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INTEGRAL CHARGED PARTICLE NUCLEAR DATA BIBLIOGRAPHY

Literature scanned from April 11, 1987, through November 10, 1988

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December 1988

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

BROOKHAVEN NATIONAL LABORATORY

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MASTER

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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. In recent years, the presentation of various sections was changed, as a result of users' suggestions. The authors continue to 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

Service area: Union of Soviet Socialist Republics

National Nuclear Data Center, Brookhaven National Laboratory
Upton, NY USA 11973

Service area: United States and Canada

Nuclear Data Section, International Atomic Energy Agency
P.O.B. 100, A-1400,
Vienna, Austria

Service area: Non-OECD countries except for the USSR

Nuclear Energy Agency Data Bank
B.P. 9, F-91190

Gif-Sur-Yvette, France

Service area: 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 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. S. Ramavataram. "Recent References". 3 issues/year in Nuclear Data Sheets. Academic Press, NY.
W.B. Ewbank, et al. Nuclear Structure References. 1969-1974. Nuclear Data Sheets 16, Supplement. Academic Press, NY (1975).
2. INIS Atomindex. International Atomic Energy Agency, Vienna.
3. Atomic Data Nuclear Data Tables 18, 1. Academic Press, NY (1976).
Atomic Data Nuclear Data Tables 15, 189. Academic Press, NY (1975).
F.K. McGowan and W.T. Milner. *Reaction List for Charged-Particle-Induced Reactions*. Atomic Data Nuclear Data Reprints 2, Academic Press, NY (1974).
Atomic Data Nuclear Data Tables 12, 499. Academic Press, NY (1973).
Nuclear Data Tables A11, 1. Academic Press (1972).
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 (1987). First Edition, Supplement 3.
N.E. Holden, et al. *Integral Charged Particle Nuclear Data Bibliography*. BNL-NCS-51771 (1986). First Edition, Supplement 2.
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 made upon 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 as to 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 11, 1987, and November 10, 1988.

Table 3 lists the coverage of 28 "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	18	12	Nucl.Inst.Meth.	271	3
Ann.Nucl.Energy	15	9	Nucl.Phys.A	485	4
Ann.Phys.(N.Y.)	186	2	Nucl.Sci.Eng.	100	3
At.Energy	63	6	Nuovo Cim.A	100	1
Aust.J.Phys.	41	2	Phys.Ser.	38	3
Bull.Am.Phys.Soc.	33	7	Phys.Rev.C	38	4
Can.J.Phys.	66	6	Phys.Rev.Lett.	61	20
Czech.J.Phys.B	38	9	Phys.Lett.B	213	2
Helv.Phys.Acta	61	7	Pramana	30	6
Int.J.Appl.Radiat.Isotop.	39	8	Progr.Theor.Phys.	80	2
Izv.Akad.Nauk SSSR, Ser.Fiz.	52	7	Radiochim.Acta	43	3
J.Phys.Soc.Jpn.	57	8	Ukr.Fiz.Zh.	32	12
J.Phys.(London) G	14	9	Yad.Fiz.	48	1
J.Radioanal.Nucl.Chem.	128	1	Z.Phys.A	330	4

[‡] Journal abbreviations are in agreement with those from the Chemical Abstracts Service for 1970. See also *Serial Titles*, DOE/TIC-4579-R14 (1986).

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 (σv) 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*. Landolt-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 A3, 123. Academic Press, NY (1967).
Nucl. Data A2, 1. Academic Press, NY (1966).
Nucl. Data A1, 203. Academic Press, NY (1965).
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).
F. K. McGowan, et al. *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 15-5 (1982).
Physik Daten 15-4 (1982).
Physik Daten 15-3 (1982).
Physik Daten 15-2 (1979).
Physik Daten 15-1 (1979).
Physik Daten 15-Index (1979).
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 lists 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

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NUCLEAR REACTIONS $^2\text{H}(\text{d},\text{p}), (\text{d}, ^3\text{He}), E=20-117$ keV; measured σ ; deduced $\sigma(E)$ for $^2\text{H}(\text{d}, ^3\text{He})$, astrophysical S -function vs E .
- 86A104 A.Ait Haddou, M.Berrada, G.Paic - J.Radioanal.Nucl.Chem. 102, 159 (1986) - Yields and Average Cross Sections of Recoil Charged Particle Induced Reactions on $^{11}\text{B}, ^{12}\text{C}, ^{13}\text{C}, ^{14}\text{N}, ^{16}\text{O}$ and ^{18}O
NUCLEAR REACTIONS $^{11}\text{B}, ^{13}\text{C}, ^{16}\text{O}(\text{p}, \text{n}), ^{12}\text{C}(\text{p}, \gamma), ^{12}\text{C}, ^{16}\text{O}(\text{d}, \text{n}), ^{14}\text{N}, ^{16}\text{O}(\text{p}, \alpha), ^{16}\text{O}(\text{n}), E < 14.7$ MeV; measured σ , residuals yields. NaI detectors, activation method.
- 86Ba84 V.G.Batti, E.A.Skakun, Yu.N.Rakivnenko, O.A.Rastrepin - Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 913 (1986); Bull.Acad.Sci.USSR, Phys.Ser. 50, No.5, 80 (1986) - Identifying the Excitation Cross Section of a $^{180\text{m}}\text{Ta}$ ($T_{1/2} \leq 10^{13}$ Years) Isomer in a (p,n)-Reaction
NUCLEAR REACTIONS $^{178}, ^{180}\text{Hf}(\text{p}, \text{n}), E \leq 9.1$ MeV; measured residual production $\sigma(E)$. $^{180}\text{Hf}(\text{p}, \text{n}), E=6-9$ MeV; evaluated residual production $\sigma(E)$. Ge(Li) detector.
- 86Ko33 I.O.Konstantinov, P.P.Dmitriev, V.I.Bolotsky - At.Energ. 60, 332 (1986); Sov.At.Energy 60, 390 (1986) - Activation of Zirconium, Niobium, and Tantalum in a Cyclotron
NUCLEAR REACTIONS Zr,Nb,Ta(p,X), $E=6.1-22.4$ MeV; Zr,Nb,Ta(d,X), $E=6.2-22.6$ MeV; Zr,Nb,Ta(α , X) $^{92}\text{Nb}/^{92\text{m}}\text{Nb}/^{91}\text{Nb}/^{91\text{m}}\text{Nb}/^{88}\text{Y}/^{93}\text{Zr}/^{93}\text{Nb}/^{93}\text{Tc}/^{182}\text{Ta}/^{181}\text{W}/^{183}\text{Re}/^{184}\text{Re}/^{181}\text{Ta}/^{87}\text{Y}, E=12.6-45.2$ MeV; measured residual yields vs E . Zr,Nb,Ta(p,X), $E=11.13, 21-22.6$ MeV; Zr,Nb,Ta(d,X), $E=12.20-45.2$ MeV; Zr,Nb,Ta(α , X) $^{92}\text{Nb}/^{92\text{m}}\text{Nb}/^{91}\text{Nb}/^{91\text{m}}\text{Nb}/^{88}\text{Y}/^{93}\text{Zr}/^{93}\text{Tc}/^{182}\text{Ta}/^{181}\text{W}/^{183}\text{Re}/^{184}\text{Re}/^{181}\text{Ta}/^{87}\text{Y}, E=11.18, 26.41-46$ MeV; compiled residual yields.
- 86Za13 P.P.Zarubin, V.P.Gusev, A.E.Antropov - Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160 (1986); Bull.Acad.Sci.USSR, Phys.Ser. 50, No.1, 156 (1986) - A Threshold Isotopic Effect in Competing Proton Scattering Mechanisms at EpibARRIER Energies for Nuclides of Medium Atomic Weight
NUCLEAR REACTIONS Mg,Si,S,Ti,Cr,Fe,Ni,Zn,Mu,Ru,Pd(p,p), (p,u), $E=6$ MeV; compiled reaction Q , excitation energies, σ ; deduced compound nucleus contribution.
- 86Zh08 B.V.Zhuravlev, S.P.Ivanova, N.N.Krasnov, Yu.N.Shubin - At.Energ. 60, 337 (1986); Sov.At.Energy 60, 395 (1986) - Production of ^{123}I by Irradiating ^{124}Xe with 20-30-MeV Protons
NUCLEAR REACTIONS $^{124}\text{Xe}(\text{p}, 2\text{n}), (\text{p}, \text{np}), (\text{p}, \alpha), (\text{p}, 2\text{p}), (\text{p}, 2\text{np}), ^{126}\text{Xe}(\text{p}, 2\text{n}), (\text{p}, 2\text{p}), (\text{p}, \alpha), (\text{p}, \text{np}), (\text{p}, \text{n}), (\text{p}, \text{n}2\text{p}), ^{129}\text{Xe}(\text{p}, \text{n}), ^{123}\text{Xe}(\text{p}, \alpha), E \approx 15-30$ MeV; calculated reaction $\sigma(E)$. Statistical theory.
- 87Ab15 S.N.Abramovich, B.Ya.Guzhovskiy, A.V.Ershov, L.M.Lazarev - Yad.Fiz. 46, 499 (1987) - Analysis of Anomalies in the Excitation Function for the $^7\text{Li}(\text{t}, \text{p})^9\text{Li}$ Reaction
NUCLEAR REACTIONS $^7\text{Li}(\text{t}, \text{p}), (\text{t}, \text{n}), E \approx 5.7-8.5$ MeV; analyzed $\sigma(E)$. ^{10}Li deduced binding energy. ^{10}Be deduced levels, F . General nuclear reaction theory.
- 87Ag05 C.E.Aguiar, V.C.Barbosa, L.F.Canto, R.Donangelo - Nucl.Phys. A472, 571 (1987) - Liquid-Drop Model Description of Heavy Ion Fusion at Sub-Barrier Energies
NUCLEAR REACTIONS $^{58}\text{Ni}(\text{Ni}, \text{X}), E(\text{cm}) \approx 92-110$ MeV; $^{64}\text{Ni}(\text{Ni}, \text{X}), E(\text{cm}) \approx 90-105$ MeV; $^{40}\text{Ca}(\text{Ca}, \text{X}), E(\text{cm}) \approx 50-65$ MeV; $^{74}\text{Ge}(\text{Ge}, \text{X}), E(\text{cm}) \approx 110-150$ MeV; $^{90}\text{Zr}(\text{Zr}, \text{X}), E(\text{cm}) \approx 172-195$ MeV; $^{80}\text{Se}(\text{Se}, \text{X}), E(\text{cm}) \approx 130-150$ MeV; calculated fusion $\sigma(E)$. Liquid drop model.
- 87Ag06 V.A.Ageev, V.Ya.Golovnya, E.A.Gromova, S.A.Egorov, S.S.Kovalenko, A.F.Linev, Yu.A.Nemilov, A.V.Pozdnyakov, V.A.Rubchenya, Yu.A.Selitsky, A.M.Fridkin, V.B.Funshstein, V.A.Yakovlev - Yad.Fiz. 46, 700 (1987); Sov.J.Nucl.Phys. 46, 392 (1987) - Cross Sections for the Reaction $^{238}\text{U}(\text{p}, \text{xn})(239-\text{x})\text{Np}$ in the Proton-Energy Range from 7 to 30 MeV
NUCLEAR REACTIONS $^{238}\text{U}(\text{p}, \text{n}), (\text{p}, 3\text{n}), E \approx 10-40$ MeV; measured $\sigma(E)$, ^{238}Np isomer production σ ratio. $^{238}\text{U}(\text{p}, \text{n}), (\text{p}, 2\text{n}), (\text{p}, 3\text{n}), E \approx 10-40$ MeV; calculated $\sigma(E)$. Statistical model. Preequilibrium particle emission.
- 87Aj01 N.N.Ajitnand, K.N.Iyengar, R.P.Anand, D.M.Nadkarni, A.K.Mohanty - Phys.Rev.Lett. 58, 1520 (1987) - Anomalous Behavior of the Proton-Induced Fission Cross Sections of ^{235}U and ^{238}U at Extreme Sub-Barrier Energies
NUCLEAR REACTIONS $^{235}, ^{238}\text{U}(\text{p}, \text{f}), E=0.5-4.5$ MeV; measured fission $\sigma(E)$. Enriched ^{235}U , natural Uranium targets, solid state track detectors.
- 87Al29 V.N.Aleksandrov, M.P.Semenova, V.G.Semenov - At.Energ. 62, 411 (1987); Sov.At.Energy 62, 478 (1987) - Production Cross Section of Radionuclides in (p,x) Reactions at Copper and Nickel Nuclei
NUCLEAR REACTIONS Cu(p,X) $^{58}\text{Co}/^{61}\text{Cu}/^{62}\text{Zn}/^{62}\text{Zn}/^{58}\text{Co}/^{57}\text{Co}/^{60}\text{Cu}/^{59}\text{Fe}, \text{Ni}(\text{p}, \text{X}) ^{58}\text{Co}/^{57}\text{Co}/^{57}\text{Ni}/^{56}\text{Co}/^{56}\text{Ni}/^{54}\text{Cr}/^{52}\text{Mn}/^{60}\text{Cu}, E=10-100$ MeV; measured residual production $\sigma(E)$. Activation technique.
- 87Ar13 A.E.Aravantinos, A.C.Xenoulis - Phys.Rev. C35, 1745 (1987) - Reaction Mechanism of pn and d Emission in Certain Heavy-Ion-Induced Nuclear Reactions

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- NUCLEAR REACTIONS $^{12}\text{C}, ^{28}\text{Si}(^{12}\text{C}, \text{np}), (^{12}\text{C}, \text{d}), \text{E}(\text{cm})=13.8-22.1$ MeV; $^6\text{Li}, ^{16}\text{O}, ^{30}\text{Si}(^6\text{Li}, \text{np}), (^6\text{Li}, \text{d}), \text{E}(\text{cm})=7.2-13.3$ MeV; $^{12}\text{C}(^7\text{Li}, \text{d}), (^{12}\text{C}, \text{np}), \text{E}(\text{cm})=7.4, 9.4$ MeV; $^{12}\text{C}, ^{16}\text{O}(^{16}\text{O}, \text{np}), (^{16}\text{O}, \text{d}), \text{F}(\text{cm})=11-16$ MeV; calculated (np), d emission σ , residual production $\sigma(\text{E})$ ratio. Hauser-Feshbach theory.
- 87As03 H.J. Assenbaum, K. Langanke - Phys. Rev. C36, 17 (1987) - Low-Energy $^2\text{H}(\text{d}, \gamma)^4\text{He}$ Reaction and the D-State Admixture in the ^4He Ground State
NUCLEAR REACTIONS $^2\text{H}(\text{d}, \gamma), \text{E}(\text{cm})=0.010-10$ MeV; calculated $\sigma(\text{E}, \gamma)$, capture σ , astrophysical S-factor vs E. ^4He level deduced D-state admixture.
- 87As05 H.J. Assenbaum, K. Langanke, C. Rolfs - Z. Phys. A327, 461 (1987) - Effects of Electron Screening of Low-Energy Fusion Cross Sections
NUCLEAR REACTIONS $^2\text{H}, ^3\text{He}(\text{d}, \text{p}), \text{E} \leq 50$ keV; $^3\text{He}(^3\text{He}, 2\text{p}), ^7\text{Li}, ^{18}\text{O}, ^{11}\text{B}, ^{15}\text{N}(\text{p}, \alpha), \text{E} \leq 250$ keV; calculated reaction σ , astrophysical S(E) factors. Electron screening effects.
- 87Ba51 G.J. Balster, R.H. Siemssen, H.W. Wilschut - Nucl. Phys. A471, 635 (1987) - Systematics of the $^{14}\text{N} + ^{159}\text{Tb}$ Reaction between 6 and 22 MeV/u: The origin of fast α -particles
NUCLEAR REACTIONS $^{159}\text{Tb}(^{14}\text{N}, \alpha), \text{E}=92, 112, 115, 140, 168, 236, 309$ MeV; measured (fragment)(K X-ray) coin; deduced $\sigma(\text{E}), \sigma(\alpha)(2\text{res})$ decomposition.
- 87Ba53 F.C. Barker - Aust. J. Phys. 40, 25 (1987) - The $^{12}\text{C}(\alpha, \gamma)^{16}\text{O}$ Cross Section at Stellar Energies
NUCLEAR REACTIONS $^{12}\text{C}(\alpha, \gamma), \text{E}(\text{cm}) \approx 1.5-3$ MeV; calculated $\sigma(\text{E})$; deduced dipole contribution at stellar energies.
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NUCLEAR REACTIONS $^2\text{H}(\text{d}, \gamma), \text{E}(\text{cm})=50-500$ keV; measured $\sigma(\theta), \sigma(\text{E})$; deduced dominant radiative capture amplitude character, astrophysical S-factor vs E. ^4He deduced D-State admixture.
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NUCLEAR REACTIONS $^{92,94,100}\text{Mo}, ^{100,103,104}\text{Ru}, ^{104,105,106,108}\text{Pd}(^{32}\text{S},X), ^{94,96,98}\text{Mo}, ^{100,101,102,104}\text{Ru}, ^{103}\text{Rh}, ^{104,105,106,108,110}\text{Pd}(^{36}\text{S},X), E(\text{cm}) \approx 76-92$ MeV; $^{92,98,96}\text{Mo}(^{32}\text{S},X), ^{100}\text{Mo}(^{32}\text{S},X), E(\text{cm}) \approx 74-90$ MeV; $^{100}\text{Mo}(^{32}\text{S},X), E(\text{cm}) \approx 72-88$ MeV; $^{101}\text{Ru}(^{32}\text{S},X), E(\text{cm}) \approx 80-92$ MeV; $^{108}\text{Pd}(^{32}\text{S},X), E(\text{cm}) \approx 78-94$ MeV; $^{148}\text{Sm}(^{40}\text{Ar},X), E(\text{cm}) \approx 114-146$ MeV; $^{154}\text{Sm}(^{40}\text{Ar},X), E(\text{cm}) \approx 112-144$ MeV; $^{150,152,154,148}\text{Sm}(^{16}\text{O},X), E(\text{cm}) \approx 52-68$ MeV; $^{144}\text{Sm}(^{40}\text{Ar},X), E(\text{cm}) \approx 120-140$ MeV; $^{27}\text{Al}(^{35}\text{Cl},X), E(\text{cm}) \approx 30-70$ MeV; $^{62}\text{Ni}(^{35}\text{Cl},X), E(\text{cm}) \approx 58-110$ MeV; $^{148}\text{Nd}(^{18}\text{O},X), E(\text{cm}) \approx 54-70$ MeV; $^{148,150}\text{Nd}(^{16}\text{O},X), E(\text{cm}) \approx 56-72$ MeV; $^{150}\text{Nd}(^{16}\text{O},X), E(\text{cm}) \approx 14-26$ MeV; $^{159}\text{Tb}(^7\text{Li},X), ^{44}\text{Ca}(^{18}\text{O},X), E(\text{cm}) \approx 18-30$ MeV; $^{152}\text{Sm}(^{12}\text{C},X), E(\text{cm}) \approx 42-58$ MeV; $^{58}\text{Ni}(^{25}\text{Cl},X), E(\text{cm}) \approx 60-92$ MeV; $^{44}\text{Ca}(^{40}\text{Ca},X), E(\text{cm}) \approx 48-54$ MeV; $^{58}\text{Ni}(^{58}\text{Ni},X), E(\text{cm}) \approx 92-108$ MeV; $^{12}\text{C}(^{12}\text{C},X), E(\text{cm}) \approx 3-5$ MeV; $^{16}\text{O}(^{12}\text{C},X), E(\text{cm}) \approx 5-13$ MeV; $^{20}\text{Ne}(^{12}\text{C},X), E(\text{cm}) \approx 8-15$ MeV; $^{16}\text{O}(^{16}\text{O},X), E(\text{cm}) \approx 7-12$ MeV; calculated fusion $\sigma(E)$.
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NUCLEAR REACTIONS $^{12}\text{C}(p,\gamma)$, $E=220-340$ keV; $^{12}\text{C}(\alpha,\gamma)$, $E=2.65-2.85$ MeV; $^{14}\text{N}(p,\gamma)$, $E=260-360$ keV; $^{20}\text{Ne}(p,\gamma)$, $E=1165-1185$ keV; $^{23}\text{Na}(p,\gamma)$, $E=300-400$ keV; measured γ -ray yields. Implanted targets.
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NUCLEAR REACTIONS $^{28}\text{Si}(^{12}\text{C},X), E(\text{cm})=25-60$ MeV; calculated fusion, orbiting $\sigma(E)$, fragment kinetic energies. Equilibrium model.
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NUCLEAR REACTIONS $^{107}\text{Ag}(\alpha,n), (\alpha,2n), (\alpha,n\alpha), (\alpha,2n\alpha), ^{109}\text{Ag}(\alpha,2n), (\alpha,3n), (\alpha,4n), E \leq 50$ MeV; measured residual production $\sigma(E)$. Activation method, Ge(Li) detector.
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NUCLEAR REACTIONS $^{54}\text{Fe}, ^{112}\text{Sn}, ^{114}\text{Cd}(p,\gamma), E=3-9$ MeV; measured $\sigma(E)$. Ge(Li) detector. Statistical theory.
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NUCLEAR REACTIONS $^{90,92,96}\text{Zr}, ^{94,96,98,100}\text{Mo}(p,n), E \leq 9$ MeV; measured $\sigma(E)$. $^{92}\text{Mo}(p,\gamma), E \leq 9$ MeV; measured isomer production $\sigma(E)$, ratios. Hauser-Feshbach calculations.
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NUCLEAR REACTIONS $^{58,64}\text{Ni}(^{35}\text{Cl},X), (^{37}\text{Cl},X), E \approx 57-70$ MeV; measured fusion $\sigma(E)$. Enriched targets.

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NUCLEAR REACTIONS $^2\text{H}(t,n), E=0-300$ keV; calculated $\sigma(E)$, astrophysical S-factor vs E . $^2\text{H}(t, t), E=0-3$ MeV; $^4\text{He}(n,n), E$ not given; calculated phase shifts. ^4He deduced resonance parameters. Resonating group method.
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NUCLEAR REACTIONS $^3\text{He}(d,p), E(\text{cm})=5.9-41.6$ keV; measured $\sigma(E)$. Atomic gas target.
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NUCLEAR REACTIONS ${}^{16}\text{O}({}^{12}\text{C}, X), E(\text{cm}) \approx 7-27 \text{ MeV}; \text{calculated fusion } \sigma(E).$
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NUCLEAR REACTIONS ${}^{208}\text{Pb}({}^{16}\text{O}, X), E \approx 75-135 \text{ MeV}; \text{calculated fusion } \sigma(E); \text{deduced optical potential parameters. Direct reaction model, fusion, dispersion relation.}$
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NUCLEAR REACTIONS ${}^{12}\text{C}(\alpha,\gamma), E(\text{cm})=1.29-3 \text{ MeV}; \text{measured } \gamma\text{-spectra}, \gamma(\text{recoil})\text{-coin}; \text{deduced } \gamma \text{ yields, dipole capture } \sigma(E), \text{S-factor vs } E.$
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NUCLEAR REACTIONS ${}^{19}\text{F}(\text{polarized p}, \gamma), E=3-10 \text{ MeV}; \text{measured } \gamma \text{ yield}, \sigma(\theta\gamma). {}^{20}\text{Ne} \text{ deduced transition } \gamma \text{ multipolarity, GDR features.}$
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NUCLEAR REACTIONS ${}^{178,180}\text{Hf}, {}^{182,184,186}\text{W}({}^{16}\text{O}, X), E=70-90 \text{ MeV}; \text{measured fusion } \sigma(E). {}^{150,152}, {}^{154}\text{Sm}({}^{16}\text{O}, X), {}^{181}\text{Ta}, {}^{150}\text{Tb}, {}^{139}\text{La}, {}^{169}\text{Tm}({}^{16}\text{F}, X), E \text{ not given; calculated fusion } \sigma(E). {}^{176,180}\text{Hf}, {}^{182}, {}^{184}, {}^{186}\text{W} \text{ deduced hexadecapole deformation nature.}$
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NUCLEAR REACTIONS C,N,O,Mg, ${}^{27}\text{Al}, \text{Si}, \text{Fe}(\text{p}, xnyp\alpha), E=8.9-50 \text{ MeV}; \text{measured } \gamma\text{-production } \sigma(E).$
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NUCLEAR REACTIONS ${}^{12}\text{C}(\alpha, \alpha), {}^{12}\text{C}({}^{12}\text{C}, {}^{12}\text{C}), E(\text{cm}) \approx 5-2000 \text{ MeV/nucleon}; \text{calculated total, reaction } \sigma(E). \text{ Glauber theory.}$
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NUCLEAR REACTIONS ${}^{209}\text{Bi}(t, 2n), E=11.5-17 \text{ MeV}; \text{measured } E_{\gamma}, I_{\gamma}, I(\text{ce}), \gamma\gamma(t), \gamma \text{ production } \sigma. {}^{210}\text{Po} \text{ deduced levels } J, \pi, \gamma\text{-branching, ICC, } \gamma\text{-multipolarity, configurations. Shell model.}$
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NUCLEAR REACTIONS $^{35}\text{Cl}(\alpha, \text{n}), (\alpha, \text{n}\alpha), E=\text{threshold--}26\text{ MeV}$; measured $\sigma(E)$; calculated thick target residual yields. Activation technique.
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NUCLEAR REACTIONS $^{40}\text{Ca}(^{32}\text{S}, 2\text{pn}), E=80\text{--}110\text{ MeV}$; measured $E_{\gamma}, \gamma, \gamma\gamma, \text{n}, \gamma\text{-coin.}$ ^{69}Se deduced levels, $J, \pi, T_{1/2}$. $^{40}\text{Ca}(^{32}\text{S}, \text{n}4\text{p}), E=80\text{--}120\text{ MeV}$; $^{40}\text{Ca}(^{32}\text{S}, \text{n}3\text{p}), E=80\text{--}130\text{ MeV}$; $^{40}\text{Ca}(^{32}\text{S}, \text{n}4\text{p}), E \approx 100\text{--}180\text{ MeV}$; calculated residual production $\sigma(E)$. Natural targets, $\text{Ge}(\text{Li})$, liquid scintillator detectors.
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NUCLEAR REACTIONS $^{55}\text{Mn}(\text{p}, \text{p}'\gamma), (\text{p}, \text{n}\gamma), (\text{p}, \gamma), E=1.3\text{--}2\text{ MeV}$; measured γ yields, $\sigma(E)$. ^{56}Fe deduced resonance, possible J, π .
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NUCLEAR REACTIONS $^{55}\text{Mn}(\text{p}, \text{p}'), (\text{p}, \text{n}\gamma), (\text{p}, \gamma), E=1.3\text{--}2\text{ MeV}$; measured $\sigma(E), \gamma$ yields. ^{56}Fe deduced resonances, J, π .
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NUCLEAR REACTIONS $^{61}\text{Ni}(p,\gamma)$, $(p,p'\gamma)$, $E=1.05-3.98$ MeV; $^{61}\text{Ni}(p,n)$, $E=3.08-4.66$ MeV; measured γ -ray, neutron, activation yields; deduced $\sigma(E)$, thermonuclear reaction rates. Statistical-model analysis. Enriched target.
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NUCLEAR REACTIONS $^{59}\text{Co}(\alpha,p)$, $E=5.18-9.4$ MeV; $^{59}\text{Co}(\alpha,n)$, $E=5.07-9.8$ MeV; measured proton, neutron, activation yields; deduced $\sigma(E)$, thermonuclear reaction rates. Natural targets.
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NUCLEAR REACTIONS $^{120}\text{Sn}, ^{160}\text{Gd}, ^{197}\text{Au}(^{12}\text{C},X)$, $E=5.5-10$ MeV/nucleon; measured complete, incomplete fusion $\sigma(E), \sigma(\theta)$.
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NUCLEAR REACTIONS $^{93}\text{Nb}(\alpha,xn\alpha), (\alpha,xn2p)^{93}\text{Nb}/^{95m}\text{Nb}/^{92}\text{Nb}/^{92m}\text{Nb}/^{91}\text{Nb}/^{91m}\text{Nb}/^{90}\text{Nb}/^{90m}\text{Nb}$, $E \leq 90$ MeV; measured residual production $\sigma(E)$; deduced cumulative $\sigma(\theta)$, thick target yields.
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NUCLEAR REACTIONS $\text{Ag}(\alpha,X)^{104}\text{Ag}/^{104m}\text{Ag}/^{105}\text{Ag}/^{105m}\text{Ag}/^{106}\text{Ag}/^{106m}\text{Ag}/^{108}\text{Ag}/^{108m}\text{Ag}/^{110}\text{Ag}/^{110m}\text{Ag}/^{111}\text{Ag}/^{111m}\text{Ag}$, $E \leq 90$ MeV; measured residual production $\sigma(E)$. Activation technique.
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NUCLEAR REACTIONS $^{19}\text{F}(\text{polarized } p,\gamma)$, $E=3.5-13.3$ MeV; measured $\sigma(\theta)$, analyzing power vs θ , $\sigma(E)$. ^{20}Ne deduced GQR features.
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NUCLEAR REACTIONS $^{15}\text{N}(\text{polarized } p,\gamma)$, $E=6.25-13.75$ MeV; measured $\gamma(\theta)$, analyzing powers, $\sigma(\theta), \sigma(E)$. ^{16}O deduced GQR features.

TARGET INDEX

TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
¹ H	(d,d) (¹¹ B,α)	E≤20 keV E=1.68-13.2 MeV	JOUR Phys.Lett. 202, 289 JOUR Z.Phys. A327, 341	86Be06 87Be17
² H	(d,γ) (d,γ) (d,γ) (d,γ) (d,γ) (d,n) (d,p) (d,p) (d,p) (d,d) (d, ³ He) (t,n) (t,n) (³ He,p)	E(cm)=0.010-10 MeV E=0.075-3 MeV E(cm)=0.010-10 MeV E(cm)=50-500 keV E(cm)=2.98-162.5 keV E≤50 keV E(cm)=2.98-162.5 keV E=20-117 keV E≤20 keV E=20-117 keV E=threshold-0.6 MeV E=0-300 keV E=threshold-0.6 MeV	JOUR Phys.Rev. C36, 21 JOUR Phys.Rev. C36, 875 JOUR Phys.Rev. C36, 17 JOUR Phys.Lett. 197, 315 JOUR Phys.Lett. 200, 246 JOUR Nucl.Phys. A465, 150 JOUR Z.Phys. A327, 461 JOUR Nucl.Phys. A465, 150 JOUR Nucl.Instr.Meth. Phys.Res. B10/11, 405 JOUR Phys.Lett. 202, 289 JOUR Nucl.Instr.Meth. Phys.Res. B10/11, 405 JOUR Yad.Fiz. 47, 1238 JOUR Yad.Fiz. 46, 757 JOUR Yad.Fiz. 47, 1238	87B112 87P108 87As03 87Ba58 88Wa02 87Kr18 87As05 87Kr18 85Ja16 88Be06 85Ja16 88Gu07 87Va36 88Gu07
³ H	(d,n) (d,d) (d,α) (α,γ) (α,γ) (α,γ)	E=1 keV-10 MeV E≤20 keV E=80-116 keV E=low E(cm)=79-464 keV E=0.7-2 MeV E≈50-600 keV	JOUR At.Energ. 63, 252 JOUR Phys.Lett. 202, 289 JOUR Phys.Rev. C35, 1999 JOUR Phys.Lett. 202, 475 JOUR Phys.Lett. 142, 55 JOUR Nucl.Phys. A473, 179 JOUR Z.Phys. A330, 277	87Gu25 88Be06 87Br10 88Ka07 87Sc18 87Bu18 88A124
³ He	(d,p) (d,p) (d,p) (d,p) (³ He,2p) (³ He,2p) (³ He,2p) (³ He,n2p) (³ He,pd) (³ He,3p) (³ He,3pd) (³ He,X) (α,γ) (α,γ)	E≤50 keV E(cm)=6.95-141.8 keV E=0.001-1 MeV E(cm)=5.9-41.6 keV E≤250 keV E(cm)=17.9-342.5 keV E=17.9,21.7,24 MeV E=17.9,21.7,24 MeV E=17.9,21.7,24 MeV E=17.9,21.7,24 MeV E=17.9,21.7,24 MeV E=17.9,21.7,24 MeV E(cm)=195-686 keV E=low	JOUR Z.Phys. A327, 461 JOUR Nucl.Phys. A465, 150 JOUR At.Energ. 63, 252 JOUR Phys.Lett. 202, 179 JOUR Z.Phys. A327, 461 JOUR Nucl.Phys. A467, 273 JOUR Phys.Rev. C35, 383 JOUR Phys.Rev. C35, 383 JOUR Phys.Rev. C35, 383 JOUR Phys.Rev. C35, 383 JOUR Phys.Rev. C35, 383 JOUR Phys.Rev. C35, 383 JOUR Z.Phys. A329, 243 JOUR Phys.Lett. 202, 475	87As05 87Kr18 87Gu25 88En03 87As05 87Kr09 87Br02 87Br02 87Br02 87Br02 87Br02 87Br02 88Hi06 88Ka07
⁴ He	(t,γ)	E(cm)≈0-1.5 MeV	JOUR Phys.Rev. C37, 512	88Ka02
⁶ Li	(⁶ Li,n) (⁶ Li,p) (⁶ Li,np) (⁶ Li,d) (¹¹ B,p) (¹² C,X) (¹⁸ O,n) (¹⁸ O,p) (¹⁸ O,p) (¹⁸ O,d) (¹⁸ O, ³ He) (¹⁸ O,α) (¹⁸ O,nα) (¹⁸ O,pα) (¹⁸ O,2α)	E=2-16 MeV E=2-16 MeV E(cm)=7.2-13.3 MeV E(cm)=7.2-13.3 MeV E=6-32 MeV E=60 MeV E=10-40 MeV E=10-40 MeV E=10-40 MeV E=10-40 MeV E=10-40 MeV E=10-40 MeV E=10-40 MeV E=10-40 MeV E=10-40 MeV	JOUR Nucl.Phys. A467, 149 JOUR Nucl.Phys. A467, 149 JOUR Phys.Rev. C35, 1746 JOUR Phys.Rev. C35, 1746 JOUR Radiochim.Acta 43, 139 JOUR Phys.Rev. C35, 1692 JOUR Radiochim.Acta 42, 1 JOUR Radiochim.Acta 42, 1 JOUR Radiochim.Acta 42, 1 JOUR Radiochim.Acta 42, 1 JOUR Radiochim.Acta 42, 1 JOUR Radiochim.Acta 42, 1 JOUR Radiochim.Acta 42, 1 JOUR Radiochim.Acta 42, 1 JOUR Radiochim.Acta 42, 1	87Do05 87Do05 87Ar13 87Ar13 88Co12 87Pa12 87Di07 87Di07 87Di07 87Di07 87Di07 87Di07 87Di07 87Di07 87Di07
⁷ Li	(p,γ) (p,n) (p,α) (t,n) (t,p) (¹¹ B,d)	E=7-9 MeV E=7-9 MeV E≤250 keV E≈5.7-8.5 MeV E≈5.7-8.5 MeV E=6-32 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199 JOUR Nucl.Instr.Meth. Phys.Res. B28, 199 JOUR Z.Phys. A327, 461 JOUR Yad.Fiz. 46, 499 JOUR Yad.Fiz. 46, 499 JOUR Radiochim.Acta 43, 139	87Ra23 87Ra23 87As05 87Ab15 87Ab15 88Co12

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TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
Li	(α, n)	E $\leq$ 10 MeV	JOUR At.Energ. 62, 232	87Vu02
^7Be	(p, γ)	E $\approx$ 2 MeV	JOUR Phys.Rev. C37, 2920	88Ba29
	(α, γ)	E=0-2 MeV	JOUR Astrophys.J. 324, 953	88Bu01
^8Be	(α, γ)	E(cm)=0.0-4 MeV	JOUR Phys.Rev. C36, 54	87De13
^9Be	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(α, n)	E $\leq$ 10 MeV	JOUR At.Energ. 62, 232	87Vu02
	($^{11}\text{B}, 2n$)	E=6-32 MeV	JOUR Radiochim.Acta 43, 139	88Co12
	($^{11}\text{B}, 2n$)	E=6-32 MeV	JOUR Radiochim.Acta 43, 139	88Co12
^{10}Be	($^3\text{He}, np$)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
	($^3\text{He}, d$)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
B	(α, n)	E $\leq$ 10 MeV	JOUR At.Energ. 62, 232	87Vu02
^{10}B	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(t,2n)	E=3-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 722	87Bo16
	($^{11}\text{B}, p$)	E=6-32 MeV	JOUR Radiochim.Acta 43, 139	88Co12
^{11}B	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E $\leq$ 14.7 MeV	JOUR J.Radioanal.Nucl.Chem. 102, 159	86Ai04
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,p)	E=19.6-25 MeV	JOUR Nuovo Cim. 97, 29	87Ra14
	(p,p')	E=19.6-25 MeV	JOUR Nuovo Cim. 97, 29	87Ra14
	(p, α)	E=140-1100 keV	JOUR Z.Phys. A327, 341	87Be17
	(p, α)	E $\leq$ 250 keV	JOUR Z.Phys. A327, 461	87As05
	(α, p)	E=0.9-1.7 MeV	JOUR Nucl.Phys. A468, 29	87Tu01
	($^{11}\text{B}, d$)	E=6-32 MeV	JOUR Radiochim.Acta 43, 139	88Co12
C	(p,xnpz α)	E=8.9-50 MeV	JOUR Phys.Rev. C37, 1808	88Le08
	(α, n)	E $\leq$ 10 MeV	JOUR At.Energ. 62, 232	87Vu02
^{12}C	(p, γ)	E $\leq$ 14.7 MeV	JOUR J.Radioanal.Nucl.Chem. 102, 159	86Ai04
	(p, γ)	E=40.65,85 MeV	JOUR Phys.Rev. C35, 1214	87La11
	(p, γ)	E=220-340 keV	JOUR Nucl.Instr.Meth. Phys.Res. A260, 33	87Se13
	(d,n)	E $\leq$ 14.7 MeV	JOUR J.Radioanal.Nucl.Chem. 102, 159	86Ai04
	(α, γ)	E=1.29-3.29	JOUR Diss.Abst.Int. 48,1725,Kremer	87Kr2V
	(α, γ)	E(cm) $\approx$ 1.5-3 MeV	JOUR Aust.J.Phys. 40, 25	87Ba53
	(α, γ)	E(cm)=1.29-3 MeV	JOUR Phys.Rev.Lett. 60, 1475	88Kr06
	(α, γ)	E $\approx$ 0.25-3 MeV	JOUR Phys.Rev. C36, 1249	87De32
	(α, γ)	E=0.94-2.84 MeV	JOUR Nucl.Phys. A462, 385	87Re02
	(α, γ)	E=2.65-2.85 MeV	JOUR Nucl.Instr.Meth. Phys.Res. A260, 33	87Se13
	(α, α)	E(cm) $\approx$ 5-2000 MeV/nucl.	JOUR Nucl.Phys. A477, 713	88Ma10
	(α, α)	E=1-66 MeV	JOUR Nucl.Phys. A465, 291	87Pi03
	($^7\text{Li}, d$)	E(cm)=7.4,9.4 MeV	JOUR Phys.Rev. C35, 1746	87Ar13
	($^{12}\text{C}, \gamma$)	E(cm)=4.7-6 MeV	JOUR Z.Phys. A330, 93	88De18
	($^{12}\text{C}, n$)	E(cm)=4.7-6 MeV	JOUR Z.Phys. A330, 93	88De18
	($^{12}\text{C}, p$)	E(cm)=4.7-6 MeV	JOUR Z.Phys. A330, 93	88De18
	($^{12}\text{C}, np$)	E(cm)=7.4,9.4 MeV	JOUR Phys.Rev. C35, 1746	87Ar13
	($^{12}\text{C}, np$)	E(cm)=13.8-22.1 MeV	JOUR Phys.Rev. C35, 1746	87Ar13
	($^{12}\text{C}, d$)	E(cm)=13.8-22.1 MeV	JOUR Phys.Rev. C35, 1746	87Ar13
	($^{12}\text{C}, \alpha$)	E(cm)=4.7-6 MeV	JOUR Z.Phys. A330, 93	88De18
	($^{12}\text{C}, ^{12}\text{C}$)	E(cm) $\approx$ 5-2000 MeV/nucl.	JOUR Nucl.Phys. A477, 713	88Ma10
	($^{12}\text{C}, ^{12}\text{C}$)	E(cm) $\leq$ 8 MeV	JOUR Phys.Rev. C36, 1408	87Pa24
	($^{12}\text{C}, ^{12}\text{C}$)	E(cm)=26.5-30.5 MeV	JOUR Phys.Rev. C37, 1953	88Pa04
	($^{12}\text{C}, X$)	E(cm) $\approx$ 3-5 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	($^{15}\text{N}, ^{15}\text{N}$)	E=51-62 MeV	JOUR Fizika(Zagreb) 19, Supplement 1 13	87Fr11
	($^{15}\text{N}, ^{15}\text{N}'$)	E=51-62 MeV	JOUR Fizika(Zagreb) 19, Supplement 1 13	87Fr11
	($^{16}\text{O}, np$)	E(cm)=11-16 MeV	JOUR Phys.Rev. C35, 1746	87Ar13
	($^{16}\text{O}, d$)	E(cm)=11-16 MeV	JOUR Phys.Rev. C35, 1746	87Ar13
	($^{16}\text{O}, X$)	E=43.3-56.3 MeV	JOUR Nucl.Phys. A464, 415	87Su03

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TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{13}C	(p,n)	E<14.7 MeV	JOUR J.Radioanal.Nucl.Chem. 102, 159	86Ai04
	(p,p)	E=30.95 MeV	JOUR Phys.Rev. C38, 517	88Ba30
	(p, α)	E=30.95 MeV	JOUR Phys.Rev. C38, 517	88Ba30
	(α ,n)	E=low	JOUR Phys.Rev. C36, 2206	87De38
	(α , α)	E=low	JOUR Phys.Rev. C36, 2206	87De38
	(^6Li ,p)	E=28 MeV	JOUR Phys.Rev. C37, 1036	88Sm01
	(^{13}C ,X)	E(cm)=3.26-8 MeV	JOUR Nucl.Phys. A483, 406	88Tr01
	(^{16}O ,np)	E(cm)=11-16 MeV	JOUR Phys.Rev. C35, 1746	87Ar13
	(^{16}O ,d)	E(cm)=11-16 MeV	JOUR Phys.Rev. C35, 1746	87Ar13
^{14}C	(α , γ)	E=1.7-2.7 MeV	JOUR Phys.Rev. C36, 1256	87Ga15
	(α , γ)	E=0-2 MeV	JOUR Astrophys.J. 324, 953	88Bu01
N	(p,xnypz α)	E=8.9-50 MeV	JOUR Phys.Rev. C37, 1808	88Le08
^{13}N	(p, γ)	E=low	JOUR Nucl.Phys. A464, 90	87Fu02
^{14}N	(p, γ)	E=0.5-3.5 MeV	JOUR Z.Phys. A327, 71	87Kr04
	(p, γ)	E=260-360 keV	JOUR Nucl.Instr.Meth. Phys.Res. A260, 33	87Se13
	(p, γ)	E=0.2-3.6 MeV	JOUR Nucl.Phys. A467, 240	87Sc10
	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p, α)	E<14.7 MeV	JOUR J.Radioanal.Nucl.Chem. 102, 159	86Ai04
^{15}N	(p, γ)	E=6.25-13.75 MeV	JOUR Phys.Rev. C37, 2289	88Wi16
	(p, α)	E $\leq$ 250 keV	JOUR Z.Phys. A327, 461	87As05
	(d, γ)	E=16 MeV	JOUR Nucl.Phys. A483, 9	88Co10
O	(p,xnypz α)	E=8.9-50 MeV	JOUR Phys.Rev. C37, 1808	88Le08
^{14}O	(α , γ)	E not given	JOUR Astrophys.J. 316, 162	87Wi11
	(α ,p)	E not given	JOUR Astrophys.J. 316, 162	87Wi11
	(α ,p)	E $\approx$ 0.5-4 MeV	JOUR Nucl.Phys. A480, 188	88Fu02
^{15}O	(α , γ)	E not given	JOUR Astrophys.J. 324, 953	88Bu01
^{16}O	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p, γ)	E=30 MeV	JOUR Nucl.Phys. A483, 9	88Co10
	(p, γ)	E=40,65,85 MeV	JOUR Phys.Rev. C35, 1214	87La11
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p, α)	E<14.7 MeV	JOUR J.Radioanal.Nucl.Chem. 102, 159	86Ai04
	(d,n)	E<14.7 MeV	JOUR J.Radioanal.Nucl.Chem. 102, 159	86Ai04
	(t,n)	E=3-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 722	87Bo16
	(t,n)	E<14.7 MeV	JOUR J.Radioanal.Nucl.Chem. 102, 159	86Ai04
	(α , γ)	E=15-40 MeV	JOUR Phys.Rev. C35, 1961	87Mi07
	(α , γ)	E=0-2 MeV	JOUR Astrophys.J. 324, 953	88Bu01
	(α , γ)	E(cm)=1.7-2.35 MeV	JOUR Phys.Rev. C36, 892	87Ha24
	(α ,X)	E=15-40 MeV	JOUR Phys.Rev. C35, 1961	87Mi07
	(^6Li ,np)	E(cm)=7.2-13.3 MeV	JOUR Phys.Rev. C35, 1746	87Ar13
	(^6Li ,d)	E(cm)=7.2-13.3 MeV	JOUR Phys.Rev. C35, 1746	87Ar13
	(^{12}C , ^{12}C)	E(cm) $\leq$ 12 MeV	JOUR Phys.Rev. C36, 1408	87Pa24
	(^{12}C ,X)	E(cm) $\approx$ 5-13 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(^{12}C ,X)	E(cm) $\approx$ 7-27 MeV	JOUR Nucl.Phys. A481, 94	88Ka13
	(^{18}O ,np)	E(cm)=11-16 MeV	JOUR Phys.Rev. C35, 1746	87Ar13
	(^{18}O ,d)	E(cm)=11-16 MeV	JOUR Phys.Rev. C35, 1746	87Ar13
	(^{18}O , α)	E=12-20 MeV	JOUR Phys.Rev.Lett. 58, 1512	87Ga03
	(^{16}O , ^{12}C)	E=72 MeV	JOUR Nucl.Phys. A481, 577	88Au03
	(^{18}O , ^{15}N)	E=72 MeV	JOUR Nucl.Phys. A481, 577	88Au03
	(^{16}O , ^{16}O)	E(cm) $\leq$ 14 MeV	JOUR Phys.Rev. C36, 1408	87Pa24
	(^{18}O ,X)	E(cm) $\approx$ 12-16 MeV	JOUR Phys.Rev. C36, 1632	87Go30
	(^{16}O ,X)	E(cm) $\approx$ 7-12 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(^{18}O ,X)	E not given	JOUR Phys.Scr. 36, 880	87Sp11
	(^{18}O ,X)	E=72 MeV	JOUR Nucl.Phys. A481, 577	88Au03
	(^{16}O ,X)	E(cm)=8-13.8 MeV	JOUR Phys.Rev. C35, 591	87Ku02
^{17}O	(^{12}C , ^{12}C)	E(cm) $\approx$ 10-20 MeV	JOUR Phys.Rev. C36, 2341	87Mo27

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TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{17}O	$(^{13}\text{C}, ^{13}\text{C}')$	$E \approx 10-20$ MeV	JOUR Phys.Rev. C36, 2341	87Mo27
	$(^{16}\text{O}, X)$	$E(\text{cm}) \approx 6-13$ MeV	JOUR Phys.Rev. C36, 633	87Po11
^{18}O	(p, n)	$E < 14.7$ MeV	JOUR J.Radioanal.Nucl.Chem. 102, 159	86Ai04
	(p, α)	$E \approx 250$ keV	JOUR Z.Phys. A327, 461	87As05
	(α, γ)	E not given	JOUR Astrophys.J. 324, 953	88Bu01
	$(^{12}\text{C}, ^{12}\text{C}')$	$E(\text{cm}) \approx 22-32$ MeV	JOUR Phys.Rev. C36, 2341	87Mo27
	$(^{16}\text{O}, X)$	$E(\text{cm}) \approx 6-13$ MeV	JOUR Phys.Rev. C36, 633	87Po11
^{17}F	(p, γ)	$E(\text{cm}) \approx 0.7$ MeV	JOUR Astrophys.J. 326, 384	88Wi08
^{18}F	(p, γ)	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p, γ)	$E = 3-10$ MeV	JOUR Phys.Rev. C37, 2281	88Ku08
	(p, γ)	$E = 3.5-13.3$ MeV	JOUR Phys.Rev. C37, 2301	88Wa13
	(p, n)	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(α, n)	$E \approx 10$ MeV	JOUR At.Energ. 62, 232	87Vu02
^{20}Ne	(p, γ)	$E = 1165-1185$ keV	JOUR Nucl.Instr.Meth. Phys.Res. A260, 33	87Se13
	$(^{12}\text{C}, X)$	$E(\text{cm}) \approx 8-15$ MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	$(^{20}\text{Ne}, X)$	$E(\text{cm}) = 15-55$ MeV	JOUR Phys.Rev. C35, 1605	87K112
^{23}Na	(p, γ)	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p, γ)	$E = 300-400$ keV	JOUR Nucl.Instr.Meth. Phys.Res. A260, 33	87Se13
	(p, n)	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(α, n)	$E = 3.9-5.9$ MeV	JOUR Nucl.Phys. A467, 511	87Do06
	$(^{23}\text{Na}, X)$	$E = 80-177$ MeV	JOUR Z.Phys. A329, 103	88B101
Mg	(p, n)	$E = 6$ MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13
	(p, p)	$E = 6$ MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13
	$(p, xnypz\alpha)$	$E = 8.9-50$ MeV	JOUR Phys.Rev. C37, 1808	88Le08
^{24}Mg	(p, γ)	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p, n)	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(d, α)	$E = 14$ MeV	JOUR J.Radioanal.Nucl.Chem. 127, 31	88De20
	$(^{11}\text{B}, n\alpha)$	$E = 6-32$ MeV	JOUR Radiochim.Acta 43, 139	88Co12
	$(^{16}\text{O}, X)$	$E(\text{cm}) = 15-55$ MeV	JOUR Phys.Rev. C35, 1605	87K112
	$(^{32}\text{S}, X)$	$E = 141.8$ MeV	JOUR Phys.Rev.Lett. 59, 2856	87Sa52
^{25}Mg	(p, γ)	$E \approx$ resonance	JOUR Nucl.Phys. A467, 261	87En02
	(t, p)	$E = 3-12$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 722	87Bo16
	$(^{11}\text{B}, 2n\alpha)$	$E = 6-32$ MeV	JOUR Radiochim.Acta 43, 139	88Co12
^{26}Mg	(p, γ)	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p, n)	$E = 5.3-7$ MeV	JOUR Nucl.Phys. A467, 511	87Do06
	(p, n)	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p, p')	$E = 5.3-6.1$ MeV	JOUR Nucl.Phys. A467, 511	87Do06
	(p, α)	$E = 5.3-6.1$ MeV	JOUR Nucl.Phys. A467, 511	87Do06
	(t, p)	$E = 3-12$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 722	87Bo16
	$(^{11}\text{B}, 3n\alpha)$	$E = 6-32$ MeV	JOUR Radiochim.Acta 43, 139	88Co12
^{26}Al	(p, γ)	$E = 0.05-0.15$ MeV	JOUR Astrophys.J. 320, 405	87Ra26
^{27}Al	(p, γ)	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p, γ)	$E = 200-360$ keV	JOUR Nucl.Phys. A477, 105	88Ti01
	(p, n)	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$(p, n3p)$	$E = 13.3-67.5$ MeV	JOUR Appl.Radiat.Isot. 39, 41	88La01
	$(p, 2n3p)$	$E = 13.3-67.5$ MeV	JOUR Appl.Radiat.Isot. 39, 41	88La01
	$(p, 2n2\alpha)$	$E = 13.3-67.5$ MeV	JOUR Appl.Radiat.Isot. 39, 41	88La01
	$(p, xnypz\alpha)$	$E = 8.9-50$ MeV	JOUR Phys.Rev. C37, 1808	88Le08
	(t, p)	$E = 3-12$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 722	87Bo16
	$(^3\text{He}, p)$	$E = 2-20$ MeV	JOUR Rep.Prog.Phys. 50, 1171	87Ho22
	$(^7\text{Li}, ^7\text{Be})$	$E = 78$ MeV	JOUR Yad.Fiz. 45, 1236	87G105
	$(^{32}\text{S}, X)$	$E = 67-393$ MeV	JOUR Phys.Rev. C37, 2233	88Do07
	$(^{35}\text{Cl}, X)$	$E(\text{cm}) \approx 30-70$ MeV	JOUR Nuovo Cim. 98, 571	87Sc33
Si	(p, n)	$E = 6$ MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13

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TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
Si	(p,p) (p,xnypza)	E=6 MeV E=8.9-50 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160 JOUR Phys.Rev. C37, 1808	86Za13 88Le08
²⁸ Si	(p,γ) (p,n) (p,p) (t,n) (⁷ Li, ⁷ Be) (¹¹ B,nα) (¹² C,np) (¹² C,d) (¹² C,X) (¹² C,X) (²⁸ Si,X) (³² S, ³² S) (³² S, ³⁶ Ar)	E=7-9 MeV E=7-9 MeV E≤40 MeV E=3-12 MeV E=78 MeV E=6-32 MeV E(cm)=13.8-22.1 MeV E(cm)=13.8-22.1 MeV E(cm)=15-55 MeV E(cm)=25-60 MeV E not given E=42-48.1 MeV E=42-48.1 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199 JOUR Nucl.Instr.Meth. Phys.Res. B28, 199 JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 51, 24 JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 722 JOUR Yad.Fiz. 45, 1236 JOUR Radiochim.Acta 43, 139 JOUR Phys.Rev. C35, 1746 JOUR Phys.Rev. C35, 1746 JOUR Phys.Rev. C35, 1605 JOUR Phys.Rev. C35, 1730 JOUR Phys.Scr. 36, 880 JOUR Nucl.Phys. A463, 731 JOUR Nucl.Phys. A463, 731	87Ra23 87Ra23 87Ro07 87Bo16 87G105 88Co12 87Ar13 87Ar13 87Ki12 87Sh06 87Sp11 87Bi03 87Bi03
²⁹ Si	(p,γ) (p,n) (¹¹ B,2nα)	E=7-9 MeV E=7-9 MeV E=6-32 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199 JOUR Nucl.Instr.Meth. Phys.Res. B28, 199 JOUR Radiochim.Acta 43, 139	87Ra23 87Ra23 88Co12
³⁰ Si	(p,γ) (p,n) (⁶ Li,np) (⁶ Li,d) (¹¹ B,3nα)	E=7-9 MeV E=7-9 MeV E(cm)=7.2-13.3 MeV E(cm)=7.2-13.3 MeV E=6-32 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199 JOUR Nucl.Instr.Meth. Phys.Res. B28, 199 JOUR Phys.Rev. C35, 1746 JOUR Phys.Rev. C35, 1746 JOUR Radiochim.Acta 43, 139	87Ra23 87Ra23 87Ar13 87Ar13 88Co12
³¹ P	(p,γ) (p,n)	E=7-9 MeV E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199 JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23 87Ra23
S	(p,n) (p,p)	E=6 MeV E=6 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160 JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13 86Za13
³² S	(p,γ) (p,n) (p,p) (t,n)	E=7-9 MeV E=7-9 MeV E≤40 MeV E=3-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199 JOUR Nucl.Instr.Meth. Phys.Res. B28, 199 JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 51, 24 JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 722	87Ra23 87Ra23 87Ro07 87Bo16
³⁵ Cl	(p,γ) (p,n) (α,n) (α,n) (α,nα)	E=7-9 MeV E=7-9 MeV E=15-30 MeV E=threshold-26 MeV E=threshold-26 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199 JOUR Nucl.Instr.Meth. Phys.Res. B28, 199 JOUR Appl.Radiat.Isot. 39, 97 JOUR Appl.Radiat.Isot. 39, 479 JOUR Appl.Radiat.Isot. 39, 479	87Ra23 87Ra23 88Gu01 88Qa01 88Qa01
³⁶ Ar	(p,γ) (p,p')	E=0.9-3.3 MeV E=2.6-3.3 MeV	JOUR Nucl.Phys. A476, 316 JOUR Nucl.Phys. A476, 316	88De03 88De03
³⁹ K	(p,γ) (p,n) (α,p)	E=7-9 MeV E=7-9 MeV E=4.5-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199 JOUR Nucl.Instr.Meth. Phys.Res. B28, 199 JOUR Nucl.Phys. A475, 548	87Ra23 87Ra23 87Sc27
⁴⁰ Ca	(p,γ) (p,γ) (p,n) (p,p') (α,X) (¹⁹ F,X) (³² S,n3p) (³² S,n4p) (³² S,n4p) (⁴⁰ Ca,X) (⁴⁰ Ca,X) (⁴⁰ Ca,X) (⁴⁰ Ca,X) (⁴⁰ Ca,X) (⁴⁰ Ca,X)	E=640-3500 keV E=7-9 MeV E=7-9 MeV E≈10-40 MeV E=5-20 MeV E≈25-100 MeV E=80-130 MeV E=80-120 MeV E≈100-180 MeV E not given E not given E(cm)≈62-250 MeV E(cm)≈50-65 MeV E=45-65 MeV	JOUR Nucl.Phys. A466, 280 JOUR Nucl.Instr.Meth. Phys.Res. B28, 199 JOUR Nucl.Instr.Meth. Phys.Res. B28, 199 JOUR Phys.Rev. C37, 906 JOUR Phys.Rev. C36, 966 JOUR Phys.Rev. C37, 2233 JOUR Phys.Rev. C37, 645 JOUR Phys.Rev. C37, 645 JOUR Phys.Rev. C37, 645 JOUR Phys.Scr. 36, 880 JOUR Phys.Lett. 197, 507 JOUR Phys.Rev. C36, 1632 JOUR Nucl.Phys. A472, 571 JOUR Z.Phys. A326, 201	87Zi02 87Ra23 87Ra23 88Bo07 87Oh08 88Do07 88Ra06 88Ra06 88Ra06 87Sp11 87Sp08 87Go30 87Ag05 87Iw02

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TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
⁴⁴ Ca	(¹⁸ O,X)	E(cm)≈18-30 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(⁴⁰ Ca,X)	E(cm)≈48-54 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
Ti	(p,n)	E=6 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13
	(p,p)	E=6 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13
	(p,X)	E=40-600 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B29, 275	87F111
⁴⁶ Ti	(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁴⁷ Ti	(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁴⁸ Ti	(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(²³ Na,X)	E=48-72.5 MeV	JOUR Phys.Rev. C36, 1351	87Bu16
⁵¹ V	(α,n)	E=10-120 MeV	JOUR J.Phys.(London) G13, 535	87Ra05
	(α,3n)	E=10-120 MeV	JOUR J.Phys.(London) G13, 535	87Ra05
Cr	(p,n)	E=6 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13
	(p,p)	E=6 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13
	(p,X)	E=6-27 MeV	JOUR Phys.Rev. C35, 2067	87We05
⁵² Cr	(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=6-27 MeV	JOUR Phys.Rev. C35, 2067	87We05
	(d,2n)	E=8-20 MeV	JOUR Phys.Rev. C35, 2067	87We05
	(d,2n)	E=8-20 MeV	JOUR Phys.Rev. C35, 2077	87Mu08
⁵⁵ Mn	(p,γ)	E=1.3-2 MeV	JOUR Czech.J.Phys. B38, 150	88St03
	(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,γ)	E=1.3-2 MeV	JOUR Czech.J.Phys. B38, 741	88S114
	(p,n)	E=1.3-2 MeV	JOUR Czech.J.Phys. B38, 150	88S103
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=1.3-2 MeV	JOUR Czech.J.Phys. B38, 741	88S114
	(p,p')	E=1.3-2 MeV	JOUR Czech.J.Phys. B38, 741	88S114
	(p,p')	E=1.3-2 MeV	JOUR Czech.J.Phys. B38, 150	88St03
	(p,p')	E=1.3-2 MeV	JOUR Czech.J.Phys. B38, 150	88St03
Fe	(p,n)	E=6 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13
	(p,p)	E=6 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13
	(p,xnpzα)	E=8.9-50 MeV	JOUR Phys.Rev. C37, 1808	88Le08
	(p,X)	E=40-600 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B29, 275	87F111
	(α,xnp)	E≈4-90 MeV	JOUR J.Radioanal.Nucl.Chem. 120, 49	88De07
⁵⁴ Fe	(p,γ)	E=3-9 MeV	JOUR Yad.Fiz. 45, 614	87Sk03
	(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁵⁶ Fe	(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(⁵⁶ Fe,X)	E not given	JOUR Phys.Scr. 36, 880	87Sp11
⁵⁸ Co	(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,np)	E≈12.5-50 MeV	JOUR At.Energ. 62, 59	87Ba61
	(p,2np)	E≈25-50 MeV	JOUR At.Energ. 62, 59	87Ba61
	(α,n)	E=5.07-9.8 MeV	JOUR Nucl.Phys. A483, 354	88Ti05
	(α,p)	E=5.18-9.4 MeV	JOUR Nucl.Phys. A483, 354	88Ti05
	(α,n2p)	E=60 MeV	JOUR Pramana 30, 193	88Is01
	(α,n2p)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
	(α,n3p)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
	(α,nα)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
	(α,3n2p)	E=60 MeV	JOUR Pramana 30, 193	88Is01
	(α,5np)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
	(α,2nα)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
	(α,2nα)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08

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TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
⁵⁹ Co	($\alpha, 4n2p$)	E=60 MeV	JOUR Pramana 30, 193	88Is01
	($\alpha, 6np$)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
	($\alpha, 3na$)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
	($\alpha, 5n2p$)	E=60 MeV	JOUR Pramana 30, 193	88Is01
	($\alpha, n2\alpha$)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
	($\alpha, 5n4p$)	E=60 MeV	JOUR Pramana 30, 193	88Is01
	($\alpha, 3n2\alpha$)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
	($\alpha, 3np2\alpha$)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
Ni	(p,n)	E=6 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13
	(p,p)	E=6 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13
	(p,X)	E=40-600 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B29, 275	87Fi11
	(p,X)	E=10-100 MeV	JOUR At.Energ. 62, 411	87A129
	(α, nyp)	E=25-60 MeV	JOUR Nucl.Instr.Meth. Phys.Res. A263, 421	88Ch01
⁵⁶ Ni	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(α, p)	E=4-30 MeV	JOUR Rep.Prog.Phys. 50, 1171	87Ho22
	(⁷ Li, ⁷ Be)	E=78 MeV	JOUR Yad.Fiz. 45, 1236	87G105
	(²⁸ Si, ²⁷ Al)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
	(²⁸ Si, ²⁹ Si)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
	(²⁸ Si,X)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
	(³⁰ Si,X)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
	(³² S, ³² S)	E=94-112 MeV	JOUR Phys.Lett. 185, 15	87St06
	(³² S, ³² S')	E=94-112 MeV	JOUR Phys.Lett. 185, 15	87St06
	(³⁵ Cl,X)	E(cm)≈60-92 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(³⁵ Cl,X)	E≈57-70 MeV	JOUR Z.Phys. A328, 355	87Sk07
	(³⁶ S, ³⁶ S)	E=94-112 MeV	JOUR Phys.Lett. 185, 15	87St06
	(³⁶ S, ³⁶ S')	E=94-112 MeV	JOUR Phys.Lett. 185, 15	87St06
	(³⁷ Cl,X)	E≈57-70 MeV	JOUR Z.Phys. A328, 355	87Sk07
	(⁵⁸ Ni,X)	E(cm)≈92-108 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(⁵⁸ Ni,X)	E(cm)≈92-110 MeV	JOUR Nucl.Phys. A472, 571	87Ag05
	(⁵⁸ Ni,X)	E=90-110 MeV	JOUR Z.Phys. A326, 201	87Iw02
	(⁵⁸ Ni,X)	E=186-220 MeV	JOUR Phys.Lett. 206, 9	88Sc08
	(⁶⁴ Ni,X)	E=186-242 MeV	JOUR Phys.Lett. 206, 9	88Sc08
⁶⁰ Ni	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(⁷ Li, ⁷ Be)	E=78 MeV	JOUR Yad.Fiz. 45, 1236	87G105
⁶¹ Ni	(p, γ)	E=1.05-3.98 MeV	JOUR Nucl.Phys. A480, 162	88Ti03
	(p,n)	E=3.08-4.66 MeV	JOUR Nucl.Phys. A480, 162	88Ti03
	(p,p')	E=1.05-3.98 MeV	JOUR Nucl.Phys. A480, 162	88Ti03
⁶² Ni	(⁷ Li, ⁷ Be)	E=78 MeV	JOUR Yad.Fiz. 45, 1236	87G105
	(²⁸ Si, ²⁷ Al)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
	(²⁸ Si, ²⁹ Si)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
	(²⁸ Si,X)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
	(³⁰ Si,X)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
	(³⁵ Cl,X)	E(cm)≈58-110 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
⁶⁴ Ni	(p,n)	E=0.4-5.5 MeV	JOUR Rep.Prog.Phys. 50, 1171	87Ho22
	(⁷ Li, ⁷ Be)	E=78 MeV	JOUR Yad.Fiz. 45, 1236	87G105
	(²⁸ Si, ²⁷ Al)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
	(²⁸ Si, ²⁹ Si)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
	(²⁸ Si,X)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
	(³⁰ Si,X)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
	(³² S, ³² S)	E=94-112 MeV	JOUR Phys.Lett. 185, 15	87St06
	(³² S, ³² S')	E=94-112 MeV	JOUR Phys.Lett. 185, 15	87St06
	(³⁵ Cl,X)	E≈57-70 MeV	JOUR Z.Phys. A328, 355	87Sk07
	(³⁶ S, ³⁶ S)	E=94-112 MeV	JOUR Phys.Lett. 185, 15	87St06
	(³⁶ S, ³⁶ S')	E=94-112 MeV	JOUR Phys.Lett. 185, 15	87St06
	(³⁷ Cl,X)	E≈57-70 MeV	JOUR Z.Phys. A328, 355	87Sk07
	(⁶⁴ Ni,X)	E=85-110 MeV	JOUR Z.Phys. A326, 201	87Iw02
	(⁶⁴ Ni,X)	E(cm)≈90-105 MeV	JOUR Nucl.Phys. A472, 571	87Ag05

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TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
Cu	(p,X)	E=10-100 MeV	JOUR At.Energ. 62, 411	87A129
	(α ,X)	E=40 MeV	JOUR Appl.Radiat.Isot. 38, 499	87Zw01
⁶³ Cu	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(α ,xnyp)	E=40 MeV	JOUR J.Phys.Soc.Jpn. 56, 3135	87Ri09
⁶⁵ Cu	(α ,xnyp)	E=40 MeV	JOUR J.Phys.Soc.Jpn. 56, 3135	87Ri09
Zn	(p,n)	E=6 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13
	(p,p)	E=6 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13
⁶² Zn	(p,t)	E=35,52 MeV	JOUR Phys.Rev. C37, 556	88Ca04
⁶⁴ Zn	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p, γ)	E=1.1-2.1 MeV	JOUR Nucl.Phys. A463, 605	87Vi01
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,t)	E=35,52 MeV	JOUR Phys.Rev. C37, 556	88Ca04
	(t,p)	E=12 MeV	JOUR Phys.Rev. C37, 556	88Ca04
⁶⁶ Zn	(p,t)	E=35,52 MeV	JOUR Phys.Rev. C37, 556	88Ca04
	(t,p)	E=12 MeV	JOUR Phys.Rev. C37, 556	88Ca04
⁶⁸ Zn	(p,n)	E=0.4-5.5 MeV	JOUR Rep.Prog.Phys. 50, 1171	87Ho22
	(p,t)	E=35,52 MeV	JOUR Phys.Rev. C37, 556	88Ca04
	(t,p)	E=12 MeV	JOUR Phys.Rev. C37, 556	88Ca04
⁷⁰ Zn	(t,p)	E=12 MeV	JOUR Phys.Rev. C37, 556	88Ca04
⁶⁹ Ga	(³ He,n)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
	(³ He,2n)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
	(³ He, α)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
	(³ He,n α)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
⁷¹ Ga	(t,p)	E=3-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 722	87Bo16
	(³ He,2n)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
	(³ He,2p)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
Ge	(³ He,xn)	E=13-24 MeV	JOUR Phys.Rev. C38, 645	88Qa02
⁷⁰ Ge	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(α ,n)	E=threshold-24 MeV	JOUR Rev.Roum.Phys. 32, 725	87Ca33
	(α ,n)	E=13-27 MeV	JOUR Phys.Rev. C38, 645	88Qa02
	(α ,2n)	E=threshold-24 MeV	JOUR Rev.Roum.Phys. 32, 725	87Ca33
⁷² Ge	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁷⁴ Ge	(⁷⁴ Ge,X)	E(cm) $\approx$ 110-150 MeV	JOUR Nucl.Phys. A472, 571	87Ag05
	(⁷⁴ Ge,X)	E=105-135 MeV	JOUR Z.Phys. A326, 201	87Iw02
⁷⁵ As	(p,3n)	E=25-55 MeV	JOUR Phys.Rev. C38, 645	88Qa02
	(d,4n)	E=25-55 MeV	JOUR Phys.Rev. C38, 645	88Qa02
	(t,d)	E=3-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 722	87Bo16
	(³ He,n)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
	(³ He,2n)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
⁷⁷ Se	(p,n)	E $\approx$ 2.8-3.5 MeV	JOUR Yad.Fiz. 48, 12	88Fe07
⁸⁰ Se	(⁸⁰ Se,X)	E=125-150 MeV	JOUR Z.Phys. A326, 201	87Iw02
	(⁸⁰ Se,X)	E(cm) $\approx$ 130-150 MeV	JOUR Nucl.Phys. A472, 571	87Ag05
⁷⁸ Br	(α ,2n)	E $\approx$ threshold-40 MeV	JOUR Radiochim.Acta 41, 111	87Qa02
⁸¹ Br	(³ He,3n)	E $\approx$ threshold-40 MeV	JOUR Radiochim.Acta 41, 111	87Qa02

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TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
Kr	(³ He,xn)	E≈10-35 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
	(³ He,xn)	E=10-33 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
	(³ He,xnp)	E=10-33 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
	(α,xn)	E=10-25 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
	(α,xnp)	E=10-25 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
⁷⁸ Kr	(d,nα)	E=21.5 MeV	JOUR Appl.Radiat.Isot. 39, 709	88De24
⁸² Kr	(p,2n)	E≈ threshold-40 MeV	JOUR Radiochim.Acta 41, 111	87Qa02
⁸⁵ Rb	(p,4np)	E≈50-70 MeV	JOUR Radiochim.Acta 41, 111	87Qa02
	(α,n)	E=12.8 MeV	JOUR J.Radioanal.Nucl.Chem. 119, 433	87Sh30
	(α,2n)	E=20-60 MeV	JOUR J.Radioanal.Nucl.Chem. 119, 303	87Sa49
	(α,3n)	E=20-60 MeV	JOUR J.Radioanal.Nucl.Chem. 119, 303	87Sa49
	(α,nα)	E=20-60 MeV	JOUR J.Radioanal.Nucl.Chem. 119, 303	87Sa49
⁸⁷ Rb	(³ He,2n)	E=19.3 MeV	JOUR J.Radioanal.Nucl.Chem. 119, 433	87Sh30
⁸⁷ Sr	(d,n)	E=7.3 MeV	JOUR J.Radioanal.Nucl.Chem. 119, 433	87Sh30
⁸⁸ Sr	(p,n)	E=16 MeV	JOUR J.Radioanal.Nucl.Chem. 119, 433	87Sh30
⁸⁹ Y	(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=4.59-39.56 MeV	JOUR Phys.Rev. C38, 1624	88Mu18
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,2n)	E=4.59-39.56 MeV	JOUR Phys.Rev. C38, 1624	88Mu18
	(p,np)	E=4.59-39.56 MeV	JOUR Phys.Rev. C38, 1624	88Mu18
	(d,2n)	E<13.5 MeV	JOUR J.Radioanal.Nucl.Chem. 127, 7	88De19
Zr	(p,X)	E=6.1-22.4 MeV	JOUR At.Energ. 60, 332	86Ko33
	(p,X)	E=11,13,21-22.6 MeV	JOUR At.Energ. 60, 332	86Ko33
	(d,X)	E=12,20-45.2 MeV	JOUR At.Energ. 60, 332	86Ko33
	(d,X)	E=6.2-22.6 MeV	JOUR At.Energ. 60, 332	86Ko33
	(α,X)	E=11,18,26,41-46 MeV	JOUR At.Energ. 60, 332	86Ko33
	(α,X)	E=12.6-45.2 MeV	JOUR At.Energ. 60, 332	86Ko33
⁹⁰ Zr	(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,γ)	E=1.9-5.7 MeV	JOUR Phys.Rev. C35, 1265	87La12
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=9 MeV	JOUR Yad.Fiz. 46, 28	87Sk06
	(p,p)	E=2-7 MeV	JOUR Phys.Rev. C35, 1265	87La12
	(p,p')	E=3.9-5.7 MeV	JOUR Phys.Rev. C35, 1265	87La12
	(⁷ Li, ⁷ Be)	E=78 MeV	JOUR Yad.Fiz. 45, 1236	87G105
	(⁹⁰ Zr,X)	E(cm)≈172-195 MeV	JOUR Nucl.Phys. A472, 571	87Ag05
	(⁹⁰ Zr,X)	E=170-195 MeV	JOUR Z.Phys. A326, 201	87Iw02
⁹¹ Zr	(p,n)	E≈12-40 MeV	JOUR Phys.Rev. C38, 1601	88An11
⁹² Zr	(p,n)	E≤9 MeV	JOUR Yad.Fiz. 46, 28	87Sk06
	(⁷ Li, ⁷ Be)	E=78 MeV	JOUR Yad.Fiz. 45, 1236	87G105
⁹⁴ Zr	(⁷ Li,3n)	E=23-31 MeV	JOUR Phys.Rev. C36, 2330	87B121
	(⁷ Li, ⁷ Be)	E=78 MeV	JOUR Yad.Fiz. 45, 1236	87G105
⁹⁶ Zr	(p,n)	E≤9 MeV	JOUR Yad.Fiz. 46, 28	87Sk06
Nb	(p,X)	E=11,13,21-22.6 MeV	JOUR At.Energ. 60, 332	86Ko33
	(p,X)	E=6.1-22.4 MeV	JOUR At.Energ. 60, 332	86Ko33
	(d,X)	E=6.2-22.6 MeV	JOUR At.Energ. 60, 332	86Ko33
	(d,X)	E=12,20-45.2 MeV	JOUR At.Energ. 60, 332	86Ko33
	(α,X)	E=11,18,26,41-46 MeV	JOUR At.Energ. 60, 332	86Ko33
	(α,X)	E=12.6-45.2 MeV	JOUR At.Energ. 60, 332	86Ko33
⁹³ Nb	(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(α,n)	E=10-120 MeV	JOUR J.Phys.(London) G13, 535	87Ra05

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TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
⁹³ Nb	($\alpha, 2n$)	E=10-120 MeV	JOUR J.Phys.(London) G13, 535	87Ra05
	($\alpha, xn2p$)	E $\leq$ 90 MeV	JOUR J.Radioanal.Nucl.Chem. 121, 203	88Va14
	($\alpha, xn\alpha$)	E $\leq$ 90 MeV	JOUR J.Radioanal.Nucl.Chem. 121, 203	88Va14
Mo	(p,n)	E=6 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13
	(p,p)	E=6 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13
⁹² Mo	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p, γ)	E $\leq$ 9 MeV	JOUR Yad.Fiz. 46, 28	87Sk06
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(³² S,X)	E(cm) $\approx$ 76-92 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(³² S,X)	E(cm) $\approx$ 74-90 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
⁹⁴ Mo	(p,n)	E $\leq$ 9 MeV	JOUR Yad.Fiz. 46, 28	87Sk06
	(³² S,X)	E(cm) $\approx$ 76-92 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(³⁶ S,X)	E(cm) $\approx$ 76-92 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
⁹⁵ Mo	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E $\leq$ 9 MeV	JOUR Yad.Fiz. 46, 28	87Sk06
⁹⁶ Mo	(p,n)	E $\leq$ 9 MeV	JOUR Yad.Fiz. 46, 28	87Sk06
	(³² S,X)	E(cm) $\approx$ 74-90 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(³⁶ S,X)	E(cm) $\approx$ 76-92 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
⁹⁸ Mo	(³² S,X)	E(cm) $\approx$ 74-90 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(³⁶ S,X)	E(cm) $\approx$ 76-92 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
¹⁰⁰ Mo	(p,n)	E $\leq$ 9 MeV	JOUR Yad.Fiz. 46, 28	87Sk06
	(³² S,X)	E(cm) $\approx$ 76-92 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(³² S,X)	E(cm) $\approx$ 72-88 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(³⁶ S,X)	E(cm) $\approx$ 74-90 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
Ru	(p,n)	E=6 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13
	(p,p)	E=6 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13
⁹⁶ Ru	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
¹⁰⁰ Ru	(³² S,X)	E(cm) $\approx$ 76-92 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(³⁶ S,X)	E(cm) $\approx$ 76-92 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
¹⁰¹ Ru	(³² S,X)	E(cm) $\approx$ 80-92 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(³⁶ S,X)	E(cm) $\approx$ 76-92 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
¹⁰² Ru	(³⁶ S,X)	E(cm) $\approx$ 76-92 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
¹⁰³ Ru	(³² S,X)	E(cm) $\approx$ 76-92 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
¹⁰⁴ Ru	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(³² S,X)	E(cm) $\approx$ 76-92 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(³⁶ S,X)	E(cm) $\approx$ 76-92 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
¹⁰³ Rh	(p,X)	E=23.3-67.1 MeV	JOUR Appl.Radiat.Isot. 38, 151	87La09
	(³⁶ S,X)	E(cm) $\approx$ 76-92 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
Pd	(p,n)	E=6 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13
	(p,p)	E=6 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 160	86Za13
	($\alpha, xnyp$)	E=25-60 MeV	JOUR Nucl.Instr.Meth. Phys.Res. A263, 421	88Ch01
¹⁰⁴ Pd	(p,n)	E=5-9 MeV	JOUR Yad.Fiz. 47, 609	88Ba18
	(³² S,X)	E(cm) $\approx$ 76-92 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(³⁶ S,X)	E(cm) $\approx$ 76-92 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
¹⁰⁵ Pd	(p,n)	E=5-9 MeV	JOUR Yad.Fiz. 47, 609	88Ba18

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TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{105}Pd	$(^{32}\text{S},\text{X})$	$E(\text{cm}) \approx 76-92 \text{ MeV}$	JOUR Nuovo Cim. 98, 571	87Sc33
	$(^{36}\text{S},\text{X})$	$E(\text{cm}) \approx 76-92 \text{ MeV}$	JOUR Nuovo Cim. 98, 571	87Sc33
^{106}Pd	(p,n)	$E=5-9 \text{ MeV}$	JOUR Yad.Fiz. 47, 609	88Ba18
	$(^{32}\text{S},\text{X})$	$E(\text{cm}) \approx 76-92 \text{ MeV}$	JOUR Nuovo Cim. 98, 571	87Sc33
	$(^{36}\text{S},\text{X})$	$E(\text{cm}) \approx 76-92 \text{ MeV}$	JOUR Nuovo Cim. 98, 571	87Sc33
^{108}Pd	(p,n)	$E=5-9 \text{ MeV}$	JOUR Yad.Fiz. 47, 609	88Ba18
	$(^{32}\text{S},\text{X})$	$E(\text{cm}) \approx 78-94 \text{ MeV}$	JOUR Nuovo Cim. 98, 571	87Sc33
	$(^{32}\text{S},\text{X})$	$E(\text{cm}) \approx 76-92 \text{ MeV}$	JOUR Nuovo Cim. 98, 571	87Sc33
	$(^{36}\text{S},\text{X})$	$E(\text{cm}) \approx 76-92 \text{ MeV}$	JOUR Nuovo Cim. 98, 571	87Sc33
^{110}Pd	(p,n)	$E=5-9 \text{ MeV}$	JOUR Yad.Fiz. 47, 609	88Ba18
	$(^{36}\text{S},\text{X})$	$E(\text{cm}) \approx 76-92 \text{ MeV}$	JOUR Nuovo Cim. 98, 571	87Sc33
Ag	(α,X)	$E \leq 90 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 121, 115	88Wa11
^{107}Ag	(p,γ)	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(α,n)	$E \leq 50 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 480	87Si11
	$(\alpha,2\text{n})$	$E \leq 50 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 480	87Si11
	$(\alpha,\text{n}\alpha)$	$E \leq 50 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 480	87Si11
	$(\alpha,2\text{n}\alpha)$	$E \leq 50 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 480	87Si11
	$(\alpha,4\text{n}2\text{p})$	$E=60 \text{ MeV}$	JOUR Pramana 30, 193	88Is01
	$(^7\text{Li},^7\text{Be})$	$E=78 \text{ MeV}$	JOUR Yad.Fiz. 45, 1236	87G105
^{109}Ag	(p,γ)	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	$E=9 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 117, 129	87Pa19
	$(\alpha,2\text{n})$	$E=60 \text{ MeV}$	JOUR Pramana 30, 193	88Is01
	$(\alpha,2\text{n})$	$E \leq 50 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 480	87Si11
	$(\alpha,3\text{n})$	$E \leq 50 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 480	87Si11
	$(\alpha,4\text{n})$	$E \leq 50 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 480	87Si11
	$(^7\text{Li},^7\text{Be})$	$E=78 \text{ MeV}$	JOUR Yad.Fiz. 45, 1236	87G105
^{110}Cd	(p,n)	$E=5.2,5.6,6 \text{ MeV}$	JOUR Nucl.Phys. A473, 471	87Kr15
^{111}Cd	(p,γ)	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	$E=9 \text{ MeV}$	JOUR Yad.Fiz. 47, 978	88Ba13
	(p,n)	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{114}Cd	(p,γ)	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,γ)	$E=3-9 \text{ MeV}$	JOUR Yad.Fiz. 45, 614	87Sk03
	(p,n)	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{113}In	(p,γ)	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	$E=9 \text{ MeV}$	JOUR Yad.Fiz. 47, 978	88Ba13
^{115}In	(p,γ)	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{112}Sn	(p,γ)	$E=3-9 \text{ MeV}$	JOUR Yad.Fiz. 45, 614	87Sk03
^{116}Sn	(p,γ)	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(α,n)	$E=20-29 \text{ MeV}$	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
	(α,n)	$E=16-32 \text{ MeV}$	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
	(α,n)	$E=\text{threshold}-32 \text{ MeV}$	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
	$(\alpha,2\text{n})$	$E=20-29 \text{ MeV}$	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
	$(\alpha,2\text{n})$	$E=\text{threshold}-32 \text{ MeV}$	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
	$(\alpha,2\text{n})$	$E=\text{threshold}-32 \text{ MeV}$	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
^{117}Sn	$(\alpha,2\text{n})$	$E=\text{threshold}-32 \text{ MeV}$	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
	$(\alpha,2\text{n})$	$E=16-32 \text{ MeV}$	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
	$(\alpha,3\text{n})$	$E=\text{threshold}-32 \text{ MeV}$	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52

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TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{118}Sn	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(α ,n)	E=16-32 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
^{119}Sn	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(α ,2n)	E=16-32 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
^{120}Sn	(α ,3n)	E=29.3,31.7 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
	(^{12}C ,X)	E=5.5-10 MeV/nucleon	JOUR Phys.Rev.Lett. 60, 14	88Ts01
^{122}Sn	(p,n)	E=9 MeV	JOUR Yad.Fiz. 47, 978	88Ba13
^{124}Sn	(α ,2n)	E=35-57 MeV	JOUR Z.Phys. A330, 69	88Ar09
	(α ,3n)	E=35-57 MeV	JOUR Z.Phys. A330, 69	88Ar09
	(α ,4n)	E=35-57 MeV	JOUR Z.Phys. A330, 69	88Ar09
	(α ,5n)	E=35-57 MeV	JOUR Z.Phys. A330, 69	88Ar09
^{121}Sb	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(d,2n)	E=4-16 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
	(d,2n)	E $\approx$ 4-16 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
^{123}Sb	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{124}Te	(d,2n)	E=15 MeV	JOUR J.Radioanal.Nucl.Chem. 127, 143	88La15
^{127}I	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,3n)	E=100 MeV	JOUR Radiokhimiya 29, 391	87Za11
	(p,5n)	E=100 MeV	JOUR Radiokhimiya 29, 391	87Za11
	(p,5n)	E=60 MeV	JOUR Appl.Radiat.Isot. 38, 1087	87Ja13
	(p,3n2p)	E=60 MeV	JOUR Appl.Radiat.Isot. 38, 1087	87Ja13
	(p,7n)	E=60 MeV	JOUR Appl.Radiat.Isot. 38, 1087	87Ja13
^{123}Xe	(p, α)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
^{124}Xe	(p,2n)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
	(p,2n)	E=15-34 MeV	JOUR Radiochim.Acta 41, 1	87F108
	(p,np)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
	(p,np)	E=15-34 MeV	JOUR Radiochim.Acta 41, 1	87F108
	(p,2p)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
	(p,2np)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
	(p, α)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
^{126}Xe	(p,2n)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
	(p,np)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
	(p,2p)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
	(p,n2p)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
	(p, α)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
	(p,n α)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
^{129}Xe	(p,n α)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
^{139}La	(p,n)	E=5.5 MeV	JOUR Phys.Rev. C38, 625	88Ch23
	(p,2n)	E=16-24.5 MeV	JOUR Nucl.Phys. A470, 286	87Lo12
	(^{18}F ,X)	E not given	JOUR J.Phys.(London) G14, L55	88Le04
^{144}Nd	(p, α)	E=25.35 MeV	JOUR Phys.Rev. C37, 79	88Ga01
^{148}Nd	(^{16}O ,X)	E(cm) $\approx$ 56-72 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(^{18}O ,X)	E(cm) $\approx$ 54-70 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
^{150}Nd	(^{16}O ,X)	E(cm) $\approx$ 14-26 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(^{16}O ,X)	E(cm) $\approx$ 56-72 MeV	JOUR Nuovo Cim. 98, 571	87Sc33

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TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
¹⁴⁴ Sm	(¹⁶ O, ¹⁶ O)	E=61-72.3	JOUR Nucl.Phys. A471, 587	87Ki19
	(¹⁶ O, ¹⁶ O')	E=61-72.3	JOUR Nucl.Phys. A471, 587	87Ki19
	(¹⁶ O,X)	E=61-72.3	JOUR Nucl.Phys. A471, 587	87Ki19
	(⁴⁰ Ar,X)	E(cm)≈120-140 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
¹⁴⁷ Sm	(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
¹⁴⁸ Sm	(¹⁶ O, ¹⁶ O)	E=59-75 MeV	JOUR Nucl.Phys. A471, 587	87Ki19
	(¹⁶ O, ¹⁶ O')	E=59-75 MeV	JOUR Nucl.Phys. A471, 587	87Ki19
	(¹⁶ O,X)	E=59-75 MeV	JOUR Nucl.Phys. A471, 587	87Ki19
	(¹⁶ O,X)	E=57-76 MeV	JOUR Z.Phys. A327, 413	87Ta14
	(¹⁶ O,X)	E(cm)≈52-68 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(⁴⁰ Ar,X)	E(cm)≈114-146 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
¹⁵⁰ Sm	(¹⁶ O, ¹⁶ O)	E=60-75 MeV	JOUR Nucl.Phys. A471, 587	87Ki19
	(¹⁶ O, ¹⁶ O')	E=60-75 MeV	JOUR Nucl.Phys. A471, 587	87Ki19
	(¹⁶ O,X)	E=60-75 MeV	JOUR Nucl.Phys. A471, 587	87Ki19
	(¹⁶ O,X)	E=57-76 MeV	JOUR Z.Phys. A327, 413	87Ta14
	(¹⁶ O,X)	E(cm)≈52-68 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(¹⁶ O,X)	E not given	JOUR J.Phys.(London) G14, L55	88Le04
¹⁵² Sm	(¹² C,X)	E(cm)≈42-58 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(¹⁶ O, ¹⁶ O)	E=60-75 MeV	JOUR Nucl.Phys. A471, 587	87Ki19
	(¹⁶ O, ¹⁶ O')	E=60-75 MeV	JOUR Nucl.Phys. A471, 587	87Ki19
	(¹⁶ O,X)	E(cm)≈55-70 MeV	JOUR Phys.Rev. C36, 1626	87Ki21
	(¹⁶ O,X)	E(cm)≈52-68 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(¹⁶ O,X)	E=60-75 MeV	JOUR Nucl.Phys. A471, 587	87Ki19
¹⁵⁴ Sm	(¹⁶ O,X)	E not given	JOUR J.Phys.(London) G14, L55	88Le04
	(¹⁶ O,X)	E(cm)≈52-68 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(¹⁶ O,X)	E=60-75 MeV	JOUR Nucl.Phys. A471, 587	87Ki19
	(⁴⁰ Ar,X)	E(cm)≈112-144 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(¹⁶ O, ¹⁶ O)	E=60-75 MeV	JOUR Nucl.Phys. A471, 587	87Ki19
	(¹⁶ O, ¹⁶ O')	E=60-75 MeV	JOUR Nucl.Phys. A471, 587	87Ki19
¹⁵⁶ Gd	(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
¹⁶⁰ Gd	(¹² C,X)	E=5.5-10 MeV/nucleon	JOUR Phys.Rev.Lett. 60, 14	88Ts01
Tb	(α,xnyp)	E=25-60 MeV	JOUR Nucl.Instr.Meth. Phys.Res. A263, 421	88Ch01
¹⁵⁹ Tb	(⁷ Li,X)	E(cm)≈18-30 MeV	JOUR Nuovo Cim. 98, 571	87Sc33
	(¹⁴ N,αX)	E=92-309 MeV	JOUR Nucl.Phys. A471, 635	87Ba51
	(¹⁹ F,X)	E not given	JOUR J.Phys.(London) G14, L55	88Le04
¹⁶⁵ Ho	(α,2n)	E=10-120 MeV	JOUR J.Phys.(London) G13, 535	87Ra05
	(α,4n)	E=10-120 MeV	JOUR J.Phys.(London) G13, 535	87Ra05
¹⁶⁹ Tm	(¹⁸ F,X)	E not given	JOUR J.Phys.(London) G14, L55	88Le04
Yb	(p,xn)	E=65-100 MeV	JOUR Radiokhimiya 29, 241	87Ng05
¹⁷⁶ Hf	(¹⁶ O,X)	E=70-90 MeV	JOUR J.Phys.(London) G14, L55	88Le04
¹⁷⁸ Hf	(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E≤9.1 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 913	86Ba84
¹⁷⁹ Hf	(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
¹⁸⁰ Hf	(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23

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TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{180}Hf	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=6-9 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 913	86Ba84
	(p,n)	E $\leq$ 9.1 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 913	86Ba84
	(^{18}O ,X)	E=70-90 MeV	JOUR J.Phys.(London) G14, L55	88Le04
Ta	(p,X)	E=11,13,21-22.6 MeV	JOUR At.Energ. 60, 332	86Ko33
	(p,X)	E=6.1-22.4 MeV	JOUR At.Energ. 60, 332	86Ko33
	(d,X)	E=6.2-22.6 MeV	JOUR At.Energ. 60, 332	86Ko33
	(d,X)	E=12,20-45.2 MeV	JOUR At.Energ. 60, 332	86Ko33
	(α ,X)	E=12.6-45.2 MeV	JOUR At.Energ. 60, 332	86Ko33
	(α ,X)	E=11,18,26,41-46 MeV	JOUR At.Energ. 60, 332	86Ko33
^{181}Ta	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(α ,n)	E=60 MeV	JOUR Pramana 30, 193	88Is01
	(α ,2n)	E=60 MeV	JOUR Pramana 30, 193	88Is01
	(α ,3n)	E=60 MeV	JOUR Pramana 30, 193	88Is01
	(α ,4n)	E=60 MeV	JOUR Pramana 30, 193	88Is01
	(^{19}F ,X)	E not given	JOUR J.Phys.(London) G14, L55	88Le04
^{182}W	(^{16}O ,X)	E=70-90 MeV	JOUR J.Phys.(London) G14, L55	88Le04
^{183}W	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{184}W	(^{16}O ,X)	E=70-90 MeV	JOUR J.Phys.(London) G14, L55	88Le04
^{186}W	(^{16}O ,X)	E=70-90 MeV	JOUR J.Phys.(London) G14, L55	88Le04
Pt	(α ,xnyp)	E=25-60 MeV	JOUR Nucl.Instr.Meth. Phys.Res. A263, 421	88Ch01
^{184}Pt	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{185}Pt	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{197}Au	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,F)	E=26 MeV	JOUR Yad.Fiz. 47, 7	88It01
	(d,p)	E=6.6-13.1 MeV	JOUR Chin.J.Nucl.Phys. 9, 48	87Lo07
	(d,2n)	E=6.6-13.1 MeV	JOUR Chin.J.Nucl.Phys. 9, 48	87Lo07
	(d,2np)	E=6.6-13.1 MeV	JOUR Chin.J.Nucl.Phys. 9, 48	87Lo07
	(α ,n)	E=threshold-75 MeV	JOUR J.Phys.(London) G14, 931	88Si10
	(α ,2n)	E=threshold-75 MeV	JOUR J.Phys.(London) G14, 931	88Si10
	(α ,3n)	E=threshold-75 MeV	JOUR J.Phys.(London) G14, 931	88Si10
	(α ,n2p)	E=threshold-75 MeV	JOUR J.Phys.(London) G14, 931	88Si10
	(α ,n α)	E=threshold-75 MeV	JOUR J.Phys.(London) G14, 931	88Si10
	(α ,3n α)	E=threshold-75 MeV	JOUR J.Phys.(London) G14, 931	88Si10
	(α ,xnyp)	E=25-60 MeV	JOUR Nucl.Instr.Meth. Phys.Res. A263, 421	88Ch01
	(α ,F)	E=35.9 MeV	JOUR Yad.Fiz. 47, 7	88It01
	(^7Li , ^7Be)	E=78 MeV	JOUR Yad.Fiz. 45, 1236	87G105
	(^{12}C ,X)	E=5.5-10 MeV/nucleon	JOUR Phys.Rev.Lett. 60, 14	88Ts01
Pb	(p,xn)	E=65 MeV	JOUR Radiokhimiya 29, 247	87Za09
	(p,X)	E=8.8-67.5 MeV	JOUR Appl.Radiat.Isot. 38, 129	87La08
^{206}Pb	(^{23}Na ,F)	E=108-120 MeV	JOUR Phys.Rev. C36, 1351	87Bu16
^{207}Pb	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{208}Pb	(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	(d,np)	E $\approx$ 10-250 MeV	JOUR Nucl.Phys. A485, 221	88Sr02
	(^3He ,pd)	E $\approx$ 10-250 MeV	JOUR Nucl.Phys. A485, 221	88Sr02

TARGET INDEX

TARGET	REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{208}Pb	$(^7\text{Li}, ^7\text{Be})$	E=78 MeV	JOUR Yad.Fiz. 45, 1236	87G105
	$(^{14}\text{C}, 3n)$	E=60-78 MeV	JOUR Phys.Rev. C36, 2286	87Co36
	$(^{16}\text{O}, X)$	E≈75-135 MeV	JOUR Phys.Rev. C37, 998	88Ki01
^{209}Bi	$(t, 2n)$	E=11.5-17 MeV	JOUR Phys.Rev. C38, 74	88Ma32
	(α, F)	E=30.9, 31.7 MeV	JOUR Yad.Fiz. 46, 1380	871t06
	(α, F)	E=17-31 MeV	JOUR Europhys.Lett. 4, 275	871t03
^{232}Th	$(^{16}\text{O}, ^{16}\text{O})$	E=80 MeV	JOUR Phys.Rev. C35, 1600	87Ta09
	$(^{16}\text{O}, ^{16}\text{O}')$	E=80 MeV	JOUR Phys.Rev. C35, 1600	87Ta09
	$(^{16}\text{O}, X)$	E=78-107 MeV	JOUR Z.Phys. A327, 413	87Ta14
^{233}U	(p, F)	E=0.5-4.3 MeV	JOUR Phys.Rev.Lett. 58, 1520	87Aj01
^{236}U	$(^{12}\text{C}, X)$	E=58-85 MeV	JOUR Z.Phys. A327, 413	87Ta14
^{238}U	(p, n)	E≈10-40 MeV	JOUR Yad.Fiz. 46, 700	87Ag06
	(p, n)	E≈10-40 MeV	JOUR Yad.Fiz. 46, 700	87Ag06
	$(p, 2n)$	E≈10-40 MeV	JOUR Yad.Fiz. 46, 700	87Ag06
	$(p, 3n)$	E≈10-40 MeV	JOUR Yad.Fiz. 46, 700	87Ag06
	$(p, 3n)$	E≈10-40 MeV	JOUR Yad.Fiz. 46, 700	87Ag06
	(p, F)	E=0.5-4.3 MeV	JOUR Phys.Rev.Lett. 58, 1520	87Aj01
	(d, xnF)	E≤20 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 51, 2055	87Gr33
	(α, F)	E=32, 40, 48, 56 MeV	JOUR Nucl.Phys. A463, 597	87Ch04
^{249}Cf	$(^{16}\text{O}, X)$	E=90-150 MeV	JOUR Phys.Rev. C36, 1820	87Ch30
^{254}Es	$(^{18}\text{O}, X)$	E=98 MeV	JOUR Rev.Rouv.Phys. 32, 597	87Ma50
	$(^{22}\text{Ne}, X)$	E=126 MeV	JOUR Rev.Rouv.Phys. 32, 597	87Ma50
	$(^{48}\text{Ca}, X)$	E=266 MeV	JOUR Rev.Rouv.Phys. 32, 597	87Ma50

RESIDUAL INDEX

RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^1n	$^2\text{H}(\text{d}, ^3\text{He})$	$E=20-117\text{ keV}$	JOUR Nucl.Instr.Meth. Phys.Res. B10/11, 405	85Ja16
	$^3\text{H}(\text{d}, \alpha)$	$E=80-116\text{ keV}$	JOUR Phys.Rev. C35, 1999	87Br10
^1H	$^1\text{H}(\text{d}, \text{d})$	$E \leq 20\text{ keV}$	JOUR Phys.Lett. 202, 289	88Be06
^2H	$^2\text{H}(\text{d}, \text{d})$	$E \leq 20\text{ keV}$	JOUR Phys.Lett. 202, 289	88Be06
	$^3\text{He}(^3\text{He}, 2\text{pd})$	$E=17.9, 21.7, 24\text{ MeV}$	JOUR Phys.Rev. C35, 383	87Br02
^3H	$^2\text{H}(\text{d}, \text{p})$	$E=20-117\text{ keV}$	JOUR Nucl.Instr.Meth. Phys.Res. B10/11, 405	85Ja16
	$^2\text{H}(\text{d}, \text{p})$	$E(\text{cm})=6.95-141.8\text{ keV}$	JOUR Nucl.Phys. A465, 150	87Kr18
	$^2\text{H}(\text{d}, \text{p})$	$E \leq 250\text{ keV}$	JOUR Z.Phys. A327, 461	87As05
	$^3\text{H}(\text{d}, \text{d})$	$E \leq 20\text{ keV}$	JOUR Phys.Lett. 202, 289	88Be06
	$^3\text{He}(^3\text{He}, 3\text{p})$	$E=17.9, 21.7, 24\text{ MeV}$	JOUR Phys.Rev. C35, 383	87Br02
^3He	$^2\text{H}(\text{d}, \text{n})$	$E(\text{cm})=2.98-162.5\text{ keV}$	JOUR Nucl.Phys. A465, 150	87Kr18
	$^3\text{He}(^3\text{He}, \text{n}2\text{p})$	$E=17.9, 21.7, 24\text{ MeV}$	JOUR Phys.Rev. C35, 383	87Br02
	$^3\text{He}(^3\text{He}, \text{pd})$	$E=17.9, 21.7, 24\text{ MeV}$	JOUR Phys.Rev. C35, 383	87Br02
^4He	$^7\text{Li}(\text{p}, \alpha)$	$E \leq 50\text{ keV}$	JOUR Z.Phys. A327, 461	87As05
	$^2\text{H}(\text{d}, \gamma)$	$E=0.075-3\text{ MeV}$	JOUR Phys.Rev. C36, 875	87Pi08
	$^2\text{H}(\text{d}, \gamma)$	$E(\text{cm})=50-500\text{ keV}$	JOUR Phys.Lett. 197, 315	87Ba58
	$^2\text{H}(\text{d}, \gamma)$		JOUR Phys.Lett. 200, 246	88Wa02
	$^2\text{H}(\text{d}, \gamma)$	$E(\text{cm})=0.010-10\text{ MeV}$	JOUR Phys.Rev. C36, 21	87B112
	$^2\text{H}(\text{d}, \gamma)$	$E(\text{cm})=0.010-10\text{ MeV}$	JOUR Phys.Rev. C36, 17	87As03
	$^3\text{H}(\text{d}, \text{n})$	$E=0.001-1\text{ MeV}$	JOUR At.Energ. 63, 252	87Gu25
	$^3\text{He}(\text{d}, \text{p})$	$E(\text{cm})=2.98-162.5\text{ keV}$	JOUR Nucl.Phys. A465, 150	87Kr18
	$^3\text{He}(\text{d}, \text{p})$	$E(\text{cm})=5.9-41.6\text{ keV}$	JOUR Phys.Lett. 202, 179	88En03
	$^3\text{He}(\text{d}, \text{p})$	$E=1\text{ keV}-10\text{ MeV}$	JOUR At.Energ. 63, 252	87Gu25
	$^3\text{He}(\text{d}, \text{p})$	$E \leq 250\text{ keV}$	JOUR Z.Phys. A327, 461	87As05
	$^2\text{H}(\text{t}, \text{n})$	$E=0-300\text{ keV}$	JOUR Yad.Fiz. 46, 757	87Va36
	$^2\text{H}(\text{t}, \text{n})$	$E=\text{threshold}-0.6\text{ MeV}$	JOUR Yad.Fiz. 47, 1238	88Gu07
	$^2\text{H}(^3\text{He}, \text{p})$	$E=\text{threshold}-0.6\text{ MeV}$	JOUR Yad.Fiz. 47, 1238	88Gu07
	$^3\text{He}(^3\text{He}, 2\text{p})$	$E=17.9, 21.7, 24\text{ MeV}$	JOUR Phys.Rev. C35, 383	87Br02
	$^3\text{He}(^3\text{He}, 2\text{p})$	$E \leq 250\text{ keV}$	JOUR Z.Phys. A327, 461	87As05
	$^3\text{He}(^3\text{He}, 2\text{p})$	$E(\text{cm})=17.9-342.5\text{ keV}$	JOUR Nucl.Phys. A467, 273	87Kr09
^7Li	$^4\text{He}(\text{t}, \gamma)$	$E(\text{cm}) \approx 0-1.5\text{ MeV}$	JOUR Phys.Rev. C37, 512	88Ka02
	$^3\text{H}(\alpha, \gamma)$	$E=\text{low}$	JOUR Phys.Lett. 202, 475	88Ka07
	$^3\text{H}(\alpha, \gamma)$	$E=0.7-2\text{ MeV}$	JOUR Nucl.Phys. A473, 179	87Bu18
	$^3\text{H}(\alpha, \gamma)$	$E \approx 50-600\text{ keV}$	JOUR Z.Phys. A330, 277	88A124
	$^3\text{H}(\alpha, \gamma)$	$E(\text{cm})=79-464\text{ keV}$	JOUR Phys.Lett. 142, 55	87Sc18
^9Li	$^7\text{Li}(\text{t}, \text{p})$	$E \approx 5.7-8.5\text{ MeV}$	JOUR Yad.Fiz. 46, 499	87Ab15
^7Be	$^7\text{Li}(\text{p}, \text{n})$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^3\text{He}(\alpha, \gamma)$	$E(\text{cm})=195-686\text{ keV}$	JOUR Z.Phys. A329, 243	88Hi06
	$^3\text{He}(\alpha, \gamma)$	$E=\text{low}$	JOUR Phys.Lett. 202, 475	88Ka07
^8Be	$^7\text{Li}(\text{p}, \gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{11}\text{B}(\text{p}, \alpha)$	$E=140-1100\text{ keV}$	JOUR Z.Phys. A327, 341	87Be17
	$^{11}\text{B}(\text{p}, \alpha)$	$E \leq 50\text{ keV}$	JOUR Z.Phys. A327, 461	87As05
	$^1\text{H}(^{11}\text{B}, \alpha)$	$E=1.68-13.2\text{ MeV}$	JOUR Z.Phys. A327, 341	87Be17
^9Be	$^7\text{Li}(\text{t}, \text{n})$	$E \approx 5.7-8.5\text{ MeV}$	JOUR Yad.Fiz. 46, 499	87Ab15
^8B	$^7\text{Be}(\text{p}, \gamma)$	$E \approx 2\text{ MeV}$	JOUR Phys.Rev. C37, 2920	88Ba29
^9B	$^9\text{Be}(\text{p}, \text{n})$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{10}B	$^9\text{Be}(\text{p}, \gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{13}\text{C}(\text{p}, \alpha)$	$E=30.95\text{ MeV}$	JOUR Phys.Rev. C38, 517	88Ba30
	$^6\text{Li}(^6\text{Li}, \text{np})$	$E(\text{cm})=7.2-13.3\text{ MeV}$	JOUR Phys.Rev. C35, 1746	87Ar13
	$^6\text{Li}(^6\text{Li}, \text{d})$	$E(\text{cm})=7.4, 9.4\text{ MeV}$	JOUR Phys.Rev. C35, 1746	87Ar13
^{11}B	$^{11}\text{B}(\text{p}, \text{p})$	$E=19.6-25\text{ MeV}$	JOUR Nuovo Cim. 97, 29	87Ra14
	$^{11}\text{B}(\text{p}, \text{p}')$	$E=19.6-25\text{ MeV}$	JOUR Nuovo Cim. 97, 29	87Ra14

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RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
¹¹ B	¹⁰ Be(³ He,np)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
	¹⁰ Be(³ He,d)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
	⁶ Li(⁶ Li,p)	E=2-16 MeV	JOUR Nucl.Phys. A467, 149	87Do05
¹⁰ C	¹⁰ B(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
¹¹ C	¹⁰ B(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	¹¹ B(p,n)	E<14.7 MeV	JOUR J.Radioanal.Nucl.Chem. 102, 159	86Ai04
	¹¹ B(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	¹⁴ N(p,α)	E<14.7 MeV	JOUR J.Radioanal.Nucl.Chem. 102, 159	86Ai04
	¹⁰ B(t,2n)	E=3-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 722	87Bo16
	⁷ Be(α,γ)	E not given	JOUR Astrophys.J. 324, 953	88Bu01
	⁶ Li(⁶ Li,n)	E=2-16 MeV	JOUR Nucl.Phys. A467, 149	87Do05
¹² C	¹¹ B(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	¹⁵ N(p,α)	E≤50 keV	JOUR Z.Phys. A327, 461	87As05
	⁹ Be(α,γ)	E(cm)=0.0-4 MeV	JOUR Phys.Rev. C36, 54	87De13
	Li(α,n)	E≤10 MeV	JOUR At.Energ. 62, 232	87Vu02
	⁹ Be(α,n)	E≤10 MeV	JOUR At.Energ. 62, 232	87Vu02
	B(α,n)	E≤10 MeV	JOUR At.Energ. 62, 232	87Vu02
	C(α,n)	E≤10 MeV	JOUR At.Energ. 62, 232	87Vu02
	¹⁹ F(α,n)	E≤10 MeV	JOUR At.Energ. 62, 232	87Vu02
	¹² C(α,α)	E=1-66 MeV	JOUR Nucl.Phys. A465, 291	87Pl03
	¹² C(α,α)	E(cm)≈5-2000 MeV/nuc1.	JOUR Nucl.Phys. A477, 713	88Ma10
	¹² C(¹² C, ¹² C)	E(cm)=26.5-30.5 MeV	JOUR Phys.Rev. C37, 1953	88Pa04
	¹² C(¹² C, ¹² C)	E(cm)≈5-2000 MeV/nuc1.	JOUR Nucl.Phys. A477, 713	88Ma10
	¹² C(¹² C, ¹² C)	E(cm)≤14 MeV	JOUR Phys.Rev. C36, 1408	87Pa24
	¹² C(¹⁵ N, ¹⁵ N)	E=51-62 MeV	JOUR Fizika(Zagreb) 19, Supplement 1 13	87Fr11
	¹² C(¹⁵ N, ¹⁵ N')	E=51-62 MeV	JOUR Fizika(Zagreb) 19, Supplement 1 13	87Fr11
¹³ C	¹³ C(p,p)	E=30.95 MeV	JOUR Phys.Rev. C38, 517	88Ba30
	¹³ C(α,α)	E=low	JOUR Phys.Rev. C36, 2206	87De38
¹⁴ C	¹¹ B(α,p)	E=0.9-1.7 MeV	JOUR Nucl.Phys. A468, 29	87Tu01
¹³ N	¹² C(p,γ)	E=2.65-2.85 MeV	JOUR Nucl.Instr.Meth. Phys.Res. A260, 33	87Se13
	¹² C(p,γ)	E=40,65,85 MeV	JOUR Phys.Rev. C35, 1214	87La11
	¹² C(p,γ)	E<14.7 MeV	JOUR J.Radioanal.Nucl.Chem. 102, 159	86Ai04
	¹³ C(p,n)	E<14.7 MeV	JOUR J.Radioanal.Nucl.Chem. 102, 159	86Ai04
	¹⁶ O(p,α)	E<14.7 MeV	JOUR J.Radioanal.Nucl.Chem. 102, 159	86Ai04
	¹² C(d,n)	E<14.7 MeV	JOUR J.Radioanal.Nucl.Chem. 102, 159	86Ai04
¹⁵ N	¹⁸ O(p,α)	E≤50 keV	JOUR Z.Phys. A327, 461	87As05
¹⁶ N	⁶ Li(¹¹ B,p)	E=6-32 MeV	JOUR Radiochim.Acta 43, 139	88Co12
	⁷ Li(¹¹ B,d)	E=6-32 MeV	JOUR Radiochim.Acta 43, 139	88Co12
	⁶ Li(¹⁸ O,2α)	E=10-40 MeV	JOUR Radiochim.Acta 42, 1	87Di07
¹⁴ O	¹³ N(p,γ)	E=low	JOUR Nucl.Phys. A464, 90	87Fu02
	¹⁴ N(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
¹⁵ O	¹⁴ N(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	¹⁴ N(p,γ)	E=0.2-3.6 MeV	JOUR Nucl.Phys. A467, 240	87Sc10
	¹⁴ N(p,γ)	E=1165-1185 keV	JOUR Nucl.Instr.Meth. Phys.Res. A260, 33	87Se13
	¹⁴ N(p,γ)	E=0.5-3.5 MeV	JOUR Z.Phys. A327, 71	87Kr04
¹⁶ O	¹⁵ N(p,γ)	E=6.25-13.75 MeV	JOUR Phys.Rev. C37, 2289	88Wi16
	¹² C(α,γ)	E=1.29-3.29	JOUR Diss.Abst.Int. 48,1725,Kremer	87Kr2V
	¹² C(α,γ)	E≈0.25-3 MeV	JOUR Phys.Rev. C36, 1249	87De32
	¹² C(α,γ)	E=260-360 keV	JOUR Nucl.Instr.Meth. Phys.Res. A260, 33	87Se13
	¹² C(α,γ)	E(cm)≈1.5-3 MeV	JOUR Aust.J.Phys. 40, 25	87Ba53
	¹² C(α,γ)	E=0.94-2.84 MeV	JOUR Nucl.Phys. A462, 385	87Re02
	¹² C(α,γ)	E(cm)=1.29-3 MeV	JOUR Phys.Rev.Lett. 60, 1475	88Kr06
	¹³ C(α,n)	E=low	JOUR Phys.Rev. C36, 2206	87De38
	¹⁸ O(¹² C, ¹² C)	E(cm)≤8 MeV	JOUR Phys.Rev. C36, 1408	87Pa24
	¹⁶ O(¹⁶ O, ¹⁶ O)	E(cm)≤12 MeV	JOUR Phys.Rev. C36, 1408	87Pa24

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RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{17}O	$^{15}\text{N}(\text{d}, \gamma)$	$E=30 \text{ MeV}$	JOUR Nucl.Phys. A483, 9	88Co10
	$^{12}\text{C}(^7\text{Li}, \text{d})$	$E(\text{cm})=7.4, 9.4 \text{ MeV}$	JOUR Phys.Rev. C35, 1746	87Ar13
	$^{17}\text{O}(^{12}\text{C}, ^{12}\text{C}')$	$E(\text{cm})\approx 22-32 \text{ MeV}$	JOUR Phys.Rev. C36, 2341	87Mo27
	$^{17}\text{O}(^{13}\text{C}, ^{13}\text{C}')$	$E(\text{cm})\approx 10-20 \text{ MeV}$	JOUR Phys.Rev. C36, 2341	87Mo27
^{18}O	$^{14}\text{C}(\alpha, \gamma)$	$E=1.7-2.7 \text{ MeV}$	JOUR Phys.Rev. C36, 1256	87Ga15
	$^{14}\text{C}(\alpha, \gamma)$	$E \text{ not given}$	JOUR Astrophys.J. 324, 953	88Bu01
	$^{13}\text{C}(^6\text{Li}, \text{p})$	$E=28 \text{ MeV}$	JOUR Phys.Rev. C37, 1036	88Sm01
	$^{18}\text{O}(^{12}\text{C}, ^{12}\text{C}')$	$E\approx 10-20 \text{ MeV}$	JOUR Phys.Rev. C36, 2341	87Mo27
^{18}O	$^6\text{Li}(^{18}\text{O}, \text{p}\alpha)$	$E=10-40 \text{ MeV}$	JOUR Radiochim.Acta 42, 1	87Di07
^{16}F	$^{16}\text{O}(\text{p}, \text{n})$	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{17}F	$^{16}\text{O}(\text{p}, \gamma)$	$E=40, 65, 85 \text{ MeV}$	JOUR Phys.Rev. C35, 1214	87La11
	$^{16}\text{O}(\text{p}, \gamma)$	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{16}\text{O}(\text{p}, \gamma)$	$E=16 \text{ MeV}$	JOUR Nucl.Phys. A483, 9	88Co10
	$^{16}\text{O}(\text{d}, \text{n})$	$E<14.7 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 102, 159	86Ai04
	$^{14}\text{O}(\alpha, \text{p})$	$E\approx 0.5-4 \text{ MeV}$	JOUR Nucl.Phys. A480, 188	88Fu02
	$^{14}\text{O}(\alpha, \text{p})$	$E \text{ not given}$	JOUR Astrophys.J. 316, 162	87Wi11
	$^{16}\text{O}(^{16}\text{O}, ^{15}\text{N})$	$E=72 \text{ MeV}$	JOUR Nucl.Phys. A481, 577	88Au03
^{18}F	$^{18}\text{O}(\text{p}, \text{n})$	$E<14.7 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 102, 159	86Ai04
	$^{27}\text{Al}(\text{p}, 2\text{n}2\alpha)$	$E=13.3-67.5 \text{ MeV}$	JOUR Appl.Radiat.Isot. 39, 41	88La01
	$^{16}\text{O}(\text{t}, \text{n})$	$E<14.7 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 102, 159	86Ai04
	$^{16}\text{O}(\text{t}, \text{n})$	$E=3-12 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 722	87Bo16
	$^9\text{Be}(^{11}\text{B}, 2\text{n})$	$E=6-32 \text{ MeV}$	JOUR Radiochim.Acta 43, 139	88Co12
	$^9\text{Be}(^{11}\text{B}, 2\text{n})$	$E=6-32 \text{ MeV}$	JOUR Radiochim.Acta 43, 139	88Co12
^{19}F	$^6\text{Li}(^{18}\text{O}, \text{n}\alpha)$	$E=10-40 \text{ MeV}$	JOUR Radiochim.Acta 42, 1	87Di07
^{20}F	$^{10}\text{B}(^{11}\text{B}, \text{p})$	$E=6-32 \text{ MeV}$	JOUR Radiochim.Acta 43, 139	88Co12
	$^{11}\text{B}(^{11}\text{B}, \text{d})$	$E=6-32 \text{ MeV}$	JOUR Radiochim.Acta 43, 139	88Co12
	$^6\text{Li}(^{18}\text{O}, \alpha)$	$E=10-40 \text{ MeV}$	JOUR Radiochim.Acta 42, 1	87Di07
^{21}F	$^6\text{Li}(^{18}\text{O}, ^3\text{He})$	$E=10-40 \text{ MeV}$	JOUR Radiochim.Acta 42, 1	87Di07
^{18}Ne	$^{17}\text{F}(\text{p}, \gamma)$	$E(\text{cm})\leq 0.7 \text{ MeV}$	JOUR Astrophys.J. 326, 384	88Wi08
	$^{27}\text{Al}(\text{p}, 2\text{n}2\alpha)$	$E=13.3-67.5 \text{ MeV}$	JOUR Appl.Radiat.Isot. 39, 41	88La01
	$^{14}\text{O}(\alpha, \gamma)$	$E \text{ not given}$	JOUR Astrophys.J. 316, 162	87Wi11
^{19}Ne	$^{19}\text{F}(\text{p}, \text{n})$	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{15}\text{O}(\alpha, \gamma)$	$E=0-2 \text{ MeV}$	JOUR Astrophys.J. 324, 953	88Bu01
^{20}Ne	$^{19}\text{F}(\text{p}, \gamma)$	$E=3-10 \text{ MeV}$	JOUR Phys.Rev. C37, 2281	88Ku08
	$^{19}\text{F}(\text{p}, \gamma)$	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{19}\text{F}(\text{p}, \gamma)$	$E=3.5-13.3 \text{ MeV}$	JOUR Phys.Rev. C37, 2301	88Wa13
	$^{16}\text{O}(\alpha, \gamma)$	$E(\text{cm})=1.7-2.35 \text{ MeV}$	JOUR Phys.Rev. C36, 892	87Ha24
	$^{16}\text{O}(\alpha, \gamma)$	$E=15-40 \text{ MeV}$	JOUR Phys.Rev. C35, 1961	87Mi07
	$^{16}\text{O}(\alpha, \gamma)$	$E \text{ not given}$	JOUR Astrophys.J. 324, 953	88Bu01
	$^{16}\text{O}(^6\text{Li}, \text{n}\text{p})$	$E(\text{cm})=7.2-13.3 \text{ MeV}$	JOUR Phys.Rev. C35, 1746	87Ar13
	$^{18}\text{O}(^6\text{Li}, \text{d})$	$E(\text{cm})=7.4, 9.4 \text{ MeV}$	JOUR Phys.Rev. C35, 1746	87Ar13
	$^{12}\text{C}(^{12}\text{C}, \alpha)$	$E(\text{cm})=4.7-6 \text{ MeV}$	JOUR Z.Phys. A330, 93	88De18
	$^{16}\text{O}(^{16}\text{O}, ^{12}\text{C})$	$E=72 \text{ MeV}$	JOUR Nucl.Phys. A481, 577	88Au03
^{22}Ne	$^{18}\text{O}(\alpha, \gamma)$	$E=0-2 \text{ MeV}$	JOUR Astrophys.J. 324, 953	88Bu01
	$^6\text{Li}(^{18}\text{O}, \text{d})$	$E=10-40 \text{ MeV}$	JOUR Radiochim.Acta 42, 1	87Di07
^{23}Ne	$^6\text{Li}(^{18}\text{O}, \text{p})$	$E=10-40 \text{ MeV}$	JOUR Radiochim.Acta 42, 1	87Di07
	$^6\text{Li}(^{18}\text{O}, \text{p})$	$E=10-40 \text{ MeV}$	JOUR Radiochim.Acta 42, 1	87Di07
^{21}Na	$^{20}\text{Ne}(\text{p}, \gamma)$	$E=300-400 \text{ keV}$	JOUR Nucl.Instr.Meth. Phys.Res. A260, 33	87Se13
^{22}Na	$^{24}\text{Mg}(\text{d}, \alpha)$	$E=14 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 127, 31	88De20
	$\text{Li}(\alpha, \text{n})$	$E\leq 10 \text{ MeV}$	JOUR At.Energ. 62, 232	87Vu02
	$^9\text{Be}(\alpha, \text{n})$	$E\leq 10 \text{ MeV}$	JOUR At.Energ. 62, 232	87Vu02

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RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{22}Na	$\text{B}(\alpha, n)$	$E \leq 10$ MeV	JOUR At.Energ. 62, 232	87Vu02
	$\text{C}(\alpha, n)$	$E \leq 10$ MeV	JOUR At.Energ. 62, 232	87Vu02
	$^{19}\text{F}(\alpha, n)$	$E \leq 10$ MeV	JOUR At.Energ. 62, 232	87Vu02
	$^{12}\text{C}(^{12}\text{C}, np)$	$E(\text{cm}) = 11-16$ MeV	JOUR Phys.Rev. C35, 1746	87Ar13
	$^{12}\text{C}(^{12}\text{C}, np)$	$E(\text{cm}) = 13.8-22.1$ MeV	JOUR Phys.Rev. C35, 1746	87Ar13
	$^{12}\text{C}(^{12}\text{C}, d)$	$E(\text{cm}) = 7.2-13.3$ MeV	JOUR Phys.Rev. C35, 1746	87Ar13
^{23}Na	$^{26}\text{Mg}(p, \alpha)$	$E = 5.3-7$ MeV	JOUR Nucl.Phys. A467, 511	87Do06
	$^{27}\text{Al}(p, 2n3p)$	$E = 13.3-67.5$ MeV	JOUR Appl.Radiat.Isot. 39, 41	88La01
	$^{12}\text{C}(^{12}\text{C}, p)$	$E(\text{cm}) = 4.7-6$ MeV	JOUR Z.Phys. A330, 93	88De18
	$^6\text{Li}(^{16}\text{O}, n)$	$E = 10-40$ MeV	JOUR Radiochim.Acta 42, 1	87Di07
^{24}Na	$^{27}\text{Al}(p, n3p)$	$E = 13.3-67.5$ MeV	JOUR Appl.Radiat.Isot. 39, 41	88La01
^{23}Mg	$^{23}\text{Na}(p, n)$	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{12}\text{C}(^{12}\text{C}, n)$	$E(\text{cm}) = 4.7-6$ MeV	JOUR Z.Phys. A330, 93	88De18
^{24}Mg	$^{23}\text{Na}(p, \gamma)$	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{23}\text{Na}(p, \gamma)$	$E = 220-340$ keV	JOUR Nucl.Instr.Meth. Phys.Res. A260, 33	87Se13
	$^{12}\text{C}(^{12}\text{C}, \gamma)$	$E(\text{cm}) = 4.7-6$ MeV	JOUR Z.Phys. A330, 93	88De18
	$^{16}\text{O}(^{16}\text{O}, X)$	$E(\text{cm}) = 8-13.8$ MeV	JOUR Phys.Rev. C35, 591	87Ku02
	$^{28}\text{Si}(^{32}\text{S}, ^{36}\text{Ar})$	$E = 42-48.1$ MeV	JOUR Nucl.Phys. A463, 731	87Bi03
^{26}Mg	$^{26}\text{Mg}(p, p')$	$E = 5.3-6.1$ MeV	JOUR Nucl.Phys. A467, 511	87Do06
^{27}Mg	$^{25}\text{Mg}(t, p)$	$E = 3-12$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 722	87Bo16
	$^{27}\text{Al}(^7\text{Li}, ^7\text{Be})$	$E = 78$ MeV	JOUR Yad.Fiz. 45, 1236	87G105
^{28}Mg	$^{26}\text{Mg}(t, p)$	$E = 3-12$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 722	87Bo16
^{24}Al	$^{24}\text{Mg}(p, n)$	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{25}Al	$^{24}\text{Mg}(p, \gamma)$	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{26}Al	$^{25}\text{Mg}(p, \gamma)$	$E \approx$ resonance	JOUR Nucl.Phys. A467, 261	87En02
	$^{26}\text{Mg}(p, n)$	$E = 3.9-5.9$ MeV	JOUR Nucl.Phys. A467, 511	87Do06
	$^{26}\text{Mg}(p, n)$	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{23}\text{Na}(\alpha, n)$	$E = 5.3-6.1$ MeV	JOUR Nucl.Phys. A467, 511	87Do06
	$^{12}\text{C}(^{16}\text{O}, np)$	$E(\text{cm}) = 11-16$ MeV	JOUR Phys.Rev. C35, 1746	87Ar13
	$^{12}\text{C}(^{16}\text{O}, d)$	$E(\text{cm}) = 13.8-22.1$ MeV	JOUR Phys.Rev. C35, 1746	87Ar13
^{27}Al	$^{26}\text{Mg}(p, \gamma)$	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{13}\text{C}(^{16}\text{O}, np)$	$E(\text{cm}) = 11-16$ MeV	JOUR Phys.Rev. C35, 1746	87Ar13
	$^{13}\text{C}(^{16}\text{O}, d)$	$E(\text{cm}) = 13.8-22.1$ MeV	JOUR Phys.Rev. C35, 1746	87Ar13
	$^{16}\text{O}(^{16}\text{O}, X)$	$E(\text{cm}) = 8-13.8$ MeV	JOUR Phys.Rev. C35, 591	87Ku02
^{28}Al	$^{28}\text{Si}(^7\text{Li}, ^7\text{Be})$	$E = 78$ MeV	JOUR Yad.Fiz. 45, 1236	87G105
^{29}Al	$^{27}\text{Al}(t, p)$	$E = 3-12$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 722	87Bo16
^{27}Si	$^{28}\text{Al}(p, \gamma)$	$E = 0.05-0.15$ MeV	JOUR Astrophys.J. 320, 405	87Ra26
	$^{27}\text{Al}(p, n)$	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{28}Si	$^{27}\text{Al}(p, \gamma)$	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{27}\text{Al}(p, \gamma)$	$E = 200-360$ keV	JOUR Nucl.Phys. A477, 105	88T101
	$^{28}\text{Si}(p, p)$	$E = 40$ MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 51, 24	87Ro07
	$^{16}\text{O}(^{16}\text{O}, \alpha)$	$E = 12-20$ MeV	JOUR Phys.Rev.Lett. 58, 1512	87Ga03
	$^{16}\text{O}(^{16}\text{O}, X)$	$E(\text{cm}) = 8-13.8$ MeV	JOUR Phys.Rev. C35, 591	87Ku02
	$^{28}\text{Si}(^{32}\text{S}, ^{32}\text{S})$	$E = 42-48.1$ MeV	JOUR Nucl.Phys. A463, 731	87Bi03
^{29}Si	$^{27}\text{Al}(^3\text{He}, p)$	$E = 2-20$ MeV	JOUR Rep.Prog.Phys. 50, 1171	87Ho22
^{30}Si	$^{16}\text{O}(^{16}\text{O}, X)$	$E(\text{cm}) = 8-13.8$ MeV	JOUR Phys.Rev. C35, 591	87Ku02
^{28}P	$^{28}\text{Si}(p, n)$	$E = 7-9$ MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23

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RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{29}P	$^{28}\text{Si}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{29}\text{Si}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{30}P	$^{29}\text{Si}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{30}\text{Si}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{28}\text{Si}(t,n)$	$E=3-12\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 722	87Bo16
	$^{24}\text{Mg}(^{11}\text{B},n\alpha)$	$E=6-32\text{ MeV}$	JOUR Radiochim.Acta 43, 139	88Co12
	$^{25}\text{Mg}(^{11}\text{B},2n\alpha)$	$E=6-32\text{ MeV}$	JOUR Radiochim.Acta 43, 139	88Co12
	$^{26}\text{Mg}(^{11}\text{B},3n\alpha)$	$E=6-32\text{ MeV}$	JOUR Radiochim.Acta 43, 139	88Co12
	$^{16}\text{O}(^{16}\text{O},np)$	$E(\text{cm})=11-16\text{ MeV}$	JOUR Phys.Rev. C35, 1746	87Ar13
	$^{16}\text{O}(^{16}\text{O},d)$	$E(\text{cm})=13.8-22.1\text{ MeV}$	JOUR Phys.Rev. C35, 1746	87Ar13
	$^{16}\text{O}(^{16}\text{O},X)$	$E(\text{cm})=8-13.8\text{ MeV}$	JOUR Phys.Rev. C35, 591	87Ku02
^{31}P	$^{30}\text{Si}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{16}\text{O}(^{16}\text{O},X)$	$E(\text{cm})=8-13.8\text{ MeV}$	JOUR Phys.Rev. C35, 591	87Ku02
^{31}S	$^{31}\text{P}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{16}\text{O}(^{16}\text{O},X)$	$E(\text{cm})=8-13.8\text{ MeV}$	JOUR Phys.Rev. C35, 591	87Ku02
^{32}S	$^{31}\text{P}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{32}\text{S}(p,p)$	$E\leq 40\text{ MeV}$	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 51, 24	87Ro07
^{34}S	$^{30}\text{Si}(^6\text{Li},np)$	$E(\text{cm})=7.2\text{ } 13.3\text{ MeV}$	JOUR Phys.Rev. C35, 1746	87Ar13
	$^{30}\text{Si}(^6\text{Li},d)$	$E(\text{cm})=7.4.9.4\text{ MeV}$	JOUR Phys.Rev. C35, 1746	87Ar13
^{32}Cl	$^{32}\text{S}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{33}Cl	$^{32}\text{S}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{34}Cl	$^{32}\text{S}(t,n)$	$E=3-12\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 722	87Bo16
	$^{35}\text{Cl}(\alpha,n\alpha)$	$E=\text{threshold}-26\text{ MeV}$	JOUR Appl.Radiat.Isot. 39, 479	88Qa01
	$^{28}\text{Si}(^{11}\text{B},n\alpha)$	$E=6-32\text{ MeV}$	JOUR Radiochim.Acta 43, 139	88Co12
	$^{29}\text{Si}(^{11}\text{B},2n\alpha)$	$E=6-32\text{ MeV}$	JOUR Radiochim.Acta 43, 139	88Co12
	$^{30}\text{Si}(^{11}\text{B},3n\alpha)$	$E=6-32\text{ MeV}$	JOUR Radiochim.Acta 43, 139	88Co12
^{35}Ar	$^{35}\text{Cl}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{36}Ar	$^{35}\text{Cl}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{36}\text{Ar}(p,p')$	$E=0.9-3.3\text{ MeV}$	JOUR Nucl.Phys. A476, 316	88De03
^{37}K	$^{36}\text{Ar}(p,\gamma)$	$E=2.6-3.3\text{ MeV}$	JOUR Nucl.Phys. A476, 316	88De03
^{38}K	$^{35}\text{Cl}(\alpha,n)$	$E=15-30\text{ MeV}$	JOUR Appl.Radiat.Isot. 39, 97	88Gu01
	$^{35}\text{Cl}(\alpha,n)$	$E=\text{threshold}-26\text{ MeV}$	JOUR Appl.Radiat.Isot. 39, 479	88Qa01
	$^{28}\text{Si}(^{12}\text{C},np)$	$E(\text{cm})=13.8-22.1\text{ MeV}$	JOUR Phys.Rev. C35, 1746	87Ar13
	$^{28}\text{Si}(^{12}\text{C},d)$	$E(\text{cm})=7.2-13.3\text{ MeV}$	JOUR Phys.Rev. C35, 1746	87Ar13
^{39}Ca	$^{39}\text{K}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{40}Ca	$^{39}\text{K}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{40}\text{Ca}(p,p')$	$E\approx 10-40\text{ MeV}$	JOUR Phys.Rev. C37, 906	88Bo07
^{41}Ca	$\text{Ti}(p,X)$	$E=40-600\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B29, 275	87Fi11
	$\text{Fe}(p,X)$	$E=40-600\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B29, 275	87Fi11
	$\text{Ni}(p,X)$	$E=40-600\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B29, 275	87Fi11
^{42}Ca	$^{39}\text{K}(\alpha,p)$	$E=4.5-9\text{ MeV}$	JOUR Nucl.Phys. A475, 548	87Sc27
^{40}Sc	$^{40}\text{Ca}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{41}Sc	$^{40}\text{Ca}(p,\gamma)$	$E=640-3500\text{ keV}$	JOUR Nucl.Phys. A466, 280	87Zi02
	$^{40}\text{Ca}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{46}V	$^{46}\text{Ti}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{47}V	$^{46}\text{Ti}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23

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RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
⁴⁷ V	⁴⁷ Ti(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁴⁸ V	⁴⁷ Ti(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	⁴⁸ Ti(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁴⁹ V	⁴⁸ Ti(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁵¹ Cr	Ni(p,X)	E=10-100 MeV	JOUR At.Energ. 62, 411	87A129
	⁵⁹ Co(α,3np2α)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
⁵² Mn	⁵² Cr(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	⁵² Cr(p,n)	E=8-20 MeV	JOUR Phys.Rev. C35, 2067	87We05
	Cr(p,X)	E=6-27 MeV	JOUR Phys.Rev. C35, 2067	87We05
	Ni(p,X)	E=10-100 MeV	JOUR At.Energ. 62, 411	87A129
	⁵² Cr(d,2n)	E=6-27 MeV	JOUR Phys.Rev. C35, 2067	87We05
	⁵² Cr(d,2n)	E=8-20 MeV	JOUR Phys.Rev. C35, 2077	87Mu08
	⁵¹ V(α,3n)	E=10-120 MeV	JOUR J.Phys.(London) G13, 535	87Ra05
	⁵⁹ Co(α,3n2α)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
⁵³ Mn	⁵² Cr(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁵⁴ Mn	⁵¹ V(α,n)	E=10-120 MeV	JOUR J.Phys.(London) G13, 535	87Ra05
	⁵⁹ Co(α,n2α)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
	⁵⁹ Co(α,5n4p)	E=60 MeV	JOUR Pramana 30, 193	88Is01
⁵⁵ Mn	⁵⁵ Mn(p,p')	E=1.3-2 MeV	JOUR Czech.J.Phys. B38, 150	88St03
	⁵⁵ Mn(p,p')	E=1.3-2 MeV	JOUR Czech.J.Phys. B38, 741	88St14
⁵⁵ Fe	⁵⁵ Mn(p,n)	E=1.3-2 MeV	JOUR Czech.J.Phys. B38, 150	88St03
	⁵⁵ Mn(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	⁵⁵ Mn(p,n)	E=1.3-2 MeV	JOUR Czech.J.Phys. B38, 741	88St14
⁵⁶ Fe	⁵⁵ Mn(p,γ)	E=1.3-2 MeV	JOUR Czech.J.Phys. B38, 741	88St14
	⁵⁵ Mn(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	⁵⁵ Mn(p,γ)	E=1.3-2 MeV	JOUR Czech.J.Phys. B38, 150	88St03
⁵⁹ Fe	Cu(p,X)	E=10-100 MeV	JOUR At.Energ. 62, 411	87A129
	⁵⁹ Co(α,n3p)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
⁵⁴ Co	⁵⁴ Fe(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁵⁵ Co	⁵⁴ Fe(p,γ)	E=3-9 MeV	JOUR Yad.Fiz. 45, 614	87Sk03
	⁵⁴ Fe(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁵⁶ Co	⁵⁶ Fe(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	Ni(p,X)	E=10-100 MeV	JOUR At.Energ. 62, 411	87A129
	Cu(p,X)	E=10-100 MeV	JOUR At.Energ. 62, 411	87A129
	⁵⁹ Co(α,3nα)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
	⁵⁹ Co(α,5n2p)	E=60 MeV	JOUR Pramana 30, 193	88Is01
	Fe(α,xnp)	E≈4-90 MeV	JOUR J.Radioanal.Nucl.Chem. 120, 49	88De07
⁵⁷ Co	⁵⁶ Fe(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	⁵⁹ Co(p,2np)	E≤50 MeV	JOUR At.Energ. 62, 59	87Ba61
	Ni(p,X)	E=10-100 MeV	JOUR At.Energ. 62, 411	87A129
	Cu(p,X)	E=10-100 MeV	JOUR At.Energ. 62, 411	87A129
	⁵⁹ Co(α,2nα)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
	⁵⁹ Co(α,4n2p)	E=60 MeV	JOUR Pramana 30, 193	88Is01
	Fe(α,xnp)	E≈4-90 MeV	JOUR J.Radioanal.Nucl.Chem. 120, 49	88De07
⁵⁸ Co	⁵⁹ Co(p,np)	E≈25-50 MeV	JOUR At.Energ. 62, 59	87Ba61
	Ni(p,X)	E=10-100 MeV	JOUR At.Energ. 62, 411	87A129
	Cu(p,X)	E=10-100 MeV	JOUR At.Energ. 62, 411	87A129
	⁵⁹ Co(α,nα)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
	⁵⁹ Co(α,3n2p)	E=60 MeV	JOUR Pramana 30, 193	88Is01
	Fe(α,xnp)	E≈4-90 MeV	JOUR J.Radioanal.Nucl.Chem. 120, 49	88De07
	⁵⁸ Ni(⁷ Li, ⁷ Be)	E=78 MeV	JOUR Yad.Fiz. 45, 1236	87G105

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RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
⁶⁰ Co	⁵⁹ Co(α,n2p)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
	⁵⁹ Co(α,n2p)	E=60 MeV	JOUR Pramana 30, 193	88Is01
	Fe(α,xnp)	E≈4-90 MeV	JOUR J.Radioanal.Nucl.Chem. 120, 49	88De07
	⁶⁰ Ni(⁷ Li, ⁷ Be)	E=78 MeV	JOUR Yad.Fiz. 45, 1236	87G105
⁶² Co	⁶² Ni(⁷ Li, ⁷ Be)	E=78 MeV	JOUR Yad.Fiz. 45, 1236	87G105
⁶⁴ Co	⁶⁴ Ni(⁷ Li, ⁷ Be)	E=78 MeV	JOUR Yad.Fiz. 45, 1236	87G105
⁵⁸ Ni	Ni(p,X)	E=10-100 MeV	JOUR At.Energ. 62, 411	87A129
	⁵⁹ Co(α,6np)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
⁵⁷ Ni	Ni(p,X)	E=10-100 MeV	JOUR At.Energ. 62, 411	87A129
	⁵⁹ Co(α,5np)	E=10-120 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 484	87Ra08
	Ni(α,xnyp)	E=25-60 MeV	JOUR Nucl.Instr.Meth. Phys.Res. A263, 421	88Ch01
	⁵⁸ Ni(²⁸ Si, ²⁸ Si)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
	⁵⁸ Ni(²⁸ Si,X)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
⁵⁸ Ni	⁵⁸ Ni(³² S, ³² S)	E=94-112 MeV	JOUR Phys.Lett. 185, 15	87St06
	⁵⁸ Ni(³² S, ³² S')	E=94-112 MeV	JOUR Phys.Lett. 185, 15	87St06
	⁵⁸ Ni(³⁶ S, ³⁶ S)	E=94-112 MeV	JOUR Phys.Lett. 185, 15	87St06
	⁵⁸ Ni(³⁶ S, ³⁶ S')	E=94-112 MeV	JOUR Phys.Lett. 185, 15	87St06
⁵⁹ Ni	⁵⁹ Co(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁶⁰ Ni	⁵⁹ Co(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁶¹ Ni	⁶¹ Ni(p,p')	E=3.08-4.66 MeV	JOUR Nucl.Phys. A480, 162	88Ti03
	⁶² Ni(²⁸ Si, ²⁸ Si)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
	⁶² Ni(²⁸ Si,X)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
⁶² Ni	⁵⁹ Co(α,p)	E=5.07-9.8 MeV	JOUR Nucl.Phys. A483, 354	88Ti05
⁶³ Ni	⁶⁴ Ni(²⁸ Si, ²⁸ Si)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
	⁶⁴ Ni(²⁸ Si,X)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
⁶⁴ Ni	⁶⁴ Ni(³² S, ³² S)	E=94-112 MeV	JOUR Phys.Lett. 185, 15	87St06
	⁶⁴ Ni(³² S, ³² S')	E=94-112 MeV	JOUR Phys.Lett. 185, 15	87St06
	⁶⁴ Ni(³⁶ S, ³⁶ S)	E=94-112 MeV	JOUR Phys.Lett. 185, 15	87St06
	⁶⁴ Ni(³⁶ S, ³⁶ S')	E=94-112 MeV	JOUR Phys.Lett. 185, 15	87St06
⁵⁸ Cu	⁵⁸ Ni(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁵⁹ Cu	⁵⁸ Ni(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	⁵⁸ Ni(²⁸ Si, ²⁷ Al)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
	⁵⁸ Ni(³⁰ Si,X)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
⁶⁰ Cu	⁶⁰ Ni(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	Ni(p,X)	E=10-100 MeV	JOUR At.Energ. 62, 411	87A129
	Cu(p,X)	E=10-100 MeV	JOUR At.Energ. 62, 411	87A129
	Ni(α,xnyp)	E=25-60 MeV	JOUR Nucl.Instr.Meth. Phys.Res. A263, 421	88Ch01
⁶¹ Cu	⁶⁰ Ni(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	⁶¹ Ni(p,n)	E=1.05-3.98 MeV	JOUR Nucl.Phys. A480, 162	88Ti03
	Cu(p,X)	E=10-100 MeV	JOUR At.Energ. 62, 411	87A129
	⁵⁸ Ni(α,p)	E=4-30 MeV	JOUR Rep.Prog.Phys. 50, 1171	87Ho22
	Ni(α,xnyp)	E=25-60 MeV	JOUR Nucl.Instr.Meth. Phys.Res. A263, 421	88Ch01
⁶² Cu	⁶¹ Ni(p,γ)	E=1.05-3.98 MeV	JOUR Nucl.Phys. A480, 162	88Ti03
	⁵⁹ Co(α,n)	E=5.18-9.4 MeV	JOUR Nucl.Phys. A483, 354	88Ti05
⁶³ Cu	⁶² Ni(²⁸ Si, ²⁷ Al)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
	⁶² Ni(³⁰ Si,X)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
⁶⁴ Cu	⁶⁴ Ni(p,n)	E=4-30 MeV	JOUR Rep.Prog.Phys. 50, 1171	87Ho22
	Cu(α,X)	E≤40 MeV	JOUR Appl.Radiat.Isot. 38, 499	87Zw01

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RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
⁶³ Cu	⁶⁴ Ni(²⁸ Si, ²⁷ Al)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
	⁶⁴ Ni(³⁰ Si, X)	E(cm)=47-67 MeV	JOUR Phys.Rev. C35, 597	87La04
⁶⁰ Zn	⁶² Zn(p, t)	E=12 MeV	JOUR Phys.Rev. C37, 556	88Ca04
⁶¹ Zn	Ni(α, xnyp)	E=25-60 MeV	JOUR Nucl.Instr.Meth. Phys.Res. A263, 421	88Ch01
⁶² Zn	⁶⁴ Zn(p, t)	E=12 MeV	JOUR Phys.Rev. C37, 556	88Ca04
	Cu(p, X)	E=10-100 MeV	JOUR At.Energ. 62, 411	87A129
	Ni(α, xnyp)	E=25-60 MeV	JOUR Nucl.Instr.Meth. Phys.Res. A263, 421	88Ch01
⁶³ Zn	⁶³ Cu(p, n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	Cu(p, X)	E=10-100 MeV	JOUR At.Energ. 62, 411	87A129
⁶⁴ Zn	⁶³ Cu(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	⁶⁶ Zn(p, t)	E=12 MeV	JOUR Phys.Rev. C37, 556	88Ca04
⁶⁵ Zn	⁶³ Cu(α, xnyp)	E=40 MeV	JOUR J.Phys.Soc.Jpn. 56, 3135	87Ri09
	⁶⁵ Cu(α, xnyp)	E=40 MeV	JOUR J.Phys.Soc.Jpn. 56, 3135	87Ri09
	Cu(α, X)	E≤40 MeV	JOUR Appl.Radiat.Isot. 38, 499	87Zw01
⁶⁸ Zn	⁶⁸ Zn(p, t)	E=12 MeV	JOUR Phys.Rev. C37, 556	88Ca04
	⁶⁴ Zn(t, p)	E=35,52 MeV	JOUR Phys.Rev. C37, 556	88Ca04
⁶⁸ Zn	⁶⁶ Zn(t, p)	E=35,52 MeV	JOUR Phys.Rev. C37, 556	88Ca04
⁷⁰ Zn	⁶⁸ Zn(t, p)	E=35,52 MeV	JOUR Phys.Rev. C37, 556	88Ca04
⁷² Zn	⁷⁰ Zn(t, p)	E=35,52 MeV	JOUR Phys.Rev. C37, 556	88Ca04
⁶⁴ Ga	⁶⁴ Zn(p, n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁶⁵ Ga	⁶⁴ Zn(p, γ)	E=1.1-2.1 MeV	JOUR Nucl.Phys. A463, 605	87Vi01
	⁶² Zn(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	⁶³ Cu(α, xnyp)	E=40 MeV	JOUR J.Phys.Soc.Jpn. 56, 3135	87Ri09
	⁶⁵ Cu(α, xnyp)	E=40 MeV	JOUR J.Phys.Soc.Jpn. 56, 3135	87Ri09
⁶⁶ Ga	⁶³ Cu(α, xnyp)	E=40 MeV	JOUR J.Phys.Soc.Jpn. 56, 3135	87Ri09
	⁶⁵ Cu(α, xnyp)	E=40 MeV	JOUR J.Phys.Soc.Jpn. 56, 3135	87Ri09
	Cu(α, X)	E≤40 MeV	JOUR Appl.Radiat.Isot. 38, 499	87Zw01
⁶⁷ Ga	⁶⁹ Ga(³ He, nα)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
	⁶³ Cu(α, xnyp)	E=40 MeV	JOUR J.Phys.Soc.Jpn. 56, 3135	87Ri09
	⁶⁵ Cu(α, xnyp)	E=40 MeV	JOUR J.Phys.Soc.Jpn. 56, 3135	87Ri09
	Cu(α, X)	E≤40 MeV	JOUR Appl.Radiat.Isot. 38, 499	87Zw01
⁶⁸ Ga	⁶⁸ Zn(p, n)	E=4-30 MeV	JOUR Rep.Prog.Phys. 50, 1171	87Ho22
	⁶⁹ Ga(³ He, α)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
	⁶³ Cu(α, xnyp)	E=40 MeV	JOUR J.Phys.Soc.Jpn. 56, 3135	87Ri09
	⁶⁵ Cu(α, xnyp)	E=40 MeV	JOUR J.Phys.Soc.Jpn. 56, 3135	87Ri09
⁷² Ga	⁷¹ Ga(³ He, 2p)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
⁷³ Ga	⁷¹ Ga(t, p)	E=3-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 722	87Bo16
⁶⁷ Ge	⁴⁰ Ca(³² S, n4p)	E=80-130 MeV	JOUR Phys.Rev. C37, 645	88Ra06
	⁴⁰ Ca(³² S, n4p)	E=80-120 MeV	JOUR Phys.Rev. C37, 645	88Ra06
⁶⁸ As	⁴⁰ Ca(³² S, n3p)	E≈100-180 MeV	JOUR Phys.Rev. C37, 645	88Ra06
⁷⁰ As	⁷⁰ Ge(p, n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	⁶⁹ Ga(³ He, 2n)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
⁷¹ As	⁷⁰ Ge(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	⁶⁹ Ga(³ He, n)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05

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RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
⁷² As	⁷² Ge(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	⁷¹ Ga(³ He,2n)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
⁷³ As	⁷² Ge(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁷⁵ As	⁷⁵ As(t,d)	E=3-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 722	87Bo16
⁷² Se	⁷⁰ Ge(α,2n)	E=threshold-24 MeV	JOUR Rev.Roum.Phys. 32, 725	87Ca33
⁷³ Se	⁷⁵ As(p,3n)	E=25-55 MeV	JOUR Phys.Rev. C38, 645	88Qa02
	⁷⁵ As(d,4n)	E=13-27 MeV	JOUR Phys.Rev. C38, 645	88Qa02
	⁷⁰ Ge(α,n)	E=threshold-24 MeV	JOUR Rev.Roum.Phys. 32, 725	87Ca33
	⁷⁰ Ge(α,n)	E=13-24 MeV	JOUR Phys.Rev. C38, 645	88Qa02
⁷⁵ Br	⁷⁸ Kr(d,nα)	E=21.5 MeV	JOUR Appl.Radiat.Isot. 39, 709	88De24
⁷⁶ Br	⁷⁵ As(³ He,2n)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
⁷⁷ Br	⁷⁷ Se(p,n)	E≈2.8-3.5 MeV	JOUR Yad.Fiz. 48, 12	88Fe07
	⁷⁵ As(³ He,n)	E=2-12 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B18, 281	87Mi05
⁸¹ Rb	⁸² Kr(p,2n)	E≈ threshold-10 MeV	JOUR Radiochim.Acta 41, 111	87Qa02
	⁸⁵ Rb(p,4np)	E≈ threshold-40 MeV	JOUR Radiochim.Acta 41, 111	87Qa02
	⁸¹ Br(³ He,3n)	E≈50-70 MeV	JOUR Radiochim.Acta 41, 111	87Qa02
	Kr(³ He,xnp)	E=10-25 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
	⁷⁹ Br(α,2n)	E≈ threshold-40 MeV	JOUR Radiochim.Acta 41, 111	87Qa02
	Kr(α,xnp)	E=10-33 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
⁸² Rb	Kr(³ He,xnp)	E=10-25 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
	Kr(α,xnp)	E=10-33 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
⁸³ Rb	Kr(³ He,xnp)	E=10-25 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
	Kr(α,xnp)	E=10-33 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
⁸⁴ Rb	Kr(³ He,xnp)	E=10-25 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
	⁸⁵ Rb(α,nα)	E=20-60 MeV	JOUR J.Radioanal.Nucl.Chem. 119, 303	87Sa49
	Kr(α,xnp)	E=10-33 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
⁸⁶ Rb	Kr(³ He,xnp)	E=10-25 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
	Kr(α,xnp)	E=10-33 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
⁸² Sr	Kr(³ He,xn)	E≈10-35 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
	Kr(³ He,xn)	E=10-33 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
	Kr(α,xn)	E=10-25 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
⁸³ Sr	Kr(³ He,xn)	E≈10-35 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
	Kr(³ He,xn)	E=10-33 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
	Kr(α,xn)	E=10-25 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
⁸⁵ Sr	Kr(³ He,xn)	E≈10-35 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
	Kr(³ He,xn)	E=10-33 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
	Kr(α,xn)	E=10-25 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
⁸⁷ Sr	Kr(³ He,xn)	E=10-33 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
	Kr(α,xn)	E=10-25 MeV	JOUR Appl.Radiat.Isot. 39, 135	88Ta02
⁸⁶ Y	⁸⁵ Rb(α,3n)	E=20-60 MeV	JOUR J.Radioanal.Nucl.Chem. 119, 303	87Sa49
⁸⁷ Y	⁸⁵ Rb(α,2n)	E=20-60 MeV	JOUR J.Radioanal.Nucl.Chem. 119, 303	87Sa49
	Zr(α,X)	E=11,13,21-22.6 MeV	JOUR At.Energ. 60, 332	86Ko33
	Zr(α,X)	E=6.1-22.4 MeV	JOUR At.Energ. 60, 332	86Ko33
	Nb(α,X)	E=6.1-22.4 MeV	JOUR At.Energ. 60, 332	86Ko33
	Nb(α,X)	E=11,13,21-22.6 MeV	JOUR At.Energ. 60, 332	86Ko33
	Ta(α,X)	E=6.1-22.4 MeV	JOUR At.Energ. 60, 332	86Ko33
	Ta(α,X)	E=11,13,21-22.6 MeV	JOUR At.Energ. 60, 332	86Ko33

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RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
$^{88}\gamma$	$^{88}\text{Sr}(p,n)$	$E=7.3 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 119, 433	87Sh30
	$^{89}\text{Y}(p,np)$	$E=4.59-39.56 \text{ MeV}$	JOUR Phys.Rev. C38, 1624	88Mu18
	$^{87}\text{Sr}(d,n)$	$E=19.3 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 119, 433	87Sh30
	$^{87}\text{Rb}(^3\text{He},2n)$	$E=12.8 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 119, 433	87Sh30
	$^{85}\text{Rb}(\alpha,n)$	$E=16 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 119, 433	87Sh30
	$\text{Zr}(\alpha,X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Zr}(\alpha,X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha,X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha,X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha,X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha,X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
$^{90}\gamma$	$^{90}\text{Zr}(^7\text{Li},^7\text{Be})$	$E=78 \text{ MeV}$	JOUR Yad.Fiz. 45, 1236	87G105
$^{92}\gamma$	$^{92}\text{Zr}(^7\text{Li},^7\text{Be})$	$E=78 \text{ MeV}$	JOUR Yad.Fiz. 45, 1236	87G105
$^{94}\gamma$	$^{94}\text{Zr}(^7\text{Li},^7\text{Be})$	$E=78 \text{ MeV}$	JOUR Yad.Fiz. 45, 1236	87G105
^{89}Zr	$^{89}\text{Y}(p,2n)$	$E=4.59-39.56 \text{ MeV}$	JOUR Phys.Rev. C38, 1624	88Mu18
^{90}Zr	$^{89}\text{Y}(p,n)$	$E=4.59-39.56 \text{ MeV}$	JOUR Phys.Rev. C38, 1624	88Mu18
	$^{89}\text{Y}(p,n)$	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{89}\text{Y}(d,2n)$	$E<13.5 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 127, 7	88De19
	$\text{Zr}(\alpha,X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Zr}(\alpha,X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha,X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha,X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha,X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha,X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
^{90}Zr	$^{89}\text{Y}(p,\gamma)$	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{90}\text{Zr}(p,p)$	$E=3.9-5.7 \text{ MeV}$	JOUR Phys.Rev. C35, 1265	87La12
	$^{90}\text{Zr}(p,p')$	$E=1.9-5.7 \text{ MeV}$	JOUR Phys.Rev. C35, 1265	87La12
^{95}Zr	$\text{Zr}(\alpha,X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Zr}(\alpha,X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha,X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha,X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha,X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha,X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
^{90}Nb	$^{90}\text{Zr}(p,n)$	$E\leq 9 \text{ MeV}$	JOUR Yad.Fiz. 46, 28	87Sk06
	$^{90}\text{Zr}(p,n)$	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{93}\text{Nb}(\alpha,xn2p)$	$E\leq 90 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 121, 203	88Va14
	$^{93}\text{Nb}(\alpha,xn\alpha)$	$E\leq 90 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 121, 203	88Va14
^{91}Nb	$^{90}\text{Zr}(p,\gamma)$	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{90}\text{Zr}(p,\gamma)$	$E=2-7 \text{ MeV}$	JOUR Phys.Rev. C35, 1265	87La12
	$^{91}\text{Zr}(p,n)$	$E\approx 12-40 \text{ MeV}$	JOUR Phys.Rev. C38, 1601	88An11
	$^{93}\text{Nb}(\alpha,xn2p)$	$E\leq 90 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 121, 203	88Va14
	$^{93}\text{Nb}(\alpha,xn\alpha)$	$E\leq 90 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 121, 203	88Va14
	$\text{Zr}(\alpha,X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Zr}(\alpha,X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha,X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha,X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha,X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha,X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
^{92}Nb	$^{92}\text{Zr}(p,n)$	$E\leq 9 \text{ MeV}$	JOUR Yad.Fiz. 46, 28	87Sk06
	$^{93}\text{Nb}(\alpha,xn2p)$	$E\leq 90 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 121, 203	88Va14
	$^{93}\text{Nb}(\alpha,xn\alpha)$	$E\leq 90 \text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 121, 203	88Va14
	$\text{Zr}(\alpha,X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Zr}(\alpha,X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha,X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha,X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha,X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33

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RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
⁹² Nb	Ta(α,X)	E=6.1-22.4 MeV	JOUR At.Energ. 60, 332	86Ko33
⁹³ Nb	⁹³ Nb(α,xn2p)	E≤90 MeV	JOUR J.Radioanal.Nucl.Chem. 121, 203	88Va14
	⁹³ Nb(α,xna)	E≤90 MeV	JOUR J.Radioanal.Nucl.Chem. 121, 203	88Va14
	Zr(α,X)	E=6.1-22.4 MeV	JOUR At.Energ. 60, 332	86Ko33
	Zr(α,X)	E=11,13,21-22.6 MeV	JOUR At.Energ. 60, 332	86Ko33
	Nb(α,X)	E=11,13,21-22.6 MeV	JOUR At.Energ. 60, 332	86Ko33
	Nb(α,X)	E=6.1-22.4 MeV	JOUR At.Energ. 60, 332	86Ko33
	Ta(α,X)	E=11,13,21-22.6 MeV	JOUR At.Energ. 60, 332	86Ko33
	Ta(α,X)	E=6.1-22.4 MeV	JOUR At.Energ. 60, 332	86Ko33
⁹⁶ Nb	⁹⁶ Zr(p,n)	E≤9 MeV	JOUR Yad.Fiz. 46, 28	87Sk06
⁹³ Mo	⁹³ Nb(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁹⁴ Mo	⁹³ Nb(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁹² Tc	⁹² Mo(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁹³ Tc	⁹² Mo(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	⁹² Mo(p,γ)	E≤9 MeV	JOUR Yad.Fiz. 46, 28	87Sk06
⁹⁴ Tc	⁹⁴ Mo(p,n)	E≤9 MeV	JOUR Yad.Fiz. 46, 28	87Sk06
⁹⁵ Tc	⁹⁵ Mo(p,n)	E≤9 MeV	JOUR Yad.Fiz. 46, 28	87Sk06
	⁹⁵ Mo(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	⁹³ Nb(α,2n)	E=10-120 MeV	JOUR J.Phys.(London) G13, 535	87Ra05
	Zr(α,X)	E=6.1-22.4 MeV	JOUR At.Energ. 60, 332	86Ko33
	Zr(α,X)	E=11,13,21-22.6 MeV	JOUR At.Energ. 60, 332	86Ko33
	Nb(α,X)	E=6.1-22.4 MeV	JOUR At.Energ. 60, 332	86Ko33
	Nb(α,X)	E=11,13,21-22.6 MeV	JOUR At.Energ. 60, 332	86Ko33
	Ta(α,X)	E=11,13,21-22.6 MeV	JOUR At.Energ. 60, 332	86Ko33
	Ta(α,X)	E=6.1-22.4 MeV	JOUR At.Energ. 60, 332	86Ko33
⁹⁶ Tc	⁹⁵ Mo(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	⁹⁶ Mo(p,n)	E≤9 MeV	JOUR Yad.Fiz. 46, 28	87Sk06
	⁹³ Nb(α,n)	E=10-120 MeV	JOUR J.Phys.(London) G13, 535	87Ra05
⁹⁸ Tc	⁹⁴ Zr(⁷ Li,3n)	E=23-31 MeV	JOUR Phys.Rev. C36, 2330	87Bi21
¹⁰⁰ Tc	¹⁰⁰ Mo(p,n)	E≤9 MeV	JOUR Yad.Fiz. 46, 28	87Sk06
⁹⁷ Ru	¹⁰³ Rh(p,X)	E=23.3-67.1 MeV	JOUR Appl.Radiat.Isot. 38, 151	87La09
⁹⁶ Rh	⁹⁶ Ru(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
⁹⁷ Rh	⁹⁶ Ru(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
¹⁰⁴ Rh	¹⁰⁴ Ru(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
¹⁰⁵ Rh	¹⁰⁴ Ru(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
¹⁰⁰ Pd	¹⁰³ Rh(p,X)	E=23.3-67.1 MeV	JOUR Appl.Radiat.Isot. 38, 151	87La09
¹⁰⁷ Pd	¹⁰⁷ Ag(⁷ Li, ⁷ Be)	E=78 MeV	JOUR Yad.Fiz. 45, 1236	87G105
¹⁰⁹ Pd	¹⁰⁹ Ag(⁷ Li, ⁷ Be)	E=78 MeV	JOUR Yad.Fiz. 45, 1236	87G105
¹⁰⁴ Ag	¹⁰⁴ Pd(p,n)	E=5-9 MeV	JOUR Yad.Fiz. 47, 609	88Ba18
	Ag(α,X)	E≤90 MeV	JOUR J.Radioanal.Nucl.Chem. 121, 115	88Wa11
¹⁰⁵ Ag	¹⁰⁵ Pd(p,n)	E=5-9 MeV	JOUR Yad.Fiz. 47, 609	88Ba18
	¹⁰⁷ Ag(α,2na)	E≤50 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 480	87Si11
	¹⁰⁷ Ag(α,n2p)	E=60 MeV	JOUR Pramana 30, 193	88Is01
	Ag(α,X)	E≤90 MeV	JOUR J.Radioanal.Nucl.Chem. 121, 115	88Wa11

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RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{106}Ag	$^{106}\text{Pd}(p,n)$	$E=5-9\text{ MeV}$	JOUR Yad.Fiz. 47, 609	88Ba18
	$^{107}\text{Ag}(\alpha,n\alpha)$	$E\leq 50\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 480	87Si11
	$\text{Ag}(\alpha,X)$	$E\leq 90\text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 121, 115	88Wa11
^{108}Ag	$^{108}\text{Pd}(p,n)$	$E=5-9\text{ MeV}$	JOUR Yad.Fiz. 47, 609	88Ba18
	$\text{Ag}(\alpha,X)$	$E\leq 90\text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 121, 115	88Wa11
^{110}Ag	$^{110}\text{Pd}(p,n)$	$E=5-9\text{ MeV}$	JOUR Yad.Fiz. 47, 609	88Ba18
	$\text{Ag}(\alpha,X)$	$E\leq 90\text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 121, 115	88Wa11
^{111}Ag	$\text{Ag}(\alpha,X)$	$E\leq 90\text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 121, 115	88Wa11
^{107}Cd	$^{107}\text{Ag}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{108}Cd	$^{107}\text{Ag}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{109}Cd	$^{109}\text{Ag}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{109}\text{Ag}(p,n)$	$E=9\text{ MeV}$	JOUR J.Radioanal.Nucl.Chem. 117, 129	87Pa19
^{110}Cd	$^{109}\text{Ag}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{109}In	$^{107}\text{Ag}(\alpha,2n)$	$E\leq 50\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 480	87Si11
	$^{109}\text{Ag}(\alpha,4n)$	$E\leq 50\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 480	87Si11
^{110}In	$^{110}\text{Cd}(p,n)$	$E=5.2,5.6,6\text{ MeV}$	JOUR Nucl.Phys. A473, 471	87Kr15
	$^{107}\text{Ag}(\alpha,n)$	$E\leq 50\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 480	87Si11
	$^{109}\text{Ag}(\alpha,3n)$	$E\leq 50\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 480	87Si11
^{111}In	$^{111}\text{Cd}(p,n)$	$E\approx 9\text{ MeV}$	JOUR Yad.Fiz. 47, 978	88Ba13
	$^{111}\text{Cd}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{109}\text{Ag}(\alpha,2n)$	$E\leq 50\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B24/25, 480	87Si11
	$^{109}\text{Ag}(\alpha,2n)$	$E=60\text{ MeV}$	JOUR Pramana 30, 193	88Is01
^{112}In	$^{111}\text{Cd}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{114}In	$^{114}\text{Cd}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{115}In	$^{114}\text{Cd}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{114}\text{Cd}(p,\gamma)$	$E=3-9\text{ MeV}$	JOUR Yad.Fiz. 45, 614	87Sk03
^{113}Sn	$^{113}\text{In}(p,n)$	$E=9\text{ MeV}$	JOUR Yad.Fiz. 47, 978	88Ba13
	$^{113}\text{In}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{114}Sn	$^{113}\text{In}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{115}Sn	$^{115}\text{In}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{116}Sn	$^{115}\text{In}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{113}Sb	$^{112}\text{Sn}(p,\gamma)$	$E=3-9\text{ MeV}$	JOUR Yad.Fiz. 45, 614	87Sk03
^{116}Sb	$^{116}\text{Sn}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{117}Sb	$^{116}\text{Sn}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{118}Sb	$^{118}\text{Sn}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{119}Sb	$^{118}\text{Sn}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{119}\text{Sn}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{120}Sb	$^{119}\text{Sn}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{122}Sb	$^{122}\text{Sn}(p,n)$	$E=9\text{ MeV}$	JOUR Yad.Fiz. 47, 978	88Ba13
^{118}Te	$^{118}\text{Sn}(\alpha,2n)$	$E\approx 4-16\text{ MeV}$	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
	$^{118}\text{Sn}(\alpha,2n)$	$E=\text{threshold}-32\text{ MeV}$	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52

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RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
¹¹⁸ Te	¹¹⁷ Sn($\alpha, 3n$)	E=threshold-32 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
¹¹⁹ Te	¹¹⁶ Sn(α, n)	E=20-29 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
	¹¹⁶ Sn(α, n)	E=threshold-32 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
	¹¹⁶ Sn(α, n)	E=4-16 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
	¹¹⁷ Sn($\alpha, 2n$)	E=threshold-32 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
	¹¹⁷ Sn($\alpha, 2n$)	E=16-32 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
¹²¹ Te	¹²¹ Sb(p, n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	¹²¹ Sb(d, 2n)	E=20-29 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
	¹²¹ Sb(d, 2n)	E=29.3, 31.7 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
	¹¹⁸ Sn(α, n)	E=4-16 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
	¹¹⁹ Sn($\alpha, 2n$)	E=16-32 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
	¹²⁰ Sn($\alpha, 3n$)	E=16-32 MeV	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 52, 94	88Ba52
¹²² Te	¹²¹ Sb(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
¹²³ Te	¹²³ Sb(p, n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	¹²⁷ I(p, 3n2p)	E=60 MeV	JOUR Appl.Radiat.Isot. 38, 1087	87Ja13
	¹²⁴ Sn($\alpha, 5n$)	E=35-57 MeV	JOUR Z.Phys. A330, 69	88Ar09
¹²⁴ Te	¹²³ Sb(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	¹²⁴ Sn($\alpha, 4n$)	E=35-57 MeV	JOUR Z.Phys. A330, 69	88Ar09
¹²⁵ Te	¹²⁴ Sn($\alpha, 3n$)	E=35-57 MeV	JOUR Z.Phys. A330, 69	88Ar09
¹²⁶ Te	¹²⁴ Sn($\alpha, 2n$)	E=35-57 MeV	JOUR Z.Phys. A330, 69	88Ar09
¹²⁰ I	¹²³ Xe(p, α)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
¹²¹ I	¹²⁴ Xe(p, α)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
¹²² I	¹²⁶ Xe(p, n α)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
¹²³ I	¹²⁴ Xe(p, 2p)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
	¹²⁶ Xe(p, α)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
¹²⁴ I	¹²⁶ Xe(p, n2p)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
	¹²⁴ Te(d, 2n)	E=15 MeV	JOUR J.Radioanal.Nucl.Chem. 127, 143	88La15
¹²⁵ I	¹²⁶ Xe(p, 2p)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
	¹²⁹ Xe(p, n α)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
¹²¹ Xe	¹²⁷ I(p, 7n)	E=60 MeV	JOUR Appl.Radiat.Isot. 38, 1087	87Ja13
¹²² Xe	¹²⁴ Xe(p, 2np)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
¹²³ Xe	¹²⁴ Xe(p, np)	E=15-34 MeV	JOUR Radiochim.Acta 41, 1	87Fi08
	¹²⁴ Xe(p, np)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
	¹²⁷ I(p, 5n)	E=100 MeV	JOUR Radiokhimiya 29, 391	87Za11
	¹²⁷ I(p, 5n)	E=60 MeV	JOUR Appl.Radiat.Isot. 38, 1087	87Ja13
¹²⁵ Xe	¹²⁶ Xe(p, np)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
	¹²⁷ I(p, 3n)	E=100 MeV	JOUR Radiokhimiya 29, 391	87Za11
¹²⁷ Xe	¹²⁷ I(p, n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
¹²⁸ Xe	¹²⁷ I(p, γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
¹²³ Cs	¹²⁴ Xe(p, 2n)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
	¹²⁴ Xe(p, 2n)	E=15-34 MeV	JOUR Radiochim.Acta 41, 1	87Fi08
¹²⁵ Cs	¹²⁶ Xe(p, 2n)	E $\approx$ 15-30 MeV	JOUR At.Energ. 60, 337	86Zh08
¹³⁸ Ce	¹³⁹ La(p, 2n)	E=16-24.5 MeV	JOUR Nucl.Phys. A470, 266	87Lo12

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RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{139}Ce	$^{139}\text{La}(p,n)$	$E=5.5\text{ MeV}$	JOUR Phys.Rev. C38, 625	88Ch23
^{141}Pr	$^{144}\text{Nd}(p,\alpha)$	$E=25.35\text{ MeV}$	JOUR Phys.Rev. C37, 79	88Ga01
^{144}Sm	$^{144}\text{Sm}(^{16}\text{O},^{16}\text{O})$	$E=61-72.3$	JOUR Nucl.Phys. A471, 587	87Ki19
	$^{144}\text{Sm}(^{16}\text{O},^{16}\text{O}')$	$E=59-75\text{ MeV}$	JOUR Nucl.Phys. A471, 587	87Ki19
	$^{144}\text{Sm}(^{16}\text{O},X)$	$E=61-72.3$	JOUR Nucl.Phys. A471, 587	87Ki19
^{148}Sm	$^{148}\text{Sm}(^{16}\text{O},^{16}\text{O})$	$E=59-75\text{ MeV}$	JOUR Nucl.Phys. A471, 587	87Ki19
	$^{148}\text{Sm}(^{16}\text{O},^{16}\text{O}')$	$E=60-75\text{ MeV}$	JOUR Nucl.Phys. A471, 587	87Ki19
	$^{148}\text{Sm}(^{16}\text{O},X)$	$E=59-75\text{ MeV}$	JOUR Nucl.Phys. A471, 587	87Ki19
^{150}Sm	$^{150}\text{Sm}(^{16}\text{O},^{16}\text{O})$	$E=60-75\text{ MeV}$	JOUR Nucl.Phys. A471, 587	87Ki19
	$^{150}\text{Sm}(^{16}\text{O},^{16}\text{O}')$	$E=61-72.3$	JOUR Nucl.Phys. A471, 587	87Ki19
	$^{150}\text{Sm}(^{16}\text{O},X)$	$E=61-72.3$	JOUR Nucl.Phys. A471, 587	87Ki19
^{152}Sm	$^{152}\text{Sm}(^{16}\text{O},^{16}\text{O})$	$E=60-75\text{ MeV}$	JOUR Nucl.Phys. A471, 587	87Ki19
	$^{152}\text{Sm}(^{16}\text{O},^{16}\text{O}')$	$E=61-72.3$	JOUR Nucl.Phys. A471, 587	87Ki19
	$^{152}\text{Sm}(^{16}\text{O},X)$	$E=61-72.3$	JOUR Nucl.Phys. A471, 587	87Ki19
^{154}Sm	$^{154}\text{Sm}(^{16}\text{O},^{16}\text{O})$	$E=60-75\text{ MeV}$	JOUR Nucl.Phys. A471, 587	87Ki19
	$^{154}\text{Sm}(^{16}\text{O},^{16}\text{O}')$	$E=61-72.3$	JOUR Nucl.Phys. A471, 587	87Ki19
	$^{154}\text{Sm}(^{16}\text{O},X)$	$E=61-72.3$	JOUR Nucl.Phys. A471, 587	87Ki19
^{147}Eu	$^{147}\text{Sm}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{148}Eu	$^{147}\text{Sm}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{156}Tb	$^{156}\text{Gd}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{157}Tb	$^{156}\text{Gd}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{165}Tm	$^{165}\text{Ho}(\alpha,4n)$	$E=10-120\text{ MeV}$	JOUR J.Phys.(London) G13, 535	87Ra05
^{167}Tm	$\text{Yb}(p,xn)$	$E=65-100\text{ MeV}$	JOUR Radiokhimiya 29, 241	87Hg05
	$^{165}\text{Ho}(\alpha,2n)$	$E=10-120\text{ MeV}$	JOUR J.Phys.(London) G13, 535	87Ra05
^{178}Ta	$^{178}\text{Hf}(p,n)$	$E\leq 9.1\text{ MeV}$	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 913	86Ba84
	$^{178}\text{Hf}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{178}Ta	$^{178}\text{Hf}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{178}\text{Hf}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{180}Ta	$^{178}\text{Hf}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{180}\text{Hf}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{180}\text{Hf}(p,n)$	$E=6-9\text{ MeV}$	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 913	86Ba84
	$^{180}\text{Hf}(p,n)$	$E\leq 9.1\text{ MeV}$	JOUR Izv.Akad.Nauk SSSR, Ser.Fiz. 50, 913	86Ba84
^{181}Ta	$^{180}\text{Hf}(p,\gamma)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$\text{Zr}(\alpha,X)$	$E=6.1-22.4\text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Zr}(\alpha,X)$	$E=11,13,21-22.6\text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha,X)$	$E=6.1-22.4\text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha,X)$	$E=11,13,21-22.6\text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha,X)$	$E=11,13,21-22.6\text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha,X)$	$E=6.1-22.4\text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
^{182}Ta	$\text{Zr}(\alpha,X)$	$E=11,13,21-22.6\text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Zr}(\alpha,X)$	$E=6.1-22.4\text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha,X)$	$E=6.1-22.4\text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha,X)$	$E=11,13,21-22.6\text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha,X)$	$E=11,13,21-22.6\text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha,X)$	$E=6.1-22.4\text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
^{181}W	$^{181}\text{Ta}(p,n)$	$E=7-9\text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$\text{Zr}(\alpha,X)$	$E=6.1-22.4\text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Zr}(\alpha,X)$	$E=11,13,21-22.6\text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33

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RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
^{181}W	$\text{Nb}(\alpha, X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha, X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha, X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha, X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
^{182}W	$^{181}\text{Ta}(p, \gamma)$	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{181}Re	$^{181}\text{Ta}(\alpha, 4n)$	$E=60 \text{ MeV}$	JOUR Pramana 30, 193	88Is01
^{182}Re	$^{181}\text{Ta}(\alpha, 3n)$	$E=60 \text{ MeV}$	JOUR Pramana 30, 193	88Is01
^{183}Re	$^{183}\text{W}(p, n)$	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{181}\text{Ta}(\alpha, 2n)$	$E=60 \text{ MeV}$	JOUR Pramana 30, 193	88Is01
	$\text{Zr}(\alpha, X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Zr}(\alpha, X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha, X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha, X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha, X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha, X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
^{184}Re	$^{183}\text{W}(p, \gamma)$	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{181}\text{Ta}(\alpha, n)$	$E=60 \text{ MeV}$	JOUR Pramana 30, 193	88Is01
	$\text{Zr}(\alpha, X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Zr}(\alpha, X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha, X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Nb}(\alpha, X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha, X)$	$E=6.1-22.4 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
	$\text{Ta}(\alpha, X)$	$E=11,13,21-22.6 \text{ MeV}$	JOUR At.Energ. 60, 332	86Ko33
^{197}Pt	$^{187}\text{Au}(^7\text{Li}, ^7\text{Be})$	$E=78 \text{ MeV}$	JOUR Yad.Fiz. 45, 1236	87G105
^{194}Au	$^{194}\text{Pt}(p, n)$	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{197}\text{Au}(\alpha, 3n\alpha)$	$E=\text{threshold}-75 \text{ MeV}$	JOUR J.Phys.(London) G14, 931	88Si10
^{195}Au	$^{194}\text{Pt}(p, \gamma)$	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{195}\text{Pt}(p, n)$	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{198}Au	$^{195}\text{Pt}(p, \gamma)$	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{197}\text{Au}(d, 2np)$	$E=6.6-13.1 \text{ MeV}$	JOUR Chin.J.Nucl.Phys. 9, 48	87Lo07
	$^{197}\text{Au}(\alpha, n\alpha)$	$E=\text{threshold}-75 \text{ MeV}$	JOUR J.Phys.(London) G14, 931	88Si10
^{198}Au	$^{197}\text{Au}(d, p)$	$E=6.6-13.1 \text{ MeV}$	JOUR Chin.J.Nucl.Phys. 9, 48	87Lo07
	$^{197}\text{Au}(\alpha, n2p)$	$E=\text{threshold}-75 \text{ MeV}$	JOUR J.Phys.(London) G14, 931	88Si10
^{197}Hg	$^{197}\text{Au}(p, n)$	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	$^{197}\text{Au}(d, 2n)$	$E=6.6-13.1 \text{ MeV}$	JOUR Chin.J.Nucl.Phys. 9, 48	87Lo07
^{198}Hg	$^{197}\text{Au}(p, \gamma)$	$E=7-9 \text{ MeV}$	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
^{198}Tl	$^{197}\text{Au}(\alpha, 3n)$	$E=\text{threshold}-75 \text{ MeV}$	JOUR J.Phys.(London) G14, 931	88Si10
^{199}Tl	$^{197}\text{Au}(\alpha, 2n)$	$E=\text{threshold}-75 \text{ MeV}$	JOUR J.Phys.(London) G14, 931	88Si10
^{200}Tl	$^{197}\text{Au}(\alpha, n)$	$E=\text{threshold}-75 \text{ MeV}$	JOUR J.Phys.(London) G14, 931	88Si10
^{201}Tl	$\text{Pb}(p, xn)$	$E=65 \text{ MeV}$	JOUR Radiokhimiya 29, 247	87Za09
^{202}Tl	$\text{Pb}(p, xn)$	$E=65 \text{ MeV}$	JOUR Radiokhimiya 29, 247	87Za09
^{208}Tl	$^{208}\text{Pb}(^7\text{Li}, ^7\text{Be})$	$E=78 \text{ MeV}$	JOUR Yad.Fiz. 45, 1236	87G105
^{208}Pb	$^{208}\text{Pb}(d, np)$	$E\approx 10-250 \text{ MeV}$	JOUR Nucl.Phys. A485, 221	88Sr02
	$^{208}\text{Pb}(^3\text{He}, pd)$	$E\approx 10-250 \text{ MeV}$	JOUR Nucl.Phys. A485, 221	88Sr02
^{205}Bi	$\text{Pb}(p, X)$	$E=8.8-67.5 \text{ MeV}$	JOUR Appl.Radiat.Isot. 38, 129	87La08

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RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
²⁰⁶ Bi	Pb(p,X)	E=8.8-67.5 MeV	JOUR Appl.Radiat.Isot. 38, 129	87La08
²⁰⁷ Bi	²⁰⁷ Pb(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
²⁰⁸ Bi	²⁰⁷ Pb(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
	²⁰⁸ Pb(p,n)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
²⁰⁹ Bi	²⁰⁸ Pb(p,γ)	E=7-9 MeV	JOUR Nucl.Instr.Meth. Phys.Res. B28, 199	87Ra23
²¹⁰ Po	²⁰⁹ Bi(t,2n)	E=11.5-17 MeV	JOUR Phys.Rev. C38, 74	88Ma32
²¹⁹ Ra	²⁰⁸ Pb(¹⁴ C,3n)	E=60-78 MeV	JOUR Phys.Rev. C36, 2286	87Co36
²³² Th	²³² Th(¹⁶ O, ¹⁶ O)	E=80 MeV	JOUR Phys.Rev. C35, 1600	87Ta09
	²³² Th(¹⁶ O, ¹⁶ O')	E=80 MeV	JOUR Phys.Rev. C35, 1600	87Ta09
²³⁶ Np	²³⁸ U(p,3n)	E≈10-40 MeV	JOUR Yad.Fiz. 46, 700	87Ag06
	²³⁸ U(p,3n)	E≈10-40 MeV	JOUR Yad.Fiz. 46, 700	87Ag06
²³⁷ Np	²³⁸ U(p,2n)	E≈10-40 MeV	JOUR Yad.Fiz. 46, 700	87Ag06
²³⁸ Np	²³⁸ U(p,n)	E≈10-40 MeV	JOUR Yad.Fiz. 46, 700	87Ag06
	²³⁸ U(p,n)	E≈10-40 MeV	JOUR Yad.Fiz. 46, 700	87Ag06
²⁴⁴ Bk	²⁴⁹ Cf(¹⁶ O,X)	E=90-150 MeV	JOUR Phys.Rev. C36, 1820	87Ch30
²⁴⁵ Bk	²⁴⁹ Cf(¹⁶ O,X)	E=90-150 MeV	JOUR Phys.Rev. C36, 1820	87Ch30
²⁴⁶ Bk	²⁴⁹ Cf(¹⁶ O,X)	E=90-150 MeV	JOUR Phys.Rev. C36, 1820	87Ch30
²⁴⁸ Bk	²⁴⁹ Cf(¹⁶ O,X)	E=90-150 MeV	JOUR Phys.Rev. C36, 1820	87Ch30
²⁴⁷ Cf	²⁴⁹ Cf(¹⁶ O,X)	E=90-150 MeV	JOUR Phys.Rev. C36, 1820	87Ch30
²⁴⁸ Cf	²⁴⁹ Cf(¹⁶ O,X)	E=90-150 MeV	JOUR Phys.Rev. C36, 1820	87Ch30
²⁴⁸ Es	²⁴⁹ Cf(¹⁶ O,X)	E=90-150 MeV	JOUR Phys.Rev. C36, 1820	87Ch30
²⁴⁹ Es	²⁴⁹ Cf(¹⁶ O,X)	E=90-150 MeV	JOUR Phys.Rev. C36, 1820	87Ch30
²⁵⁰ Es	²⁴⁹ Cf(¹⁶ O,X)	E=90-150 MeV	JOUR Phys.Rev. C36, 1820	87Ch30
²⁵¹ Es	²⁴⁹ Cf(¹⁶ O,X)	E=90-150 MeV	JOUR Phys.Rev. C36, 1820	87Ch30
²⁵³ Es	²⁴⁹ Cf(¹⁶ O,X)	E=90-150 MeV	JOUR Phys.Rev. C36, 1820	87Ch30
²⁵⁰ Fm	²⁴⁹ Cf(¹⁶ O,X)	E=90-150 MeV	JOUR Phys.Rev. C36, 1820	87Ch30
²⁵¹ Fm	²⁴⁹ Cf(¹⁶ O,X)	E=90-150 MeV	JOUR Phys.Rev. C36, 1820	87Ch30
²⁵² Fm	²⁴⁹ Cf(¹⁶ O,X)	E=90-150 MeV	JOUR Phys.Rev. C36, 1820	87Ch30
	²⁵⁴ Es(¹⁸ O,X)	E=126 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵³ Fm	²⁴⁹ Cf(¹⁶ O,X)	E=90-150 MeV	JOUR Phys.Rev. C36, 1820	87Ch30
	²⁵⁴ Es(⁴⁸ Ca,X)	E=98 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵⁴ Fm	²⁴⁹ Cf(¹⁶ O,X)	E=90-150 MeV	JOUR Phys.Rev. C36, 1820	87Ch30
	²⁵⁴ Es(¹⁸ O,X)	E=126 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(⁴⁸ Ca,X)	E=98 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵⁵ Fm	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(⁴⁸ Ca,X)	E=98 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵⁶ Fm	²⁴⁹ Cf(¹⁶ O,X)	E=90-150 MeV	JOUR Phys.Rev. C36, 1820	87Ch30

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RESIDUAL	TARGET-REACTION	INCIDENT ENERGY	REFERENCE	KEY NUMBER
²⁵⁶ Fm	²⁵⁴ Es(¹⁸ O,X)	E=126 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(⁴⁸ Ca,X)	E=98 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵⁷ Fm	²⁵⁴ Es(¹⁸ O,X)	E=126 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(⁴⁸ Ca,X)	E=98 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵⁴ Md	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(⁴⁸ Ca,X)	E=98 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵⁵ Md	²⁵⁴ Es(¹⁸ O,X)	E=126 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(⁴⁸ Ca,X)	E=98 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵⁶ Md	²⁵⁴ Es(¹⁸ O,X)	E=126 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(⁴⁸ Ca,X)	E=98 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵⁷ Md	²⁵⁴ Es(¹⁸ O,X)	E=126 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(⁴⁸ Ca,X)	E=98 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵⁸ Md	²⁵⁴ Es(¹⁸ O,X)	E=126 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(⁴⁸ Ca,X)	E=98 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵⁸ Md	²⁵⁴ Es(¹⁸ O,X)	E=126 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁶⁰ Md	²⁵⁴ Es(¹⁸ O,X)	E=126 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵⁴ No	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵⁵ No	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵⁶ No	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵⁷ No	²⁵⁴ Es(¹⁸ O,X)	E=126 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵⁹ No	²⁵⁴ Es(¹⁸ O,X)	E=126 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(⁴⁸ Ca,X)	E=98 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵⁶ Lr	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵⁸ Lr	²⁵⁴ Es(¹⁸ O,X)	E=126 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁵⁹ Lr	²⁵⁴ Es(¹⁸ O,X)	E=126 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
	²⁵⁴ Es(²² Ne,X)	E=266 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50
²⁶⁰ Lr	²⁵⁴ Es(¹⁸ O,X)	E=126 MeV	JOUR Rev.Roum.Phys. 32, 597	87Ma50