).

2. REFERENCE (see below for expansions)

Generally speaking the sources of information fall into five categories which are treated differently.

- a. Published periodicals
- b. Conference contributions and proceedings
- c. Numbered reports
- d. Unpublished material and private communications
- e. Numerical data in computer files

a. Published periodicals. Here the reference usually consists of a two to four letter abbreviation of the periodical, followed by the volume number and the page number.

EXAMPLE NP/A 274 202
Nucl. Phys. A 274, 202

b. Conference contributions and proceedings. In almost all cases, conferences are identified by the last two digits of the conference year, followed by an abbreviation of its location.

EXAMPLE 65ANTWERP
the International Conference on the Study of Nuclear Structure
with Neutrons, Antwerp (1965)

c. Numbered reports. The customary report abbreviation is entered with the report number. The page is also included if there is room in the field (see comment field for page number in other cases).

EXAMPLE DAP-422
Orange Aid Preprints-422, Cal. Inst. of Tech.

d. Unpublished material and private communications. Theses, private communications, and preprints received by the Center have also been included. Such material is either entered by the author's name as documentation or with the words TO BE PUBLISHED if the author has submitted the preprint.

e. Numerical data in computer files. Numerical data stored in generally available computer libraries are indexed by a code defining the library and an accession number, by which the data sets may be identified when requesting them from a data center.

EXAMPLE EXFORB0004.002
Data available from charged-particle EXFOR library.
Accession number is B0004.002

REFERENCE TYPE CODES

A ABSTRACT
B BOOK
C CONFERENCE
J JOURNAL
P PROGRESS REPORT
R REPORTS- OTHER THAN PROGRESS
T THESIS OR DISSERTATION
W PRIVATE COMMUNICATION
4 DATA IN COMPUTERIZED FORM

REFERENCE CODES
CONFERENCES, REPORTS, JOURNALS

74PETTEN	2.INT.SYMP.ON NEUTRON CAPTURE GAMMA RAY SPECTROSCOPY	NETHERLANDS
76LOWELL	INT.CONF.ON INTERACTIONS OF NEUTRONS WITH NUCLEI.	U.S.A.
AERE-PR/NP	AERE-HARWELL REPORTS	U.K.
CEA-N-	CENTRE D'ETUDES NUCLEAIRES, SACLAY, NOTE	FRANCE
INDC(CCP)-	USSR REPORTS TO THE INT'L NUCL.DATA COMMITTEE	
INDC(IRN)-	IRAN REPORTS TO THE INT'L NUCL.DATA COMMITTEE	
INDC(SEC)-	INTERN.NUCL.DATA COMMITTEE, REPORT SERIES	
IPNO-PHN-	INST.DE PHYS.NUCLEAIRE,ORSAY,PROG.REPTS.	FRANCE
KFK-	KERNFORSCHUNGSZENTRUM KARLSRUHE REPORT SERIES	GERMANY,FR
NEANDC(E)-	REPTS FROM CEC-COUNTRIES AND CEC TO NEANDC	
NEANDC(J)-	JAPANESE REPORTS TO NEANDC	
NEANDC(OR)-	REPTS FROM MISC. DECD COUNTRIES TO NEANDC	
DAP-	ORANGE AID PREPR.,CALIF.INST.TECH.	U.S.A.
ORNL-	ORNL RPT. NATIONAL LAB.REPORT SERIES	U.S.A.
UKNDC-P-	PROG. REPORT FROM UKNDC	U.K.
YK-	JADER' E KONSTANTY	U.S.S.R.
AE	ATOM. ENERGIJA	U.S.S.R.
AJ	ASTRONOMY	U.S.A.
ANS	TRANS.AMER.NUCL.SOC.	U.S.A.
AP	ANN.PHYS.(NEW YORK)	U.S.A.
APPB	ACTA PHYS.POL., PART B	POLAND
ARI	INT.J.APPL.RADIAT.ISOTOP.	U.K.
BAP	BULL.AMER.PHYS.SOC.	U.S.A.
BAS	BULL.ACAD.SCI.USSR,PHYS.SER.	U.S.A.
BCR	BULL.INST.CHEM.RES.,KYOTO UNIVERSITY	JAPAN
CJC	CAN.J.CHEM.	CANADA
CJP	CAN.J.PHYS.	CANADA
DA/B	DISS.ABSTR.B	U.S.A.
FCY	FIZ.ELEM.CHASTIC ST.JADRA	U.S.S.R.
HPA	HELV.PHYS.ACTA	SWITZERLAND
I2V	I2V.AKAD.NAUK SSSR,SER.FIZ.	U.S.S.R.
JAP	J.APPL.PHYS.	U.S.A.
JEL	SOV.PHYS.-JETP LETT.	U.S.A.
JGR	J.GEOPHYS.RESEARCH	U.S.A.
JIN	J.INORG.NUCL.CHEM.	U.K.
JP/G	J.DF PHYSICS,PT.G= NUCLEAR PHYSICS	U.K.
JPJ	J.PHYS.SOC.JAP.	JAPAN
JFR	JOURNAL DE PHYSIQUE	FRANCE
JPRC	J.DE PHYSIQUE - COLLOQUE	FRANCE
JPRL	J.DE PHYSIQUE - LETTRES	FRANCE
MED	MEDICAL PHYSICS	U.S.A.
NC	NUOVO CIMENTO	ITALY
NCL	LETT.NUOVO CIMENTO	ITALY
NIM	NUCL.INSTRUM.METHODS	NETHERLANDS
NP/A	NUCL.PHYS.A	NETHERLANDS
NSE	NUCL.SCI.ENG.	U.S.A.
PL/B	PHYS.LETT.B	NETHERLANDS
PL/C	PHYS.LETT.C	NETHERLANDS
PR	PHYS.REV.	U.S.A.
PR/C	PHYS.REV.,PART C	U.S.A.
PRL	PHYS.REV.LETT.	U.S.A.
RRP	REV.ROUM.PHYS.	ROMANIA
SJA	SOV.AT.ENERGY	U.S.A.
SJPN	SOV.J.PART.NUCL.	U.S.A.
SNP	SOV.J.NUCL.PHYS.	U.S.A.
UFZ	UKR.FIZ.ZH.	U.S.S.R.
YF	YAD.FIZ.	U.S.S.R.

REF CODES

ZEP
ZP
ZP/A

ZH.EKSP.TEOR.FIZ.,PIS'MA RED.
Z.PHYS.
Z.PHYS. A

U.S.S.R.
GERMANY,FR
GERMANY,FR

APPENDIX D--LABORATORY CODES

ABBREVIATIONS FOR LABORATORIES AND INSTITUTIONS WHICH ARE ENTERED IN THE 'LAB' FIELD.

AE	AB ATOMENERGI, STUDSVIK + STOCKHOLM	SWEDEN
ALA	UNIVERSITY OF ALBERTA, EDMONTON, ALBERTA	CANADA
ALB	STATE UNIVERSITY OF NEW YORK, ALBANY, N.Y.	U.S.A.
ALG	ALGERIA	ALGERIA
ANL	ARGONNE NATIONAL LAB, ARGONNE, ILLINOIS	U.S.A.
ATH	IRC DEMOCRITUS, ATHENS	GREECE
BER	HAHN-MEITNER-INST., BERLIN	GERMANY, FR
BNL	BROOKHAVEN NATIONAL LABORATORY, UPTON, N.Y.	U.S.A.
BOC	BOCHUM, UNIV.	GERMANY, FR
BON	U. OF BONN	GERMANY, FR
BRC	CEN BRUYERE LE CHATEL	FRANCE
BRK	UNIV. OF CALIF., LAWRENCE BERKELEY LAB, BERKELEY, CALIF.	U.S.A.
BRL	BALLISTIC RES. LABS., ABERDEEN, PROVING GROUNDS, MD	U.S.A.
BUC	INST. FOR ATOMIC PHYSICS, BUCHAREST	ROMANIA
BYU	BRIGHAM YOUNG UNIV., PROVO, UTAH	U.S.A.
CAL	CALIF. INSTITUTE OF TECHNOLOGY, PASADENA, CALIF.	U.S.A.
CAN	CANADA	CANADA
CBR	AUSTRALIAN NATL. UNIV., CANBERRA	AUSTRALIA
CCP	UNION OF SOV. SOCIAL. REPUBLICS	U.S.S.R.
CHI	UNIV. OF CHICAGO, ILLINOIS	U.S.A.
CLU	COLORADO UNIV., BOULDER, COLORADO	U.S.A.
CNE	COMISION NACIONAL DE ENERGIA ATOMICA, BUENOS AIRES	ARGENTINA
DEB	ATOMKI, DEBRECEN	HUNGARY
DUB	JOINT INST. FOR NUCL. RES., DUBNA	
FEI	ZIKO-ENERGETISCHIJ INST., OBNINSK	U.S.S.R.
FLA	IV. OF FLORIDA, GAINESVILLE, FLA.	U.S.A.
FRK	J.W. GOETHE UNIV., FRANKFURT	GERMANY, FR
FRS	U. OF FRIBOURG	SWITZERLAND
FSU	FLORIDA STATE UNIV., TALLAHASSEE, FLA.	U.S.A.
GEO	UNIV. OF GEORGIA, ATHENS, GEORGIA	U.S.A.
GRE	CEA AND UNIV., GRENOBLE, ISERE	FRANCE
GRN	GRONINGEN	NETHERLANDS
HAM	HAMBURG, UNIVERSITAET	GERMANY, FR
HAR	AERE, HARWELL, BERKS, ENGLAND	U.K.
HEI	HEIDELBERG, UNIV. AND MAX-PLANCK-INST.	GERMANY, FR
HIR	HIROSHIMA, UNIVERSITY OF HIROSHIMA	JAPAN
HRV	HARVARD UNIV., CAMBRIDGE, MASS.	U.S.A.
IBJ	SWIERK+MARSZAWA, INST. BADAN JADR	POLAND
IEA	INSTITUTO DE ENERGIA ATOMICA, SAO PAULO	BRAZIL
IFL	INST. FIZIKI A.N. LATVIJSKOI SSR, RIGA	U.S.S.R.
IJI	INST. JADERNYKH ISSLEDOVANIJ A.N. UKRAINSKOI SSR, KIEV	U.S.S.R.
IKO	INST. VOOR KERNPHYSISCH ONDERZDEK, AMSTERDAM	NETHERLANDS
JUL	KERNFORSCHUNGSANLAGE JUELICH	GERMANY, FR
KAZ	INST. JADERNOI FIZIKI, ALMA-ATA, KAZAKHSTAN	U.S.S.R.
KFI	KFKI, BUDAPEST	HUNGARY
KFK	KERNFORSCHUNGSZENTRUM, KARLSRUHE	GERMANY, FR
KOU	KINGSTON, QUEEN'S UNIVERSITY	CANADA
KTO	KYOTO UNIV.	JAPAN
KTY	UNIV. OF KENTUCKY, LEXINGTON, KY.	U.S.A.
KUR	INST. AT. EN. I.V. KURCHATOVA, MOSKVA	U.S.S.R.
KYU	KYUSHU UNIV., DEPT. OF NUCL. ENG., FUKUOKA	JAPAN
LAS	LOS ALAMOS SC. LAB., NEW MEXICO	U.S.A.
LRC	NASA-LEWIS RESEARCH CENTER, CLEVELAND, OHIO	U.S.A.
LRL	UNIV. OF CALIF., LAWRENCE LIVERMORE LAB., LIVERMORE, CAL.	U.S.A.
LUQ	LAVAL UNIVERSITY, QUEBEC	CANADA
MAN	U. OF MANCHESTER, ENGLAND	U.K.
MCG	MCGILL UNIVERSITY, MONTREAL, QUEBEC	CANADA
MIL	U. OF MILAN	ITALY
MIT	MASSACHUSETTS INST. OF TECH., CAMBRIDGE, MASS.	U.S.A.
MNA	UNIV. OF MANITOBA, CYCLOTRON LAB., WINNIPEG, MANITOBA	CANADA
MON	UNIV. OF MONTREAL, QUEBEC	CANADA
MRY	MARYLAND UNIV., COLLEGE PARK, MD.	U.S.A.
MSU	MICHIGAN STATE UNIV., E. LANSING, MICH.	U.S.A.
MUN	TECHNISCHE UNIVERSITAET MUENCHEN	GERMANY, FR
MUU	U. OF MUNICH, MUNICH	GERMANY, FR
NBI	NIELS BOHR INST., COPENHAGEN	DENMARK
NLP	NATIONAL PHYSICAL RESEARCH LAB., PRETORIA	SOUTH AFRICA
NDT	UNIV. OF NOTRE DAME, S. BEND, INDIANA	U.S.A.
NRL	US NAVAL RES. LAB., WASHINGTON, D.C.	U.S.A.
NTA	NORDITA, DENMARK	DENMARK
DRL	OAK RIDGE NATIONAL LAB., TENN	U.S.A.
OSA	OSAKA UNIV., OSAKA	JAPAN

LAB CODES

OSU	OHIO STATE UNIVERSITY, COLUMBUS, OHIO	U.S.A.
OTC	NAT. RESEARCH COUNCIL, OTTAWA, ONTARIO	CANADA
PAC	PADUA, UNIVERSITY AND LAB. NAT. LEGNARO	ITALY
PAR	U. OF PARIS, (INCL. ORSAY), PARIS	FRANCE
PEN	UNIV. OF PENNSYLVANIA, PHILADELPHIA, PA.	U.S.A.
PTN	PRINCETON UNIVERSITY, PRINCETON, N.J.	U.S.A.
PUR	PURDUE UNIV., LAFAYETTE, INDIANA	U.S.A.
RAM	RACCA, ATOMIC ENERGY CENTRE, RAMNA	BANGLADESH
RIC	RICE INST., HOUSTON, TEXAS	U.S.A.
ROC	UNIV. OF ROCHESTER, N.Y.	U.S.A.
ROS	ZENTRALINST. F. KERNFORSCHUNG, ROSSENDORF	GERMANY, OR
SAC	C.E.N. SACLAY, ESSONNE	FRANCE
SHI	INSTIT. OF NUCLEAR ENERGY RESEARCH, LUNG TAN	TAIWAN
STB	STATE UNIVERSITY OF NEW YORK, STONY BROOK, N.Y.	U.S.A.
STR	NUCL. RES. CENTRE, STRASBOURG	FRANCE
JUL	GOSUDARSTVENNYJ UNIV. (STATE UNIV.), LENINGRAD	U.S.S.R.
SUR	U. OF SURREY, GUILFORD	U.K.
TEH	TEHRAN UNIVERSITY NUCLEAR CENTRE, TEHRAN	IRAN
TIT	TOKYO INST. OF TECHNOLOGY, TOKYO	JAPAN
TNL	TRIANGLE U. NUCL. LAB, DURHAM, NC	U.S.A.
TOK	TOKYO UNIV., TOKYO	JAPAN
TRM	BHABHA ATOM. RES. CENTRE, TROMBAY	INDIA
TUE	UNIVERSITAET TUEBINGEN	GERMANY, FR
UBC	UNIV. OF BRITISH COLUMBIA, VANCOUVER, B.C.	CANADA
UFT	UKRAINSKIJ FIZIKO-TEKHNICHESKIJ INST., KHARKOV	U.S.S.R.
UPP	U. OF UPPSALA	SWEDEN
WAS	WASHINGTON UNIV., ST. LOUIS, MISSOURI	U.S.A.
WAU	UNIV. OF WASHINGTON, SEATTLE, WASH.	U.S.A.
WHA	WARSAWA, UNIVERSITY	POLAND
WWS	WESTERN WASHINGTON STATE COLLEGE, BELLINGHAM, WASH.	U.S.A.
WZI	WEIZMANN INSTITUTE, REHOVOTH, ISRAEL	ISRAEL
YAL	YALE UNIV., NEW HAVEN, CONNECTICUT	U.S.A.
ZUR	ZURICH	SWITZERLAND

APPENDIX E--SOME ABBREVIATIONS USED IN "COMMENTS"

DED	Deduced
FRM	From
CALC	Calculated
MOD	Model
G	Gamma
A	Alpha
P	Proton
FCT	Factor
INTAD	Integrated Angular Distribution
B	Barn
M	Milli- or Mega- or minutes. Depends on context.
EV	Electron volt
CI C	} Curie
S	Seconds
H	Hours
AMP	Ampere
SS	Stainless Steel

APPENDIX F--ENERGY ABBREVIATIONS

In addition to the representation of an energy in a standard five-character format (e.g. 1.7+1 means 17. MeV), several abbreviations are employed. These are

NDG	No data given.
+n	From the information given, the scanner has been able to obtain only a rough estimate of the energy (e.g., +0 implies that the energy is in the MeV range).
TR	Threshold
SCR	Solar Cosmic Ray Spectrum
GCR	Galactic Cosmic Ray Spectrum