INTEGRAL CHARGED PARTICLE NUCLEAR DATA BIBLIOGRAPHY

Literature scanned from April 1, 1985, through March 31, 1986

**N.E. HOLDEN
S. RAMAVATARAM
C.L. DUNFORD** **DISCLAIMER**

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April 1986

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TABLE OF CONTENTS

INTRODUCTION

I.	<i>Introduction</i>	iv
II.	<i>Scope</i>	v
III.	<i>Dates of Coverage</i>	vi
IV.	<i>Secondary Sources of Information</i>	vii
V.	<i>Organization</i>	vii
VI.	<i>Compilations and Evaluations</i>	vii
VII.	<i>Methods of Radioisotope Production</i>	viii
VIII.	<i>Retrieval Capabilities</i>	viii
IX.	<i>Acknowledgements</i>	ix

REFERENCES	1
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TARGET INDEX	13
--------------	----

RESIDUAL INDEX	25
----------------	----

LIST OF THE ELEMENTS	Back Cover
----------------------	------------

I. INTRODUCTION

This publication is the annual supplement to the first edition published in 1984. The primary goal of this publication has been to satisfy the need expressed by the Nuclear Reaction Data Center Network* for a concise and comprehensive bibliography of integral charged-particle cross section data. The reader is referred to Table 2 for a partial list of other bibliographies relevant to charged-particle-induced reaction data and to "A Source List of Nuclear Data Bibliographies, Compilations, and Evaluations"¹ for a more comprehensive list. Since this publication is not cumulative, earlier versions are also shown in Table 2.

This publication makes use of a modification to the database of the Nuclear Structure References (NSR) file (see the first entry in Table 2). This modification allows the retrieval of integral charged particle nuclear data entries from the NSR file. Last year, presentation of various sections was changed as a result of user suggestions. There are no further changes this year, but the authors still welcome users' comments.

Table 1 Centers Participating in the Compilation and Exchange of Charged-Particle Nuclear Data†

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
Serves the Union of Soviet Socialist Republics

National Nuclear Data Center, Brookhaven National Laboratory
Upton, NY USA 11973
Serves the United States and Canada

Nuclear Data Section, International Atomic Energy Agency
P.O.B. 100, A-1400,
Vienna, Austria
Serves non-OECD countries except for the USSR

Nuclear Energy Agency Data Bank
B.P. 9, F-91190
Gif-Sur-Yvette, France
Serves OECD countries except for the United States and Canada

Nuclear Data Group
RIKEN Institute of Physical and Chemical Research
Wako-Shi, Saitama, Japan 351-01

Chinese Nuclear Data Center
Institute of Atomic Energy,
Academia Sinica, P.O. Box 275
Beijing, China

*See Table 1 and the introduction to CINDA, "The Index to the Literature and Computer Files on Microscopic Neutron Data", published by the International Atomic Energy Agency, Vienna, for members of the network.

¹T.W. Burrows and N.E. Holden. A Source List of Nuclear Data Bibliographies, Compilations, and Evaluations. BNL-NCS-50702, Second Edition (1978).

†NOTE: Requests for information should be directed to the appropriate service center.

Table 2

Other Nuclear Data Bibliographic Sources

1. W.B. Ewbank, *et al.* Nuclear Structure References. 1969-1974. Nuclear Data Sheets 16, Supplement. Academic Press, NY (1975).
S. Ramavataram, *et al.* "Recent References". 3 issues/year with the last issue cumulative for the year in Nuclear Data Sheets. Academic Press, NY.
2. INIS Atomindex. International Atomic Energy Agency, Vienna.
3. F.K. McGowan and W.T. Milner. *Reaction List for Charged-Particle-Induced Reactions*. Atomic Data Nuclear Data Reprints 2, Academic Press, NY (1974).
Nuclear Data Tables A11, 1. Academic Press (1972).
Atomic Data Nuclear Data Tables 12, 499. Academic Press, NY (1973).
Atomic Data Nuclear Data Tables 15, 189. Academic Press, NY (1975).
Atomic Data Nuclear Data Tables 18, 1. Academic Press, NY (1976).
4. N.E. Holden and T.W. Burrows. *The Bibliography of Integral Charged Particle Nuclear Data*. BNL-NCS-50640 (1982). Fourth Edition, Supplement 2.

T.W. Burrows and G. Wyant. *The Bibliography of Integral Charged Particle Nuclear Data*. BNL-NCS-50640 (1981). Fourth Edition, Supplement 1.

T.W. Burrows and P. Dempsey. *The Bibliography of Integral Charged Particle Nuclear Data*. BNL-NCS-50640 (1980). Fourth Edition, (Archival Edition).
5. N.E. Holden, *et al.* *Integral Charged Particle Nuclear Data Bibliography*. BNL-NCS-51771 (1985). First Edition, Supplement 1.

N.E. Holden, *et al.* *Charged Particle Nuclear Data Bibliography*. BNL-NCS-51771 (1984). First Edition.

II. SCOPE

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

1. Excitation functions, thick target, or product yields[§] leading to the formation of a ground or metastable state. This includes such quantities as fission yields, isomeric ratios, and excitation functions for specific particle groups, where such data can readily yield information on the excitation functions or the thick target yields for the metastable or the ground state.
2. The atomic mass and charge of the incident particle must be greater than or equal to 1.
3. The atomic mass of the target must be greater than or equal to 1.
4. The atomic masses of the outgoing and residual nuclei must be greater than or equal to 1 with the exception of processes which do not lead to a definite residual nucleus (e.g. total cross sections) and of gamma-ray production cross sections.

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

5. The incident particle energy must have a minimum of less than 100 MeV in the laboratory system.

EXCEPTIONS: 1. If there are data in an article satisfying the above criteria and additional data satisfying all the criteria except minimum energy, these additional data are also cited.

III. DATES OF COVERAGE

The coverage for this bibliography includes all journals, reports, and other publications scanned between April 1, 1985, and March 31, 1986.

Table 3 lists the coverage of 30 "core" journals to give an indication of how current this bibliography is in journal coverage. A complete list of the journal and report coverage may be obtained from the authors.

Table 3
"Core" Journal Coverage

Journal [‡]	Last Issue Scanned		Journal [‡]	Last Issue Scanned	
	Vol.	No.		Vol.	No.
Acta Phys.Pol.B	16	11	Lett.Nuovo Cim.	44	7
Ann.Nucl.Energy	13	2	Nucl.Inst.Meth.	244	2
Ann.Phys.(N.Y.)	166	1	Nucl.Phys.A	449	3
At.Energy	58	6	Nucl.Sci.Eng.	92	3
Aust.J.Phys.	38	5	Nuovo Cim.A	90	3
Bull.Am.Phys.Soc.	31	3	Phys.Scr.	33	2
Can.J.Phys.	63	11	Phys.Rev.C	33	2
Chin.J.Nucl.Phys.	7	3	Phys.Rev.Lett.	56	9
Czech.J.Phys.B	36	1	Phys.Lett.B	167	3
Helv.Phys.Acta	59	1	Pramana	25	4
Int.J.Appl.Radiat.Isotop.	37	1	Progr.Theor.Phys.	74	5
Izv.Akad.Nauk SSSR, Ser.Fiz.	49	12	Radiochim.Acta	38	2
J.Phys.Soc.Jpn.	54	10	Ukr.Fiz.Zh.	30	11
J.Phys.(London) G	12	2	Yad.Fiz.	42	6
J.Radioanal.Nucl.Chem.	96	2	Z.Phys.A	322	4

[‡] Journal abbreviations are in agreement with those from the Chemical Abstracts Service for 1970. See also TID-4579-R9.

IV. SECONDARY SOURCES OF INFORMATION

Since this bibliography is designed to be both archival and current, abstracts, theses, progress reports, etc. have been included.

V. ORGANIZATION

This bibliography is divided into three sections, 'References', 'Target Index', and 'Residual Index'. The 'References' section contains all references satisfying the criteria noted previously and is organized as described in the next paragraph. Entries in the 'References' section are key-numbered. These keynumbers serve as a link between the three sections. The 'Target Index' section contains the incident particle energy and the abbreviated reference lines for all the entries, which contain information on a definite target nucleus and reaction. These reference lines contain the Journal name, followed by the volume and page number, as well as the keynumber of the reference. This section is described in more detail in a later paragraph. The 'Residual Index' section also contains the incident particle energy and the abbreviated reference lines for all the entries, which contain information on a definite residual nucleus, and a definite target-reaction, as well as the keynumber of the reference. This section is described in more detail in a later paragraph.

The 'References' section is ordered by keynumber. This keynumber is composed of two digits which correspond to the year of publication, followed by the first two letters of the first author's name, and completed with a two digit running number to distinguish entries which have the same first four symbols. The reference gives all authors by name and initials, the Journal title, volume number, page number, year and the full title of the article. A list of keywords is given, which are designed to tell the reader what experimental results are reported in the article and what the author concluded from these results.

The 'Target Index' section contains information on those references to a particular reaction on a particular target nucleus at a given energy. The section is ordered by increasing Z of the target nucleus, and by increasing A of the target. For a given target the ordering is by increasing Z and A of the incident projectile, and finally by increasing Z and A of the sum of the outgoing particles. The incident energy, the abbreviated reference and keynumber complete the entry line.

The 'Residual Index' section contains information on those references to the production of a particular residual nucleus at a given energy. The section is ordered by increasing Z and A of the residual nucleus, and then by increasing Z and A of the incident projectile. The incident energy, the abbreviated reference and the keynumber complete the entry line.

VI. COMPILATIONS AND EVALUATIONS

To enhance the usefulness of this bibliography several compilations, evaluations, and reviews are given in Table 4. Reference 1 contains a more comprehensive list.

Table 4

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

1. R.J. Howerton. Maxwell-Averaged Reaction Rates ($\overline{\sigma v}$) for Selected Reactions between Ions with Atomic Mass ≤ 11 . UCRL-50400 Vol. 21, Pt. A (1979).
2. K.A. Keller, et al. *Q-Values and Excitation Functions of Nuclear Reactions*. Landholt-Boernstein, Group I, Vol. 5. Parts A-C. Springer-Verlag, Berlin (1973).

3. H.J. Kim, *et al.* *Nuclear Cross Sections for Charged-Particle-Induced Reactions*. Nucl. Data A1, 203. Academic Press, NY (1965).
 Nucl. Data A2, 1. Academic Press, NY (1966).
 Nucl. Data A3, 123. Academic Press, NY (1967).
4. H. Liskien and A. Paulsen. *Neutron Production Cross Sections and Energies for the Reactions $T(p,n)^3\text{He}$, $D(d,n)^3\text{He}$, and $T(d,n)^4\text{He}$* . Nucl. Data Tables 11, 569. Academic Press, NY (1973).
Neutron Production Cross Sections and Energies for the Reactions $^7\text{Li}(p,n)^7\text{Be}$ and $^7\text{Li}(p,n)^7\text{Be}^$* . At. Data Nucl. Data Tables 15, 57. Academic Press, NY (1975).
5. F.K. McGowan, *et al.* *Nuclear Cross Sections for Charged-Particle Induced Reactions Mn, Fe, Co*. ORNL-CPX-1 (1964).
 Nuclear Cross Sections for Charged-Particle Induced Reactions Ni, Cu. ORNL-CPX-2 (1964).
6. H. Muenzel, *et al.* *Karlsruhe Charged Particle Reaction Data Compilation*.
 Physik Daten 15-Index (1979).
 Physik Daten 15-1 (1979).
 Physik Daten 15-2 (1979).
 Physik Daten 15-3 (1982).
 Physik Daten 15-4 (1982).
 Physik Daten 15-5 (1982).
7. W. Neubert. *Peak Cross Sections for (H^1, xn) Reactions*. Nucl. Data Tables A11, 531. Academic Press, NY (1973).
8. S. Pearlstein. *Starter Evaluated Charged Particle Data Library*. BNL-19148 (1974).
9. S.T. Perkins and D.E. Cullen. *Experimental and Evaluated Nuclear Plus Interference Cross Sections for Light Charged Particles*. Nucl. Sci. Eng. 77(1), 20 (1981).
 ibid. UCRL-50400 Vol. 15, Pt. F.

VII. METHODS OF RADIOISOTOPE PRODUCTION

While this publication should be very useful in providing the sources of cross section data for radioisotope production, its scope does not include the indexing of techniques for radioisotope or labelled-compound production. The Radiopharmaceutical Research Group, Chemistry Department, Brookhaven National Laboratory does index such techniques for accelerators.²

VIII. RETRIEVAL CAPABILITIES

Retrievals may be obtained from this Charged-Particle Bibliography using the Nuclear Structure References file, based on target nucleus, incident particle, outgoing particles or reactions, residual nuclide, topic, or any combination of these. The term topic refers to the integral cross section, (σ), the thick target yield, (TTY), or the product yield, (yield). Additional criteria are list of keynumbers of the references, publication date, and entry date. Send requests to:

National Nuclear Data Center
 Building 197D
 Upton, NY 11973
 U.S.A.

²D.R. Christman and K.I. Karlstrom. *Accelerator Produced Nuclides for Use in Biology and Medicine. A Bibliography, 1939-1973*. BNL-50448 (1975).

K.I. Karlstrom and D.R. Christman. *Accelerator Produced Nuclides for Use in Biology and Medicine. A Bibliography, January 1974 - June 1976*. BNL-50448-Vol. II (1978).

K.I. Karlstrom and D.R. Christman. *Accelerator Produced Nuclides for Use in Biology and Medicine. A Bibliography, July 1976 - December 1980*. BNL-50448-Vol. III (1983).

For more detailed information, contact the authors.

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

IX. ACKNOWLEDGEMENTS

The charged-particle activities at the National Nuclear Data Center have been supported by the Office of Basic Energy Sciences, US Department of Energy.

- 83Ba64 K.A.Baskova, A.B.Vovk, L.Ya.Shavtvalov - *Izv.Akad.Nauk SSSR, Ser.Fiz.* 47, 2228 (1983) - γ -Radiation Spectra Produced in the Reaction $^{128,130}\text{Te}(\alpha,2n\gamma)$
NUCLEAR REACTIONS $^{128,130}\text{Te}(\alpha,2n)$, $E=6-30$ MeV; measured E_γ, I_γ , relative γ yields. ^{132}Xe deduced transitions, isomer $T_{1/2}$. Enriched targets, Ge(Li) detectors.
- 83Se19 M.E.Sevior, L.W.Mitchell, M.R.Anderson, C.I.W.Tingwell, D.G.Sargood - *Aust.J.Phys.* 36, 463 (1983); Corrigendum *Aust.J.Phys.* 37, 709 (1984) - Absolute Cross Sections of Proton Induced Reactions on ^{65}Cu , ^{64}Ni and ^{63}Cu
NUCLEAR REACTIONS $^{65}\text{Cu}(p,\gamma)$, $E=1.05-3.25$ MeV; $^{65}\text{Cu}(p,\gamma)$, $E=1.05-4.7$ MeV; $^{64}\text{Ni}(p,\gamma)$, $E=1-3.45$ MeV; $^{63}\text{Cu}(p,p')$, $E=1.05-4$ MeV; $^{65}\text{Cu}(p,n)$, $E=\text{threshold}-3.25$ MeV; $^{64}\text{Ni}(p,n)$, $E=\text{threshold}-3.8$ MeV; $^{63}\text{Cu}(p,n)$, $E=\text{threshold}-4.86$ MeV; measured absolute $\sigma(E)$. Global statistical model calculations.
- 83Va28 O.I.Vasileva, V.M.Lebedev, A.V.Spassky, I.B.Teplov, L.N.Fateeva - *Izv.Akad.Nauk SSSR, Ser.Fiz.* 47, 2248 (1983) - Study of the (αd) and (αt) Reactions on $^{10,11}\text{B}$ Nuclei at $E(\alpha) \approx 30$ MeV
NUCLEAR REACTIONS $^{10,11}\text{B}(\alpha, d)$, (α, t) , $E=25-30$ MeV; measured $\sigma(\theta)$; deduced reaction mechanism, optical model parameters, residual level production σ . $^{11,12,13}\text{C}$ levels deduced L. DWBA analysis.
- 84Dm01 P.P.Dmitriev, M.V.Panarin - *At.Energ.* 57, 130 (1984); *Sov.At.Energ.* 57, 571 (1984) - Yields of ^{42}K and ^{43}K Upon Irradiation of Calcium by Protons and Deuterons
NUCLEAR REACTIONS $^{44,43}\text{Ca}(p,2p)$, $^{46}\text{Ca}(p,\alpha)$, $^{44}\text{Ca}(p,n2p)$, $^{48}\text{Ca}(p,2n\alpha)$, $^{42,43}\text{Ca}(d,2p)$, $^{43}\text{Ca}(d,n2p)$, $^{46}\text{Ca}(d,n\alpha)$, $^{44}\text{Ca}(d,\alpha)$, $^{46}\text{Ca}(d,2n\alpha)$, $E=\text{threshold}-22$ MeV; measured residuals production yield. Activation technique.
- 84Gu30 B.Ya.Guzhovskiy, B.M.Dzyuba, V.N.Protopopov - *Pisma Zh.Eksp.Teor.Fiz.* 40, 487 (1984); *JETP Lett.(USSR)* 40, 1322 (1984) - Observation of Giant Gamow-Teller Resonance in the Compound Nucleus ^{118}Sb
NUCLEAR REACTIONS $^{117}\text{Sn}(p,n)$, $E=4.75-10.25$ MeV; measured $\sigma(E)$. ^{118}Sb deduced possible Gamow-Teller resonance, Γ, Γ_p, J, π .
- 84Ma67 G.J.Mathews, F.S.Dietrich - *Astrophys.J.* 287, 969 (1984) - The $^{13}\text{N}(p,\gamma)^{14}\text{O}$ Thermonuclear Reaction Rate and the Hot CNO Cycle
NUCLEAR REACTIONS $^{13}\text{N}(p,\gamma)$, $E=\text{resonance}$; calculated thermonuclear capture σ , reaction rate. ^{14}O level deduced Γ . Semi-direct radiative capture model.
- 84MoZS T.Motobayashi, K.Okada, T.Shibata, H.Sakai, A.Shimizu - *RCNP (Osaka), Ann.Rept.*, 1983, p.71 (1984) - Energy Dependence of the Reaction Mechanism for ^3He and α Induced Reactions on ^{165}Ho
NUCLEAR REACTIONS $^{165}\text{Ho}(^3\text{He}, p)$, $(^3\text{He}, d)$, $E=40, 70, 110$ MeV; $^{165}\text{Ho}(\alpha, d)$, (α, p) , $E=50, 80, 110$ MeV; measured angle integrated energy spectra; deduced fusion $\sigma(E)$, reaction mechanism.
- 84Pa23 T.Paradellis, G.Vourvopoulos, E.Paleodimopoulos - *J.Radioanal.Nucl.Chem.* 84, 263 (1984) - The Production of Gallium-67 with a Tandem Accelerator
NUCLEAR REACTIONS $^{68}\text{Zn}(d,n)$, $E=7, 8.4, 9, 10$ MeV; $^{68}\text{Zn}(d,2n)$, $E=8.4$ MeV; measured residual yields, ratio. Activation technique, radiochemical separation.
- 84Po27 F.Porto, S.Sambataro - *Nuovo Cim.* 83A, 339 (1984); Erratum *Nuovo Cim.* 85A, 358 (1985) - Heavy-Ion Fusion Cross-Sections Predicted by a Phenomenological Formula
NUCLEAR REACTIONS $^{12}\text{C}(^{12}\text{C}, X)$, $(^{27}\text{Al}, X)$, $^{40}\text{Ca}, ^{27}\text{Al}(^{18}\text{O}, X)$, $^{27}\text{Al}(^{20}\text{Ne}, X)$, $(^{32}\text{S}, X)$, $^{24}\text{Mg}(^{32}\text{S}, X)$, $^{40}\text{Ca}(^{19}\text{F}, X)$, $^{50}\text{Cr}(^{12}\text{C}, X)$, $E \approx 25-500$ MeV; calculated fusion $\sigma(E)$. Phenomenological model, universal parameters.
- 84Ro25 E.A.Romanovsky, T.I.Spaskaya, K.Kadim - *Izv.Akad.Nauk SSSR, Ser.Fiz.* 48, 977 (1984) - Elastic Scattering of Protons with $E(p) \leq 15$ MeV by ^{24}Mg
NUCLEAR REACTIONS $^{24}\text{Mg}(p,p)$, $E \leq 15$ MeV; measured $\sigma(\theta)$ vs E ; deduced reaction, compound elastic $\sigma(E)$. Optical model analysis.
- 84Ro29 M.Rousseau, C.Friedli, P.Lerch - *Radiochim.Acta* 37, 1 (1984) - Excitation Functions for the $^{11}\text{B}(^{18}\text{O}, pn)^{27}\text{Mg}$ and $^{32}\text{S}(^{18}\text{O}, t)^{47}\text{V}$ Reactions
NUCLEAR REACTIONS $^{11}\text{B}(^{18}\text{O}, np)$, $E=15-44$ MeV; $^{32}\text{S}(^{18}\text{O}, t)$, $E=27-44$ MeV; measured $E_\gamma, I_\gamma, \gamma\gamma$ -coin; deduced $\sigma(E)$, yield.
- 84Sa28 V.S.Sadkovsky, G.A.Feofilov, A.E.Denisov, R.P.Kolalis, L.Peres Tamaio - *Izv.Akad.Nauk SSSR, Ser.Fiz.* 48, 995 (1984) - Dependence of the Integral Inelastic Scattering Cross Section of 24 MeV α -Particles on $^{12}\text{C}, ^{16}\text{O}, ^{18}\text{O}, ^{19}\text{F}, ^{20}\text{Ne}$ and ^{22}Ne on the Excited State Energies
NUCLEAR REACTIONS $^{12}\text{C}, ^{16}\text{O}, ^{18}\text{O}, ^{19}\text{F}, ^{20}\text{Ne}(\alpha, \alpha')$, $E=24$ MeV; measured $\sigma(\theta)$; deduced σ , dependence on target excitation.

- 84Sa33 M.Sajjad, R.M.Lambrecht, A.P.Wolf - Radiochim.Acta 36, 159 (1984) - Cyclotron Isotopes and Radiopharmaceuticals. XXXIV. Excitation Function for the $^{15}\text{N}(\text{p},\text{n})^{15}\text{O}$ Reaction
NUCLEAR REACTIONS $^{15}\text{N}(\text{p},\text{n})$, $E=3.72-16.58$ MeV; measured residuals absolute $\sigma(E)$, thick target yield vs E. Enriched target, activation technique.
- 84ShZP T.Shibata - RCNP (Osaka), Ann.Rept., 1983, p.124 (1984) - The Escape Probabilities Estimated Using an Exciton Model for the First Doorway States Produced by Various Reactions
NUCLEAR REACTIONS $^{197}\text{Au}(\alpha,\text{n})$, $(\alpha,2\text{n})$, $(\alpha,3\text{n})$, $(\alpha,4\text{n})$, $(\alpha,5\text{n})$, $(\alpha,6\text{n})$, $(\alpha,7\text{n})$, $(\alpha,8\text{n})$, $(\alpha,9\text{n})$, $E=20-120$ MeV; measured $\sigma(E)$. $^{92}\text{Zr}(\alpha,\alpha'\text{n})$, $E=109$ MeV; measured $\sigma(\theta,\text{Ea},\text{En})$.
- 84Vd01 A.I.Vdovin, I.G.Golikov, I.I.Loshakov - Yad.Fiz. 39, 532 (1984) - Reaction $^{12}\text{C}(\text{p},2\text{p})^{11}\text{B}$ at the Proton Energy of 50 MeV
NUCLEAR REACTIONS $^{12}\text{C}(\text{p},2\text{p})$, $E=50$ MeV; measured $\sigma(\theta_{\text{p}_1})$, $\sigma(\theta(^{11}\text{B}))$, $\sigma(\text{Ep}_1)$, $\sigma(\text{E}(^{11}\text{B}))$ vs momentum; deduced reaction mechanism, residual level production σ . Nonlocal, realistic t-matrix, quasielastic knockout, two-stage processes.
- 84Vd02 A.I.Vdovin, I.G.Golikov, I.I.Loshchakov - Yad.Fiz. 39, 1321 (1984) - $^{14}\text{N}(\text{p},2\text{p})^{13}\text{C}$ -Reaction near 50 MeV Energy
NUCLEAR REACTIONS $^{14}\text{N}(\text{p},2\text{p})$, $E=50$ MeV; calculated $\sigma(\text{Ep}_1, \text{Ep}_2)$, proton momentum spectra; deduced residual level production σ . Quasielastic, two-step processes.
- 85An26 M.F.Andreev, V.V.Gladkov, V.A.Zavgorodny, V.I.Serov - Yad.Fiz. 42, 1348 (1985) - Fission with Pre-Emission of γ Quanta in the Reaction $^{239}\text{Pu}(\text{d},\text{pf})$
NUCLEAR REACTIONS $^{239}\text{Pu}(\text{d},\text{p}\text{f})$, $E=11.7, 12.3$ MeV; measured neutron, γ yields following fission.
- 85Ar14 D.S.Armstrong, S.K.Saha, C.-W.Cheng, E.Adamides, A.Henrikson, M.A.Lone, B.C.Robertson - Nucl.Phys. A441, 397 (1985) - Gamma-Ray Strength Function of ^{198}Hg
NUCLEAR REACTIONS $^{197}\text{Au}(\text{p},\gamma)$, $E=4$ MeV; measured $\sigma(E_\gamma)$; deduced γ -production σ . ^{198}Hg deduced E1 γ -strength function. Natural target.
- 85Ar24 A.Archenti, C.Wasilevsky, M.De La Vega Vedoya, S.J.Nassiff - Radiochim.Acta 38, 65 (1985) - (α, xn) Reactions on Natural Erbium
NUCLEAR REACTIONS $^{168,167,166,170}\text{Er}(\alpha,\text{xn})$, $^{165}\text{Yb}/^{166}\text{Yb}/^{167}\text{Yb}/^{169}\text{Yb}$, $E=10-55$ MeV; measured absolute $\sigma(E)$, residual thick target, saturation yields. Activation, stacked foil techniques.
- 85Ba29 B.B.Back, R.R.Betts, J.E.Gindler, B.D.Wilkins, S.Saini, M.B.Tsang, C.K.Gelbke, W.G.Lynch, M.A.McMahan, P.A.Baisden - Phys.Rev. C32, 195 (1985); Erratum Phys.Rev. C33, 385 (1986) - Angular Distributions in Heavy-Ion-Induced Fission
NUCLEAR REACTIONS $^{208}\text{Pb}, ^{232}\text{Th}, ^{238}\text{U}, ^{248}\text{Cm}(^{16}\text{O},\text{f})$, $E=85-148$ MeV; $^{208}\text{Pb}(^{18}\text{F},\text{f})$, $E=110-190$ MeV; $^{208}\text{Pb}(^{24}\text{Mg},\text{f})$, $E=140-210$ MeV; $^{208}\text{Pb}(^{28}\text{Si},\text{f})$, $E=160-260$ MeV; $^{197}\text{Au}(^{32}\text{S},\text{f})$, $E=185-255$ MeV; $^{208}\text{Pb}(^{32}\text{S},\text{f})$, $E=180-266$ MeV; measured total fission $\sigma(E)$, $\sigma(\theta)$ vs E. Standard fission theory analysis.
- 85Ba46 S.Baba, K.Hata, M.Izumo, R.Motoki, T.Sekine - Int.J.Appl.Radiat.Isotop. 36, 564 (1985) - Preparation of ^{237}Pu from ^{237}Np Irradiated with Deuterons
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NUCLEAR REACTIONS $\text{Cu}(p,x)^{58}\text{Co}, ^{63}\text{Cu}(p,2n), ^{65}\text{Cu}(p,n), E=4-33$ MeV; measured residual production $\sigma(E)$.
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NUCLEAR REACTIONS $^{58}\text{Ni}(^{28}\text{Si},\text{pa}), E=80-130$ MeV; $^{58}\text{Ni}(^{28}\text{Si},2n3p), E=100-130$ MeV; measured $\sigma(E)$, $\sigma(\theta)$, (particle) γ -, $\gamma\gamma$ -coin. ^{81}Y deduced levels, possible J, π , γ -branching ratios. Ge(Li), Ge, Si detectors, enriched targets.
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NUCLEAR REACTIONS $^{111}\text{Cd}(p,n), (p,2n), (p,3n), (p,4n), ^{109}\text{Ag}(^3\text{He},n), (^3\text{He},2n), (^3\text{He},3n), (^3\text{He},4n), E=\text{threshold}-50$ MeV; measured residuals isomer plus ground state production $\sigma(E)$. Stacked foils, activation technique, preequilibrium emission.
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NUCLEAR REACTIONS $^{42}\text{Ca}(\alpha,\gamma), E=3.42-5.62$ MeV; $^{42}\text{Ca}(\alpha,p\gamma), E=4.06-5.92$ MeV; $^{42}\text{Ca}(\alpha,p), E=4.78-5.92$ MeV; measured γ -ray, proton yields; deduced $\sigma(E)$, thermonuclear reaction rates. Statistical-model analysis. Enriched targets.
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NUCLEAR REACTIONS $^{232}\text{Th}(p,6n), E \approx 35-100$ MeV; $^{232}\text{Th}(p,7n), E \approx 45-90$ MeV; calculated $\sigma(E)$. $^{232}\text{Th}(p,F)^{128}\text{Cs}/^{130}\text{Cs}/^{132}\text{Cs}/^{134}\text{Cs}/^{136}\text{Cs}/^{138}\text{Cs}/^{140}\text{Cs}/^{142}\text{Cs}/^{144}\text{Cs}/^{146}\text{Cs}, E=97$ MeV; $^{232}\text{Th}(p,F)^{85}\text{Rb}/^{86}\text{Rb}/^{87}\text{Rb}/^{88}\text{Rb}/^{89}\text{Rb}/^{90}\text{Rb}/^{91}\text{Rb}/^{92}\text{Rb}/^{93}\text{Rb}/^{94}\text{Rb}/^{95}\text{Rb}/^{96}\text{Rb}/^{97}\text{Rb}, E=29,59,75,97$ MeV; calculated residual production σ following fission. Ir(p,F), $E=40-160$ MeV; calculated fission $\sigma(E)$.
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NUCLEAR REACTIONS $^{12}\text{C}(^{12}\text{C},^{12}\text{C}), E(\text{cm})=17.5-21.5$ MeV; measured $\sigma(\theta), \sigma(E)$. ^{24}Mg deduced intermediate resonances, J, π . Optical model plus multi-level resonance calculation.
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NUCLEAR REACTIONS $^{209}\text{Bi}(\alpha, \text{f})$, $^{85}\text{Kr}/^{85\text{m}}\text{Kr}/^{91}\text{Sr}/^{92}\text{Sr}/^{93}\text{Zr}/^{97}\text{Zr}/^{99}\text{Mo}/^{103}\text{Ru}/^{104}\text{Tc}/^{105}\text{Ru}/^{112}\text{Pd}/^{115}\text{Cd}$, $E=49.1, 44.9$ MeV; measured fission product production σ , fission fragment mass distribution. $^{27}\text{Al}(\alpha, \text{n}4\text{p}), (\alpha, \text{n}4\text{p}), (\alpha, 3\text{p})$, $E=49.6, 45.4$ MeV; measured residual production σ . Activation technique.
- 85Ro11 E.A.Romanovsky - Yad.Fiz. 41, 607 (1985) - Proton Optical Potential of ^{51}V at Near-Barrier Energies
NUCLEAR REACTIONS $^{51}\text{V}(\text{p,n})$, $E=2-12$ MeV; analyzed $\sigma(E), \sigma(\theta)$, polarization vs θ , compound elastic, reaction $\sigma(E)$; deduced model parameters. Optical model.
- 85Ro14 E.A.Romanovsky, T.I.Spaskaya, A.M.Borisov, I.R.Gulamov, S.A.Goncharov, S.V.Ermakov, K.Kadim - Yad.Fiz. 41, 1410 (1985) - Measurement and Analysis of Energy Dependences of Cross Sections and Polarization in Proton Scattering on ^{24}Mg for Low and Intermediate Energies
NUCLEAR REACTIONS $^{24}\text{Mg}(\text{p,p})$, $E=5.7-7.6$ MeV; calculated $\sigma(\theta)$, polarization vs θ , $E, \sigma(E)$, reaction, compound elastic $\sigma(E)$; deduced optical model parameter energy dependences.
- 85Ru03 T.J.Ruth - Int.J.Appl.Radiat.Isotop. 36, 107 (1985) - The Production of $^{18}\text{F}-\text{F}_2$ and $^{15}\text{O}-\text{O}_2$ Sequentially from the Same Target Chamber
NUCLEAR REACTIONS $\text{Ne}(\text{p,X})^{18}\text{F}$, $E=40$ MeV; $^{18}\text{O}(\text{p,np})$, $E=29$ MeV; measured residuals yields. Gas target.
- 85Sa23 K.Sakamoto, M.Dohniwa, K.Okada - Int.J.Appl.Radiat.Isotop. 36, 481 (1985) - Excitation Function for (p,xn) and (p,pxn) Reactions on Natural $^{79+81}\text{Br}$, $^{85+87}\text{Rb}$, ^{127}I and ^{133}Cs upto $E(\text{p}) = 52$ MeV
NUCLEAR REACTIONS $^{79,81}\text{Br}(\text{p,xn}), (\text{p,xnp})$, $^{76}\text{Kr}/^{77}\text{Kr}/^{78}\text{Kr}/^{77}\text{Br}/^{76}\text{Br}$, $E=\text{threshold}-52$ MeV; $^{85,87}\text{Rb}(\text{p,xn}), (\text{p,xnp})$, $^{87\text{m}}\text{Sr}/^{87\text{m}}\text{Sr}/^{85}\text{Sr}/^{85\text{m}}\text{Sr}/^{83}\text{Sr}/^{86}\text{Rb}/^{84}\text{Rb}$, $E=\text{threshold}-52$ MeV; $^{127}\text{I}(\text{p,xn}), (\text{p,xnp})$, $^{127}\text{Xe}/^{125}\text{Xe}/^{123}\text{Xe}/^{126}\text{I}/^{124}\text{I}$, $E=\text{threshold}-52$ MeV; $^{133}\text{Cs}(\text{p,xn}), (\text{p,xnp})$, $^{133}\text{Ba}/^{133\text{m}}\text{Ba}/^{131}\text{Ba}/^{131\text{m}}\text{Ba}/^{129}\text{Ba}/^{132}\text{Cs}/^{130}\text{Cs}$, $E=\text{threshold}-52$ MeV; measured residuals production $\sigma(E)$. Activation technique, preequilibrium decay.
- 85Sa35 M.Sajjad, R.M.Lambrecht, A.P.Wolf - Radiochim.Acta 38, 57 (1985) - Cyclotron Isotopes and Radiopharmaceuticals. XXXVI. Investigation of Some Excitation Functions for the Preparation of ^{15}O , ^{13}N and ^{11}C
NUCLEAR REACTIONS $^{14}\text{N}(\text{d,n})$, $E=1.08-12.28$ MeV; $^{15}\text{N}(\text{p,n}\alpha), (\text{p,nd}), (\text{p,nt})$, $E=12.55-29.78$ MeV; $^{14}\text{N}(\text{d,n}\alpha), (\text{d,nd}), (\text{d,nt})$, $E=8-12.28$ MeV; $^{18}\text{O}(\text{p,np})$, $E=16.7-32.82$ MeV; measured $\sigma(E)$; calculated thick target yield vs E .
- 85Sh21 M.M.Shalaby, G.R.Satchler - Nucl.Phys. A442, 469 (1985) - Optical Potential Ambiguities and Fusion Cross Sections for Heavy Ions
NUCLEAR REACTIONS $^{26}\text{Mg}(^{32}\text{S}, ^{32}\text{S})$, $E(\text{cm}) \approx 18-32$ MeV; calculated absorption $\sigma(E)$; deduced imaginary potential role.
- 85Si10 K.P.Singh, D.C.Tayal, B.K.Arora, T.S.Cheema, H.S.Hans - Can.J.Phys. 63, 483 (1985) - Coulomb Excitation of ^{133}Cs with Protons
NUCLEAR REACTIONS $^{133}\text{Cs}(\text{p,p}')$, $E=3.2-4.2$ MeV; measured Coulomb excitation, thick target γ yields vs $E, \gamma, \gamma(\theta)$. ^{133}Cs deduced levels, γ -branching, $B(\lambda), \delta, J, \pi$.
- 85So03 L.P.Somerville, M.J.Nurmi, J.M.Nitschke, A.Ghiorso, E.K.Hulet, R.W.Lougheed - Phys.Rev. C31, 1801 (1985) - Spontaneous Fission of Rutherfordium Isotopes
NUCLEAR REACTIONS $^{244}\text{Pu}(^{22}\text{Ne}, 4\text{n})$, $E=113$ MeV; $^{248}\text{Cm}(^{18}\text{O}, 4\text{n})$, $E=89$ MeV; $^{249}\text{Cf}(^{18}\text{O}, 3\text{n}\alpha)$, $E=96$ MeV; $^{248}\text{Cm}(^{18}\text{O}, 4\text{n})$, $E=92$ MeV; $^{249}\text{Bk}(^{15}\text{N}, 4\text{n})$, $E=80$ MeV; $^{249}\text{Cm}(^{18}\text{O}, 4\text{n})$, $E=93$ MeV; $^{246}\text{Cm}(^{16}\text{O}, 4\text{n})$, $E=95$ MeV; $^{249}\text{Cf}(^{12}\text{C}, 4\text{n})$, $E=75$ MeV; $^{249}\text{Cf}(^{12}\text{C}, 5\text{n})$, $E=85$ MeV; measured residual production $\sigma, T_{1/2}(\text{SF})$, fission branch estimate. Fast tape system.
- 85St24 A.M.Stefanini, G.Fortuna, R.Pengo, L.Corradi, G.Montagnoli, W.Meczynski, R.Rohe, S.Beghini, C.Signorini, S.Lunardi, F.Sorameli, M.Morando - Phys.Lett. 162B, 66 (1985) - Influence of Different Reaction Channels on the Subbarrier Fusion of $^{32,36}\text{S}$ with $^{58,64}\text{Ni}$

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- 85SzZX J.Szerypo, B.Szweryn, P.Hornshøj, H.L.Nielsen, M.Luontama - JYFL Ann.Rept., 1984-85, p.81 (1985)
- Radiative Capture of Protons by the Deformed Nuclide ^{232}Th
NUCLEAR REACTIONS $^{232}\text{Th}(\text{p},\gamma),\text{E}=7-20$ MeV; measured capture $\sigma(\text{E})$. Activation method.
- 85SzZY J.Szerypo, M.Luontama - JYFL Ann.Rept., 1984-85, p.79 (1985) - Measurement of the $^{232}\text{Th}(\text{p},\text{f})$ Cross Section
NUCLEAR REACTIONS $^{232}\text{Th}(\text{p},\text{f}),\text{E}=11-20$ MeV; measured fission $\sigma(\text{E})$. Silicon surface barrier detectors.
- 85SzZZ I.M.Szoghy, I.Hunyadi, B.Cujec, Q.Haider - Phys.Can. Vol.41, No.3, 35, PE5 (1985) - $^{12}\text{C}(^{12}\text{C}, ^8\text{Be}(\text{g.s.}))^{16}\text{O}(\text{g.s.})$ Cross Section at Subbarrier Energies
NUCLEAR REACTIONS $^{12}\text{C}(^{12}\text{C}, ^8\text{Be}),\text{E}(\text{cm})=2.4-5.3$ MeV; measured $\sigma(\theta)$, astrophysically relevant yields; deduced reaction mechanism.
- 85Ta07 O.Tanimura, U.Mosel - Nucl.Phys. A440, 173 (1985) - Bremsstrahlung in Heavy-Ion Molecular Resonances
NUCLEAR REACTIONS $^{12}\text{C}(^{12}\text{C}, ^{12}\text{C}), (^{12}\text{C}, ^{12}\text{C}),\text{E}(\text{cm}) \approx 18-25.6$ MeV; calculated $\sigma(\theta)$, inelastic excitation $\sigma(\text{E})$, bremsstrahlung σ vs exit channel energy; deduced molecular resonance parameters, $\Gamma\gamma/\Gamma$, mutual excitation component. Coupled-channels method.
- 85Ta19 D.C.Tayal, K.P.Singh, V.K.Mittal, G.Singh, H.S.Hans - Phys.Rev. C32, 1882 (1985) - Coulomb Excitation of ^{105}Pd with Protons
NUCLEAR REACTIONS $^{105}\text{Pd}(\text{p},\text{p}'\gamma),\text{E}=2-4$ MeV; measured $\text{E}\gamma, \text{I}\gamma$ following Coulomb excitation, thick target γ yields, anisotropies. ^{105}Pd deduced levels, $J, \pi, T_{1/2}, B(\lambda)$.
- 85Ta21 O.Tanimura, J.Makowka, U.Mosel - Phys.Lett. 163B, 317 (1985) - Adiabatic Approach to Subbarrier Fusion Cross Section
NUCLEAR REACTIONS. $^{122}\text{Sn}(^{40}\text{Ar}, \text{X}),\text{E}(\text{cm}) \approx 95-120$ MeV; $^{58}\text{Ni}(^{58}\text{Ni}, \text{X}),\text{E}(\text{cm}) \approx 93-110$ MeV; $^{148}\text{Sm}(^{16}\text{O}, \text{X}),\text{E} \approx 60-75$ MeV; $^{130,134}\text{Sm}(^{16}\text{O}, \text{X}),\text{E} \approx 58-75$ MeV; calculated fusion $\sigma(\text{E})$. Adiabatic model.
- 85Th03 J.Thomas, Y.T.Chen, S.Hinde, K.Langanke, D.Meredith, M.Olson, C.A.Barnes - Phys.Rev. C31, 1980 (1985) - Sub-Barrier Fusion of ^{16}O with $^{16,18}\text{O}$
NUCLEAR REACTIONS $^{16}\text{O}(^{16}\text{O}, \text{X}), (^{16}\text{O}, \text{X}), (^{18}\text{O}, ^{16}\text{O}),\text{E}=13.5-25$ MeV; measured γ yields; deduced fusion, inelastic $\sigma(\text{E})$, thickness function energy dependence.
- 85Ti04 C.I.W.Tingwell, L.W.Mitchell, M.E.Sevior, D.G.Sargood - Nucl.Phys. A439, 371 (1985) - The Thermonuclear Reaction Rate of $^{58}\text{Ni}(\text{p},\gamma)^{59}\text{Cu}$
NUCLEAR REACTIONS $^{58}\text{Ni}(\text{p},\gamma), (\text{p},\text{p}'\gamma),\text{E}=1.18-4.2$ MeV; measured γ -ray yields; deduced $\sigma(\text{E})$, thermonuclear reaction rates. ^{59}Cu deduced resonances, strengths. Statistical-model analysis. Enriched targets.
- 85Ti05 W.Tiereth, Z.Basrak, N.Bischof, H.Frohlich, H.Voit - Nucl.Phys. A440, 143 (1985) - Phase-Shift Analysis of $^{16}\text{O} + ^{16}\text{O}$ Elastic Scattering Data
NUCLEAR REACTIONS $^{16}\text{O}(^{16}\text{O}, ^{16}\text{O}),\text{E}(\text{cm})=15.5-17.95$ MeV; measured $\sigma(\theta)$; deduced molecular resonances, parameters, reaction $\sigma(\text{E})$. Phase shift analysis.
- 85To12 J.Toke, R.Bock, G.X.Dai, A.Gobbi, S.Gralia, K.D.Hildenbrand, J.Kuzminski, W.F.J.Müller, A.Olmi, H.Stelzer, B.B.Back, S.Bjornholm - Nucl.Phys. A440, 327 (1985) - Quasi-Fission - The Mass-Drift Mode in Heavy-Ion Reactions
NUCLEAR REACTIONS $^{16}\text{O}, ^{27}\text{Al}, ^{48}\text{Ca}, ^{45}\text{Sc}, ^{48}\text{Ti}, ^{58}\text{Fe}, ^{64}\text{Ni}, ^{89}\text{Y}(^{238}\text{U}, \text{X}),\text{E}=5.4, 6$ MeV/nucleon; measured $\sigma(\text{fragment } \theta, \text{E}, \text{mass})$; deduced reaction, capture σ , model parameters. $^{254}\text{Fm}, ^{265}\text{105}, ^{286}\text{112}, ^{283}\text{113}, ^{286}\text{114}, ^{286}\text{118}, ^{302}\text{120}, ^{327}\text{131}$ deduced $T_{1/2}$, mass asymmetry relaxation degree. Extra push model.
- 85Ud01 T.Udagawa, B.T.Kim, T.Tamura - Phys.Rev. C32, 124 (1985) - Direct Reaction Description of Sub- and Above-Barrier Fusion of Heavy Ions
NUCLEAR REACTIONS $^{148,152}\text{Sm}(^{16}\text{O}, \text{X}),\text{E}(\text{cm})=55-70$ MeV; $^{122}\text{Sn}(^{40}\text{Ar}, \text{X}),\text{E}(\text{cm})=90-120$ MeV; $^{208}\text{Pb}(^{16}\text{O}, \text{X}),\text{E}(\text{cm})=75-95$ MeV; $^{40,44}\text{Ca}(^{40}\text{Ca}, \text{X}),\text{E}(\text{cm})=48-66$ MeV; $^{118}\text{Sn}(^{64}\text{Ni}, \text{X}),\text{E}(\text{cm})=150-180$ MeV; $^{124}\text{Sn}(^{58}\text{Ni}, \text{X}),\text{E}(\text{cm})=155-200$ MeV; $^{58,64}\text{Ni}(^{58}\text{Ni}, \text{X}),\text{E}(\text{cm}) \approx 90-110$ MeV; $^{90,94}\text{Zr}, ^{98}\text{Mo}, ^{104}\text{Ru}(^{81}\text{Br}, \text{X}),\text{E}(\text{cm}) \approx 150-200$ MeV; calculated fusion $\sigma(\text{E})$; deduced fusion radius parameters. Optical model, coupled-channels methods.
- 85Ud02 T.Udagawa, S.-W.Hong, T.Tamura - Phys.Rev. C32, 1435 (1985) - Direct Reaction Description of Complete Fusion above Barrier

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NUCLEAR REACTIONS $^{76}\text{Se}(p,2n), E=22-28$ MeV; measured residual yield. Metallic selenide targets.
- 85Vi03 M.F. Vineyard, J. Cook, K.W. Kemper - Phys. Rev. C31, 879 (1985) - Inelastic Scattering and Excitation of ^6Li
NUCLEAR REACTIONS $^{12}\text{C}(^6\text{Li},^6\text{Li}'), ^6\text{Li}(^{12}\text{C},^{12}\text{C}'), E(\text{cm})=16,20$ MeV; $^{16}\text{O}(^6\text{Li},^6\text{Li}'), ^6\text{Li}(^{16}\text{O},^{16}\text{O}'), E(\text{cm})=18.7$ MeV; measured $\sigma(\theta)$; deduced breakup σ ; deduced optical model parameters. $^6\text{Li}, ^{12}\text{C}, ^{16}\text{O}$ transitions deduced deformation lengths. DWBA, coupled-channels analyses.
- 85Vi05 I.N. Vishnevsky, V.A. Zheltonozhsky, T.N. Lahsko - Yad. Fiz. 41, 1435 (1985) - Measurement of Isomer Ratios for Isotopes $^{93,94}\text{Tc}$ in Reactions Induced by Protons and α Particles
NUCLEAR REACTIONS $^{93}\text{Nb}(\alpha,3n), E=65-100$ MeV; $^{96}\text{Mo}(p,xn), E=30-70$ MeV; measured residuals isomer to ground state production σ ratios; deduced direct, pre-equilibrium processes dominance.
- 85Wa09 E.K. Warburton, J.W. Olness, C.J. Lister, R.W. Zurmühle, J.A. Becker - Phys. Rev. C31, 1184 (1985) - High-Spin State Spectroscopy of $^{88,90}\text{Zr}$
NUCLEAR REACTIONS $^{76}\text{Ge}(^{18}\text{O},3n), (^{18}\text{O},4n), (^{18}\text{O},5n), (^{18}\text{O},6n), E \approx 40-80$ MeV; measured residuals relative yield. $^{74,76}\text{Ge}(^{18}\text{O},xn)p\alpha)^{87}\text{Sr}/^{86}\text{Sr}/^{85}\text{Sr}/^{84}\text{Sr}/^{89}\text{Y}/^{88}\text{Y}/^{87}\text{Y}/^{86}\text{Y}/^{90}\text{Zr}/^{91}\text{Zr}/^{92}\text{Zr}/^{89}\text{Zr}/^{88}\text{Zr}/^{80}\text{Zr}, E=60$ MeV; measured residual relative production σ . $^{74,76}\text{Ge}(^{18}\text{O},4n), E=40-80$ MeV; measured $E\gamma, \gamma\gamma$ -coin, $\gamma(\theta), \gamma$ linear polarization, DSA, recoil. $^{88,90}\text{Zr}$ deduced levels, $J, \pi, T_{1/2}, \gamma$ -branching, $B(\lambda), \delta$. Shell model.
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NUCLEAR REACTIONS $^{107,109}\text{Ag}(\alpha,2n), (\alpha,3n), (\alpha,4n), E=\text{threshold}-50$ MeV; measured residuals production $\sigma(E)$. Natural Ag target, semi-conductor γ -spectrometry, stacked foil technique.
- 85Wa23 C. Wasilevsky, M. de la Vega Vedoya, S.J. Nassiff - J. Radioanal. Nucl. Chem. 95, 29 (1985) - Isomer Yield Ratios and Cross Sections for $^{110}\text{In}(4.9 \text{ h})/^{110}\text{In}(69 \text{ min})$ and $^{108}\text{In}(58 \text{ min})/^{108}\text{In}(39.6 \text{ min})$
NUCLEAR REACTIONS $^{107}\text{Ag}(\alpha,n), E \approx 20-40$ MeV; $^{109}\text{Ag}(\alpha,3n), E \approx 30-55$ MeV; measured absolute residual isomer production $\sigma(E)$. Stacked foils, activation technique.
- 85We07 R.O. Weber, C.I.W. Tingwell, L.W. Mitchell, M.E. Sevier, D.G. Sargood - Nucl. Phys. A439, 176 (1985) - Cross Sections and Thermonuclear Reaction Rates of Proton-Induced Reactions on ^{37}Cl
NUCLEAR REACTIONS $^{37}\text{Cl}(p,\gamma), (p,\alpha\gamma), (p,n), E=0.65-2.5$ MeV; measured γ -ray, neutron yields; deduced $\sigma(E)$, thermonuclear reaction rates. Statistical-model analysis. Enriched target.
- 85Wi08 F.J. Wilkinson III, F.E. Cecil - Phys. Rev. C31, 2036 (1985) - $^2\text{H}(d,\gamma)^4\text{He}$ Reaction at Low Energies
NUCLEAR REACTIONS $^2\text{H}(d,\gamma), E=50-160$ keV; measured $E\gamma, \gamma$; deduced reaction mechanism, thick target $\Gamma\gamma/\Gamma p$ vs E .
- 85Wu03 J.Q. Wu, G. Bertsch, A.B. Balantekin - Phys. Rev. C32, 1432 (1985) - Channel Coupling Effects in Subbarrier Fusion of Oxygen with Oxygen
NUCLEAR REACTIONS $^{18,18}\text{O}(^{16}\text{O},\text{X}), E(\text{cm}) \approx 6.5-12$ MeV; calculated fusion $\sigma(E)$; deduced subbarrier enhancement mechanism. Coupled-channels model.
- 85Za03 N.I. Zaika, Yu.V. Kibkalo, V.P. Tokarev - Yad. Fiz. 41, 1454 (1985) - Dispersions of the Angular Momentum Projection Distributions in Interactions between Nuclei and α Particles
NUCLEAR REACTIONS $^{236}\text{U}(\alpha,F), E=20-80$ MeV; measured fission $\sigma(E)$. $^{236}\text{U}(\alpha,F), E=20-140$ MeV; calculated reaction $\sigma(E)$, ratio to direct process $\sigma(E)$; deduced parameters. ^{240}Pu deduced angular momentum projection dispersion.
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NUCLEAR REACTIONS $^{235,238}\text{U}(\alpha,F), E=20-80$ MeV; measured fission fragment mass, energy distributions, yield vs mass, E . $^{239,240}\text{Pu}$ deduced symmetric, asymmetric fission barrier characteristics, σ ratio.
- 86Ba01 A.B. Balantekin, P.E. Reimer - Phys. Rev. C33, 379 (1986) - Determination of an Effective Radius from the Gamma-Ray Multiplicities in Fusion Reactions

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- 86Ch01 T.Chapuran, K.Dybdal, D.B.Fossan, T.Lonnroth, W.F.Piel, Jr., D.Horn, E.K.Warburton - Phys.Rev. C33, 130 (1986) - High-Spin γ -Ray Spectroscopy in ^{197}Bi
NUCLEAR REACTIONS $^{192}\text{Pt}(^{10}\text{B}, 5n)$, $E=50-80$ MeV; measured $\sigma(E, \gamma)$, $\gamma\gamma$ -coin., $\gamma(\theta)$, $\gamma\gamma(t)$, gamma-ray yields. ^{197}Bi deduced levels, J, π , isomers, $T_{1/2}$, configurations, $B(\lambda)$, yrast sequence.
- 86Di01 G.U.Din, A.M.AlSoraya, J.A.Cameron, V.P.Janzen, R.B.Schubank - Phys.Rev. C33, 103 (1986) - Reactions $^{50}\text{Cr}(p, \gamma)^{51}\text{Mn}$ and $^{50}\text{Cr}(p, p'\gamma)^{50}\text{Cr}$ from 1.7 to 2.5 MeV
NUCLEAR REACTIONS $^{50}\text{Cr}(p, \gamma)$, $(p, p'\gamma)$, $E=1.7-2.5$ MeV; measured $I\gamma(E_p)$, $E\gamma, \gamma(\theta)$, γ yields. ^{51}Mn deduced levels, J, π, γ -branching ratios, δ , IAR. Ge detector.
- 86Ki01 B.T.Kim, T.Udagawa, T.Tamura - Phys.Rev. C33, 370 (1986) - Spin Distribution of Compound Nucleus Formed by Near-Barrier Fusion
NUCLEAR REACTIONS $^{154}\text{Sm}(^{16}\text{O}, X)$, $E(\text{cm})=55-70$ MeV; $^{144}\text{Nd}(^{18}\text{O}, X)$, $^{123}\text{Sb}(^{37}\text{Cl}, X)$, $^{96}\text{Zr}(^{64}\text{Ni}, X)$, $^{80}\text{Se}(^{60}\text{Se}, X)$, $E(\text{cm})=50-60$ MeV; calculated fusion $\sigma(E)$, compound system $\langle J \rangle$. Direct reaction approach.
- 86Na01 Y.Nagashima, J.Schimizu, T.Nakagawa, Y.Fukuchi, W.Yokota, K.Furuno, M.Yamanouchi, S.M.Lee, N.X.Dai, T.Mikumo, T.Motobayashi - Phys.Rev. C33, 176 (1986) - Effects of Entrance Channel and Compound Nucleus in the Fusion Cross Sections for $^{28}\text{Si} + ^{28}\text{Si}$, $^{18}\text{O} + ^{40}\text{Ca}$, $^{32}\text{S} + ^{30}\text{Si}$, and $^{12}\text{C} + ^{50}\text{Cr}$
NUCLEAR REACTIONS $^{28}\text{Si}(^{28}\text{Si}, X)$, $E(\text{cm})=66.3, 38$ MeV; $^{40}\text{Ca}(^{18}\text{O}, X)$, $E(\text{cm})=42.9, 70.7$ MeV; $^{32}\text{S}(^{30}\text{Si}, X)$, $E(\text{cm})=58.5, 50.3$ MeV; $^{50}\text{Cr}(^{12}\text{C}, X)$, $E(\text{cm})=56.5, 112.9$ MeV; measured fusion σ (evaporation residue θ), fragment yield distribution, fusion $\sigma(E)$; deduced fusion (critical L), entrance channel role.
- 86Sm01 M.J.Smithson, D.L.Watson, H.T.Fortune - Phys.Rev. C33, 509 (1986) - Selectivity in $^{13}\text{C}(^6\text{Li}, p)^{18}\text{O}$
NUCLEAR REACTIONS $^{13}\text{C}(^6\text{Li}, p)$, $E=28$ MeV; measured $\sigma(\theta)$; deduced σ , correlation with $^{12}\text{C}(^7\text{Li}, p)$ data.

TARGET INDEX

TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^2H	(d, γ)	E=50-160 keV	JOUR Phys.Rev. C31, 2036	85W108
	($^3\text{He},\gamma$)	E(cm)=25-60 keV	JOUR Phys.Rev. C32, 690	85Ce13
	($^3\text{He},p$)	E=140 keV	JOUR Phys.Rev. C32, 690	85Ce13
^6Li	(p,X)	E=22.8-49.1 MeV	JOUR Nucl.Phys. A445, 57	85Ca36
	(d,n)	E=50-160 keV	JOUR Nucl.Phys. A441, 477	85Ce12
	(d,p)	E=50-160 keV	JOUR Nucl.Phys. A441, 477	85Ce12
	($^{12}\text{C},^{12}\text{C}'$)	E(cm)=16,20 MeV	JOUR Phys.Rev. C31, 879	85Vi03
	($^{16}\text{O},^{16}\text{O}'$)	E(cm)=18.7 MeV	JOUR Phys.Rev. C31, 879	85Vi03
^7Li	(p,n)	E=1.95-5.5 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 13	85C102
	(p,n)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85K107
	(p,p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85K107
	(p,X)	E=22.8-49.1 MeV	JOUR Nucl.Phys. A445, 57	85Ca36
^9Be	(p, γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85K107
	(p,t)	E=22.4 MeV	JOUR At.Energ. 58, 140	85Ko34
	(p, α)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85K107
	(d,nt)	E=22.8 MeV	JOUR At.Energ. 58, 140	85Ko34
	($^3\text{He},n\alpha$)	E=32.1 MeV	JOUR At.Energ. 58, 140	85Ko34
	($\alpha,2n\alpha$)	E=45.2 MeV	JOUR At.Energ. 58, 140	85Ko34
	($^9\text{Be},p$)	E(cm)=7 MeV	JOUR J.Phys.(London) G11, 843	85Ja09
	($^9\text{Be},d$)	E(cm)=7 MeV	JOUR J.Phys.(London) G11, 843	85Ja09
	($^9\text{Be},t$)	E(cm)=7 MeV	JOUR J.Phys.(London) G11, 843	85Ja09
	($^9\text{Be},\alpha$)	E(cm)=7 MeV	JOUR J.Phys.(London) G11, 843	85Ja09
	($^9\text{Be},^7\text{Li}$)	E(cm)=7 MeV	JOUR J.Phys.(London) G11, 843	85Ja09
	($^9\text{Be},^8\text{Be}$)	E(cm)=10 MeV	JOUR J.Phys.(London) G11, 843	85Ja09
^{10}B	(p, α)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85K107
	(α,d)	E=25-30 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 47, 2248	83Va28
	(α,t)	E=25-30 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 47, 2248	83Va28
^{11}B	(p, γ)	E=0.5-14 MeV	JOUR Z.Phys. A322, 611	85K116
	(p, γ)	E=3-8 MeV	JOUR Nuovo Cim. 85, 280	85Ra10
	(p,n)	E=16-26 MeV	JOUR Phys.Rev. C31, 1679	85Gr09
	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(p,n)	E=3-8 MeV	JOUR Nuovo Cim. 85, 280	85Ra10
	(p,p')	E=3-8 MeV	JOUR Nuovo Cim. 85, 280	85Ra10
	(α,d)	E=25-30 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 47, 2248	83Va28
	(α,t)	E=25-30 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 47, 2248	83Va28
	($^{18}\text{O},np$)	E=15-44 MeV	JOUR Radiochim.Acta 37, 1	84Ro29
^{12}C	(p, γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85K107
	(p, γ)	E=0.1-0.6 MeV	JOUR Nucl.Phys. A435, 657	85La06
	(p,2p)	E=50 MeV	JOUR Yad.Fiz. 39, 532	84Vd01
	(p, α)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	($^3\text{He},2\alpha$)	E=32.1 MeV	JOUR At.Energ. 58, 140	85Ko34
	(α,γ)	E=0.1-3.5 MeV	JOUR Phys.Lett. 152, 11	85Fu04
	(α,γ)	E(cm)=1-3.5 MeV	JOUR Nucl.Phys. A439, 384	85La10
	(α,α')	E=24 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 48, 995	84Sa28
	(α,α')	E=7-27 MeV	JOUR Phys.Rev. C32, 1873	85Dy05
	($^6\text{Li},^6\text{Li}'$)	E(cm)=16,20 MeV	JOUR Phys.Rev. C31, 879	85Vi03
	($^{11}\text{B},^{11}\text{B}$)	E=4-9 MeV/nucleon	JOUR Phys.Rev. C31, 867	85Ma10
	($^{11}\text{B},X$)	E=4-9 MeV/nucleon	JOUR Phys.Rev. C31, 867	85Ma10
	($^{12}\text{C},^8\text{Be}$)	E(cm)=2.4-5.3 MeV	JOUR Phys.Can. 41, (3), 35, PE5	85Sz22
	($^{12}\text{C},^{12}\text{C}$)	E(cm)=17.5-21.5 MeV	JOUR Phys.Rev. C32, 1563	85Pa24
	($^{12}\text{C},^{12}\text{C}$)	E(cm)=18-25.6 MeV	JOUR Nucl.Phys. A440, 173	85Ta07
	($^{12}\text{C},^{12}\text{C}$)	E=4.5-6.5 MeV	JOUR Phys.Rev. C33, 379	86Ba01
	($^{12}\text{C},^{12}\text{C}'$)	E(cm)=20-35 MeV	JOUR Phys.Rev.Lett. 55, 588	85Ko17
	($^{12}\text{C},^{12}\text{C}'$)	E(cm)=18-25.6 MeV	JOUR Nucl.Phys. A440, 173	85Ta07
	($^{12}\text{C},X$)	E=25-500 MeV	JOUR Nuovo Cim. 83, 339	84Po27
	($^{12}\text{C},X$)	E(cm)=9-45 MeV	JOUR Phys.Rev. C32, 1915	85Ba63
	($^{12}\text{C},X$)	E(cm)=10-75 MeV	JOUR Lett.Nuovo Cim. 42, 17	85Fo04
	($^{12}\text{C},X$)	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	($^{12}\text{C},X$)	E(cm)=10-60,70-100 MeV	JOUR Acta Phys.Pol. B16, 775	85Le25
	($^{18}\text{O},np$)	E=53.7,56 MeV	JOUR Phys.Rev. C31, 858	85Ka03

TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
¹² C	(¹⁶ O,n2p)	E=53.7,56 MeV	JOUR Phys.Rev. C31, 858	85Ka03
	(¹⁶ O,nα)	E=43.2,46.48,53.7,56 MeV	JOUR Phys.Rev. C31, 858	85Ka03
	(¹⁸ O,X)	E=62-150 MeV	JOUR Nucl.Phys. A442, 320	85Be40
	(¹⁷ O,X)	E=20-70 MeV	JOUR Nucl.Phys. A443, 157	85Be37
	(¹⁸ O,X)	E=32-140 MeV	JOUR Nucl.Phys. A442, 320	85Be40
	(²⁷ Al,X)	E≈25-500 MeV	JOUR Nuovo Cim. 83, 339	84Po27
	(²⁷ Al,X)	E(cm)≈50-200 MeV	JOUR Lett.Nuovo Cim. 42, 17	85Fo04
	(³² S,X)	E(cm)=16-28 MeV	JOUR Phys.Rev. C32, 1080	85Ko21
¹³ C	(p,γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(p,p)	E≈1.7476 MeV	JOUR Phys.Can. 41, (3), 35, PE3	85Ou22
	(p,p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(⁶ Li,p)	E=28 MeV	JOUR Phys.Rev. C33, 509	86Sm01
	(¹⁰ B, ¹⁰ B)	E=4-9 MeV/nucleon	JOUR Phys.Rev. C31, 867	85Ma10
	(¹⁰ B,X)	E=4-9 MeV/nucleon	JOUR Phys.Rev. C31, 867	85Ma10
	(¹² C,X)	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	(¹³ C,α)	E(cm)=6.25-13.38 MeV	JOUR Phys.Rev. C32, 861	85Gi07
	(¹³ C,α)	E(cm)=6.25-13.38 MeV	JOUR Phys.Rev. C32, 865	85Gi08
	(¹⁶ O,X)	E=20-70 MeV	JOUR Nucl.Phys. A443, 157	85Be37
	(¹⁷ O, ¹⁷ O)	E(cm)=15-25 MeV	JOUR Phys.Lett. 157, 134	85Mi13
	(¹⁷ O,X)	E=54-140 MeV	JOUR Nucl.Phys. A442, 320	85Be40
¹³ N	(p,γ)	E=resonance	JOUR Astrophys.J. 287, 969	84Ma67
¹⁴ N	(p,γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,2p)	E=50 MeV	JOUR Yad.Fiz. 39, 1321	84Vd02
	(p,α)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(p,X)	E=22.8-49.1 MeV	JOUR Nucl.Phys. A445, 57	85Ca36
	(d,n)	E=1.08-12.28 MeV	JOUR Radiochim.Acta 38, 57	85Sa35
	(d,nd)	E=8-12.28 MeV	JOUR Radiochim.Acta 38, 57	85Sa35
	(d,nt)	E=8-12.28 MeV	JOUR Radiochim.Acta 38, 57	85Sa35
	(d,nα)	E=8-12.28 MeV	JOUR Radiochim.Acta 38, 57	85Sa35
	(α,α')	E=7-27 MeV	JOUR Phys.Rev. C32, 1873	85Dy05
	(⁷ Li,p)	E=16 MeV	JOUR Phys.Rev. C31, 2076	85Fo07
	(¹⁶ O,X)	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
¹⁵ N	(p,n)	E=3.72-16.58 MeV	JOUR Radiochim.Acta 36, 159	84Sa33
	(p,nd)	E=12.55-29.78 MeV	JOUR Radiochim.Acta 38, 57	85Sa35
	(p,nt)	E=12.55-29.78 MeV	JOUR Radiochim.Acta 38, 57	85Sa35
	(p,α)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,nα)	E=12.55-29.78 MeV	JOUR Radiochim.Acta 38, 57	85Sa35
	(¹² C,X)	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	(¹⁶ O,X)	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
¹⁶ O	(p,γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,np)	E=29 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 107	85Ru03
	(p,np)	E=16.7-32.82 MeV	JOUR Radiochim.Acta 38, 57	85Sa35
	(p,α)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ki07
	(α,α')	E=24 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 48, 995	84Sa28
	(α,α')	E=7-27 MeV	JOUR Phys.Rev. C32, 1873	85Dy05
	(α,2α)	E=7-27 MeV	JOUR Phys.Rev. C32, 1873	85Dy05
	(⁶ Li, ⁶ Li')	E(cm)=18.7 MeV	JOUR Phys.Rev. C31, 879	85Vi03
	(¹⁰ B,X)	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	(¹² C,X)	E=46.5-112.5 MeV	JOUR Nucl.Phys. A442, 320	85Be40
	(¹² C,X)	E≈7-25 MeV	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	(¹² C,X)	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	(¹⁶ O,α)	E(cm)=15.5-16.5 MeV	JOUR Phys.Rev. C31, 1255	85Ga05
	(¹⁶ O, ¹⁶ O)	E(cm)=15.5-16.5 MeV	JOUR Phys.Rev. C31, 1255	85Ga05
	(¹⁶ O, ¹⁶ O)	E(cm)=15.5-17.95 MeV	JOUR Nucl.Phys. A440, 143	85Ti05
	(¹⁶ O,X)	E(cm)≈10-100 MeV	JOUR Lett.Nuovo Cim. 42, 17	85Fo04
	(¹⁶ O,X)	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	(¹⁶ O,X)	E(cm)=10-40,58-70 MeV	JOUR Acta Phys.Pol. B16, 775	85Le25
	(¹⁶ O,X)	E=13.5-25 MeV	JOUR Phys.Rev. C31, 1980	85Th03
	(¹⁶ O,X)	E(cm)≈6.5-12 MeV	JOUR Phys.Rev. C32, 1432	85Wu03

TARGET INDEX

TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{18}O	$(^{18}\text{O}, ^{18}\text{O}')$	E=13.5-25 MeV	JOUR Phys.Rev. C31, 1980	85Th03
	$(^{18}\text{O}, \text{X})$	E=13.5-25 MeV	JOUR Phys.Rev. C31, 1980	85Th03
	$(^{27}\text{Al}, \text{X})$	E(cm) $\approx$ 50-200 MeV	JOUR Lett.Nuovo Cim. 42, 17	85Fo04
	$(^{238}\text{U}, \text{X})$	E=5.4, 6 MeV/nucleon	JOUR Nucl.Phys. A440, 327	85To12
^{17}O	(p, p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	$(^{13}\text{C}, \text{X})$	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
^{18}O	(p, n)	E=15.3 MeV	JOUR J.Radioanal.Nucl.Chem. 93, 349	85Hu82
	(p, p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(α, α')	E=24 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 48, 995	84Sa28
	$(^{12}\text{C}, \text{X})$	E(cm) $\approx$ 25-100 MeV	JOUR Lett.Nuovo Cim. 42, 17	85Fo04
	$(^{12}\text{C}, \text{X})$	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	$(^{16}\text{O}, \text{X})$	E(cm) $\approx$ 6.5-12 MeV	JOUR Phys.Rev. C32, 1432	85Wu03
^{19}F	(p, α)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(α, α')	E=24 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 48, 995	84Sa28
	$(^{12}\text{C}, \text{X})$	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
Ne	(p, X)	E=40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 107	85Ru03
^{20}Ne	(p, X)	E=22.8-49.1 MeV	JOUR Nucl.Phys. A445, 57	85Ca36
	(α, α')	E=24 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 48, 995	84Sa28
	$(^{12}\text{C}, \text{X})$	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
^{22}Ne	(α, α')	E=24 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 48, 995	84Sa28
^{23}Na	(p, γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p, γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p, p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p, α)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	$(^{19}\text{F}, \text{X})$	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
^{24}Mg	(p, γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p, p)	E=15 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 48, 977	84Ro25
	(p, p)	E=5.7-7.6 MeV	JOUR Yad.Fiz. 41, 1410	85Ro14
	(d, α)	E=22.8 MeV	JOUR At.Energ. 58, 140	85Ko34
	$(\alpha, \text{n}, \text{p}, \alpha)$	E=35.8, 45.2 MeV	JOUR At.Energ. 58, 140	85Ko34
	$(^{12}\text{C}, \text{X})$	E(cm) $\approx$ 10-50 MeV	JOUR Acta Phys.Pol. B16, 775	85Le25
	$(^{18}\text{O}, \text{X})$	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	$(^{18}\text{O}, \text{X})$	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	$(^{32}\text{S}, \text{X})$	E=25-500 MeV	JOUR Nuovo Cim. 83, 339	84Po27
	$(^{32}\text{S}, \text{X})$	E=90-150 MeV	JOUR Phys.Rev. C32, 1584	85Ca34
	$(^{32}\text{S}, \text{X})$	E(cm) $\approx$ 50-150 MeV	JOUR Lett.Nuovo Cim. 42, 17	85Fo04
	$(^{32}\text{S}, \text{X})$	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
^{25}Mg	(p, γ)	E $\approx$ 389.2-390 keV	JOUR Z.Phys. A320, 693	85Be17
	(p, γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p, p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p, α)	E=22.4 MeV	JOUR At.Energ. 58, 140	85Ko34
	$(^{32}\text{S}, \text{X})$	E=90-150 MeV	JOUR Phys.Rev. C32, 1584	85Ca34
^{26}Mg	(p, γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p, p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	$(^{16}\text{O}, \text{X})$	E(cm) $\approx$ 25-100 MeV	JOUR Lett.Nuovo Cim. 42, 17	85Fo04
	$(^{16}\text{O}, \text{X})$	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	$(^{32}\text{S}, ^{32}\text{S})$	E(cm) $\approx$ 18-32 MeV	JOUR Nucl.Phys. A442, 469	85Sh21
	$(^{32}\text{S}, \text{X})$	E=90-150 MeV	JOUR Phys.Rev. C32, 1584	85Ca34
^{27}Al	(p, γ)	E=0.5-1.8 MeV	JOUR Bull.Am.Phys.Soc. 30, 725, CE6	85Ha22
	(p, p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	$(\text{p}, \text{n}, \text{p})$	E=45-200 MeV	JOUR Nucl.Phys. A441, 617	85Mi14
	(α, p)	E=49.6, 45.4 MeV	JOUR Radiochim.Acta 38, 69	85Ra29
	$(\alpha, \text{p}, \text{n}, \text{p})$	E=49.6, 45.4 MeV	JOUR Radiochim.Acta 38, 69	85Ra29
	$(\alpha, \text{p}, \text{n}, \text{p})$	E=49.6, 45.4 MeV	JOUR Radiochim.Acta 38, 69	85Ra29
	$(^{12}\text{C}, \text{X})$	E $\approx$ 13-40 MeV	JOUR Phys.Rev.Lett. 54, 2659	85Hu04

TARGET INDEX

TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
²⁷ Al	(¹⁶ O,X)	E≈25-500 MeV	JOUR Nuovo Cim. 83, 339	84Po27
	(¹⁶ O,X)	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	(¹⁸ O,X)	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	(²⁰ Ne,X)	E≈25-500 MeV	JOUR Nuovo Cim. 83, 339	84Po27
	(²⁰ Ne,X)	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	(³² S,X)	E≈25-500 MeV	JOUR Nuovo Cim. 83, 339	84Po27
	(²³⁸ U,X)	E=5.4,6 MeV/nucleon	JOUR Nucl.Phys. A440, 327	85To12
²⁸ Si	(p,γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,γ)	E=1.3-3 MeV	JOUR J.Phys.(Paris) 46, 1881	85Ki15
	(p,p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(d,2α)	E=22.3 MeV	JOUR At.Energ. 58, 140	85Ko34
	(¹⁶ O, ¹⁶ O)	E=20-35 MeV	JOUR Can.J.Phys. 63, 1274	85Ho24
	(¹⁶ O,X)	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	(¹⁸ O,X)	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	(²⁸ Si,X)	E(cm)≈50-150 MeV	JOUR Lett.Nuovo Cim. 42, 17	85Fo04
	(²⁸ Si,X)	E(cm)=66.3,38 MeV	JOUR Phys.Rev. C33, 176	86Na01
	(²⁸ Si,X)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
²⁹ Si	(p,p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(¹⁶ O,X)	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	(¹⁶ O,X)	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
³⁰ Si	(p,γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(¹⁶ O,X)	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	(³⁰ Si,X)	E=55-126 MeV	JOUR Nucl.Phys. A435, 301	85Du02
³¹ P	(p,γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,α)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
³² S	(p,γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(¹⁸ O,t)	E=27-44 MeV	JOUR Radiochim.Acta 37, 1	84Ro29
	(²⁷ Al,X)	E(cm)≈50-200 MeV	JOUR Lett.Nuovo Cim. 42, 17	85Fo04
	(³⁰ Si,X)	E(cm)=58.5,50.3 MeV	JOUR Phys.Rev. C33, 176	86Na01
	(³⁰ Si,X)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
³⁴ S	(p,γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(p,p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
³⁵ Cl	(p,γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(²⁷ Al,X)	E(cm)≈50-150 MeV	JOUR Lett.Nuovo Cim. 42, 17	85Fo04
³⁷ Cl	(p,γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,γ)	E=0.65-2.5 MeV	JOUR Nucl.Phys. A439, 176	85We07
	(p,n)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,n)	E=0.65-2.5 MeV	JOUR Nucl.Phys. A439, 176	85We07
	(p,p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,α)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,α)	E=0.65-2.5 MeV	JOUR Nucl.Phys. A439, 176	85We07
	(p,α)	E=0.65-2.5 MeV	JOUR Nucl.Phys. A439, 176	85We07
⁴⁰ Ar	(p,X)	E=22.8-49.1 MeV	JOUR Nucl.Phys. A445, 57	85Ca36
³⁹ K	(p,γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,n)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
⁴¹ K	(p,γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,n)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,α)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
⁴⁰ Ca	(α,X)	E=10-30 MeV	JOUR Acta Phys.Pol. B16, 775	85Le25
	(¹⁶ O,X)	E≈25-500 MeV	JOUR Nuovo Cim. 83, 339	84Po27

TARGET INDEX

TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
⁴⁰ Ca	(¹⁶ O,X)	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	(¹⁶ O,X)	E=39.4-214 MeV	JOUR Phys.Rev. C32, 1435	85Ud02
	(¹⁶ O,X)	E(cm)=42.9,70.7 MeV	JOUR Phys.Rev. C33, 176	86Na01
	(¹⁹ F,X)	E=25-500 MeV	JOUR Nuovo Cim. 83, 339	84Po27
	(⁴⁰ Ca,X)	E(cm)=60-140 MeV	JOUR Nucl.Phys. A439, 353	85Bo22
	(⁴⁰ Ca,X)	E not given	JOUR Phys.Rev.Lett. 54, 2659	85Hu04
	(⁴⁰ Ca,X)	E(cm)=47-67 MeV	JOUR Phys.Rev. C31, 1047	85La05
	(⁴⁰ Ca,X)	E(cm)=55-100 MeV	JOUR J.Phys.(London) G11, 1323	85Pa27
⁴⁰ Ca	(⁴⁰ Ca,X)	E(cm)=48-66 MeV	JOUR Phys.Rev. C32, 124	85Ud01
⁴² Ca	(p,p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(d,2p)	E=threshold-22 MeV	JOUR At.Energ. 57, 130	84Dm01
	(α,γ)	E=3.42-5.62 MeV	JOUR Nucl.Phys. A443, 487	85Mi17
	(α,p)	E=4.06-5.92 MeV	JOUR Nucl.Phys. A443, 487	85Mi17
	(α,p)	E=4.78-5.92 MeV	JOUR Nucl.Phys. A443, 487	85Mi17
	(α,p)	E=4.78-5.92 MeV	JOUR Nucl.Phys. A443, 487	85Mi17
⁴³ Ca	(p,p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,2p)	E=threshold-22 MeV	JOUR At.Energ. 57, 130	84Dm01
	(d,2p)	E=threshold-22 MeV	JOUR At.Energ. 57, 130	84Dm01
	(d,n2p)	E=threshold-22 MeV	JOUR At.Energ. 57, 130	84Dm01
	(d,n2p)	E=threshold-22 MeV	JOUR At.Energ. 57, 130	84Dm01
⁴⁴ Ca	(p,γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(p,2p)	E=threshold-22 MeV	JOUR At.Energ. 57, 130	84Dm01
	(p,n2p)	E=threshold-22 MeV	JOUR At.Energ. 57, 130	84Dm01
	(d,α)	E=threshold-22 MeV	JOUR At.Energ. 57, 130	84Dm01
	(α,X)	E=10-30 MeV	JOUR Acta Phys.Pol. B16, 775	85Le25
	(¹⁸ O, ¹⁸ O')	E(cm)=19-28 MeV	JOUR Nucl.Phys. A443, 525	85De38
	(¹⁸ O,X)	E(cm)=19-28 MeV	JOUR Nucl.Phys. A443, 525	85De38
	(⁴⁰ Ca,X)	E(cm)=47-67 MeV	JOUR Phys.Rev. C31, 1047	85La05
	(⁴⁰ Ca,X)	E(cm)=48-66 MeV	JOUR Phys.Rev. C32, 124	85Ud01
	(⁴⁰ Ca,X)	E(cm)=48-66 MeV	JOUR Phys.Rev. C32, 124	85Ud01
	(⁴⁰ Ca,X)	E(cm)=48-66 MeV	JOUR Phys.Rev. C32, 124	85Ud01
⁴⁶ Ca	(p,α)	E=threshold-22 MeV	JOUR At.Energ. 57, 130	84Dm01
	(d,nα)	E=threshold-22 MeV	JOUR At.Energ. 57, 130	84Dm01
	(d,2nα)	E=threshold-22 MeV	JOUR At.Energ. 57, 130	84Dm01
	(d,2nα)	E=threshold-22 MeV	JOUR At.Energ. 57, 130	84Dm01
⁴⁸ Ca	(p,n)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,2nα)	E=threshold-22 MeV	JOUR At.Energ. 57, 130	84Dm01
	(⁴⁰ Ca,X)	E(cm)=47-67 MeV	JOUR Phys.Rev. C31, 1047	85La05
	(²³⁸ U,X)	E=5.4,6 MeV/nucleon	JOUR Nucl.Phys. A440, 327	85To12
⁴⁵ Sc	(p,γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,p')	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	(p,np)	E=22.3 MeV	JOUR At.Energ. 58, 140	85Ko34
	(d,p)	E=22.8 MeV	JOUR At.Energ. 58, 140	85Ko34
	(d,t)	E=22.8 MeV	JOUR At.Energ. 58, 140	85Ko34
	(³ He,2p)	E=32.1 MeV	JOUR At.Energ. 58, 140	85Ko34
	(³ He,α)	E=32.1 MeV	JOUR At.Energ. 58, 140	85Ko34
	(α,n)	E=43.7 MeV	JOUR At.Energ. 58, 140	85Ko34
	(α,n2p)	E=43.7 MeV	JOUR At.Energ. 58, 140	85Ko34
	(α,1.α)	E=43.7 MeV	JOUR At.Energ. 58, 140	85Ko34
	(²³⁸ U,X)	E=5.4,6 MeV/nucleon	JOUR Nucl.Phys. A440, 327	85To12
	(²³⁸ U,X)	E=5.4,6 MeV/nucleon	JOUR Nucl.Phys. A440, 327	85To12
⁴⁸ Ti	(¹² C,p)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,2n)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,np)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,3n)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,2np)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,n2p)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,4n)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,3np)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,2n2p)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,α)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,pa)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,pa)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,2na)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,2na)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02

TARGET INDEX

TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
⁴⁸ Ti	(¹² C,npα)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,npα)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,2pα)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,3nα)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,2npα)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,2α)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C,n2α)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹² C, ¹² C')	E=17-27 MeV	JOUR Nucl.Phys. A443, 525	85De38
	(¹² C,X)	E=17-27 MeV	JOUR Nucl.Phys. A443, 525	85De38
	(¹² C,X)	E=20-60 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹³ C,p)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹³ C,2n)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹³ C,np)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹³ C,3n)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹³ C,2np)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹³ C,n2p)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹³ C,4n)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹³ C,3np)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹³ C,α)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹³ C,nα)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹³ C,2n3p)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹³ C,2nα)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹³ C,npα)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹³ C,3nα)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹³ C,2npα)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹³ C,n2α)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(¹³ C,X)	E=20-60 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	(²³⁸ U,X)	E=5.4,6 MeV/nucleon	JOUR Nucl.Phys. A440, 327	85To12
V	(p,xnyp)	E=45-200 MeV	JOUR Nucl.Phys. A441, 617	85Mi14
⁵¹ V	(p,n)	E=1.9-4.5 MeV	JOUR Pramana 24, 629	85Ka09
	(p,n)	E=2-12 MeV	JOUR Yad.Fiz. 41, 607	85Ro11
⁵⁰ Cr	(p,γ)	E=1.7-2.5 MeV	JOUR Phys.Rev. C33, 103	86Di01
	(p,p')	E=1.7-2.5 MeV	JOUR Phys.Rev. C33, 103	86Di01
	(¹² C,X)	E≈25-500 MeV	JOUR Nuovo Cim. 83, 339	84Po27
	(¹² C,X)	E(cm)=56.5,112.9 MeV	JOUR Phys.Rev. C33, 176	86Na01
⁵² Cr	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
⁵⁵ Mn	(p,xnyp)	E=45-200 MeV	JOUR Nucl.Phys. A441, 617	85Mi14
⁵⁴ Fe	(α,xn)	E=150-250 MeV	JOUR Z.Phys. A321, 107	85Ga09
	(α,X)	E=50-150 MeV	JOUR Z.Phys. A321, 107	85Ga09
⁵⁸ Fe	(²³⁸ U,X)	E=5.4,6 MeV/nucleon	JOUR Nucl.Phys. A440, 327	85To12
⁵⁹ Co	(p,xnyp)	E=45-200 MeV	JOUR Nucl.Phys. A441, 617	85Mi14
	(α,X)	E=38,50,65,85 MeV	JOUR Phys.Rev. C32, 1214	85Ga12
	(⁶ Li,dα)	E=41 MeV	JOUR Yad.Fiz. 41, 31	85Bo11
⁵⁸ Ni	(p,γ)	E=0.75-5 MeV	JOUR Phys.Rev. C31, 800	85Di05
	(p,γ)	E=1.18-4.2 MeV	JOUR Nucl.Phys. A439, 371	85Ti04
	(p,p')	E=0.75-5 MeV	JOUR Phys.Rev. C31, 800	85Di05
	(p,p')	E=1.18-4.2 MeV	JOUR Nucl.Phys. A439, 371	85Ti04
	(²⁸ Si,2n3p)	E=100-130 MeV	JOUR J.Phys.(London) G11, 969	85Li12
	(²⁸ Si,pα)	E=80-130 MeV	JOUR J.Phys.(London) G11, 969	85Li12
	(³² S,X)	E(cm)≈52-76 MeV	JOUR Phys.Lett. 162, 66	85St24
	(⁵⁸ Ni,X)	E(cm)≈93-110 MeV	JOUR Phys.Lett. 163, 317	85Ta21
	(⁵⁸ Ni,X)	E(cm)≈90-110 MeV	JOUR Phys.Rev. C32, 124	85Ud01
⁶⁰ Ni	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
⁶² Ni	(³⁵ Cl,X)	E(cm)≈50-150 MeV	JOUR Lett.Nuovo Cim. 42, 17	85Fo04

TARGET INDEX

TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{64}Ni	(p,γ)	E=1-3.45 MeV	JOUR Aust.J.Phys. 36, 463	83Se19
	(p,n)	E=threshold-3.8 MeV	JOUR Aust.J.Phys. 36, 463	83Se19
	$(^{32}\text{S},X)$	E(cm) $\approx$ 52-76 MeV	JOUR Phys.Lett. 162, 66	85St24
	$(^{58}\text{Ni},X)$	E(cm) $\approx$ 90-110 MeV	JOUR Phys.Rev. C32, 124	85Ud01
	$(^{64}\text{Ni},^{64}\text{Ni})$	E=96-102 MeV	JOUR Phys.Rev. C33, 379	86Ba01
	$(^{64}\text{Ni},X)$	E=89.6-91 MeV/nucleon	JOUR Lett.Nuovo Cim. 42, 145	85Lu05
	$(^{238}\text{U},X)$	E=5.4,6 MeV/nucleon	JOUR Nucl.Phys. A440, 327	85To12
Cu	(p,X)	E=4-33 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 657	85Ko26
^{63}Cu	(p,γ)	E=1.05-4.7 MeV	JOUR Aust.J.Phys. 36, 463	83Se19
	(p,n)	E=threshold-4.86 MeV	JOUR Aust.J.Phys. 36, 463	83Se19
	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(p,p')	E=1.05-4 MeV	JOUR Aust.J.Phys. 36, 463	83Se19
	$(p,2n)$	E=4-33 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 657	85Ko26
^{65}Cu	(p,γ)	E=1.05-3.25 MeV	JOUR Aust.J.Phys. 36, 463	83Se19
	(p,n)	E=threshold-3.25 MeV	JOUR Aust.J.Phys. 36, 463	83Se19
	(p,n)	E=4-33 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 657	85Ko26
^{66}Zn	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(d,n)	E=7.8,4.9,10 MeV	JOUR J.Radioanal.Nucl.Chem. 84, 263	84Pa23
	$(d,2n)$	E=8.4 MeV	JOUR J.Radioanal.Nucl.Chem. 84, 263	84Pa23
^{68}Zn	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
^{69}Ga	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
^{70}Ge	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
^{72}Ge	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
^{74}Ge	$(^{18}\text{O},xnp\alpha)$	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
^{76}Ge	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	$(^{18}\text{O},3n)$	E $\approx$ 40-80 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	$(^{18}\text{O},4n)$	E $\approx$ 40-80 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	$(^{18}\text{O},5n)$	E $\approx$ 40-80 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	$(^{18}\text{O},6n)$	E $\approx$ 40-80 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	$(^{18}\text{O},xnp\alpha)$	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
^{76}Se	(p,n)	E $\approx$ 7-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
	$(p,2n)$	E $\approx$ 15.5-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
	$(p,2n)$	E=22-28 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 961	85Va19
	(p,np)	E=13-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
	$(p,3n)$	E $\approx$ 32-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
	$(p,n2p)$	E $\approx$ 29-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
	(p,pd)	E $\approx$ 29-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
	$(p,^3\text{He})$	E $\approx$ 29-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
	(p,α)	E=10-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
	$(p,n\alpha)$	E=20-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
	$(p,2n\alpha)$	E=30-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
	(p,xn)	E=threshold-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
^{80}Se	$(^{80}\text{Se},X)$	E(cm)=50-60 MeV	JOUR Phys.Rev. C33, 370	86Ki01
^{78}Br	(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
^{81}Br	(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
^{85}Rb	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23

TARGET INDEX

TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
⁸⁷ Rb	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
⁸⁶ Sr	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
⁸⁷ Sr	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(p,np)	E=14-17.6 MeV	JOUR Phys.Rev. C32, 92	85Do10
⁸⁹ Y	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(²³⁸ U,X)	E=5.4,6 MeV/nucleon	JOUR Nucl.Phys. A440, 327	85To12
⁹⁰ Zr	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(α ,xn)	E=150-250 MeV	JOUR Z.Phys. A321, 107	85Ga09
	(α ,X)	E=50-150 MeV	JOUR Z.Phys. A321, 107	85Ga09
	(⁸¹ Br,X)	E(cm) $\approx$ 150-200 MeV	JOUR Phys.Rev. C32, 124	85Ud01
⁹¹ Zr	(p,np)	E=14-17.6 MeV	JOUR Phys.Rev. C32, 92	85Do10
⁹⁴ Zr	(⁸¹ Br,X)	E(cm) $\approx$ 150-200 MeV	JOUR Phys.Rev. C32, 124	85Ud01
⁹⁶ Zr	(⁶ Li,3n)	E=18-25 MeV	JOUR Phys.Rev. C31, 409	85Ka02
	(⁶⁴ Ni,X)	E(cm)=50-60 MeV	JOUR Phys.Rev. C33, 370	86Ki01
⁹³ Nb	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(α ,3n)	E=65-100 MeV	JOUR Yad.Fiz. 41, 1435	85Vi05
⁹⁵ Mo	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
⁹⁶ Mo	(p,xn)	E=30-70 MeV	JOUR Yad.Fiz. 41, 1435	85Vi05
	(⁸¹ Br,X)	E(cm) $\approx$ 150-200 MeV	JOUR Phys.Rev. C32, 124	85Ud01
⁹⁸ Ru	(α ,n)	E=30-55 MeV	JOUR Z.Phys. A320, 467	85Be06
	(α ,p)	E=30-55 MeV	JOUR Z.Phys. A320, 467	85Be06
	(α ,2n)	E=30-55 MeV	JOUR Z.Phys. A320, 467	85Be06
	(α ,np)	E=30-55 MeV	JOUR Z.Phys. A320, 467	85Be06
	(α ,2np)	E=30-55 MeV	JOUR Z.Phys. A320, 467	85Be06
⁹⁹ Ru	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
¹⁰⁴ Ru	(⁸¹ Br,X)	E(cm) $\approx$ 150-200 MeV	JOUR Phys.Rev. C32, 124	85Ud01
¹⁰⁵ Pd	(p,p')	E=2-4 MeV	JOUR Phys.Rev. C32, 1882	85Ta19
¹¹⁰ Pd	(⁴⁰ Ar,X)	E(cm) $\approx$ 150-300 MeV	JOUR Nucl.Phys. A439, 353	85Bo22
¹⁰⁷ Ag	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(α ,n)	E $\approx$ 20-40 MeV	JOUR J.Radioanal.Nucl.Chem. 95, 29	85Wa23
	(α ,2n)	E=threshold-50 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 531	85Wa18
	(α ,3n)	E=threshold-50 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 531	85Wa18
	(α ,4n)	E=threshold-50 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 531	85Wa18
	(α ,4n)	E=threshold-50 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 531	85Wa18
¹⁰⁹ Ag	(³ He,n)	E=threshold-50 MeV	JOUR Z.Phys. A322, 93	85Ma45
	(³ He,2n)	E=threshold-50 MeV	JOUR Z.Phys. A322, 93	85Ma45
	(³ He,3n)	E=threshold-50 MeV	JOUR Z.Phys. A322, 93	85Ma45
	(³ He,4n)	E=threshold-50 MeV	JOUR Z.Phys. A322, 93	85Ma45
	(α ,2n)	E=threshold-50 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 531	85Wa18
	(α ,3n)	E=threshold-50 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 531	85Wa18
	(α ,3n)	E $\approx$ 30-55 MeV	JOUR J.Radioanal.Nucl.Chem. 95, 29	85Wa23
	(α ,4n)	E=threshold-50 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 531	85Wa18
	(⁴⁰ Ar,X)	E(cm) $\approx$ 100-300 MeV	JOUR Nucl.Phys. A439, 353	85Bo22
¹¹⁰ Cd	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
¹¹¹ Cd	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(p,n)	E=threshold-50 MeV	JOUR Z.Phys. A322, 93	85Ma45

TARGET INDEX

TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{111}Cd	(p,2n)	E=threshold-50 MeV	JOUR Z.Phys. A322, 93	85Ma45
	(p,3n)	E=threshold-50 MeV	JOUR Z.Phys. A322, 93	85Ma45
	(p,4n)	E=threshold-50 MeV	JOUR Z.Phys. A322, 93	85Ma45
^{112}Cd	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
^{113}Cd	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
^{116}Cd	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
^{116}Sn	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(^{35}Cl ,X)	E(cm) $\approx$ 100-200 MeV	JOUR Lett.Nuovo Cim. 42, 17	85Fo04
^{117}Sn	(p,n)	E=4.75-10.25 MeV	JOUR Pisma Zh.Eksp.Teor.Fiz. 40, 487	84Gu30
	(p,n)	E=4.4-4.6 MeV	JOUR Yad.Fiz. 41, 3	85Gu06
	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
^{118}Sn	(^{64}Ni ,X)	E(cm)=150-180 MeV	JOUR Phys.Rev. C32, 124	85Ud01
^{122}Sn	(^{40}Ar ,X)	E(cm) $\approx$ 95-120 MeV	JOUR Phys.Lett. 163, 317	85Ta21
	(^{40}Ar ,X)	E(cm)=90-120 MeV	JOUR Phys.Rev. C32, 124	85Ud01
^{124}Sn	(^{58}Ni ,X)	E(cm)=155-200 MeV	JOUR Phys.Rev. C32, 124	85Ud01
^{121}Sb	(^{40}Ar ,X)	E(cm) $\approx$ 100-250 MeV	JOUR Nucl.Phys. A439, 353	85Bo22
^{123}Sb	(^{37}Cl ,X)	E(cm)=50-60 MeV	JOUR Phys.Rev. C33, 370	86Ki01
^{128}Te	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(α ,2n)	E=6-30 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 47, 2228	83Ba64
^{130}Te	(α ,2n)	E=6-30 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 47, 2228	83Ba64
^{127}I	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
^{133}Cs	(p,p')	E=3.2-4.2 MeV	JOUR Can.J.Phys. 63, 483	85Si10
	(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
^{141}Pr	(^{12}C ,X)	E=82-110 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
	(^{14}N ,3n)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
	(^{14}N ,2np)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
	(^{14}N ,4n)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
	(^{14}N ,3np)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
	(^{14}N ,5n)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
	(^{14}N ,4np)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
	(^{14}N ,6n)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
	(^{14}N ,5np)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
	(^{14}N ,7n)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
	(^{14}N ,6np)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
	(^{14}N ,X)	E=68-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
^{144}Nd	(^{16}O ,X)	E(cm)=50-60 MeV	JOUR Phys.Rev. C33, 370	86Ki01
^{150}Nd	(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	(^{16}O ,3n)	E $\approx$ 60-76 MeV	JOUR Phys.Rev. C31, 1752	85Gi04
	(^{16}O ,4n)	E $\approx$ 60-84 MeV	JOUR Phys.Rev. C31, 1752	85Gi04
	(^{16}O ,5n)	E=64-88 MeV	JOUR Phys.Rev. C31, 1752	85Gi04
	(^{20}Ne ,X)	E not given	JOUR J.Phys.(London) G11, 1087	85De31
^{144}Sm	(^{14}N ,X)	E=80-107 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
^{147}Sm	(^{12}C ,X)	E=82-110 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
	(^{12}C ,X)	E=90-110 MeV	JOUR Phys.Rev. C32, 1612	85Ko30

TARGET INDEX

TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{147}Sm	($^{14}\text{N}, \text{X}$)	E=80-120 MeV	JOUR Phys.Rev. C32, 1612	$^{85}\text{Ko}30$
^{148}Sm	($^{16}\text{O}, \text{X}$)	E $\approx$ 60-75 MeV	JOUR Phys.Lett. 163, 317	$^{85}\text{Ta}21$
	($^{16}\text{O}, \text{X}$)	E(cm)=55-70 MeV	JOUR Phys.Rev. C32, 124	$^{85}\text{Ud}01$
^{150}Sm	($^{12}\text{C}, \text{X}$)	E=90,110 MeV	JOUR Phys.Rev. C32, 1612	$^{85}\text{Ko}30$
	($^{14}\text{N}, \text{X}$)	E=80-120 MeV	JOUR Phys.Rev. C32, 1612	$^{85}\text{Ko}30$
	($^{16}\text{O}, \text{X}$)	E $\approx$ 58-75 MeV	JOUR Phys.Lett. 163, 317	$^{85}\text{Ta}21$
^{152}Sm	($^{12}\text{C}, \text{X}$)	E=71-110 MeV	JOUR Phys.Rev. C32, 1612	$^{85}\text{Ko}30$
	($^{14}\text{N}, \text{X}$)	E=80-120 MeV	JOUR Phys.Rev. C32, 1612	$^{85}\text{Ko}30$
	($^{16}\text{O}, \text{X}$)	E(cm)=55-70 MeV	JOUR Phys.Rev. C32, 124	$^{85}\text{Ud}01$
^{154}Sm	(α, n)	E=15-24 MeV	JOUR Phys.Rev. C31, 1752	$^{85}\text{Gi}04$
	(α, X)	E=14-24 MeV	JOUR Phys.Rev. C31, 1752	$^{85}\text{Gi}04$
	($^{12}\text{C}, 4\text{n}$)	E=46.7-60.7 MeV	JOUR Phys.Rev. C31, 1752	$^{85}\text{Gi}04$
	($^{12}\text{C}, \text{X}$)	E=47-61 MeV	JOUR Phys.Rev. C31, 1752	$^{85}\text{Gi}04$
	($^{12}\text{C}, \text{X}$)	E=90,110 MeV	JOUR Phys.Rev. C32, 1612	$^{85}\text{Ko}30$
	($^{12}\text{C}, \text{X}$)	E not given	JOUR Phys.Rev. C33, 379	$^{86}\text{Ba}01$
	($^{16}\text{O}, \text{X}$)	E $\approx$ 58-75 MeV	JOUR Phys.Lett. 163, 317	$^{85}\text{Ta}21$
	($^{16}\text{O}, \text{X}$)	E not given	JOUR Phys.Rev. C33, 379	$^{86}\text{Ba}01$
	($^{16}\text{O}, \text{X}$)	E(cm)=55-70 MeV	JOUR Phys.Rev. C33, 370	$^{86}\text{Ki}01$
	($^{16}\text{O}, \text{X}$)	E not given	JOUR J.Phys.(London) G11, 1087	$^{85}\text{De}31$
^{152}Eu	(t, α)	E=16 MeV	JOUR Nucl.Phys. A439, 299	$^{85}\text{Ma}26$
^{154}Eu	(t, α)	E=16 MeV	JOUR Nucl.Phys. A439, 299	$^{85}\text{Ma}26$
^{165}Ho	($^3\text{He}, \text{p}$)	E=40,70,110 MeV	REPT RCNP Osaka,1983 Ann,P71	$^{84}\text{Mo}2\text{S}$
	($^3\text{He}, \text{d}$)	E=40,70,110 MeV	REPT RCNP Osaka,1983 Ann,P71	$^{84}\text{Mo}2\text{S}$
	(α, p)	E=50,80,110 MeV	REPT RCNP Osaka,1983 Ann,P71	$^{84}\text{Mo}2\text{S}$
	(α, d)	E=50,80,110 MeV	REPT RCNP Osaka,1983 Ann,P71	$^{84}\text{Mo}2\text{S}$
	($^{16}\text{O}, \text{X}$)	E(cm) $\approx$ 57-80 MeV	JOUR Nucl.Phys. A438, 536	$^{85}\text{Ja}08$
	($^{36}\text{Fe}, \text{X}$)	E(cm) $\approx$ 200-380 MeV	JOUR Nucl.Phys. A439, 353	$^{85}\text{Bo}22$
^{166}Er	(α, xn)	E=10-55 MeV	JOUR Radiochim.Acta 38, 65	$^{85}\text{Ar}24$
^{167}Er	(α, xn)	E=10-55 MeV	JOUR Radiochim.Acta 38, 65	$^{85}\text{Ar}24$
^{168}Er	(α, xn)	E=10-55 MeV	JOUR Radiochim.Acta 38, 65	$^{85}\text{Ar}24$
^{170}Er	(α, xn)	E=10-55 MeV	JOUR Radiochim.Acta 38, 65	$^{85}\text{Ar}24$
Ir	(p, F)	E=40-160 MeV	JOUR Phys.Rev. C32, 916	$^{85}\text{Pa}20$
^{192}Pt	($^{10}\text{B}, 5\text{n}$)	E=50-80 MeV	JOUR Phys.Rev. C33, 130	$^{86}\text{Ch}01$
^{197}Au	(p, γ)	E=4 MeV	JOUR Nucl.Phys. A441, 397	$^{85}\text{Ar}14$
	(α, n)	E=20-120 MeV	REPT RCNP Osaka,1983 Ann,P124	$^{84}\text{Sh}2\text{P}$
	(α, n)	E=10-55 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 519	$^{85}\text{Ca}22$
	($\alpha, 2\text{n}$)	E=20-120 MeV	REPT RCNP Osaka,1983 Ann,P124	$^{84}\text{Sh}2\text{P}$
	($\alpha, 2\text{n}$)	E=10-55 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 519	$^{85}\text{Ca}22$
	($\alpha, 3\text{n}$)	E=20-120 MeV	REPT RCNP Osaka,1983 Ann,P124	$^{84}\text{Sh}2\text{P}$
	($\alpha, 3\text{n}$)	E=10-55 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 519	$^{85}\text{Ca}22$
	($\alpha, 4\text{n}$)	E=20-120 MeV	REPT RCNP Osaka,1983 Ann,P124	$^{84}\text{Sh}2\text{P}$
	($\alpha, 4\text{n}$)	E=10-55 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 519	$^{85}\text{Ca}22$
	($\alpha, 5\text{n}$)	E=20-120 MeV	REPT RCNP Osaka,1983 Ann,P124	$^{84}\text{Sh}2\text{P}$
	($\alpha, 6\text{n}$)	E=20-120 MeV	REPT RCNP Osaka,1983 Ann,P124	$^{84}\text{Sh}2\text{P}$
	($\alpha, 7\text{n}$)	E=20-120 MeV	REPT RCNP Osaka,1983 Ann,P124	$^{84}\text{Sh}2\text{P}$
	($\alpha, 8\text{n}$)	E=20-120 MeV	REPT RCNP Osaka,1983 Ann,P124	$^{84}\text{Sh}2\text{P}$
	($\alpha, 9\text{n}$)	E=20-120 MeV	REPT RCNP Osaka,1983 Ann,P124	$^{84}\text{Sh}2\text{P}$
	(α, F)	E=50,45.1,40.1,36.1 MeV	JOUR Yad.Fiz. 41, 849	$^{85}\text{It}03$
	($^{32}\text{S}, \text{F}$)	E=185-255 MeV	JOUR Phys.Rev. C32, 195	$^{85}\text{Ba}29$
^{203}Tl	(p, F)	E=29.6 MeV	JOUR Yad.Fiz. 41, 849	$^{85}\text{It}03$
	(α, F)	E=50,40.1 MeV	JOUR Yad.Fiz. 41, 849	$^{85}\text{It}03$

TARGET INDEX

TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
²⁰⁵ Tl	(α, F)	E=50,40.1 MeV	JOUR Yad.Fiz. 41, 849	85I103
²⁰⁴ Pb	(p, F)	E=29.6,27.1 MeV	JOUR Yad.Fiz. 41, 849	85I103
²⁰⁶ Pb	(p, F)	E=29.6,28.2 MeV	JOUR Yad.Fiz. 41, 849	85I103
²⁰⁸ Pb	(p, F)	E=29.6,27.1 MeV	JOUR Yad.Fiz. 41, 849	85I103
	(¹¹ B, 4n)	E=45-66 MeV	JOUR Phys.Rev. C32, 136	85DrQ4
	(¹⁶ O, ¹⁵ N)	E=threshold-95 MeV	JOUR Phys.Lett. 162, 43	85Pi13
	(¹⁶ O, F)	E=85-148 MeV	JOUR Phys.Rev. C32, 195	85Ba29
	(¹⁶ O, X)	E=threshold-95 MeV	JOUR Phys.Lett. 162, 43	85Pi13
	(¹⁶ O, X)	E(cm)=75-95 MeV	JOUR Phys.Rev. C32, 124	85Ud01
	(¹⁹ F, F)	E=110-190 MeV	JOUR Phys.Rev. C32, 195	85Ba29
	(²⁴ Mg, F)	E=140-210 MeV	JOUR Phys.Rev. C32, 195	85Ba29
	(²⁴ Mg, X)	E(cm)=125-200 MeV	JOUR Nucl.Phys. A439, 353	85Bo22
	(²⁶ Mg, X)	E(cm)=110-200 MeV	JOUR Nucl.Phys. A439, 353	85Bo22
	(²⁶ Mg, X)	E(cm)=100-200 MeV	JOUR Lett.Nuovo Cim. 42, 17	85Fo04
	(²⁷ Al, X)	E(cm)=100-200 MeV	JOUR Lett.Nuovo Cim. 42, 17	85Fo04
	(²⁸ Si, F)	E=160-260 MeV	JOUR Phys.Rev. C32, 195	85Ba29
	(³² S, F)	E=180-266 MeV	JOUR Phys.Rev. C32, 195	85Ba29
	(³² S, X)	E(cm)=150-225 MeV	JOUR Nucl.Phys. A439, 353	85Bo22
	(⁴⁰ Ca, X)	E(cm)=175-350 MeV	JOUR Nucl.Phys. A439, 353	85Bo22
	(⁴⁸ Ca, X)	E(cm)=175-250 MeV	JOUR Lett.Nuovo Cim. 42, 17	85Fo04
	(⁵⁰ Ti, X)	E(cm)=175-350 MeV	JOUR Nucl.Phys. A439, 353	85Bo22
	(⁵² Cr, X)	E(cm)=250-375 MeV	JOUR Nucl.Phys. A439, 353	85Bo22
	(⁵⁸ Fe, X)	E(cm)=250-375 MeV	JOUR Nucl.Phys. A439, 353	85Bo22
	(⁶⁴ Ni, X)	E(cm)=275-400 MeV	JOUR Nucl.Phys. A439, 353	85Bo22
²⁰⁹ Bi	(α, n)	E=50-100 MeV	JOUR Z.Phys. A321, 107	85Ga09
	(α, p)	E=50-100 MeV	JOUR Z.Phys. A321, 107	85Ga09
	($\alpha, 2n$)	E=21.1-29.2 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 443	85La17
	($\alpha, 3n$)	E=28.1,28.4,29.2 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 443	85La17
	(α, xn)	E=150-250 MeV	JOUR Z.Phys. A321, 107	85Ga09
	(α, F)	E=32.6,37.3 MeV	JOUR Yad.Fiz. 41, 1109	85I102
	(α, F)	E=49.1,44.9 MeV	JOUR Radiochim.Acta 38, 69	85Ra29
	(α, X)	E=50-150 MeV	JOUR Z.Phys. A321, 107	85Ga09
	(⁵⁴ Cr, X)	E(cm)=200-350 MeV	JOUR Nucl.Phys. A439, 353	85Bo22
²³² Th	(p, γ)	E=7-20 MeV	REPT JYFL 1984-85 Annual,P81	85SzZX
	(p, 6n)	E=35-100 MeV	JOUR Phys.Rev. C32, 916	85Pa20
	(p, 7n)	E=45-90 MeV	JOUR Phys.Rev. C32, 916	85Pa20
	(p, F)	E=97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
	(p, F)	E=29,59,75,97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
	(p, F)	E=11-20 MeV	REPT JYFL 1984-85 Annual,P79	85Sz2Y
	(¹⁸ O, F)	E=85-148 MeV	JOUR Phys.Rev. C32, 195	85Ba29
²³⁵ U	(α, F)	E=20-80 MeV	JOUR Yad.Fiz. 42, 304	85Za04
²³⁶ U	(α, F)	E=20-80 MeV	JOUR Yad.Fiz. 41, 1454	85Za03
	(α, F)	E=20-140 MeV	JOUR Yad.Fiz. 41, 1454	85Za03
	(α, F)	E=20-80 MeV	JOUR Yad.Fiz. 42, 304	85Za04
²³⁸ U	(¹⁶ O, F)	E=85-148 MeV	JOUR Phys.Rev. C32, 195	85Ba29
²³⁷ Np	(d, n)	E=9-25 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 564	85Ba46
	(d, p)	E=9-25 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 564	85Ba46
	(d, 2n)	E=9-25 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 564	85Ba46
	(d, 2n)	E=9-25 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 564	85Ba46
	(d, 3n)	E=9-25 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 564	85Ba46
	(d, 2np)	E=9-25 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 564	85Ba46
²³⁹ Pu	(d, pF)	E=11.7,12.3 MeV	JOUR Yad.Fiz. 42, 1348	85An26
²⁴⁴ Pu	(²² Ne, 4n)	E=113 MeV	JOUR Phys.Rev. C31, 1801	85So03
²⁴⁵ Cm	(¹⁸ O, 4n)	E=93 MeV	JOUR Phys.Rev. C31, 1801	85So03

TARGET INDEX

TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{246}Cm	$(^{16}\text{O}, 4n)$	$E=95 \text{ MeV}$	JOUR Phys.Rev. C31, 1801	85So03
^{248}Cm	$(^{16}\text{O}, 4n)$	$E=92 \text{ MeV}$	JOUR Phys.Rev. C31, 1801	85So03
	$(^{16}\text{O}, F)$	$E=85-148 \text{ MeV}$	JOUR Phys.Rev. C32, 195	85Ba29
	$(^{18}\text{O}, 4n)$	$E=89 \text{ MeV}$	JOUR Phys.Rev. C31, 1801	85So03
	$(^{48}\text{Ca}, X)$	$E(\text{cm}) \approx 200-350 \text{ MeV}$	JOUR Nucl.Phys. A439, 353	85Bo22
^{249}Bk	$(^{15}\text{N}, 4n)$	$E=80 \text{ MeV}$	JOUR Phys.Rev. C31, 1801	85So03
^{249}Cf	$(^{12}\text{C}, 4n)$	$E=75 \text{ MeV}$	JOUR Phys.Rev. C31, 1801	85So03
	$(^{12}\text{C}, 5n)$	$E=85 \text{ MeV}$	JOUR Phys.Rev. C31, 1801	85So03
	$(^{18}\text{O}, 3n\alpha)$	$E=96 \text{ MeV}$	JOUR Phys.Rev. C31, 1801	85So03

RESIDUAL INDEX

RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^4He	$^2\text{H}(d,\gamma)$ $^2\text{H}(^3\text{He},p)$	$E=50-160$ keV $E=140$ keV	JOUR Phys.Rev. C31, 2036 JOUR Phys.Rev. C32, 690	85W108 85Ce13
^5Li	$^2\text{H}(^3\text{He},\gamma)$	$E(\text{cm})=25-60$ keV	JOUR Phys.Rev. C32, 690	85Ce13
^6Li	$^9\text{Be}(p,\alpha)$ $^6\text{Li}(^{12}\text{C},^{12}\text{C}')$ $^6\text{Li}(^{16}\text{O},^{16}\text{O}')$	$E=2.4-4.2$ MeV $E(\text{cm})=18.7$ MeV $E(\text{cm})=16,20$ MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123 JOUR Phys.Rev. C31, 879 JOUR Phys.Rev. C31, 879	85Ki07 85Vi03 85Vi03
^7Li	$^7\text{Li}(p,p')$ $^6\text{Li}(d,p)$	$E=2.4-4.2$ MeV $E=50-160$ keV	JOUR J.Radioanal.Nucl.Chem. 89, 123 JOUR Nucl.Phys. A441, 477	85Ki07 85Ce12
^7Be	$^7\text{Li}(p,n)$ $^7\text{Li}(p,n)$ $^9\text{Be}(p,t)$ $^{10}\text{B}(p,\alpha)$ $^6\text{Li}(d,n)$ $^9\text{Be}(d,nt)$ $^9\text{Be}(^3\text{He},n\alpha)$ $^{12}\text{C}(^3\text{He},2\alpha)$ $^9\text{Be}(\alpha,2n\alpha)$	$E=1.95-5.5$ MeV $E=2.4-4.2$ MeV $E=22.8$ MeV $E=2.4-4.2$ MeV $E=50-160$ keV $E=45.2$ MeV $E=22.4$ MeV $E=22.3$ MeV $E=32.1$ MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 13 JOUR J.Radioanal.Nucl.Chem. 89, 123 JOUR At.Energ. 58, 140 JOUR J.Radioanal.Nucl.Chem. 89, 123 JOUR Nucl.Phys. A441, 477 JOUR At.Energ. 58, 140 JOUR At.Energ. 58, 140 JOUR At.Energ. 58, 140 JOUR At.Energ. 58, 140	85C102 85Ki07 85Ko34 85Ki07 85Ce12 85Ko34 85Ko34 85Ko34 85Ko34
^{10}Be	$^9\text{Be}(^9\text{Be},^8\text{Be})$	$E(\text{cm})=7$ MeV	JOUR J.Phys.(London) G11, 843	85Ja09
^9B	$^{12}\text{C}(p,\alpha)$	$E=9.1$ MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
^{10}B	$^9\text{Be}(p,\gamma)$	$E=2.4-4.2$ MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
^{11}B	$^{11}\text{B}(p,p')$ $^{12}\text{C}(p,2p)$ $^9\text{Be}(^9\text{Be},^7\text{Li})$	$E=3-8$ MeV $E=50$ MeV $E(\text{cm})=10$ MeV	JOUR Nuovo Cim. 85, 280 JOUR Yad.Fiz. 39, 532 JOUR J.Phys.(London) G11, 843	85Ra10 84Vd01 85Ja09
^{11}C	$^{11}\text{B}(p,n)$ $^{11}\text{B}(p,n)$ $^{11}\text{B}(p,n)$ $^{14}\text{N}(p,\alpha)$ $^{15}\text{N}(p,n\alpha)$ $^{14}\text{N}(d,n\alpha)$ $^{10}\text{B}(\alpha,t)$	$E=16-26$ MeV $E=9.1$ MeV $E=3-8$ MeV $E=9.1$ MeV $E=12.55-29.78$ MeV $E=8-12.28$ MeV $E=25-30$ MeV	JOUR Phys.Rev. C31, 1679 JOUR J.Radioanal.Nucl.Chem. 89, 447 JOUR Nuovo Cim. 85, 280 JOUR J.Radioanal.Nucl.Chem. 89, 447 JOUR Radiochim.Acta 38, 57 JOUR Radiochim.Acta 38, 57 JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 47, 2248	85Gr09 85Ku13 85Ra10 85Ku13 85Sa35 85Sa35 83Va28
^{12}C	$^{11}\text{B}(p,\gamma)$ $^{11}\text{B}(p,\gamma)$ $^{15}\text{N}(p,\alpha)$ $^{10}\text{B}(\alpha,d)$ $^{11}\text{B}(\alpha,t)$ $^{12}\text{C}(\alpha,\alpha')$ $^{12}\text{C}(\alpha,\alpha')$ $^{16}\text{O}(\alpha,2\alpha)$ $^{12}\text{C}(^6\text{Li},^6\text{Li}')$ $^{12}\text{C}(^{11}\text{B},^{11}\text{B})$ $^{12}\text{C}(^{11}\text{B},X)$ $^{12}\text{C}(^{12}\text{C},^{12}\text{C})$ $^{12}\text{C}(^{12}\text{C},^{12}\text{C})$ $^{12}\text{C}(^{12}\text{C},^{12}\text{C})$ $^{12}\text{C}(^{12}\text{C},^{12}\text{C})$ $^{12}\text{C}(^{12}\text{C},^{12}\text{C})$	$E=0.5-14$ MeV $E=3-8$ MeV $E=2.4-4.2$ MeV $E=25-30$ MeV $E=25-30$ MeV $E=24$ MeV $E=7-27$ MeV $E=7-27$ MeV $E(\text{cm})=16,20$ MeV $E=4-9$ MeV/nucleon $E=4-9$ MeV/nucleon $E(\text{cm})=17.5-21.5$ MeV $E(\text{cm})=18-25.6$ MeV $E=96-102$ MeV $E(\text{cm})=20-35$ MeV $E(\text{cm})=18-25.6$ MeV	JOUR Z.Phys. A322, 611 JOUR Nuovo Cim. 85, 280 JOUR J.Radioanal.Nucl.Chem. 89, 123 JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 47, 2248 JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 47, 2248 JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 48, 995 JOUR Phys.Rev. C32, 1873 JOUR Phys.Rev. C32, 1873 JOUR Phys.Rev. C31, 867 JOUR Phys.Rev. C31, 867 JOUR Phys.Rev. C31, 867 JOUR Phys.Rev. C32, 1563 JOUR Nucl.Phys. A440, 173 JOUR Phys.Rev. C33, 379 JOUR Phys.Rev.Lett. 55, 588 JOUR Nucl.Phys. A440, 173	85K116 85Ra10 85Ki07 83Va28 83Va28 84Sa28 85Dy05 85Dy05 85Vi03 85Ma10 85Ma10 85Pa24 85Ta07 86Ba01 85Ko17 85Ta07
^{13}C	$^{13}\text{C}(p,p)$ $^{13}\text{C}(p,p')$ $^{14}\text{N}(p,2p)$ $^{11}\text{B}(\alpha,d)$ $^{13}\text{C}(^{10}\text{B},^{10}\text{B})$ $^{13}\text{C}(^{17}\text{O},^{17}\text{O})$	$E=1.7476$ MeV $E=2.4-4.2$ MeV $E=50$ MeV $E=25-30$ MeV $E=4-9$ MeV/nucleon $E(\text{cm})=15-25$ MeV	JOUR Phys.Can. 41, (3), 35, PE3 JOUR J.Radioanal.Nucl.Chem. 89, 123 JOUR Yad.Fiz. 39, 1321 JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 47, 2248 JOUR Phys.Rev. C31, 867 JOUR Phys.Lett. 157, 134	85Ou22 85Ki07 84Vd02 83Va28 85Ma10 85Mi13
^{14}C	$^9\text{Be}(^9\text{Be},\alpha)$	$E(\text{cm})=7$ MeV	JOUR J.Phys.(London) G11, 843	85Ja09

RESIDUAL INDEX

RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{12}N	$^{15}\text{N}(\text{p}, \text{n.t})$	$E=8-12.28 \text{ MeV}$	JOUR Radiochim. Acta 38, 57	85Sa35
	$^{14}\text{N}(\text{d}, \text{n.t})$	$E=16.7-32.82 \text{ MeV}$	JOUR Radiochim. Acta 38, 57	85Sa35
^{13}N	$^{12}\text{C}(\text{p}, \gamma)$	$E=2.4-4.2 \text{ MeV}$	JOUR J. Radioanal. Nucl. Chem. 89, 123	85Ki07
	$^{12}\text{C}(\text{p}, \gamma)$	$E \approx 0.1-0.6 \text{ MeV}$	JOUR Nucl. Phys. A435, 657	85La06
	$^{13}\text{C}(\text{p}, \text{n})$	$E=9.1 \text{ MeV}$	JOUR J. Radioanal. Nucl. Chem. 89, 447	85Ku13
	$^{15}\text{N}(\text{p}, \text{n.d})$	$E=12.55-29.78 \text{ MeV}$	JOUR Radiochim. Acta 38, 57	85Sa35
	$^{16}\text{O}(\text{p}, \alpha)$	$E=9.1 \text{ MeV}$	JOUR J. Radioanal. Nucl. Chem. 89, 447	85Ku13
	$^{14}\text{N}(\text{d}, \text{n.d})$	$E=8-12.28 \text{ MeV}$	JOUR Radiochim. Acta 38, 57	85Sa35
^{14}N	$^{13}\text{C}(\text{p}, \gamma)$	$E=2.4-4.2 \text{ MeV}$	JOUR J. Radioanal. Nucl. Chem. 89, 123	85Ki07
	$^{14}\text{N}(\text{p}, \text{p}')$	$E=2.4-4.2 \text{ MeV}$	JOUR J. Radioanal. Nucl. Chem. 89, 123	85Ki07
	$^{14}\text{N}(\alpha, \alpha')$	$E=7-27 \text{ MeV}$	JOUR Phys. Rev. C32, 1873	85Dy05
^{15}N	$^9\text{Be}(^9\text{Be}, \text{t})$	$E(\text{cm})=7 \text{ MeV}$	JOUR J. Phys. (London) G11, 843	85Ja09
^{16}N	$^9\text{Be}(^9\text{Be}, \text{d})$	$E(\text{cm})=7 \text{ MeV}$	JOUR J. Phys. (London) G11, 843	85Ja09
^{17}N	$^9\text{Be}(^9\text{Be}, \text{p})$	$E(\text{cm})=7 \text{ MeV}$	JOUR J. Phys. (London) G11, 843	85Ja09
^{14}O	$^{13}\text{N}(\text{p}, \gamma)$	$E=\text{resonance}$	JOUR Astrophys. J. 287, 969	84Ma67
^{15}O	$^{14}\text{N}(\text{p}, \gamma)$	$E=2.4-4.2 \text{ MeV}$	JOUR J. Radioanal. Nucl. Chem. 89, 123	85Ki07
	$^{15}\text{N}(\text{p}, \text{n})$	$E=3.72-16.58 \text{ MeV}$	JOUR Radiochim. Acta 36, 159	84Sa33
	$^{16}\text{O}(\text{p}, \text{np})$	$E=40 \text{ MeV}$	JOUR Int. J. Appl. Radiat. Isotop. 36, 107	85Ru03
	$^{16}\text{O}(\text{p}, \text{np})$	$E=1.08-12.28 \text{ MeV}$	JOUR Radiochim. Acta 38, 57	85Sa35
	$^{14}\text{N}(\text{d}, \text{n})$	$E=12.55-29.78 \text{ MeV}$	JOUR Radiochim. Acta 38, 57	85Sa35
^{16}O	$^{19}\text{F}(\text{p}, \alpha)$	$E=2.4-4.2 \text{ MeV}$	JOUR J. Radioanal. Nucl. Chem. 89, 123	85Ki07
	$^{12}\text{C}(\alpha, \gamma)$	$E \approx 0.1-3.5 \text{ MeV}$	JOUR Phys. Lett. 152, 11	85Fu04
	$^{12}\text{C}(\alpha, \gamma)$	$E(\text{cm}) \approx 1-3.5 \text{ MeV}$	JOUR Nucl. Phys. A439, 384	85La10
	$^{16}\text{O}(\alpha, \alpha')$	$E=24 \text{ MeV}$	JOUR Izv. Akad. Nauk SSSR, Ser. Fiz. 48, 995	84Sa28
	$^{16}\text{O}(\alpha, \alpha')$	$E=7-27 \text{ MeV}$	JOUR Phys. Rev. C32, 1873	85Dy05
	$^{16}\text{O}(^6\text{Li}, ^6\text{Li}')$	$E(\text{cm})=18.7 \text{ MeV}$	JOUR Phys. Rev. C31, 879	85Vi03
	$^{12}\text{C}(^{12}\text{C}, ^9\text{Be})$	$E(\text{cm})=2.4-5.3 \text{ MeV}$	JOUR Phys. Can. 41, (3), 35, PE5	85SzZZ
	$^{16}\text{O}(^{16}\text{O}, ^{16}\text{O})$	$E(\text{cm})=15.5-16.5 \text{ MeV}$	JOUR Phys. Rev. C31, 1255	85Ga05
	$^{16}\text{O}(^{16}\text{O}, ^{16}\text{O})$	$E(\text{cm})=15.5-17.95 \text{ MeV}$	JOUR Nucl. Phys. A440, 143	85Ti05
	$^{16}\text{O}(^{16}\text{O}, \text{X})$	$E=13.5-25 \text{ MeV}$	JOUR Phys. Rev. C31, 1980	85Th03
	$^{16}\text{O}(^{16}\text{O}, ^{16}\text{O}')$	$E=13.5-25 \text{ MeV}$	JOUR Phys. Rev. C31, 1980	85Th03
	$^{16}\text{O}(^{16}\text{O}, \text{X})$	$E=13.5-25 \text{ MeV}$	JOUR Phys. Rev. C31, 1980	85Th03
^{17}O	$^{17}\text{O}(\text{p}, \text{p}')$	$E=2.4-4.2 \text{ MeV}$	JOUR J. Radioanal. Nucl. Chem. 89, 123	85Ki07
^{18}O	$^{18}\text{O}(\text{p}, \text{p}')$	$E=2.4-4.2 \text{ MeV}$	JOUR J. Radioanal. Nucl. Chem. 89, 123	85Ki07
	$^{18}\text{O}(\alpha, \alpha')$	$E=24 \text{ MeV}$	JOUR Izv. Akad. Nauk SSSR, Ser. Fiz. 48, 995	84Sa28
	$^{13}\text{C}(^6\text{Li}, \text{p})$	$E=28 \text{ MeV}$	JOUR Phys. Rev. C33, 509	86Sm01
^{17}F	$^{16}\text{O}(\text{p}, \gamma)$	$E=2.4-4.2 \text{ MeV}$	JOUR J. Radioanal. Nucl. Chem. 89, 123	85Ki07
^{18}F	$^{18}\text{O}(\text{p}, \text{n})$	$E=15.3 \text{ MeV}$	JOUR J. Radioanal. Nucl. Chem. 93, 349	85Hu02
	$\text{Ne}(\text{p}, \text{X})$	$E=29 \text{ MeV}$	JOUR Int. J. Appl. Radiat. Isotop. 36, 107	85Ru03
^{19}F	$^{19}\text{F}(\alpha, \alpha')$	$E=24 \text{ MeV}$	JOUR Izv. Akad. Nauk SSSR, Ser. Fiz. 48, 995	84Sa28
^{20}F	$^{14}\text{N}(^7\text{Li}, \text{p})$	$E=16 \text{ MeV}$	JOUR Phys. Rev. C31, 2076	85Fo07
^{20}Ne	$^{23}\text{Na}(\text{p}, \alpha)$	$E=2.4-4.2 \text{ MeV}$	JOUR J. Radioanal. Nucl. Chem. 89, 123	85Ki07
	$^{20}\text{Ne}(\alpha, \alpha')$	$E=24 \text{ MeV}$	JOUR Izv. Akad. Nauk SSSR, Ser. Fiz. 48, 995	84Sa28
^{22}Ne	$^{22}\text{Ne}(\alpha, \alpha')$	$E=24 \text{ MeV}$	JOUR Izv. Akad. Nauk SSSR, Ser. Fiz. 48, 995	84Sa28
	$^{13}\text{C}(^{13}\text{C}, \alpha)$	$E(\text{cm})=6.25-13.38 \text{ MeV}$	JOUR Phys. Rev. C32, 861	85Gi07
	$^{13}\text{C}(^{13}\text{C}, \alpha)$	$E(\text{cm})=6.25-13.38 \text{ MeV}$	JOUR Phys. Rev. C32, 865	85Gi08
^{22}Na	$^{25}\text{Mg}(\text{p}, \alpha)$	$E=22.8 \text{ MeV}$	JOUR At. Energ. 58, 140	85Ko34
	$^{24}\text{Mg}(\text{d}, \alpha)$	$E=35.8, 45.2 \text{ MeV}$	JOUR At. Energ. 58, 140	85Ko34
	$^{28}\text{Si}(\text{d}, 2\alpha)$	$E=22.3 \text{ MeV}$	JOUR At. Energ. 58, 140	85Ko34

RESIDUAL INDEX

RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{22}Na	$^{24}\text{Mg}(\alpha, n p \alpha)$	$E=32.1 \text{ MeV}$	JOUR At.Energ. 58, 140	85Ko34
	$^{27}\text{Al}(\alpha, 5n4p)$	$E=49.6, 45.4 \text{ MeV}$	JOUR Radiochim.Acta 38, 69	85Ra29
^{23}Na	$^{23}\text{Na}(p, p')$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
^{24}Na	$^{27}\text{Al}(p, n3p)$	$E=45-200 \text{ MeV}$	JOUR Nucl.Phys. A441, 617	85Mi14
	$^{27}\text{Al}(\alpha, 3n4p)$	$E=49.6, 45.4 \text{ MeV}$	JOUR Radiochim.Acta 38, 69	85Ra29
^{23}Mg	$^{12}\text{C}(^{18}\text{O}, n\alpha)$	$E=53.7, 56 \text{ MeV}$	JOUR Phys.Rev. C31, 858	85Ka03
^{24}Mg	$^{23}\text{Na}(p, \gamma)$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	$^{23}\text{Na}(p, \gamma)$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	$^{24}\text{Mg}(p, p)$	$E \leq 15 \text{ MeV}$	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 48, 977	84Ro25
	$^{24}\text{Mg}(p, p)$	$E=5.7-7.6 \text{ MeV}$	JOUR Yad.Fiz. 41, 1410	85Ro14
^{25}Mg	$^{25}\text{Mg}(p, p')$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	$^{12}\text{C}(^{16}\text{O}, n2p)$	$E=43.2, 46, 48, 3, 53, 7, 56 \text{ MeV}$	JOUR Phys.Rev. C31, 858	85Ka03
^{26}Mg	$^{26}\text{Mg}(p, p')$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	$^{26}\text{Mg}(^{32}\text{S}, ^{32}\text{S})$	$E(\text{cm}) \approx 18-32 \text{ MeV}$	JOUR Nucl.Phys. A442, 469	85Sh21
^{27}Mg	$^{11}\text{B}(^{18}\text{O}, n p)$	$E=27-44 \text{ MeV}$	JOUR Radiochim.Acta 37, 1	84Ro29
^{28}Mg	$^{27}\text{Al}(\alpha, 3p)$	$E=49.6, 45.4 \text{ MeV}$	JOUR Radiochim.Acta 38, 69	85Ra29
^{25}Al	$^{24}\text{Mg}(p, \gamma)$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
^{26}Al	$^{25}\text{Mg}(p, \gamma)$	$E \approx 389.2-390 \text{ keV}$	JOUR Z.Phys. A320, 693	85Be17
	$^{25}\text{Mg}(p, \gamma)$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	$^{12}\text{C}(^{16}\text{O}, n p)$	$E=53.7, 56 \text{ MeV}$	JOUR Phys.Rev. C31, 858	85Ka03
^{27}Al	$^{26}\text{Mg}(p, \gamma)$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	$^{27}\text{Al}(p, p')$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
^{28}Si	$^{27}\text{Al}(p, \gamma)$	$E=0.5-1.8 \text{ MeV}$	JOUR Bull.Am.Phys.Soc. 30, 725, CE6	85HaZZ
	$^{28}\text{Si}(p, p')$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	$^{31}\text{P}(p, \alpha)$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	$^{12}\text{C}(^{18}\text{O}, \alpha)$	$E(\text{cm})=15.5-16.5 \text{ MeV}$	JOUR Phys.Rev. C31, 1255	85Ga05
	$^{28}\text{Si}(^{16}\text{O}, ^{16}\text{O})$	$E=20-35 \text{ MeV}$	JOUR Can.J.Phys. 63, 1274	85Ho24
^{29}Si	$^{29}\text{Si}(p, p')$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
^{29}P	$^{28}\text{Si}(p, \gamma)$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	$^{28}\text{Si}(p, \gamma)$	$E=1.3-3 \text{ MeV}$	JOUR J.Phys.(Paris) 46, 1881	85Ki15
^{30}P	$^{28}\text{Si}(p, \gamma)$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
^{31}P	$^{30}\text{Si}(p, \gamma)$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	$^{31}\text{P}(p, p')$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
^{32}S	$^{31}\text{P}(p, \gamma)$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	$^{32}\text{S}(p, p')$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
^{33}S	$^{33}\text{S}(p, p')$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
^{34}S	$^{34}\text{S}(p, p')$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	$^{37}\text{Cl}(p, \alpha)$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	$^{37}\text{Cl}(p, \alpha)$	$E=0.65-2.5 \text{ MeV}$	JOUR Nucl.Phys. A439, 176	85We07
^{33}Cl	$^{32}\text{S}(p, \gamma)$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
^{34}Cl	$^{34}\text{S}(p, n)$	$E=9.1 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
^{35}Cl	$^{34}\text{S}(p, \gamma)$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
	$^{35}\text{Cl}(p, p')$	$E=2.4-4.2 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07

RESIDUAL INDEX

RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{37}Cl	$^{37}\text{Cl}(p,p')$	$E=2.4-4.2\text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
^{38}Ar	$^{35}\text{Cl}(p,\gamma)$ $^{12}\text{C}(^{32}\text{S},X)$	$E=2.4-4.2\text{ MeV}$ $E(\text{cm})=16-28\text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123 JOUR Phys.Rev. C32, 1080	85Ki07 85Ko21
^{37}Ar	$^{37}\text{Cl}(p,n)$ $^{37}\text{Cl}(p,n)$ $^{12}\text{C}(^{32}\text{S},X)$	$E=2.4-4.2\text{ MeV}$ $E=0.65-2.5\text{ MeV}$ $E(\text{cm})=16-28\text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123 JOUR Nucl.Phys. A439, 176 JOUR Phys.Rev. C32, 1080	85Ki07 85We07 85Ko21
^{38}Ar	$^{37}\text{Cl}(p,\gamma)$ $^{37}\text{Cl}(p,\gamma)$ $^{41}\text{K}(p,\alpha)$ $^{12}\text{C}(^{32}\text{S},X)$	$E=2.4-4.2\text{ MeV}$ $E=0.65-2.5\text{ MeV}$ $E=2.4-4.2\text{ MeV}$ $E(\text{cm})=16-28\text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123 JOUR Nucl.Phys. A439, 176 JOUR J.Radioanal.Nucl.Chem. 89, 123 JOUR Phys.Rev. C32, 1080	85Ki07 85We07 85Ki07 85Ko21
^{39}K	$^{12}\text{C}(^{32}\text{S},X)$	$E(\text{cm})=16-28\text{ MeV}$	JOUR Phys.Rev. C32, 1080	85Ko21
^{40}K	$^{12}\text{C}(^{32}\text{S},X)$	$E(\text{cm})=16-28\text{ MeV}$	JOUR Phys.Rev. C32, 1080	85Ko21
^{41}K	$^{41}\text{K}(p,p')$	$E=2.4-4.2\text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
^{42}K	$^{43}\text{Ca}(p,2p)$ $^{44}\text{Ca}(p,n2p)$ $^{42}\text{Ca}(d,2p)$ $^{43}\text{Ca}(d,n2p)$ $^{44}\text{Ca}(d,\alpha)$ $^{46}\text{Ca}(d,2n\alpha)$	$E=\text{threshold}-22\text{ MeV}$ $E=\text{threshold}-22\text{ MeV}$ $E=\text{threshold}-22\text{ MeV}$ $E=\text{threshold}-22\text{ MeV}$ $E=\text{threshold}-22\text{ MeV}$ $E=\text{threshold}-22\text{ MeV}$	JOUR At.Energ. 57, 130 JOUR At.Energ. 57, 130 JOUR At.Energ. 57, 130 JOUR At.Energ. 57, 130 JOUR At.Energ. 57, 130 JOUR At.Energ. 57, 130	84Dm01 84Dm01 84Dm01 84Dm01 84Dm01 84Dm01
^{43}K	$^{44}\text{Ca}(p,2p)$ $^{46}\text{Ca}(p,\alpha)$ $^{46}\text{Ca}(p,2n\alpha)$ $^{43}\text{Ca}(d,2p)$ $^{46}\text{Ca}(d,n\alpha)$	$E=\text{threshold}-22\text{ MeV}$ $E=\text{threshold}-22\text{ MeV}$ $E=\text{threshold}-22\text{ MeV}$ $E=\text{threshold}-22\text{ MeV}$ $E=\text{threshold}-22\text{ MeV}$	JOUR At.Energ. 57, 130 JOUR At.Energ. 57, 130 JOUR At.Energ. 57, 130 JOUR At.Energ. 57, 130 JOUR At.Energ. 57, 130	84Dm01 84Dm01 84Dm01 84Dm01 84Dm01
^{39}Ca	$^{39}\text{K}(p,n)$	$E=2.4-4.2\text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
^{40}Ca	$^{39}\text{K}(p,\gamma)$	$E=2.4-4.2\text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
^{41}Ca	$^{41}\text{K}(p,n)$ $^{12}\text{C}(^{32}\text{S},X)$	$E=2.4-4.2\text{ MeV}$ $E(\text{cm})=16-28\text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123 JOUR Phys.Rev. C32, 1080	85Ki07 85Ko21
^{42}Ca	$^{41}\text{K}(p,\gamma)$ $^{42}\text{Ca}(p,p')$ $^{12}\text{C}(^{32}\text{S},X)$	$E=2.4-4.2\text{ MeV}$ $E=2.4-4.2\text{ MeV}$ $E(\text{cm})=16-28\text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123 JOUR J.Radioanal.Nucl.Chem. 89, 123 JOUR Phys.Rev. C32, 1080	85Ki07 85Ki07 85Ko21
^{43}Ca	$^{43}\text{Ca}(p,p')$	$E=2.4-4.2\text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123	85Ki07
^{44}Ca	$^{44}\text{Ca}(^{18}\text{O},^{18}\text{O}')$	$E(\text{cm})=19-28\text{ MeV}$	JOUR Nucl.Phys. A443, 525	85De38
^{42}Sc	$^{12}\text{C}(^{32}\text{S},X)$	$E(\text{cm})=16-28\text{ MeV}$	JOUR Phys.Rev. C32, 1080	85Ko21
^{43}Sc	$^{12}\text{C}(^{32}\text{S},X)$	$E(\text{cm})=16-28\text{ MeV}$	JOUR Phys.Rev. C32, 1080	85Ko21
^{44}Sc	$^{44}\text{Ca}(p,n)$ $^{43}\text{Sc}(p,np)$ $^{43}\text{Sc}(d,t)$ $^{43}\text{Sc}(^3\text{He},\alpha)$ $^{43}\text{Sc}(\alpha,n\alpha)$	$E=9.1\text{ MeV}$ $E=22.8\text{ MeV}$ $E=22.8\text{ MeV}$ $E=32.1\text{ MeV}$ $E=43.7\text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 447 JOUR At.Energ. 58, 140 JOUR At.Energ. 58, 140 JOUR At.Energ. 58, 140 JOUR At.Energ. 58, 140	85Ku13 85Ko34 85Ko34 85Ko34 85Ko34
^{45}Sc	$^{44}\text{Ca}(p,\gamma)$ $^{43}\text{Sc}(p,p')$ $^{42}\text{Ca}(\alpha,p)$ $^{42}\text{Ca}(\alpha,p)$	$E=2.4-4.2\text{ MeV}$ $E=2.4-4.2\text{ MeV}$ $E=4.78-5.92\text{ MeV}$ $E=3.42-5.62\text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 89, 123 JOUR J.Radioanal.Nucl.Chem. 89, 123 JOUR Nucl.Phys. A443, 487 JOUR Nucl.Phys. A443, 487	85Ki07 85Ki07 85Mi17 85Mi17
^{46}Sc	$^{43}\text{Sc}(d,p)$ $^{43}\text{Sc}(^3\text{He},2p)$ $^{43}\text{Sc}(\alpha,n2p)$	$E=43.7\text{ MeV}$ $E=22.4\text{ MeV}$ $E=32.1\text{ MeV}$	JOUR At.Energ. 58, 140 JOUR At.Energ. 58, 140 JOUR At.Energ. 58, 140	85Ko34 85Ko34 85Ko34

RESIDUAL INDEX

RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
⁴⁸ Se	⁴⁸ Ca(p,n)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85K107
⁴⁶ Ti	⁴⁵ Sc(p,γ)	E=2.4-4.2 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 123	85K107
	⁴² Ca(α,γ)	E=4.06-5.92 MeV	JOUR Nucl.Phys. A443, 487	85M117
⁴⁸ Ti	⁴⁸ Ti(¹² C, ¹² C')	E=17-27 MeV	JOUR Nucl.Phys. A443, 525	85De38
⁴⁷ V	³² S(¹⁸ O,t)	E=15-44 MeV	JOUR Radiochim.Acta 37, 1	84Ro29
⁴⁸ V	⁴⁵ Sc(α,n)	E=43.7 MeV	JOUR At.Energ. 58, 140	85Ko34
⁵⁰ Cr	⁵⁰ Cr(p,p')	E=1.7-2.5 MeV	JOUR Phys.Rev. C33, 103	86Di01
⁵¹ Cr	⁵¹ V(p,n)	E=1.9-4.5 MeV	JOUR Pramana 24, 629	85Ka09
	⁵¹ V(p,n)	E=2-12 MeV	JOUR Yad.Fiz. 41, 607	85Ro11
	⁴⁸ Ti(¹² C,n2α)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
⁵² Cr	⁴⁸ Ti(¹² C,2α)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	⁴⁸ Ti(¹³ C,n2α)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
⁵⁴ Cr	⁴⁸ Ti(¹² C,2pα)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
⁵¹ Mn	⁵⁰ Cr(p,γ)	E=1.7-2.5 MeV	JOUR Phys.Rev. C33, 103	86Di01
⁵² Mn	⁵² Cr(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	⁵⁹ Co(α,X)	E=38,50,65,85 MeV	JOUR Phys.Rev. C32, 1214	85Ga12
⁵³ Mn	⁴⁸ Ti(¹² C,2npα)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
⁵⁴ Mn	⁵⁹ Co(α,X)	E=38,50,65,85 MeV	JOUR Phys.Rev. C32, 1214	85Ga12
	⁴⁸ Ti(¹² C,npα)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	⁴⁸ Ti(¹² C,npα)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	⁴⁸ Ti(¹³ C,2npα)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
⁵⁵ Mn	⁴⁸ Ti(¹² C,pα)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	⁴⁸ Ti(¹² C,pα)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	⁴⁸ Ti(¹³ C,npα)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
⁵⁶ Mn	⁴⁸ Ti(¹³ C,2n3p)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
⁵³ Fe	⁴⁸ Ti(¹² C,3nα)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
⁵⁴ Fe	⁴⁸ Ti(¹² C,2nα)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	⁴⁸ Ti(¹³ C,3nα)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
⁵⁵ Fe	⁴⁸ Ti(¹³ C,2nα)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
⁵⁶ Fe	⁴⁸ Ti(¹² C,2n2p)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	⁴⁸ Ti(¹² C,α)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	⁴⁸ Ti(¹³ C,nα)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
⁵⁷ Fe	⁴⁸ Ti(¹² C,n2p)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	⁴⁸ Ti(¹³ C,α)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
⁵⁸ Fe	⁴⁸ Ti(¹³ C,n2p)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
⁵⁶ Co	⁵⁹ Co(α,X)	E=38,50,65,85 MeV	JOUR Phys.Rev. C32, 1214	85Ga12
	⁴⁸ Ti(¹² C,3np)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
⁵⁷ Co	⁵⁹ Co(α,X)	E=38,50,65,85 MeV	JOUR Phys.Rev. C32, 1214	85Ga12
	⁴⁸ Ti(¹² C,2np)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02
	⁴⁸ Ti(¹³ C,3np)	E=46 MeV	JOUR Nucl.Phys. A435, 301	85Du02
⁵⁸ Co	Cu(p,X)	E=4-33 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 657	85Ko26
	⁵⁹ Co(α,X)	E=38,50,65,85 MeV	JOUR Phys.Rev. C32, 1214	85Ga12
	⁴⁸ Ti(¹² C,np)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	85Du02

RESIDUAL INDEX

RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
⁵⁸ Co	⁴⁸ Ti(¹³ C,2np)	E=46 MeV	JOUR Nucl.Phys. A435, 301	⁵⁸ Co02
⁵⁹ Co	⁵⁹ Co(⁶ Li,dα)	E=41 MeV	JOUR Yad.Fiz. 41, 31	⁵⁹ Co11
	⁴⁸ Ti(¹² C,p)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	⁵⁹ Co02
	⁴⁸ Ti(¹³ C,np)	E=46 MeV	JOUR Nucl.Phys. A435, 301	⁵⁹ Co02
⁶⁰ Co	⁴⁸ Ti(¹³ C,p)	E=46 MeV	JOUR Nucl.Phys. A435, 301	⁶⁰ Co02
⁵⁶ Ni	⁴⁸ Ti(¹² C,4n)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	⁵⁶ Ni02
⁵⁷ Ni	⁴⁸ Ti(¹² C,3n)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	⁵⁷ Ni02
	⁴⁸ Ti(¹³ C,4n)	E=46 MeV	JOUR Nucl.Phys. A435, 301	⁵⁷ Ni02
⁵⁸ Ni	⁵⁸ Ni(p,p')	E=0.75-5 MeV	JOUR Phys.Rev. C31, 800	⁵⁸ Ni05
	⁵⁸ Ni(p,p')	E=1.18-4.2 MeV	JOUR Nucl.Phys. A439, 371	⁵⁸ Ni04
	⁴⁸ Ti(¹² C,2n)	E=47.5 MeV	JOUR Nucl.Phys. A435, 301	⁵⁸ Ni02
	⁴⁸ Ti(¹³ C,3n)	E=46 MeV	JOUR Nucl.Phys. A435, 301	⁵⁸ Ni02
⁵⁹ Ni	⁴⁸ Ti(¹³ C,2n)	E=46 MeV	JOUR Nucl.Phys. A435, 301	⁵⁹ Ni02
⁶⁴ Ni	⁶⁴ Ni(⁶⁴ Ni, ⁶⁴ Ni)	E=4.5-6.5 MeV	JOUR Phys.Rev. C33, 379	⁶⁴ Ni01
⁵⁹ Cu	⁵⁸ Ni(p,γ)	E=0.75-5 MeV	JOUR Phys.Rev. C31, 800	⁵⁹ Cu05
	⁵⁸ Ni(p,γ)	E=1.18-4.2 MeV	JOUR Nucl.Phys. A439, 371	⁵⁹ Cu04
⁶⁰ Cu	⁶⁰ Ni(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	⁶⁰ Cu13
	⁵⁹ Co(α,X)	E=38,50,65,85 MeV	JOUR Phys.Rev. C32, 1214	⁶⁰ Cu12
⁶¹ Cu	⁵⁹ Co(α,X)	E=38,50,65,85 MeV	JOUR Phys.Rev. C32, 1214	⁶¹ Cu12
⁶³ Cu	⁶³ Cu(p,p')	E=threshold-3.25 MeV	JOUR Aust.J.Phys. 36, 463	⁶³ Cu19
⁶⁴ Cu	⁶⁴ Ni(p,n)	E=threshold-4.86 MeV	JOUR Aust.J.Phys. 36, 463	⁶⁴ Cu19
⁶⁵ Cu	⁶⁴ Ni(p,γ)	E=1.05-4 MeV	JOUR Aust.J.Phys. 36, 463	⁶⁵ Cu19
⁶² Zn	⁶³ Cu(p,2n)	E=4-33 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 657	⁶² Zn26
	⁶³ Cu(p,n)	E=1.05-3.25 MeV	JOUR Aust.J.Phys. 36, 463	⁶³ Zn19
⁶³ Zn	⁶³ Cu(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	⁶³ Zn13
	⁶³ Cu(p,γ)	E=1-3.45 MeV	JOUR Aust.J.Phys. 36, 463	⁶³ Zn19
⁶⁵ Zn	⁶⁵ Cu(p,n)	E=threshold-3.8 MeV	JOUR Aust.J.Phys. 36, 463	⁶⁵ Zn19
	⁶⁵ Cu(p,n)	E=4-33 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 657	⁶⁵ Zn26
⁶⁶ Zn	⁶⁵ Cu(p,γ)	E=1.05-4.7 MeV	JOUR Aust.J.Phys. 36, 463	⁶⁶ Zn19
⁶⁶ Ga	⁶⁶ Zn(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	⁶⁶ Ga13
	⁶⁶ Zn(d,2n)	E=7,8,4,9,10 MeV	JOUR J.Radioanal.Nucl.Chem. 84, 263	⁶⁶ Ga23
⁶⁷ Ga	⁶⁶ Zn(d,n)	E=8.4 MeV	JOUR J.Radioanal.Nucl.Chem. 84, 263	⁶⁷ Ga23
⁶⁸ Ga	⁶⁸ Zn(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	⁶⁸ Ga13
⁶⁹ Ge	⁶⁹ Ga(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	⁶⁹ Ge13
⁷⁰ As	⁷⁰ Ge(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	⁷⁰ As13
⁷¹ As	⁷⁰ Se(p,2nα)	E=13-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	⁷¹ As25
⁷² As	⁷² Ge(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	⁷² As13
	⁷⁰ Se(p,nα)	E=30-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	⁷² As25
⁷³ As	⁷⁰ Se(p,α)	E=20-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	⁷³ As25

RESIDUAL INDEX

RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
⁷⁴ As	⁷⁶ Se(p,n2p)	E≈29-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
	⁷⁶ Se(p,pd)	E≈29-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
	⁷⁶ Se(p, ³ He)	E≈29-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
⁷⁶ As	⁷⁶ Ge(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
⁷⁵ Se	⁷⁶ Se(p,np)	E≈7-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
⁷⁴ Br	⁷⁶ Se(p,3n)	E=10-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
⁷⁵ Br	⁷⁶ Se(p,2n)	E≈32-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
	⁷⁶ Se(p,2n)	E=22-28 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 961	85Va19
	⁷⁶ Se(p,xn)	E=threshold-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
⁷⁶ Br	⁷⁶ Se(p,n)	E≈15.5-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
	⁷⁶ Se(p,xn)	E=threshold-40 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 635	85Ko25
	⁷⁹ Br(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸¹ Br(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁷⁹ Br(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸¹ Br(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
⁷⁷ Br	⁷⁹ Br(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸¹ Br(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁷⁹ Br(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸¹ Br(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
⁷⁶ Kr	⁷⁹ Br(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸¹ Br(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁷⁹ Br(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸¹ Br(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
⁷⁷ Kr	⁷⁹ Br(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸¹ Br(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁷⁹ Br(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸¹ Br(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
⁷⁹ Kr	⁷⁹ Br(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸¹ Br(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁷⁹ Br(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸¹ Br(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
⁸⁵ Kr	²⁰⁹ Bi(α,F)	E=49.1,44.9 MeV	JOUR Radiochim.Acta 38, 69	85Ra29
⁸⁴ Rb	⁸⁵ Rb(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸⁷ Rb(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸⁵ Rb(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸⁷ Rb(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
⁸⁵ Rb	²³² Th(p,F)	E=97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
⁸⁶ Rb	⁸⁵ Rb(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸⁷ Rb(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸⁵ Rb(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸⁷ Rb(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	²³² Th(p,F)	E=97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
⁸⁷ Rb	²³² Th(p,F)	E=97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
⁸⁸ Rb	²³² Th(p,F)	E=97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
⁸⁹ Rb	²³² Th(p,F)	E=97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
⁹⁰ Rb	²³² Th(p,F)	E=97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
⁹¹ Rb	²³² Th(p,F)	E=97 MeV	JOUR Phys.Rev. C32, 916	85Pa20

RESIDUAL INDEX

RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
⁹² Rb	²³² Th(p,F)	E=97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
⁹³ Rb	²³² Th(p,F)	E=97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
⁹⁴ Rb	²³² Th(p,F)	E=97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
⁹⁵ Rb	²³² Th(p,F)	E=97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
⁹⁶ Rb	²³² Th(p,F)	E=97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
⁹⁷ Rb	²³² Th(p,F)	E=97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
⁸³ Sr	⁸⁵ Rb(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸⁷ Rb(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸⁵ Rb(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸⁷ Rb(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
⁸⁴ Sr	⁷⁴ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	⁷⁶ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
⁸⁵ Sr	⁸⁵ Rb(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	⁸⁵ Rb(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸⁷ Rb(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸⁵ Rb(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸⁷ Rb(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁷⁴ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	⁷⁶ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
⁸⁶ Sr	⁸⁷ Sr(p,np)	E=14-17.6 MeV	JOUR Phys.Rev. C32, 92	85Do10
	⁷⁴ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	⁷⁶ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
⁸⁷ Sr	⁸⁷ Rb(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	⁸⁵ Rb(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸⁷ Rb(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸⁵ Rb(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁸⁷ Rb(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	⁷⁴ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	⁷⁶ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
⁹¹ Sr	²⁰⁹ Bi(α,F)	E=49.1,44.9 MeV	JOUR Radiochim.Acta 38, 69	85Ra29
⁹² Sr	²⁰⁹ Bi(α,F)	E=49.1,44.9 MeV	JOUR Radiochim.Acta 38, 69	85Ra29
⁸¹ Y	⁵⁸ Ni(²⁸ Si,2n3p)	E=80-130 MeV	JOUR J.Phys.(London) G11, 969	85Li12
	⁵⁸ Ni(²⁸ Si,pa)	E=100-130 MeV	JOUR J.Phys.(London) G11, 969	85Li12
⁸⁶ Y	⁸⁶ Sr(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	⁷⁴ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	⁷⁶ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
⁸⁷ Y	⁸⁷ Sr(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	⁷⁴ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	⁷⁶ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
⁸⁸ Y	⁷⁴ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	⁷⁶ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
⁸⁹ Y	⁷⁴ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	⁷⁶ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
⁸⁶ Zr	⁷⁴ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	⁷⁶ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
⁸⁸ Zr	⁷⁶ Ge(¹⁸ O,6n)	E=40-80 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	⁷⁴ Ge(¹⁸ O,xnypza)	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09

RESIDUAL INDEX

RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
$^{88}\text{Zr}^{\alpha}$	$^{76}\text{Ge}(^{18}\text{O}, \text{xnp}\alpha)$	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
^{89}Zr	$^{89}\text{Y}(\text{p}, \text{n})$	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	$^{76}\text{Ge}(^{18}\text{O}, 5\text{n})$	E=40-80 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	$^{74}\text{Ge}(^{18}\text{O}, \text{xnp}\alpha)$	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	$^{76}\text{Ge}(^{18}\text{O}, \text{xnp}\alpha)$	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
^{90}Zr	$^{91}\text{Zr}(\text{p}, \text{np})$	E=14-17.6 MeV	JOUR Phys.Rev. C32, 92	85Do10
	$^{76}\text{Ge}(^{18}\text{O}, 4\text{n})$	E=40-80 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	$^{74}\text{Ge}(^{18}\text{O}, \text{xnp}\alpha)$	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	$^{76}\text{Ge}(^{18}\text{O}, \text{xnp}\alpha)$	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
^{91}Zr	$^{76}\text{Ge}(^{18}\text{O}, 3\text{n})$	E=40-80 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	$^{74}\text{Ge}(^{18}\text{O}, \text{xnp}\alpha)$	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	$^{76}\text{Ge}(^{18}\text{O}, \text{xnp}\alpha)$	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
^{92}Zr	$^{74}\text{Ge}(^{18}\text{O}, \text{xnp}\alpha)$	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
	$^{76}\text{Ge}(^{18}\text{O}, \text{xnp}\alpha)$	E=60 MeV	JOUR Phys.Rev. C31, 1184	85Wa09
^{95}Zr	$^{209}\text{Bi}(\alpha, \text{F})$	E=49.1, 44.9 MeV	JOUR Radiochim.Acta 38, 69	85Ra29
^{97}Zr	$^{209}\text{Bi}(\alpha, \text{F})$	E=49.1, 44.9 MeV	JOUR Radiochim.Acta 38, 69	85Ra29
^{90}Nb	$^{90}\text{Zr}(\text{p}, \text{n})$	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
^{93}Mo	$^{93}\text{Nb}(\text{p}, \text{n})$	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
^{99}Mo	$^{209}\text{Bi}(\alpha, \text{F})$	E=49.1, 44.9 MeV	JOUR Radiochim.Acta 38, 69	85Ra29
^{94}Tc	$^{93}\text{Nb}(\alpha, 3\text{n})$	E=30-70 MeV	JOUR Yad.Fiz. 41, 1435	85Vi05
^{95}Tc	$^{95}\text{Mo}(\text{p}, \text{n})$	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
^{99}Tc	$^{96}\text{Zr}(^6\text{Li}, 3\text{n})$	E=18-25 MeV	JOUR Phys.Rev. C31, 409	85Ka02
^{104}Tc	$^{209}\text{Bi}(\alpha, \text{F})$	E=49.1, 44.9 MeV	JOUR Radiochim.Acta 38, 69	85Ra29
^{103}Ru	$^{209}\text{Bi}(\alpha, \text{F})$	E=49.1, 44.9 MeV	JOUR Radiochim.Acta 38, 69	85Ra29
^{105}Ru	$^{209}\text{Bi}(\alpha, \text{F})$	E=49.1, 44.9 MeV	JOUR Radiochim.Acta 38, 69	85Ra29
^{97}Rh	$^{96}\text{Ru}(\alpha, 2\text{np})$	E=30-55 MeV	JOUR Z.Phys. A320, 467	85Be06
^{98}Rh	$^{96}\text{Ru}(\alpha, \text{np})$	E=30-55 MeV	JOUR Z.Phys. A320, 467	85Be06
^{99}Rh	$^{99}\text{Ru}(\text{p}, \text{n})$	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	$^{96}\text{Ru}(\alpha, \text{p})$	E=30-55 MeV	JOUR Z.Phys. A320, 467	85Be06
^{98}Pd	$^{96}\text{Ru}(\alpha, 2\text{n})$	E=30-55 MeV	JOUR Z.Phys. A320, 467	85Be06
^{98}Pd	$^{96}\text{Ru}(\alpha, \text{n})$	E=30-55 MeV	JOUR Z.Phys. A320, 467	85Be06
^{105}Pd	$^{105}\text{Pd}(\text{p}, \text{p}')$	E=2-4 MeV	JOUR Phys.Rev. C32, 1882	85Ta19
^{112}Pd	$^{209}\text{Bi}(\alpha, \text{F})$	E=49.1, 44.9 MeV	JOUR Radiochim.Acta 38, 69	85Ra29
^{107}Cd	$^{107}\text{Ag}(\text{p}, \text{n})$	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
^{115}Cd	$^{209}\text{Bi}(\alpha, \text{F})$	E=49.1, 44.9 MeV	JOUR Radiochim.Acta 38, 69	85Ra29
^{107}In	$^{107}\text{Ag}(\alpha, 4\text{n})$	E=threshold-50 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 531	85Wa18
^{108}In	$^{111}\text{Cd}(\text{p}, 4\text{n})$	E=threshold-50 MeV	JOUR Z.Phys. A322, 93	85Ma45
	$^{109}\text{Ag}(^3\text{He}, 4\text{n})$	E=threshold-50 MeV	JOUR Z.Phys. A322, 93	85Ma45
	$^{107}\text{Ag}(\alpha, 3\text{n})$	E=threshold-50 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 531	85Wa18

RESIDUAL INDEX

RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
¹⁰⁹ In	¹¹¹ Cd(p,3n)	E=threshold-50 MeV	JOUR Z.Phys. A322, 93	85Ma45
	¹⁰⁹ Ag(³ He,3n)	E=threshold-50 MeV	JOUR Z.Phys. A322, 93	85Ma45
	¹⁰⁷ Ag(α,2n)	E=threshold-50 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 531	85Wa18
	¹⁰⁹ Ag(α,4n)	E=threshold-50 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 531	85Wa18
¹¹⁰ In	¹¹⁰ Cd(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	¹¹¹ Cd(p,2n)	E=threshold-50 MeV	JOUR Z.Phys. A322, 93	85Ma45
	¹⁰⁹ Ag(³ He,2n)	E=threshold-50 MeV	JOUR Z.Phys. A322, 93	85Ma45
	¹⁰⁷ Ag(α,n)	E≈30-55 MeV	JOUR J.Radioanal.Nucl.Chem. 95, 29	85Wa23
	¹⁰⁹ Ag(α,3n)	E=threshold-50 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 531	85Wa18
	¹⁰⁹ Ag(α,3n)	E≈20-40 MeV	JOUR J.Radioanal.Nucl.Chem. 95, 29	85Wa23
¹¹¹ In	¹¹¹ Cd(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	¹¹¹ Cd(p,n)	E=threshold-50 MeV	JOUR Z.Phys. A322, 93	85Ma45
	¹⁰⁹ Ag(³ He,n)	E=threshold-50 MeV	JOUR Z.Phys. A322, 93	85Ma45
	¹⁰⁹ Ag(α,2n)	E=threshold-50 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 531	85Wa18
¹¹² In	¹¹² Cd(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
¹¹³ In	¹¹³ Cd(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
¹¹⁶ In	¹¹⁶ Cd(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
¹¹⁶ Sb	¹¹⁶ Sn(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
¹¹⁷ Sb	¹¹⁷ Sn(p,n)	E=4.75-0.25 MeV	JOUR Pisma Zh.Eksp.Teor.Fiz. 40, 487	84Gu30
	¹¹⁷ Sn(p,n)	E=4.4-4.6 MeV	JOUR Yad.Fiz. 41, 3	85Gu06
	¹¹⁷ Sn(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
¹²⁴ I	¹²⁷ I(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	¹²⁷ I(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
¹²⁶ I	¹²⁷ I(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	¹²⁷ I(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
¹²⁸ I	¹²⁸ Te(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
¹²³ Xe	¹²⁷ I(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	¹²⁷ I(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
¹²⁵ Xe	¹²⁷ I(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	¹²⁷ I(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
¹²⁷ Xe	¹²⁷ I(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
	¹²⁷ I(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	¹²⁷ I(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
¹³⁰ Xe	¹²⁸ Te(α,2n)	E=6-30 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 47, 2228	83Ba64
¹³² Xe	¹³⁰ Te(α,2n)	E=6-30 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 47, 2228	83Ba64
¹²⁸ Cs	²³² Th(p,F)	E=29,59,75,97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
¹³⁰ Cs	¹³³ Cs(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	¹³³ Cs(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	²³² Th(p,F)	E=29,59,75,97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
¹³² Cs	¹³³ Cs(p,xn)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	¹³³ Cs(p,xnp)	E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23
	²³² Th(p,F)	E=29,59,75,97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
¹³³ Cs	¹³³ Cs(p,p')	E=3.2-4.2 MeV	JOUR Can.J.Phys. 63, 483	85Si10
¹³⁴ Cs	²³² Th(p,F)	E=29,59,75,97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
¹³⁶ Cs	²³² Th(p,F)	E=29,59,75,97 MeV	JOUR Phys.Rev. C32, 916	85Pa20

RESIDUAL INDEX

RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
¹³⁸ Ce	²⁰² Th(p,F)	E=29,59,75,97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
¹⁴⁰ Cs	²³² Th(p,F)	E=29,59,75,97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
¹⁴² Cs	²³² Th(p,F)	E=29,59,75,97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
¹⁴⁴ Cs	²³² Th(p,F)	E=29,59,75,97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
¹⁴⁶ Cs	²³² Th(p,F)	E=29,59,75,97 MeV	JOUR Phys.Rev. C32, 916	85Pa20
¹²⁸ Ba	¹³³ Cs(p,xn) ¹³³ Cs(p,xnp)	E=threshold-52 MeV E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481 JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23 85Sa23
¹³¹ Ba	¹³³ Cs(p,xn) ¹³³ Cs(p,xnp)	E=threshold-52 MeV E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481 JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23 85Sa23
¹³³ Ba	¹³³ Cs(p,xn) ¹³³ Cs(p,xnp)	E=threshold-52 MeV E=threshold-52 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 481 JOUR Int.J.Appl.Radiat.Isotop. 36, 481	85Sa23 85Sa23
¹⁵⁰ Pm	¹⁵⁰ Nd(p,n)	E=9.1 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 447	85Ku13
¹⁵¹ Sm	¹⁵² Eu(t,α)	E=16 MeV	JOUR Nucl.Phys. A439, 299	85Ma26
¹⁵³ Sm	¹⁵⁴ Eu(t,α)	E=16 MeV	JOUR Nucl.Phys. A439, 299	85Ma26
¹⁵⁷ Gd	¹⁵⁴ Sm(α,n)	E=46.7-60.7 MeV	JOUR Phys.Rev. C31, 1752	85Gi04
¹⁴⁸ Tb	¹⁴¹ Pr(¹⁴ N,6np)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
¹⁴⁹ Tb	¹⁴¹ Pr(¹⁴ N,5np)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
¹⁵⁰ Tb	¹⁴¹ Pr(¹⁴ N,4np)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
¹⁵¹ Tb	¹⁴¹ Pr(¹⁴ N,3np)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
¹⁵² Tb	¹⁴¹ Pr(¹⁴ N,2np)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
¹⁴⁸ Dy	¹⁴¹ Pr(¹⁴ N,7n)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
¹⁴⁹ Dy	¹⁴¹ Pr(¹⁴ N,6n)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
¹⁵⁰ Dy	¹⁴¹ Pr(¹⁴ N,5n)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
¹⁵¹ Dy	¹⁴¹ Pr(¹⁴ N,4n)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
¹⁵² Dy	¹⁴¹ Pr(¹⁴ N,3n)	E=threshold-120 MeV	JOUR Phys.Rev. C32, 1612	85Ko30
¹⁶¹ Er	¹⁵⁰ Nd(¹⁶ O,5n)	E=47-61 MeV	JOUR Phys.Rev. C31, 1752	85Gi04
¹⁶² Er	¹⁵⁴ Sm(¹² C,4n) ¹⁵⁰ Nd(¹⁶ O,4n)	E=15-24 MeV E=64-88 MeV	JOUR Phys.Rev. C31, 1752 JOUR Phys.Rev. C31, 1752	85Gi04 85Gi04
¹⁶³ Er	¹⁵⁰ Nd(¹⁶ O,3n)	E≈60-84 MeV	JOUR Phys.Rev. C31, 1752	85Gi04
¹⁶⁶ Er	¹⁶⁵ Ho(³ He,d)	E=50,80,110 MeV	REPT RCNP Osaka,1983 Ann,P71	84MoZS
¹⁶⁷ Er	¹⁶⁵ Ho(³ He,p) ¹⁶⁵ Ho(α,d)	E=40,70,110 MeV E=50,80,110 MeV	REPT RCNP Osaka,1983 Ann,P71 REPT RCNP Osaka,1983 Ann,P71	84MoZS 84MoZS
¹⁶⁸ Er	¹⁶⁵ Ho(α,p)	E=40,70,110 MeV	REPT RCNP Osaka,1983 Ann,P71	84MoZS
¹⁶⁵ Yb	¹⁶⁸ Er(α,xn)	E=10-55 MeV	JOUR Radiochim.Acta 38, 65	85Ar24
¹⁶⁶ Yb	¹⁶⁷ Er(α,xn)	E=10-55 MeV	JOUR Radiochim.Acta 38, 65	85Ar24
¹⁶⁷ Yb	¹⁶⁸ Er(α,xn)	E=10-55 MeV	JOUR Radiochim.Acta 38, 65	85Ar24

RESIDUAL INDEX

RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
¹⁶⁹ Yb	¹⁷⁰ Er(α ,xn)	E=10-55 MeV	JOUR Radiochim.Acta 38, 65	* 85Ar24
¹⁷² Yb	¹⁵⁴ Sm(¹⁸ O,X)	E not given	JOUR J.Phys.(London) G11, 1087	85De31
	¹⁵⁰ Nd(²⁰ Ne,X)	E not given	JOUR J.Phys.(London) G11, 1087	85De31
¹⁹⁸ Hg	¹⁹⁷ Au(p, γ)	E=4 MeV	JOUR Nucl.Phys. A441, 397	85Ar14
¹⁹² Tl	¹⁹⁷ Au(α ,9n)	E=20-120 MeV	REPT RCNP Osaka,1983 Ann,P124	84ShZP
¹⁹³ Tl	¹⁹⁷ Au(α ,8n)	E=20-120 MeV	REPT RCNP Osaka,1983 Ann,P124	84ShZP
¹⁹⁴ Tl	¹⁹⁷ Au(α ,7n)	E=20-120 MeV	REPT RCNP Osaka,1983 Ann,P124	84ShZP
¹⁹⁵ Tl	¹⁹⁷ Au(α ,6n)	E=20-120 MeV	REPT RCNP Osaka,1983 Ann,P124	84ShZP
¹⁹⁶ Tl	¹⁹⁷ Au(α ,5n)	E=20-120 MeV	REPT RCNP Osaka,1983 Ann,P124	84ShZP
¹⁹⁷ Tl	¹⁹⁷ Au(α ,4n)	E=20-120 MeV	REPT RCNP Osaka,1983 Ann,P124	84ShZP
	¹⁹⁷ Au(α ,4n)	E=10-55 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 519	85Ca22
¹⁹⁸ Tl	¹⁹⁷ Au(α ,3n)	E=20-120 MeV	REPT RCNP Osaka,1983 Ann,P124	84ShZP
	¹⁹⁷ Au(α ,3n)	E=10-55 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 519	85Ca22
¹⁹⁹ Tl	¹⁹⁷ Au(α ,2n)	E=20-120 MeV	REPT RCNP Osaka,1983 Ann,P124	84ShZP
	¹⁹⁷ Au(α ,2n)	E=10-55 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 519	85Ca22
²⁰⁰ Tl	¹⁹⁷ Au(α ,n)	E=20-120 MeV	REPT RCNP Osaka,1983 Ann,P124	84ShZP
	¹⁹⁷ Au(α ,n)	E=10-55 MeV	JOUR J.Radioanal.Nucl.Chem. 89, 519	85Ca22
¹⁹⁷ Bi	¹⁹² Pt(¹⁰ B,5n)	E=50-80 MeV	JOUR Phys.Rev. C33, 130	86Ch01
²⁰⁹ Bi	²⁰⁸ Pb(¹⁶ O, ¹⁵ N)	E=threshold-95 MeV	JOUR Phys.Lett. 162, 43	85Pi13
	²⁰⁸ Pb(¹⁶ O,X)	E=threshold-95 MeV	JOUR Phys.Lett. 162, 43	85Pi13
²¹² Po	²⁰⁹ Bi(α ,p)	E=50-100 MeV	JOUR Z.Phys. A321, 107	85Ga09
²¹⁰ At	²⁰⁹ Bi(α ,3n)	E=21.1-29.2 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 443	85La17
²¹¹ At	²⁰⁹ Bi(α ,2n)	E=28.1,28.4,29.2 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 443	85La17
²¹² At	²⁰⁹ Bi(α ,n)	E=50-100 MeV	JOUR Z.Phys. A321, 107	85Ga09
²¹⁵ Fr	²⁰⁸ Pb(¹¹ B,4n)	E=45-66 MeV	JOUR Phys.Rev. C32, 136	85Dr04
²²⁶ Pa	²³² Th(p,7n)	E $\approx$ 35-100 MeV	JOUR Phys.Rev. C32, 916	85Pa20
²²⁷ Pa	²³² Th(p,6n)	E $\approx$ 45-90 MeV	JOUR Phys.Rev. C32, 916	85Pa20
²³³ Pa	²³² Th(p, γ)	E=7-20 MeV	REPT JYFL 1984-85 Annual,P81	85SzZX
²³⁶ Np	²³⁷ Np(d,2np)	E=9-25 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 564	85Ba46
²³⁸ Np	²³⁷ Np(d,p)	E=9-25 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 564	85Ba46
²³⁶ Pu	²³⁷ Np(d,3n)	E=9-25 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 564	85Ba46
²³⁷ Pu	²³⁷ Np(d,2n)	E=9-25 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 564	85Ba46
	²³⁷ Np(d,2n)	E=9-25 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 564	85Ba46
²³⁸ Pu	²³⁷ Np(d,n)	E=9-25 MeV	JOUR Int.J.Appl.Radiat.Isotop. 36, 564	85Ba46
²⁵⁶ 104	²⁴⁰ Cf(¹² C,5n)	E=113 MeV	JOUR Phys.Rev. C31, 1801	85So03
²⁵⁷ 104	²⁴⁰ Cf(¹² C,4n)	E=85 MeV	JOUR Phys.Rev. C31, 1801	85So03
²⁵⁸ 104	²⁴⁰ Cm(¹⁶ O,4n)	E=75 MeV	JOUR Phys.Rev. C31, 1801	85So03

RESIDUAL INDEX

<u>RESIDUAL</u>	<u>TARGET-REACTION</u>	<u>INCIDENT ENERGY</u>	<u>REFERENCE</u>	<u>KEY NUMBER</u>
$^{259}_{104}\text{Po}$	$^{245}\text{Cm}(^{18}\text{O},4\text{n})$	E=95 MeV	JOUR Phys.Rev. C31, 1801	85So03
$^{260}_{104}\text{Po}$	$^{249}\text{Bk}(^{15}\text{N},4\text{n})$	E=93 MeV	JOUR Phys.Rev. C31, 1801	85So03
	$^{248}\text{Cm}(^{18}\text{O},4\text{n})$	E=80 MeV	JOUR Phys.Rev. C31, 1801	85So03
	$^{249}\text{Cf}(^{18}\text{O},3\text{n}\alpha)$	E=92 MeV	JOUR Phys.Rev. C31, 1801	85So03
$^{282}_{104}\text{Po}$	$^{248}\text{Cm}(^{18}\text{O},4\text{n})$	E=96 MeV	JOUR Phys.Rev. C31, 1801	85So03
	$^{244}\text{Pu}(^{22}\text{Ne},4\text{n})$	E=89 MeV	JOUR Phys.Rev. C31, 1801	85So03