**An Integrated System for Production of Neutronics
and Photonics Computational Constants**

Volume 2 Revision 2

**NEUTRON-INDUCED INTERACTIONS:
BIBLIOGRAPHY OF EXPERIMENTAL DATA**

M. H. MacGregor, D. E. Cullen, R. J. Howerton,
and S. T. Perkins

July 4, 1976

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UCRL-50400 Volume 2 Revision 2

NEUTRON-INDUCED INTERACTIONS: BIBLIOGRAPHY OF EXPERIMENTAL DATA

M. H. MacGregor, D. E. Cullen, R. J. Howerton, and S. T. Perkins

MS. date: July 4, 1976

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Foreword

The UCRL-50400 series describes an integrated and computer-oriented system for the production and application of neutronics and photonics calculational constants.

The system must supply reliable up-to-date data, select specific types of data on request, provide output in a variety of forms — ultimately in the form of input to other computer codes — and function rapidly and efficiently. The system has now been developed to a point where these goals are being realized.

The UCRL-50400 series, *An Integrated System for Production of Neutronics and Photonics Calculational Constants*, comprises the following volumes:

- Vol. 1 Rev. 3, *ECSIL, A System for Storage, Retrieval and Display of Experimental Neutron Data*, to be published in September 1976.
- Vol. 2 Rev. 2, *Neutron-Induced Interactions: Bibliography of Experimental Data*, July 1976.
- Vol. 3 Rev. 2, *Neutron-Induced Interactions: Index of Experimental Data*, July 1976.
- Vol. 4, *Evaluated Nuclear Cross-Section Library*, April 1971.
- Vol. 5, Rev. 1, *CLYDE: A Code for the Production of Calcula-*

tional Constants from Nuclear Data, September 1975.

- Vol. 6, Rev. 1, *Tables and Graphs of Photon Interaction Cross Sections from 1.0 keV to 100 MeV Derived from the LLNL Evaluated Nuclear Data Library*, October 1975.
- Vol. 7 Part A Rev. 1, *Major Neutron-Induced Interactions ($Z \leq 55$): Graphical, Experimental Data*, July 1976.
- Vol. 7 Part B Rev. 1, *Major Neutron-Induced Interactions ($Z > 55$): Graphical, Experimental Data*, July 1976.
- Vol. 8 Rev. 1 Part A, *Supplemental Neutron-Induced Interactions ($Z \leq 55$): Graphical, Experimental Data*, July 1976.
- Vol. 8 Rev. 1 Part B, *Supplemental Neutron-Induced Interactions ($Z > 55$): Graphical, Experimental Data*, July 1976.
- Vol. 9, *Thresholds of Nuclear Reactions Induced by Neutrons, Photons, Deuterons, Tritons, and Alpha Particles*, September 1970.
- Vol. 10, *Tabulated Experimental Data for Neutron-Induced Interactions*, July 1976.
- Vol. 11, *Experimental Data, Indexes and Techniques of Obtaining a Selected Set of*

- Neutron Resonance Parameters*, May 1972.
- Vol. 12, *An Atlas of Resolved Neutron Resonance Parameters*, July 1972.
- Vol. 13, *An Atlas of Unresolved Neutron Resonance Parameters*, September 1972.
- Vol. 14, *TARTNP: A Coupled Neutron-Photon Monte Carlo Transport Code*, July 1976.
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NEUTRON-INDUCED INTERACTIONS: BIBLIOGRAPHY OF EXPERIMENTAL DATA

Abstract

We present a tabulation of the bibliographic citations in the Experimental Cross Section Information Library (ECSIL) as of July 4, 1976. The tabulation has three arrangements: alphabetically by author, alphabetically by publication, and numerically by reference number.

Introduction

In 1958, Lawrence Livermore Laboratory (LLL) installed a computerized system for the storage and retrieval of experimental neutron-interaction data. This Experimental Cross Section Information Library has developed gradually and is still being improved.

The present ECSIL system¹ comprises two separate files: a numerical data file and a bibliographic information file. The two files are linked through the use of a four-digit number uniquely assigned to each reference.

In 1959 and 1960, LLL published tabulations of integrated and differ-

ential neutron cross sections below 15 MeV. Since that time, the number of entries in the system has increased by more than an order of magnitude. Consequently, the current library contains too much data (over 1.6 million data points) to publish tabulations; the resulting volumes would be prohibitively expensive and bulky. However, by presenting the data in graphs^{2,3} and on microfiche,⁴ we can significantly reduce expense and bulk. Moreover, bulk reduction means that indexes⁵ and bibliographies can be added to help in data manipulation.

Bibliographic Indexes

This volume contains three indexes to the current bibliographic file:

- *Author Citations* arranges authors alphabetically, with

associated reference numbers to data sets in which authors appear. A positive reference number indicates a primary

reference and a negative reference number a secondary or cross reference. An asterisk following the reference number indicates first author for the reference.

- *References Ordered Alphabetically* arranges references and cross references in alphabetic order, with associated reference number, year, and authors. A positive reference number indicates a primary reference and a negative reference number a secondary or cross reference.

- *References Ordered Numerically* shows the contents of the bibliographic file, including all primary and secondary references and associated text describing the experimental setup, normalization, etc. It also includes a brief index to the data associated with the experiment. This brief index has a single line for each target and reaction, describing: target, energy range (MeV), number of points, reaction, and quantity measured.

Relationship to Other Volumes

The bibliographic indexes are closely related to other volumes in the UCRL-50400 series. These indexes can be used to determine whether a given reference is included in the ECSIL system and which experimental data are associated with the reference. The following volumes provide other paths to the information:

- *Volume 1* describes the format and conventions associated with the library as well as the supporting system of programs. It also gives the forms (e.g., plots and listings) and the order in which data and bibliographic information may be obtained.

- *Volume 3* lists data indexes that may be used to determine the data in the library for a given isotope or reaction.
- *Volume 7* presents graphs of all total, elastic, capture, and fission integral cross sections. It also supplies data on $\bar{\nu}$ (neutrons/fission), α (capture/fission ratio), and η (neutrons/nonelastic event).
- *Volume 8* presents graphs of all other integrated (as opposed to angular distribution) cross sections, including (n,n') , (n,α) , etc

- *Volume 10* contains the ECSIL library contents tabulated on microfiche.
- *Volume 11* lists indexes and tabulated resonance parameters in ECSIL.
- *Volume 12* lists tabulated selected resolved resonance parameters.
- *Volume 13* lists tabulated selected unresolved resonance parameters.

Production of Tables

Program ECSPop¹ produced the tables in this volume. This program required a single noninteractive pass through the ECSIL data and bibliographic libraries.

Such a pass, using 5.3 min of CDC-7600 time, produced a single roll of 35 mm film containing all tables in correct order, ready for photo-offset printing.

Corrections and Suggestions

Users of these volumes have been a major aid in detecting and reporting erroneous data that have crept into ECSIL. They have also suggested improvements in the format and scope of these volumes. Please communicate

all corrections and suggestions to:

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Nuclear Data Section at Vienna, Austria; and the Nuclear Data Center at Obninsk, USSR. The National Neutron Cross Section Center has routinely supplied us with experimental data collected at the four centers.

Many experimenters have furnished us with their data before publication.

To them, especially, we offer our grateful thanks. Finally, we would like to express our sincere gratitude to Violet Gamble and Sally Mooney

for their efforts in maintaining the bibliographic file and to Kenneth Hill for ensuring that the numerous computer runs were satisfactorily completed.

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Appendix:

ECSIL Conventions

The ECSIL data system describes experimental neutron-induced cross sections and related information by indicating:

- *Target.* The ZA number describes the target. There are several special conventions. For example, A is set at zero for elemental mixtures. For compounds, the Z of the element that appears first in the molecular formula is used, and A is defined as 300 plus the molecular weight (e.g., H_2O is assigned $Z = 1$ and $A = 318$). For unstable targets, the longest-lived isomer is assigned the ZA number of the target. Short-lived isomers are assigned the Z of the target, and A is defined as 600 plus the atomic weight of the target (e.g., ^{242g}Am is assigned $Z = 95$ and $A = 842$). See Table 1 for a complete list of compounds and special isotopes.
- *Interaction.* A numerical equivalent is used to designate the interaction: total, elastic, capture, etc. In ECSIL, this numerical equivalent becomes the basic C number. Table 2

gives a complete list of all basic C numbers.

- *Interaction Property.* A numerical equivalent designates the interaction properties that are measured, such as cross section, angular distribution, or energy distribution. In ECSIL, this numerical equivalent becomes the C-increment number. The total C number used to describe the interaction and its property is the sum of the C-number increment and the basic C number [e.g., 11 indicates the total (n,n') cross section, while 311 indicates the (n,n') secondary neutron energy spectrum]. Table 3 gives a complete list of all C-number increments. Table 4 lists miscellaneous quantities not included in the basic C-number, C-number-increment scheme.
- *Interaction Modifier.* A numerical equivalent is used to further qualify or describe the interaction. This quantity indicates conditions such as target temperature, the cross section for excitation of one or more levels of the residual

nucleus, and the cross section for production of one or more photons. In ECSIL, this numeri-

cal equivalent becomes the S number. Table 5 gives a complete list of all S numbers.

Table 1. Compounds and special isotopes (assigned ZA's).

Assigned ZA number	Material	Assigned ZA number	Material
1302	H ₂ (gas)	14360	SiO ₂
1308	H ₂ O	16364	SO ₂
1320	D ₂ O	22349	TiH _{0.6}
5370	B ₂ O ₃	22350	TiH _{1.9}
6328	C ₂ H ₄	2646C	Fe ₂ O ₃
6331	CH ₃ OH	27660	60mCo
6376	C ₆ H ₆	40391	ZrH _{0.63}
6384	C ₆ H ₁₂	40392	ZrH _{0.98}
6386	C ₆ H ₁₄	40393	ZrH _{1.5}
6392	C ₃ H ₈ O ₃	40394	ZrH _{1.98}
6404	C ₈ H ₈	40395	Zircaloy-2
6492	C ₁₀ H ₈ O ₄	40423	ZrO ₂
6652	C ₂₅ H ₅₂	52723	123mJe
7328	N ₂ (gas)	60636	Nd ₂ O ₃
7355	NH ₄ Cl	61748	148gPm
7398	NH ₄ Br	82999	RADIO-Pb
7445	NH ₄ I	92570	UO ₂
8332	O ₂ (gas)	95842	242gAm
12340	MgO	95844	244gAm
13402	Al ₂ O ₃	99854	254mEs

Table 2. Basic reaction designator (basic C).

Basic C number	Cross-section type	Basic C number	Cross-section type
1	Total	25	(n,X) charged-particle emission
2	Elastic	26	(n,p)
3	Nonelastic	27	(n,Xp)
4	Neutron emission (elastic + nonelastic)	28	(n,d)
5	Total scattering (inelastic + elastic)	29	(n,Xd)
6	Neutron nonelastic emission	30	(n,t)
7	Removal	31	(n,Xt)
8	—	32	(n, ^3He)
9	—	33	(n, X ^3He)
10	—	34	(n, α)
11	(n, n')	35	(n, X α)
12	(n, 2n)	36	Activation
13	(n, 3n)	37	(n, 2 α)
14	(n, n'p)	38	—
15	(n, n'd)	39	—
16	(n, n't)	40	—
17	(n, n', ^3He)	41	Bound atom
18	(n, n', α)	42	Free atom
19	(n, 4n)	43	Coherent scattering
20	—	44	Incoherent scattering
21	Absorption	45	Potential scattering
22	(n, fission)	46	$\bar{\nu}_p$, prompt neutrons per fission (average)
23	(n, γ)	47	$\bar{\nu}_d$, delayed neutrons per fission (average)
24	(n, X γ) gamma-ray production	48	η , neutrons produced per nonelastic
		49	α , capture-to-fission ratio

Table 3. Reaction designator increments (C increment).

C increment number	Reaction property (units)	Definition
0	Integrated cross sections (b) or related parameters σ	
50	Spectrum-averaged cross sections (b)	$\bar{\sigma}$
100 ^a	Angular distributions (b/sr)	$\sigma(E, \theta)$
200	Energy distributions (b/MeV)	$\sigma(E, E')$
250 ^a	Angular distributions integrated between fixed angular limits (b)	$\sigma(E, \theta_{\min}, \theta_{\max})_{\text{lab}}$
300 ^a	Differential energy distributions (b/sr MeV)	$\sigma(E, E', \theta)_{\text{lab}}$
350 ^a	Partial distributions integrated between fixed energy and angular limits (b)	$\sigma(E, E'_{\min}, E'_{\max}, \theta_{\min}, \theta_{\max})_{\text{lab}}$
400	Energy distributions integrated between fixed energy limits (b)	$\sigma(E, E'_{\min}, E'_{\max})$
450 ^a	Legendre expansion of angular distributions - $g_L(E)$ (dimensionless)	$\sigma(E, \theta) = \sigma(E) \sum_{L=0}^{\infty} \frac{2L+1}{4\pi} g_L(E) P_L(\cos\theta)$
500	Resonance integrals (b)	$R.I. = \int_{E_{\min}}^{E_{\max}} \sigma(E) \frac{dE}{E}$
550 ^a	Polarization (dimensionless)	$P(E, \theta)$
600 ²	Partial distributions integrated between fixed-energy limits (b/sr)	$\sigma(E, E'_{\min}, E'_{\max}, \theta)_{\text{lab}}$
650 ^a	Partial distributions integrated between fixed angular limits (b/MeV)	$\sigma(E, E', \theta_{\min}, \theta_{\max})_{\text{lab}}$
850	C/S ratios (dimensionless)	
900	Miscellaneous quantities	See Table 4

^a Angular distributions for all unique two-body reactions are expressed in the center-of-mass system. Multibody reactions are expressed in the laboratory frame of reference.

Table 4. Reaction designator for miscellaneous quantities.

C	Spectra parameters				
901	Nuclear temperature, nonelastic (excluding fission)				
902	Nuclear temperature, total nonelastic				
903	Nuclear temperature, fission				
904	Nuclear temperature, inelastic (first neutron)				
905	Nuclear temperature (second neutron)				
Thermal parameters					
911	Thermal scattering law, $S(\alpha, \beta)$				
Average resonance parameters					
941	$\bar{D}_{\text{observed}}$	944	$\bar{\Gamma}_n^2$		
942	$\bar{\Gamma}_\gamma$	945	$\bar{D}_\lambda$		
943	$\bar{\Gamma}_f$	946	$\bar{S}_\ell$		
Resolved resonance parameters					
951	E_o (energy only)	966	$g\Gamma_n$	981	$\sigma_o \Gamma_f / \Gamma_t$
952	J, π	967	$g\Gamma_n^o$	982	$\sigma_o \Gamma_\gamma / \Gamma_t$
953	ℓ	968	$g\Gamma_\gamma$	983	$\sigma_o \Gamma_a / \Gamma_t$
954	g	969	Γ_n / Γ_t	984	$\sigma_o \Gamma_\gamma \Gamma_f / \Gamma_t$
955	σ_o	970	Γ_a / Γ_t	985	$\sigma_o \Gamma_f^2 / \Gamma_t$
956	Γ_t	971	Γ_γ / Γ_t	986	$g\Gamma_\gamma \Gamma_n / \Gamma_t$
957	Γ_n	972	Γ_n / Γ_a	987	$2g\Gamma_n^2 / \Gamma_t$
958	Γ_n^o	973	Γ_f / Γ_t	988	$\Gamma_t^2 \sigma_o$
959	Γ_γ	974	Γ_f / Γ_a	989	$g\Gamma_n^o \Gamma_f$
960	Γ_f	975	Γ_γ / Γ_f	990	$g\Gamma_f \Gamma_n / \Gamma_t$
961	Γ_a	976	$\Gamma_t \sigma_o$	991	$\sigma_o \Gamma_f \Gamma_t$
962	Γ_α	977	$\Gamma_f \sigma_o$	992	$\Gamma_n^o \Gamma_f / \Gamma_t$
963	Γ_p	978	$\Gamma_\gamma \sigma_o$	993	$g(\Gamma_n)^2$
964	$g\Gamma_n^1$	979	$\Gamma_n \sigma_o$	994	$g\Gamma_n \Gamma_\gamma$
965	$g\Gamma_n^2$	980	$\sigma_o \Gamma_n / \Gamma_t$		

Table 5. Reaction designator modifier^a (S number).

S number	Modification (units)
1	Level excitation (MeV)
2	Isomer production (sec)
3	Isomer production (min)
4	Isomer production (hr)
5	Isomer production (d)
6	Isomer production (yr)
7	Photon production (MeV)
8	Unresolved level excitation (MeV)
9	Material temperature (K)
10	Unresolved photon production (MeV)
11	Spin state (dimensionless)
12	Isotope bound in material (dimensionless)
13	Oriented crystal (Miller number)
14	Electron production (MeV)
20	Transmission measurement (b/atom)

^aY + 80 indicates relative distribution.

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AALDIJK

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	59	60*	72	80	ALFORD, W.L.	670	770	-770*	1801
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ANDERSSON-LINDSTROM, G.	460*	586			* ASZTALOS, V.	3989			
ANDORSSON, I.O.	-1051*				* ATEN, JR., A.H.W.	1741	1777		
ANDREEV, M.F.	4476*				* ATKINSON, J.H.	1566*			
ANDREEV, V.N.	754*	1338*	2223*		* ATOUJI, M.	1408*	2635*	2845*	3444*
ANDRIEFSSE, C.D.	3767*				* AUCHAMPAUGH, G.F.	998*	-943*	1013	1082*
ANDROSENKO, K.H.D.	4044*					1083*	-1083	1084	1117
ANGELI, I.	2074*	3102	3300*	3815*		-1117	1219	1252	3109*
ANGELI, J.	3250*					3236*	3615		
ANIKIN, G.V.	1257	3404*			* AUCLAIR, J.M.	237*	968*	-968*	1127*
ANIKINA, M.P.	339	1414	2235*	2684	* AUGUSTSON, R.H.	1654	2281	3165	3492*
ANTOLKOVIC, B.	224*	1613*	1614*	1831*	* AUGUSTYNIAK, W.	3954*	3986*	4010*	4012*
	2008	2427	-2890*	3282*	* AUMAN, M.	3188*			
ANTONOV, A.V.	2940*				* AUSTIN, S.M.	694*	1169	1664*	
ANTONOV, G.P.	580*				* AVERCHENKOV, V.Y.A.	581*			
ANUFRIENKO, V.B.	1908*	1932	2535	4081	* AVES, R.	752			
ANWAR, A.	4014				* AVIGNON, P.	1818*			
APERS, O.J.	2700*				* AXEL, P.	2640			
APOSTOLESU, ST.	1928*	3859			* AXMANN, H.P.	3209	3924		
ARAI, E.	3731*	3752*			* AXTON, E.J.	1072	1504		
ARAMONILIZ, J.	3987	3988*			* AYAO, S.	3756			
ARSO, J.	3121				* AYRE, C.A.	3618	3620		
ARCHER, N.P.	1885				* BABCOCK, R.V.	634*	1089*		
ARINO, H.	2645*				* BABENKO, YU.A.	2111*			
ARMANI, R.J.	3190				* BACHINGER, R.	3358*			
ARMITAGE, B.H.	787*	1377*	1736*		* BACON, D.E.	2831*			
ARMITAGE, F.G.	3287*				* BACON, JR., E.G.	1786*			
ARMSTRONG, A.H.	25	125*	145*	464	* BACSO, J.	749	2136*	3293*	3993
	1633*	2335*			* BAERO, A.P.	661*	1163	2627*	
ARNELL, S.E.	3663	3698	3711	3712	* BACRTSCHI, P.	3913			
	3714	3715*			* BAGDASAROV, R.E.	3415			
ARNOLD, A.	1709*				* BAOGEE, E.	2619			
ARNOLFI, D.M.	1791*				* BAILEY, C.L.	174*	178		
ARNOLD, G.P.	928*	1275	3242		* BAILEY, R.L.	395			
ARNOLD, J.R.	2699*				* BAIN, C.A.R.	3869*			
ARNOLD, M.	1609*				* BAIR, J.K.	114	121	263	264
ARON, P.M.	1735*	2235				322	394	484	678
ARTHUR, E.D.	3544					791	1625		
ARTYUKOV, G.Y.	363				* BAK, M.A.	1423	2193*	4030	
ARUTYUNOV, M.G.	2435				* BAK, Z.T.	7336*			
APYA, A.P.	1710*	2777			* BAKER, A.R.	2782*			
ASAMI, A.	1852	2893*	3040*	3761	* BAKR, C.P.	2611			
	3908	3935*			* BAKHBU, H.	859	860		
ASAMI, T.	1877	3733	3767	3769*	* BAKOV, A.T.	3425*			
ASDENTE, M.	2857*				* BALAGNA, J.P.	3464			
ASGHAR, M.	409*	1345*	1353*	1355*	* BALDINGER, E.	2417*			
	1734*	1949*	2453	2464*	* BALDOCK, C.R.	1189	2661	2722	2724
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BALDOCK, C.R.	2725	2956			BARYSHNIKOV, A.I.	363			
BALL, W.F.	23	24*	319	356	BASAR, I.	2880*			
BALLAL, P.R.	592*	1749*			BASHKIN, S.	185*	2407*		
BALLINI, R.	3281				BASS, R.	469*	477	733*	735*
BALLY, D.	994					742	782	1629*	1684*
BALODIS, M.K.	915*	2198*	2429*			1717*			
BAME, JR., S.J.	2737*	3213*			BASSE-CATHALINAT, B.	1913			
BAMPTON, P.F.	524*	525*			BASTON, A.H.	1463	2147	2269	2400
BANDL, R.C.	1865	2600			BATALIN, V.A.	870			
BANFORD, A.P.	3656*	3904			BATCHELOR, R.	215*	744	752*	841*
BANICK, C.J.	1578					1264*	1274*	2598*	2821*
BANTA, H.E.	195	-195	2104		BATTAT, M.E.	86*	172	295*	532*
BARANOVSKY, V.I.	269				BAUDINET-ROBINET, Y.	1630*	1635		
BARCHUK, I.F.	2671				BAUER, A.A.	3235*			
	1044	4032*	4037*	4039*	BAUER, R.W.	761*	947*	952*	3619
BARCLAY, F.R.	4091*	4092*	4093*		BAUMANN, N.P.	193*	1310*	-1310*	2525
BARDOLLE, G.	1184*	1369*			BAUMGARTNER, E.	33*	621	1903	
BARDSLEY, S.	971	2081*			BAYARD, R.T.	-2109			
BARFORD, N.C.	-1114	1481	-2148		SAYBARZ, R.D.	-797	-3062*	3141	
BARI, A.	853*				BEYER, R.	3276*	3277*		
BARNARD, E.	2707	3150	3832*		BAYHURST, B.P.	588*	1232	2207	3561
	-885*	1265*	1267*	1546*		3890*			
	2038*	2515	3128*	3283*	BAYLY, J.O.	426*			
	3295*	3301	3990	3991	BAZAVOV, D.A.	4032	4037	4039	
	4013				BEACH, P.L.	1669*	1679*		
BARNES, B.K.	3844				BEAUCHAMP, R.K.	815			
BARNES, J.W.	943*	2081	3561*		BEAUFOUR, M.	3798	3946		
BARNES, R.F.	1115	1517	1978	1980	BECKER, R.L.	90	106	141*	208
	2980*					2850*			
BARON, E.	1368*				BECKER, W.	3648			
BARR, D.W.	359*	2101*			BECKSTRAND, D.F.	3244*			
BARRALL, R.C.	2050*	2354*	2711*		BECKURTS, K.H.	-1547	2734*	2932	
BARRES, D.E.	3340*				BECDAR, F.	3134*			
BARROWS	2321*				BEDA, A.O.	864*			
BARRY, J.F.	626*	627*	712*	721*	BEEMAN, M.W.	2615*			
	838	842*	1401*	1631*	BEER, C.	3709			
	1931*	1954*			BEER, M.	2264	2317*	2344	3082
BARSCHELL, H.H.	47	48*	49	50		3084	3090		
	52*	58	59	61	BEETS, C.	1835*			
	62*	67	72*	81	BEGG, K.	-1009	2233*	2767*	
	103	141	172*	257*	BEGGOS, W.C.	2214*			
	314	568	663	682	BEGHIAN, L.E.	41*	212*	284	301
	694	1505	1617	1747		1833*	1970*	2337*	3243
	3166	3187				-3243	3519		
BARTHOLOMEW, G.A.	2500	2572*	2800*	2613*	BEGZHANOV, R.B.	2455*			
	2914*	3036*	-3036		BEHOF, A.F.	852			
BARTHOLOMEW, R.M.	2560*	2627			BEHRENDT, A.	2891			
BARTLE, C.M.	3597*				BEHRENS, J.H.	3619*	3953	3954*	
BARTOLINI, W.	2654*				BEHRINGER, K.	510			
BARTOLOME, Z.M.	640	2842	3003	3092*	BEIL, H.	777			
BARTON, D.M.	1168	1216*	1263*	2100	BELANOVA, T.S.	363	364*	633*	1364*
	3947				BELCHER, I.T.	3923			
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BELJAEV, F.N.	4055*				BERRERETH, J.R.	3520*			
BELL, R.E.	2653*				BERRY, J.O.	943			
BELL, R.J.	641*	856*			BERRY, P.J.	2851			
BELLER, L.S.	1935*				BERTHELOT, F.C.	330			
BELLONI, M.G.	915				BERTHET, H.	2872*			
BELOV, L.M.	2363*	4088			BERZINS, G.J.	3529			
BELOV, V.N.	1518				BESHAU, S.F.	3659*			
BELYKH, G.V.	4032	4037	4039	4091	BESLID, M.	3859			
	4092	4093			BESPALOV, O.O.	-1293			
BEMIS, JR., C.E.	2102	3233*	3250*	3323	BETHE, H.A.	1383*	-1446*	-1448*	-1450*
	3616					-1451*			
BENDT, P.J.	1567	2049*			BETIN, YU.P.	1729			
BENENSON, R.E.	280				BEUZIT, P.	3443*			
BENEYSKII, B.A.	1729*	1859*	-1859*		BEVINGTON, P.R.	889	1043	1049	1254
BENISZ, J.	1767*					1756			
BENJAMIN, R.H.	942*	1713	1724	1725	BEYSTER, J.R.	122*	151*	286	565
	1728	1730	1733*	5252*		1025*	1383	-1448	-1449
	3497	3622*				-1450	-1451	1947*	2512*
BENKAMI, A.N.	2192*				BEZOTOSNYI, V.M.	1839*			
BENNETT, E.W.	517*				BHAT, M.R.	203*	2263	2264	2301*
BENNETT, M.J.	3517*					2317	2344*	3077*	3082
BENNETT, R.A.	2570					-3082*	3084	3089	3090
BENNETT, W.E.	174	176				-3113			
BENOIST, P.	2863*				BIANCHI, O.	1853*	1951	2003	2114*
BENSON, R.E.	3547*					2218*	2604	-3118	
BENTLEY, W.C.	1140	1179	1182	1187*	BIANCHINI, F.G.	2221	3852*		
	1195				BICHSEL, H.	392*	523		
BENVENISTE, J.	583*	595*	605*	1723*	BIDINOSTI, D.R.	2689*			
BENZI, V.	-2890				BIEL, W.	2346*	2810		
BEREZIN, A.A.	608*	610			BIELEWICZ, J.	4010			
BERGEN, D.H.	190*	-190*	943	-943	BIGGERS, W.A.	163			
	-1061	-1061*	2209*	-2394	BIGGERSTAFF, J.A.	-335*	-925*	997*	-998*
	3109	3236	3256			2123	2418	3081*	
BERGERE, R.	1017				BIGHAM, C.B.	1163	1164*	1175*	1311
BERGMAN, A.A.	2000*	3315	3401*	4045*		1429*	1452*	2426	2520*
BERGQVIST, I.	1407*	2418*	3194	3359*	BILBIN, L.P.	2915			
	3351*	3446*	3662	3713	BILLAUD, P.	1882	2300		
	3716				BILLEREY, R.	1330*			
BERGSTRAHL, T.	174	176			BILPUCH, E.G.	1555	1769		
BERGSTROM, A.	1634					169	508*	719	720*
BERICK, A.C.	2582*					723	726	727*	728*
BERKO, S.	1036*	1268				736	737	747	751*
BERMAN, B.L.	1336	3594*				819*	827*	855*	1048
BERNABEI, A.	2237*					1226	2342*	3638	
BERNARD, D.L.	2113*	3541*			BINDHARDT, C.	1629			
BERNARD, W.	1215				BINGHAM, C.R.	3885			
BERNSTEIN, S.	437*	873	2311	2459	BIRD, J.R.	1009*	2294*	2303*	2431
	2466	2490	2665*			3081			
BERRETH, J.R.	360	797	1103*	1308	BIRGOL, O.	2521*			
	-1309	-1309	1344	1387	BIRJUKOV, N.S.	404*			
	1387	1392*	2097*	2098	BIRK, H.	420*			
	2886	2908*	2965	-3062	BIRO, T.	1896*			
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BISCHOF, J.	3817*				BOLDEMAN, J.W.	3278*	3879	3880	4005
BISL, A.	2857				BOLLINGER, L.M.	54*	138	160*	238*
BISTLINE, J.	1432					366*	369*	470	498*
BIZZETI, P.G.	585*					548*	548	859	936*
BIZZETI-SONA, A.M.	585					936	940*	953	960
BJORNSTAD, Y.	3898*					1015	1021*	1115	1245
BLAIR, I.M.	3923					1247*	1295	1774	1786*
BLAIR, J.M.	57*					1823	1824*	1898	1987*
BLAISE, S.	1134*					2023*	2133	2134*	2307*
BLANC, O.	2586					2309*	2399	2498	2546*
BLASER, W.	3913*				BOLLMANN, H.	801*			
BLATCHLEY, D.E.	1898				BOLODRN, K.E.	3884*			
BLEVINS, E.L.	1441				BOLOTIN, H.H.	2439*	2497	2540*	2549*
BLINOV, H.V.	1122	1322	2363		BOLOTSKII, V.P.	4086*			
BLOCK, A.	2547	3118			BOLSHOV	2081*			
BLOCK, R.C.	143	325*	385	534	BOMYER, P.	1270			
	640*	718*	923*	931*	BONAZZOLA, O.C.	1658*	1687*	1744*	1765*
	935*	939*	944*	948*		1848*			
	948*	987	1001	1481	BOND, JR., A.H.	3882			
	2082	2106	2106	2234*	BONDARENKO, I.I.	993	1000	1121	1188
	2239	2292	2379*	2383*		1447*			
	2405	2405*	2411*	2495	BONDARENKO, V.A.	2737			
	2496	2503*	2514	2545	BONDELID, R.O.	153*	532		
	2552*	2894	2942	2985	BONJUSHKIN, E.K.	4028			
	3003	3085*	3092	3092*	BONNEL, C.	1603*			
	3096	3108	3112	3155	BONNER, B.E.	1882*	3456		
	3157	3343	3552	3586	BONNER, T.W.	2	21*	107	116*
	3887	3897*	3909			130	392	477	505*
BLOMEKE, J.O.	1185					523	540*	641	733
BLONS, J.	604	1349	1963*	3119		735	742	782	783
	3125*	3125*	3126*	3126*		800	896	1451*	1752
	3204*	3900	3920			2412*			
BLOOM, S.O.	96	146			BOOKER, D.V.	2928			
BLONER, M.	3320*				BOOTH, A.H.	1177			
BLONER, H.O.	131*	401*			BOOTH, R.	23*	24	319	350
BOBYR, V.V.	1046	1888*	1997			307	582		
BOCA, I.	1526	1526*	2900*		BORBELY, I.	3824*			
BOCCIALINI, M.	585				BORCEA, C.	3291*			
BOCHKAREV, V.N.	1708*				BOREL, I.	385			
BOCKELMAN, C.K.	48	49	50*	51	BORINO, J.W.	688*			
	52	58	63*	67	BORMANN, H.	417*	440	562*	588*
	72*	80	314	568		713*	843*	843*	899
	2485					1670	1682*	1683*	1788*
BOCKHOFF, K.H.	1394*	1534	3612	3643*		1800*	1814*	2051	2208*
BOD, L.	3223	3223				2505*	2588*	2691*	2804*
BODIN, P.	2642					2695	2698	3539*	3742*
BODAN, L.M.	2134				BOPCHISZA-PAUSPERTL, P.	749	2345	2388	2836
BUGART, D.	2750*	2840	3254			3368*			
BOODANOV, A.P.	3416*				BORONA, P.N.	3423			
BOICE, J.D.	3112				BOROVLEV, S.P.	4055	4088		
BOKHAREE, S.	3071				BORST, L.B.	437	2237	2442*	2487
BOLDEMAN, J.W.	1417*	1417*	1543*	1711*	BORZA, A.	3291			

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BOSCHUNG, P.P.	2359*	2989	3214*		BROCKHOUSE, B.N.	2591	2638		
BOSTROM, C.O.	2306				BRODA, E.	3797			
BOSTROM, N.A.	383*	422*	579*	684*	BRODER, D.L.	3899			
BOUCHEZ, R.	1719*	2031*			BROECKER, B.	2873			
	1627	1540	1659*	1665*	BROLLEY, JR., J.E.	2120*	2602*		
	2585*	-2585	-3105*	-3105*	BROOKS, F.D.	874*			
	3927				BROOKSBANK, JR., W.A.	1403*			
BOUZAK, J.	2558*	2559*			BROSE, M.	717*	865*	1787*	1845*
BOHALL, E.	2562	2728			BROSI, A.R.	3386*	-3386*	4029*	4048*
BOHLEN, P.H.	283*	789*	1261*	-1514*	BROSTE, W.B.	1573*			
	1563	-1563*	1692	2015	BROTH, P.	63*	124*	125	1585*
	3923				BROVET, P.	1011*	1223*	-1223*	1352*
BOWES, O.C.	661				BROWN, F.	2453	3037	3301	3869
BOWEY, E.M.	803	2431*			BROWN, G.	2702*	2838*		
BOHMAN, C.D.	508	719	728	736	BROWN, J.R.	288*	2734	2932*	
	747*	855	898	1013*	BROWN, L.C.	2686	2852*	2954	
	1082	-1083	1084*	1117*	BROWN, L.J.	3458			
	-1117	1219*	1233	1252*	BROWN, P.H.	7800			
BOHMAN, H.P.	1530	2912			BROWN, R.J.	1848			
	386	1147	1149	1180*	BROWNE, J.C.	166*	428	838*	1010
	1204	3198			BROWNE, J.D.	1163	2756*	2875*	2909*
BOYCE, D.A.	2089*	3699			BUEHLER, R.J.	847*			
BOYD, A.W.	1604	2875*			BUEHLER, A.	954			
BOYD, G.E.	2740				BUEHLER, M.R.	2103			
BOYD, H.W.	856*				BUEHLER, R.M.	3529			
BRACCI, A.	2830*				BRUNE, D.	3887*			
BRADBURY, J.N.	984*				BRUNHART, G.	889*			
BRADLEY, B.	1782				BRUNN, W.K.	-787	943	-1061	-1061*
BRADY, F.P.	2761	3151*	3186	3456	BROWNE, J.C.	-3062	3496		
	3571*				BROWNE, J.D.	3594			
BRADJOVIC, V.M.	1763*				BUEHLER, R.J.	2830			
BRADLEY, J.E.	575*				BUEHLER, A.	1179*	1503		
BRAMBLETT, R.L.	1336				BUEHLER, M.R.	3724*			
BRAMLITT, E.T.	756*	757*	3169*		BUEHLER, R.M.	552*			
BRANDENBERGER, J.D.	1764	2371	2588	2693	BRUNE, D.	129	134	243*	304*
	2749	2763	3582*	3583	BRUNHART, G.	-1249	1788		
	3585	3586			BRUNN, W.K.	3352*			
BRATENNAHL, A.	22*	673	1748*		BRUNN, W.K.	1346	2246	2252*	2259*
BREDIN, D.J.	1743*				BRUNN, W.K.	2449	3042	3076*	3128*
BREITENHUBER, L.	937*	3335*			BRUNN, W.K.	3627			
BREITING, D.	3728*				BRUNN, W.K.	1553*	1875		
BRESFATI DEL TURCO, A.M.	1895*	2210	2211	2675	BUCCINO, S.G.	2225	2304*	2305*	2504*
BRESCHI, M.	1895	2210*	2211*	2675*	BUCHANAN, P.S.	2195*	2189*	2887*	-2887*
BRESSANI, T.	1687	1744			BUCHANAN, R.F.	-2887*	3821*		
BRETTON, C.	-968				BUCHANAN, W.P.	3527*			
BRETTON, D.	1521				BUCCHINO, S.G.	1254*	1756		
BRETSCHER, E.	311*				BUCHANAN, P.S.	942	1042	1730	1732*
BREUNLICH, W.	1428	2531*			BUCHANAN, R.F.	2887	3501		
BRIDGES, H.S.	3384				BUCCHINO, S.G.	510			
BRILL, J.O.D.	2798				BUCCHINO, S.G.	637	3257*	3488*	3614
BRILL, T.	608*				BUCCHINO, S.G.	3633*			
	916*				BUCCHINO, S.G.	1542*	1895		
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BUGORKOV, S.S.	1735	CAPPELLANI, F.	2210 2211
BUKAREV, V.A.	2217*	CAPRON, P.C.	2700
BUKLANDOV, G.V.	4051	CARETTO, A.A.	590 -590
BUNCE, J.L.	712 1401	CARLES, C.	373*
BUNKER, M.L.	124 2313	CARLOS, P.	777
BUNKER, S.N.	3527	CARLSON, A.D.	1531* -1531* -1531* 1747*
BURGUS, H.H.	255 410 1486*		2268 2512 2516* 2745
BURGY, T.T.	234 2791*		2752 2855 3063* -3063
BURROWS, T.H.	3347*		-3063 3137* -3137* 3259
BURSON, S.B.	-3212*		3519 3953* 3954
BURYMOV, E.M.	4078*	CARLSON, G.W.	389*
BUTA, A.	3291	CARLSON, R.R.	1965*
BUTEMENT, F.D.S.	2864*	CARPENTER, R.T.	2019*
BUTLER, D.K.	569* 591* 1081* -1081*	CARRARO, G.	2399*
	1334*		2205 3039 3061* -3115
BUTLER, J.P.	375 376* 659* 1150*		3127* 3601 3602* 3603
	1348* 1846 2065 2066	CARRE, J.C.	1491*
	2860* 3480 3516 3637	CARRILLO, L.P.	2839*
BUTTNER, H.	843	CARROLL, H.	2787*
BYERS, D.H.	-1061*	CARROLL JR., E.E.	978*
BYSTROV, L.N.	2393*	CARSTENS, W.	2888
CABE, J.	455* 971* 1683* 1737*	CARTER, H.O.	2127
	2061 2433* 3795* 3796	CARTER, R.E.	1383
	3797 3798 3799* 3945*		-1448 -1448 -1450
	3946	CARTER, R.S.	-1451*
CABELL, H.J.	423* 438* 1131* 1163		467* 809* 862 981*
	1312* 1883* 2717* 2962*	CARTER, W.W.	1300 1415 1460
	3922* 3929* 3930* 3931*	CASSOLA, R.L.	1132
	3943*	CASSON, M.	1646 1669 1679
CAMN, JR., A.T.	1421 1461*	CASTRO MADERO, C.	232*
CALDWELL, J.T.	1336	CATRON, H.C.	3874*
CALDWELL, R.L.	1704*		7 593* 594 693*
CALLAGHAN, J.E.	1896		1821
CALLERAME, J.	3888*	CAUVIN, B.	3135*
CALLINAN, D.	1416	CAVANAGH, P.E.	2089
CALVI, G.	419* 478*	CENTER, B.	2928
CAMARDA, H.S.	3059* -3059*	CERBONE, R.J.	3547
	3116* 3121 3140* 3555	CERINEC, M.	2518
	3556	CERVENA, J.	687* 1613 1633 2690
	1811* -2586	CEULEMANS, W.	3276 3277
CAMBOU, F.	1483		1357 1905 2236 2254*
CAMERON, A.E.	1710		2470* 2945 3035* 3065
CAMPBELL, D.L.	118		3111 3649
CAMPBELL, E.C.	2124*	CEVOLANI, M.	108*
	438 2755 2800 2814	CH'ENG LING-YEN	2144*
CAMPION, P.J.	-3036	CHAFFEY, C.M.	409 -400 1355 1849
CANCE, M.	2577* 3795 3796* 3797*		2360 2838
CANSOY, C.	3798* 3901* 3945 3946	CHALMERS, R.A.	415 1843 2422 2770
CAO, M.G.	2178 3668 3669*	CHAMBERLAIN, O.	1588*
CAPLAR, R.	1536* 1544*	CHAMBERN, B.	1555*
CAPPO, P.	3953 737 2409	CHAMPION, P.J.	1164
		CHANDRA MOLESHWAR, K.	2743
		CHANG PEI-SHU	1284
		CHANG, C.C.	2355 3282
		CHAPMAN, N.G.	1896
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CHAPMAN, R.A.	134				* CHUNG, L-S.	1126*			
CHARON, J.	-1127*				* CHUNG, Y.C.	1579*			
CHARPIE, R.A.	1422				* CHURSIN, G.P.	868	1870*	2183*	2184
CHASE, JR., L.F.	415	646*	2422		* CHUVILO, I.V.	1596	1600		
CHATTERJEE, A.	1056*	2058*	-2058*	2203	* CHWASZCZEWSKA, J.	3819			
CHATTERJEE, M.L.	821*				* CIERJACKS, S.	417	562	713	2093
CHAUBEY, A.K.	867*	1788*	2392*	2856	* CINDRO, N.	2517*	-2517*	3061*	3328
CHAUDHURI, R.	2882				* CINDRO, N.	3330	3651	3800*	
CHAUDRY, M.S.	4014				* CINDRO, N.	702	1680*	1975	2036
CHAZAN, N.	1723				* CLAIR, C.	3963			
CHEIFETZ, E.	2456*	3188*			* CLARKE, R.L.	1330			
CHELNOKOV, I.E.	608	610			* CLARKE, R.L.	27	475	652*	845
CHELNOKOV, V.B.	3315*	4045			* CLARKE, R.L.	1008	-1008	2341*	2582
CHERNYSHOV, A.A.	956				* CLASS, C.M.	453			
CHESTOZOVNOV, S.R.	2388				* CLAYTON, E.D.	1385*			
CHEWELTON, P.L.	1817	-1817	-1817*	1872	* CLEGG, A.B.	1684			
	-1878	1923	3118		* CLEMENT, J.C.	3157	3158		
CHI-FONG AI	4009*				* CLEMENT, J.C.	308			
CHIAVASSA, E.	1687	1744	1765	1848	* CLEMENT, J.M.	3163	3181	3237	
CHIEN, J.P.	-885*	2943*	3288	-3288	* CLEMENT, J.W.	3181			
	3289				* CLEMENTS, P.J.	3332	3701*		
CHIJIYA, M.	3734				* CLIKEMAN, F.M.	3243	-3243	3519	
CHIKOV, N.	3391	3402			* CLINE, J.E.	255*	2859		
CHILD, H.R.	3545				* COATES, M.S.	3801*	3805*		
CHIRKIN, V.A.	3428	3883			* COCEVA, C.	2618*	2930	3038*	3778
CHISTYAKOV, L.V.	2378	3421	4044			3781			
CHITTENDEN, II, D.M.	679*				* COCHRAN, D.R.F.	124	1482*		
CHO, M.	3067*				* COCKIND, S.J.	434*	1280*	2348*	2825
CHOUNACKI, S.	1910*				* CODDING, JR., J.W.	1309	-1309	-1309	2944
CHOPPIN, G.R.	1148*	1472			* COETZEE, N.	3990*	3991*		
CHOU, J.-C.	4009				* COHEN, A.V.	36*	743*		
CHOU, M.-C.	-2365	3950			* COHEN, S.G.	35*	2458		
CHOU, M.-T.	-3282				* COHEN, V.W.	42			
CHOY DEN SOR	3395				* COHN, H.O.	271*	322	384	484
CHRIEN, R.E.	203	465	730	880		489	678*	845*	1642
	1191	1836	2007*	2041*		3088			
	2072	2094	2173*	2245	* COIN, A.	1017			
	2263	2264	2267	2293*	* COLGUTZ, J.	3375*			
	2317	2344	2382	2414*	* COLE, G.W.	-3113	3114	3500	3576
	2439	2460*	2497*	2504	* COLEMAN, C.F.	2089			
	2540	2549	2667	3071*	* COLEMAN, R.F.	521	550*	626	745
	3077	3079	3082	-3082	* COLES, R.E.	3793*	3794	3826*	3828*
	3084	3086	3089*	3090	* COLL, L.	468*	849*	1760*	2053*
	3113	-3113	3114	3131*	* COLLIE, C.M.	1053	2931		
	3134	3142	3152	3459*	* COLLINS, E.R.	254*	2471		
	3500	3565	3576*	3955*	* COLLINS, T.L.	1150			
CHRISTENSEN, L.J.	761				* COLMER, F.C.W.	1623*			
CHRISTENSEN, R.L.	2484*				* COLMIN, J.	1853	2114	2219	
CHUAN, C.X.	530*				* COLVIN, D.H.	1053*	1071	1085*	3878*
CHULIUS, V.F.	753				* COMERA, J.	2577			
CHULKOV, V.V.	4090				* COMPAIGNER, A.	3707			
CHUNG, K.C.	2371*	2588	2749	2763*	* CONART, J.F.	2899*	3159*		

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CONDE

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CONDE, H.	1075	1087*	1138*	1138*	COTE, R.E.	-548*	936	-936*	940
	1166	1319*	-1319*	1335*		1015*	1115*	1247	1516*
	1378*	1379	1497	-1497*		1774	1823*	1900	1979*
	1539	1632	2509*	2862		2133	2134	2215	2307
	3333*	3395*	3710	3717		2309	2423*	2498*	2539*
	3882*					2543	2546	2606*	3016
CONJEAUD, M.	1766*					3083			
CONNER, A.L.	943				COUCHHELL, G.P.	3564	3844	3889	
CONNER, J.P.	269*	324*			COURTEHANACHE, R.	2369*			
CONNOLLY, T.J.	270				COHAN, G.A.	1232*	2207*		
CONNOR, J.C.	2109*	-2109*			COX, A.E.	1053			
CONRAD, C.A.	2086	2772	-2772	2884	COX, A.J.	3351			
	2886*	3253			COX, G.C.	283	1261	-1514	-1563
CONSTANTINESCU, M.	1989	3073	3074	3280	COX, J.M.	1692	2015	3923	
CONWAY, D.E.	1442*	1443*			COX, S.A.	3442*	3847		
COOK, C.F.	107*					680*	705	1020*	-1020*
COOK, C.H.	545*	575	639			1151	1334	1554	1706*
COOK, H.D.	1443					1755*	1986*	2069*	3546*
COOK, L.S.	286*				CRAIG, D.S.	1113*	1388*		
COOK, W.S.	3010				CRAMER, D.S.	3248	3827*		
COOKSON, J.A.	3938*				CRAMER, J.D.	943	-1061	1488*	2273*
COON, J.H.	81*	171	187*	403*		-2394*			
	532	556*	568*	1585	CRANBERG, L.	77*	105	345*	397*
	2798*					418*	451*	476*	499
COOP, K.L.	1686	1698	1952	2117		500	503*	532	555
COOPER, D.I.	795					691	815*	1645	1971*
COOPER, G.S.	1455*					1973	3248	3827	
COOPER, J.R.	3178	3508			CRANE, W.W.T.	66	1142*	1144	1147*
COOPER, P.N.	3351					1204*			
COOPER, W.A.	1162				CRANSTON, F.P.	1790*			
COOPS, M.S.	1082	-1053	1084	1210	CRAVEN, B.M.	2621*			
	1335	-1387	1522		CRAVEN, C.W.	2514	3155		
COOR, T.	87	2056*			CRAVEN, J.H.	2567			
COPELEY, L.A.	1005*	2150			CRAWFORD, G.I.	3895	393E		
COPPENS, P.	3454*				CREEK, G.E.	2311			
COPPOLA, M.	265*	1899	2591	2592	CRISTENSEN, J.J.	947			
	2593*	2898	3206	3645	CRISTU, M.I.	3860	3861*	3862*	
	3788				CROCKER, I.H.	1282			
COUGE, C.	881	994	999*	1853	CROCKER, V.S.	181*			
	1951	2003	2114	2119	CROSS, P.	1072			
	2218	2282*	2287	2295*	CROSS, W.G.	475*	631*	845	1008*
	2485*	2604*	2617	3032*		1009*	-1009*	2320*	2331
	-3118				CROUCH, M.F.	2752			
CORK, B.	-3160	3620			CROWDEN, J.B.	1214			
CORMACK, A.M.	2189				CRUIKSHANK, A.J.	-1313*	1314*		
CORNISH, F.W.	1206*	2961			CRUMPTON, D.	3351*			
CORNMAN, W.R.	195*	-195*			CRUTCHFIELD, JR., P.W.	729			
CORREIA, J.A.	3590				CSIKAI, J.	372*	749*	-749*	1672*
CORVI, F.	2453*	2618	3039	3779		-1672*	1675*	1695*	1918*
	3781*	3907*				2009*	2136	-2136	2212*
COSTELLO, D.G.	2268	2745	2752	-3063		2708*	2762*	3293	3294*
COTE, R.E.	246*	366	470*	499		3300	3302	3303*	3304*
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CSIKAI, J.	3815	3850	3989	3993	DAVYDOV, A.V.	3313	3432		
	3996				DAWSON, W.K.	3825	3830	3833	
CUBITT, R.L.	524	525			DAY, R.B.	11	140*	274*	345
CUER, P.	2820*					532	666*	765*	835*
CULKOWSKI, A.	-1239					1950*			
CULLER, V.	39*	282*			DE ABREU, M.	2221	-2221	-2221	2256
CULLIFORD, E.R.	1071					3852			
CUMMINS, J.D.	906*	2579*			DE AMARAL, L.Q.	2505			
CUNNINGHAM, B.B.	564*				DE BARROS, S.	-1813	1817	-1817	1872
CUNNINGHAM, J.	2188	2415				1878	-1878	1951	2129
CURRIE, W.M.	1754*					2547*	-2547*	-2547*	3118
CUYPERS, M.Y.	2401					-463			
CUZZOCREA, P.	620*	628*	1887*	2047*	DE BIEVRE, P.J.	2221	-2221	-2221	
	2216*				DE CAMARGO MATIOS, M.	3730			
CVELBAR, F.	2220*	2232*	3617*	3810*	DE COSTER, M.	1853*			
CZAPP, B.	3372*				DE GUARRINI, F.	1420*			
CZERNY, J.	2576				DE HOFFMANN, F.	3132			
CZIBOK, T.	3997				DE JONGE, S.	12*	695*	700*	
CZIRR, J.B.	421*	2358*	3631*	3829*	DE JUREN, J.A.	1354			
	3951*	3952*			DE KEYSER, A.	1835			
CZYZEWSKI, T.	1439				DE LEEUW, S.	1835			
DABBS, JR., J.W.T.	1421	1432	1461	2459	DE LEEUW-OLBERTS, O.	3719*			
	2466*	3477	3506	3508	DE NEVE, R.	1581*			
	3616*	3838	3839		DE PANGHER, J.	3728*			
	2559				DE REODE, P.	604*	1025*	1092*	1287
DABEK, W.	2559				DE SAUSSURE, G.	1296	1297	1462*	2108
DABROWSKI, C.	366	470	498	953*		-2106	2514	3155	3282
DAHLBERG, D.A.	1247	1824*				3268	3208*		
	2718*				DE SOETE, D.	3719	3723	3724	
DAHLBERG, R.	4051*	4058*			DE SWINIARSKI, R.	2576*			
DAKOVSKII, M.	2312*				DE VILLIERS, J.A.M.	-885	1546	1993*	2738
DAKOWSKI, M.	2060					2515	3128	3283	3285
DALMAS, J.	-1417				DE VOLPI, A.	1323*	2568*	2901*	
DALTON, A.W.	3676*				DE VROEY, M.	804*	1070*	1101*	
DAMLE, P.P.	3726				DE WITT, T.W.	2888			
DAMS, R.	833				DEAK, F.	2510			
DANDY, D.	1118	1981	2112	2201*	DEAL, R.A.	1494*			
DANIELYAN, L.S.	2250*	2603	3048*		DEBERTIN, K.	1739*	1814*	2744*	
	80	101	504	585	DEBRIL, O.	-3125	-3128		
DARDEN, S.E.	852	1032*	1495*		DEBUS, G.M.	-463*			
	1638*				DECAT, D.	3720*			
DARLINGTON, L.E.	749				DECONNINCK, O.	233*	577*	613*	617*
DAROCZY, A.	-2585	3105				804*	1283*	3708*	
DARVES-BLANC, R.	3967				DECONSKI, P.	1439	1909*	1910	2185
DAS, P.	1611					2186	2340*	2386	-2386*
DASH, J.O.	3148*	3234	3474			3053	3813*	3814*	3810*
DAVE, V.R.	2597	3383				3408			
DAVERHOOG, N.	477*	742*	782*		DEDAKINA, A.F.	708*	1228*	3397*	4090*
DAVIS, E.A.	3166*	3187*	3322*		DEDIYAREVA, YU.G.	1525*	3720		
DAVIS, J.C.	3949	3950*			DEL MARCOL, P.	975*	3848*	4005	
DAVIS, M.C.	2				DEL MUSCROVE, A.R.	3445			
DAVIS, R.H.	82	117	403	2122	DELAUNAY, J.	3729			
DAVIS, R.W.					DELBROUCK HABARU, J.M.				
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DELVIN, T.J.	3524				* DIVADEENAM, M.	3638*			
DEMIDOV, A.M.	1924	-2393	2827	2977	* DIVATIA, A.S.	2601			
	3417	3418	4038	4056	* DIVEN, B.C.	155*	299	674*	709
	4061	4062	4064	4065*	*	933	943	1061*	-1061
	4075	4079	4080		*	-1061	1073	1145*	1301*
DEMPSTER, A.J.	2953				*	1350	2394*	-3062	
DEPRAZ, M.J.	628*	1555	1769		*	943	-3245		
DEPUYDT, H.	3681*				*	653*			
DER MATEOSIAN, F.	390*	2643*	2668*	2670*	* DIXON, D.R.	4054*			
DERMENDZHIEV, E.	1034	1294	1376		* DIXON, W.R.	4036*			
DERRIEN, H.	19	1035	1349*	1466*	* DJACHENKO, P.P.	3275*	3276	3817	
	1496	1498	1963	2439*	* OJUMIN, A.I.	1929	3074		
	3119*	3120	3125	3126	* OLOUMY, 7.	2244*			
	3806*	3919*			* DOBRESCU, S.	198	1118	-1159	1360
DERUYTTER, A.J.	463	1281*	2105*	2236	* DOBROZEMSKY, R.	3909			
	3640*	3641*	3648*	3780	* DOBRYNIN, YU.P.	2492*			
	3783	3802*	3906		* DOI, T.	3824			
DESCHUYTER, H.	3721*				* DOIL'NITSYN, R.YA.	3923			
DESJARDINS, J.S.	139	2472*	2476	2613*	* DOLESZKY, T.	2178	2462*	2738*	3688
	3012*	3470			* DOLLEY, P.E.	2570*			
DEUCHARS, W.H.	856*	833*	1663*		* DOMANIC, F.	1018*	2654		
DEUTSCH, H.	1545*	2588*			* DONAHUE, D.J.	1830			
DEVKIN, B.V.	1908	1932	2535		* DONALDSON, R.E.	852*			
DEVLIN, T.J.	3584	3630*			* DONHAUX, E.	3869*			
DEHANE, H.K.	3486*				* DONOHUE, T.R.	198*	-1159	1360	
DEHBE, J.W.	1380*	2798			* DORCIOMAN, D.I.	2716*			
DEHORN, J.P.	1889	3671	3672	3674*	* DORFETZ, D.A.	3577			
	3675				* DOULAS, D.L.	865	1787	2000	2064
DEZSO, Z.	3990				* DOULAS, R.A.	2102	2983	2994*	3002*
DIAL, J.B.	437	2688			* DOVBENKO, A.O.	3387	3388*	4029	4031
DIAMENT, A.YA.	2499				*	2083			
DIAMOND, H.	238	246	1115	1129	* DOVER, C.B.	3546			
	1135	1141	1207*	1474	* DOH, IHO, E.E.	3859*			
	1516	1517*	1978	1979	* DRAGOMIRESCU, D.	943	1497*	-1497*	1632
	1980				* DRAKE, D.M.	2850	2852*	2916*	3194*
DICKENS, J.K.	2513*	3174*	3201*	3508*	*	3447*	3446	3468*	3544*
	3507*	3511*	3512*	3514*	*	3561*			
	3538*	3554*	3557*	3558*	* DRAPER, J.E.	2303*	2485	2481	2611*
	3584*	3613*	3617*	3628*	* DRAMBAUGH, D.W.	1489*			
	3842				* DRESLER, J.	3987*	3988		
DICKINSON, W.C.	2788*				* DREYER, F.	1682*	1768	1800	1814
DIDIER, D.	711*	1271*			*	2894			
DIETRICH, F.S.	3548*				* DRITSA, M.	1884*	-3337*		
DIETRICH, O.W.	776	3188			* DRITSA, S.	3071	3337*	3459	
DIKSIC, M.	2345*	3818*	3823*		* DRITTLER, A.	2054*			
DILG, W.	1718*				* DROPESKY, B.J.	943	2081		
DILLEMANN, H.	1271				* DROSO, M.	3271	3537*		
DIMENT, K.M.	1328	1550*	3020*	3934	* DROULERS, Y.	2576			
DIMITRIJEVIC, Z.	-2145	2152			* DRUSCHEL, R.E.	1441*	1483	2102	2661
DIO, W.H.	2985*				*	2676	3233	3250	3323
DIROUAC, G.J.	2765*				*	3325	3494*	3532*	3533
DISHUKE, N.	-1239				* DRUZHININ, A.A.	1882*	2300*		
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DU MOND, J.H.M.	2642				•	1004*	1099*	1205*	1279*
DU TOIT, S.J.	1295*				•	-1385*	1935*	2042*	2332*
DUBENKROPP, H.	2093				•	2491*	2651*	2833*	
DUBEY, V.S.	161				•	1349	3204		
DUBROVINA, S.M.	957*	1069	1529	2378	•	2803	2804		
	3213	3414	3432		•	1560			
DUBUS, M.	-3105				•	2228			
DUCHEMIN, B.	3799				•	3491			
DUCLOS, J.	1565				•	1168			
DUDEY, N.O.	2076*	2533*			•	1277	2086*	-2757*	-2772
DUDLEY, J.D.	453*				•	2884	3110*	3253	3270*
DUFFILL, C.	2400				•	3481*	3846		
DUFRAISNE, A.	3643				•	990	1300		
DUGGAL, V.P.	851*	2161*			•	3344			
DUGGAN, J.L.	2713	2988			•	3822	4011*		
DUKAREVICH, YU.V.	1256*	1869*			•	1695			
DUNBAR, D.N.F.	-855				•	2483			
DUNFORD, C.	-885				•	4011			
DUNNING, J.R.	173	189	261	2797	•	3818			
DUNNING, K.L.	153				•	3825	3833*		
DURHAM, R.A.	1282	1311*	1433	2520	•	3494	3533		
	2914*	2915	2935*	3185*	•	3892*			
DURING, G.	1335				•	301*			
DVORAK, H.R.	94*				•	3384*			
DVORETSKII, V.N.	4056	4079	4080		•	2073			
DVUKHSHERSINOV, V.G.	3475	4043*			•	262	483*		
DYACHENKO, P.P.	3812				•	3516			
DYER, N.C.	3463*				•	2646			
DYUMIN, A.N.	1256	1869			•	10			
DZANTIEV, B.O.	350*				•	2629			
DZHAFAR, DZH.D.	3417*				•	492*			
DZHELEPOV, V.P.	1571	1572*			•	14*	1140*		
DZYUB, I.P.	3396				•	497	571	1259*	1606*
EAPEN, P.K.	3457	3471	3577*		•	1647	1757	2351	3052*
EARWAKER, L.G.	3940				•	3055*	3057*	3056*	3133
EASLEY, J.H.	1589	1594*			•	3143	3513		
EAST, L.V.	3948				•	702	1680		
EASTWOOD, T.A.	328*	438	1010*	1150	•	2739			
	1163*	1851*	2389	2727	•	2070*			
EATON, J.R.P.	2595*				•	188*			
EBEL, A.A.	298*				•	1891*	2882	3710	3866*
EBREY, T.G.	1781	2141			•	3967	3968		
EBY, R.E.	3323	3325			•	892	1094	-1107	-1167
ECCLESHALL, G.	3257				•	-2530			
ECKER, B.M.	2998				•	2676			
EDESKUTY, F.	532				•	3949	3930		
EFIMOV, B.V.	1119*	2201	2603	3048	•	-885	-885	-885	1546
EFIMOV, V.N.	2160	2163			•	1993	2038	2883	
EGAN, J.J.	3844*				•	280*			
EGELSTAFF, P.A.	178*	-250*	370*	432*	•	1700	1707	1715*	1758*
	433*	-435*	511*	798*	•	2931			
	-955*	-958*	959*	-959*	•	-797	-3062		

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ERKKILA, B.H.	3561	3890			* FENIN, YU.I.	106*	1361	4020	
ERMAGAMBEIDOV, S.B.	1502*	2522*			* FENNER, N.C.	2227*			
ERNST, A.	3068*				* FENNING, F.W.	2925*			
ERZOLIMSKY, B.G.	1118*	1159	1360		* FENSTERMACHER, C.A.	2465*			
ERSHLER, B.V.	339	1414	2235	2684	* FERGUSON, A.T.G.	210	214	218	230
ERTAUD, A.	1621				* FERGUSON, D.E.	607*	622	1070	1101
ESCH, L.J.	1277*	1278*	2085	2637*	* FERGUSON, J.M.	1258	1265	1267	1377
* EUBANK, H.P.	2758	2875	3270		* FERMIDJIAN, J.	10			
EVANS, A.E.	159	55*			* FERMI, E.	533	602	1702	1712*
EVANS, F.W.	3495	3948*			* FERNANDEZ, A.	1758	2014*		
EVANS, J.E.	2107				* FERNANDEZ, B.	-3125	-3126		
	226	304	410	887	* FERNACH, S.	2714	3099*		
	998	982	-1065*	1336	* FERZIGER, J.H.	116			
EXTERMANN, P.	1436	-1820*	2179*	2288	* FESSENDON, P.	1766			
FABIANI, F.	2404*	2484	2493*	3274	* FETISOV, N.I.	1748			
FABRY, A.	1903*				* FETISOV, N.I.	1958			
	1003	1885*	3671*	3672*	* FETISOV, N.I.	1672*			
	3676	3677	3678*	3695	* FETISOV, N.I.	1908	1932	2360	2535
	3702*	3730*			* FETISOV, N.I.	4072			
FACCHINI, U.	2053				* FETISOV, N.I.	2735*			
FAGOT, J.	-1240				* FETISOV, N.I.	2683*	2689		
FAIRCHILD, R.H.	3158	3163			* FICKEL, W.R.	1071*	1072	1074	1155
FALER, K.T.	2972				* FIELDHOUSE, P.	705	1129*	1135*	1141
FALK, C.E.	87				* FIELDS, P.R.	1182	1195*	1207	1474
FANGER, U.	469	3654	3655		* FIELDS, P.R.	1475	1517	1979	
FARINELLI, U.	2829*				* FIELDS, R.E.	46*	69*	90	106*
FARLEY, F.J.M.	954*				* FIELDS, R.E.	208*			
FARMELO, D.R.	1942				* FILIPPOV, V.V.	1000	4017*		
FAROOQUE, M.	3310	3967*			* FINK, R.W.	443	531	598	630
FARRELL, J.A.	719	720	-943	1048*	* FINK, R.W.	662	667	672	679
	1465*	2099*	3054*	3109	* FINK, R.W.	756	757	911	932
	3236	3464	3615*		* FINK, R.W.	1844	2002	2188	2214
FASOLI, U.	1003*	1554*	1616*		* FINK, R.W.	2655	2747	2837	2841
FAST, E.	1076	-1077	1523*	2284*	* FINK, R.W.	2842	2843	2847	2853
	2630	2769	-2770		* FINK, R.W.	2896	3010	3169	3184
FAUST, W.R.	113	262	292	294	* FINK, R.W.	3433	3518	3834*	
FAWCETT, JR., L.R.	3436*				* FINLAY, R.W.	1648	1669	1679	3442
FAZIO, M.	1870	2062*	2587*		* FINLAY, R.W.	3847			
FEDOROV, M.B.	3000	4025	4067*		* FINSTON, H.F.	3892			
FEDOROVA, A.F.	3407	3413	3420	3431	* FINSTON, H.L.	3186	3202		
	4074				* FIORE, A.	1540			
FEEZEL, R.M.	2290				* FIRK, F.W.K.	346	442	458*	1005
FEHR, E.B.	2757*	-2757			* FIRK, F.W.K.	1251*	-1514	1692	1808*
FEMSENFELD, P.	786				* FIRK, F.W.K.	1820*	1944*	2285*	2609
FEISEN, W.J.	1333*				* FIRSOV, E.N.	2393			
FEINER, F.	1277	1278	2086	2758	* FISCHER, G.J.	316*			
	2986	3270			* FISHER, T.R.	1169	2018	3227*	
FELBER, JR., F.F.	1942*				* FLAMMERSFELD, A.	2982*			
FELD, B.T.	1420				* FLECK, C.H.	3365*			
FELTHAUSER, H.E.	403				* FLEROV, G.N.	196*	1526*	-1526	1540
FELVINCI, J.P.	3327*	3438*			* FLEROV, G.N.	2900			
					* FLEROV, N.N.	200*	609*	610*	1269*
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FLEROV, N.N.	1324*				* FREEDMAN, M.S.	2687*			
FLESCHE, F.	3371*				* FREEMAN, J.M.	40*	128*	213*	618*
FLORANCE, A.	2021*				* FRIEDMAN, J.	787	816*		
FLORAK, M.	3045	-3070			* FRIEDMAN, J.	211	1368	3807*	3881*
FLOWERS, B.H.	2621				* FRIEDMAN, J.	3902			
FLUHARTY, R.G.	37	243	778*	863	* FRIEDMAN, G.	64*			
	964	1038	-1065	1076	* FRIEDMAN, S.J.	1470			
	1211	1237*	-1249	1358	* FRENCH, R.L.D.	1782*			
	1394	2230	2291		* FRENCH, A.H.	532			
FLYNN, E.R.	1567*				* FRETHERST, E.	417	-440*	543	-843
FLYNN, K.F.	239	3912			* FLETCHER, E.	1800			
FOELL, H.K.	270*				* FLETCHER, H.P.	2151*			
FOLEY, K.J.	1664				* FLETCHER, H.P.	-1531	2268	2752*	-3063*
FOLGER, R.L.	2103*	2104			* FRIEDLAND, E.	-3063*	-3137	3259	
FOMICHEV, A.V.	4085				* FRIEDLANDER, H.N.	1552			
FOMINICH, V.I.	2762				* FRIEDMAN, A.M.	888	1444		
FOMUSHKIN, E.F.	1325	1518*	2911*		* FRIEDMAN, A.M.	705	1129	1141	1474
FOOTE, JR., H.L.	395*	1057*	2327	2432	* FRIEDMAN, A.M.	1070			
	2542*				* FRIEDMAN, G.	183			
FORBERG, S.	3331*				* FRIESE, H.J.	989	1104	1138	1181
FORBES, S.O.	84*				* FRIESE, H.J.	1196	1381		
FORD, G.P.	1284	3464			* FRIESE, H.J.	1180	-1531	-1531	1958
FORMAN, L.	2231*	2946*			* FRIESE, H.J.	1990*	1994*	2128	2104
FORMANN, E.	2244				* FRIESE, H.J.	2268*	2288*	2745*	2781*
FORT, E.	1271	3803*			* FRIESE, H.J.	2855	-3063	-3063	-3137
FORTI, P.	1761*	-2517	3091	3329	* FRIESE, H.J.	3209*			
	3651				* FRIESE, H.J.	112	175*		
FOSSAN, D.B.	415*	682*	1260	2422*	* FRIESE, H.J.	3367			
	2779*				* FRIESE, H.J.	1479	-1531	1990	1994
FOSTER, JR., D.G.	750*				* FRIESE, H.J.	2128	2286	2450*	2745
FOUANT, J.P.	3445				* FRIESE, H.J.	2855	3067	3068	3658
FOHLER, J.L.	56*	83	271	480*	* FRIESE, H.J.	3658*			
	489*	513*	600*	746*	* FRIESE, H.J.	2631			
	764*	945	1306	1373*	* FRIESE, H.J.	1577*			
	1585	1642*	2025	2290*	* FRIESE, H.J.	104*	127*	144*	145
	2416	3006	3008*	3087*	* FRIESE, H.J.	1633	2335		
	3088	3167			* FRIESE, H.J.	406			
FOHLER, J.M.	279*				* FRIESE, H.J.	1439			
FOX, J.D.	2296	2304	2504*		* FRIESE, H.J.	3138	3587		
FOX, J.K.	1416				* FRIESE, H.J.	1498	3914*	3915*	3916*
FOX, R.H.	1576	1595*			* FRIESE, H.J.	3517*	3918*		
FOX, W.N.	182*				* FRIESE, H.J.	3664*			
FRANCIS, A.E.	291*				* FRIESE, H.J.	1639	3732	3768	
FRANCIS, N.C.	-1416*				* FRIESE, H.J.	3897	3909		
FRANCOIS, J.P.	3723*				* FRIESE, H.J.	919*	934*	2276*	2489*
FRANCOIS, P.E.	3351				* FRIESE, H.J.	2578*	2609	2893	3761
FRANK, I.M.	1859	2940			* FRIESE, H.J.	3908			
FRANZEN, H.	33				* FRIESE, H.J.	704*	830		
FRASCA, A.J.	1648*				* FRIESE, H.J.	-2221	2256	3853*	3864*
FRASER, J.S.	1230*				* FRIESE, H.J.	3875*	3878*		
FRAYSSE, O.	1372*				* FRIESE, H.J.	64			
FREED, S.	2686				* FRIESE, H.J.	-797	1025	1440	1654

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FULLWOOD, R.R.	2209	2851*	-3062		* GEIGER, K.W.	2590*			
FULMER, R.H.	2758*	3434*			* GENIN, R.	777*	1330		
FULTZ, S.C.	1013	1082	1084	1117	* GENZ, H.	440	1620	2051*	
	1219	1336*			* GEORGIU, Z.	2198			
FUNSHTEIN, V.B.	2111	3405	4085		* GERASEVA, L.A.	2939*			
FURIC, M.	3298	3299			* GERASIMOV, V.F.	956	1305*	1359*	1477*
FURMAN, V.I.	-3070				* GERBER, H.J.	4053*			
FURMANOV, Y.M.	4043				* GERLING, E.K.	552			
FURR, A.K.	534*	697*	3436		* GERMAGNOLI, E.	1454*			
FURSOV, B.I.	4044*	4066*			* GERSCH, H.	1041	2857		
FUSE, T.	643				* GHATAK, A.K.	3892			
GABBARD, F.	2*	523*	641	735	* GHIORSO, A.	2913			
	742	806*	856	3139	* GHORAI, S.K.	244	563	564	1140
GADIOLI, J.	1761				* GHOSE, A.M.	1473	1476		
GAERTNER, E.R.	148	245	256*	1172*	* GIACOBBE, P.	3178*	3508*	3508*	
GAGNEUX, ST.	2359				* GIBBARD, B.G.	907	1656	2058	-2058
GAITANIS, N.	3337				* GIBSON, J.H.	2834*	-3307		
GALANINA, N.D.	965	1212	2499*			2618	3039	3778	3781
GALATI, W.	2693*					3475*			
GALBRAITH, W.	1369					1	15	16	142*
GALKOV, V.I.	363					143	154	269	335*
GALLAGHER, J.F.	803					-335	426*	454	510*
GALLOWAY, III, L.A.	696*	826*	1508*	1803*		677*	737	799	904
GALONSKY, A.	482*					938	997	998	-909
GALULA, M.	968					1052	1304	1807	1810*
GAMALII, A.F.	3386	-3386	4049	4050*		1850	1937*	1940	2279
GAMMEL, J.H.	144	1633				2384	-2384	2409	2418
GANAPATHY, R.	1876*					3081	-3085		
GANGRSKILL, YU.P.	3026*				* GIBBS, D.A.	1980			
GANGULY, A.K.	660	859*			* GIBSON, G.	1489			
GARBER, O.I.	1652	3077	-3082	3500	* GIERLIK, E.	1910	2887	-2887	-2887
GARD, G.A.	2089					3821			
GARDNER, B.J.	1370				* GIESECKE, K.J.	417			
GARDNER, C.C.	402	405	561	565	* GILAT, J.	1918	2458		
GARDNER, D.G.	88	667	679	757	* GILBERT, A.	2874*			
	1676	1780	2050	2140	* GILBOY, W.B.	714	879*	1012	1014
	2711	3487				1016*	1254	1337*	1785
GARDNER, D.H.	2555					1809			
GARDNER, M.A.	3487*				* GILL, D.R.	3825*	3830	3833	
GARG, J.B.	814*	-814	2079*	2945	* GILL, P.S.	884	908	1808	1961
	3071	3086	3117*	3131		2655			
	3578	3580	3591	3600	* GILLESPIE, F.E.	-2106			
	3632	3634			* GILLETTE, J.H.	3452*			
GARRISON, J.D.	1455				* GILLIAM, D.M.	3409*			
GARTH, R.C.	903	2719			* GILLY, L.J.	2700			
GARUSKA, U.	3987				* GILMORE, J.S.	1232	2207	3561	3990
GATTI, E.	1041*				* GINDLER, J.E.	13	238	239*	245
GAUDIN, M.	1134	1330				1152*	1516		
GAURIAU, J.	211				* GIORNI, A.	3105*	-3105	-3105	
GAVRILOV, K.A.	3026	3080*			* GIPPER, P.	3983*	3982*		
GAYTHER, D.B.	511	959	3805	3895*	* GIRARD, J.	2480			
	3905*				* GIRARDI, F.	2935			
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CIRLEA, I.	3695				* GOODFELLOW, M.	277	2375		
GIRSHFELD, S.V.	1426*				* GOODGAME, J.R.	3010			
GISLER, H.	2795*				* GOODJOHN, A.J.	-316*			
GLADIKIKH, Z.S.	3432				* GOODMAN, C.	95	98	99	111
GLADYSHEV, D.A.	2455				*	135	291	298	315
GLAGOLEV, V.L.	657*	829*			* GOODMAN, C.D.	131	401		
GLANVILLE, D.E.	1404				* GOODMAN, L.S.	207*	232		
GLASGOW, D.W.	750	3583	3585		* GOPINATHAN, K.P.	3984*			
GLASGOW, G.P.	3595	2836			* GORRACHEV, V.M.	440*	635		
GLASOE, O.N.	146	497			* GORDEEV, I.V.	1224*			
GLASS, N.W.	1464*	2946			* GORDON, G.E.	2709			
GLAZKOV, N.P.	353	773*	828*		* GORLOV, O.V.	204*	522*	612*	1628*
GLEMSET, O.	3376*				*	1643*			
GLEDENIN, L.E.	2729*	-2729*			* GORODEISKY, S.	2820			
GLICKSTEIN, S.S.	2571*	2823*	3203*	3461	* GORSHKOV, V.K.	2226*	2235	2684	
GLOVER, R.N.	3515*	3566	699*	872*	* GOTOH, H.	875	3743	3749	
GLOHACKA, L.	654*	659*	699*	872*	* GOUDSMIT, P.F.A.	866	3212*	-3212	
GNIDAK, N.L.	1770	3855*	3985*		* GOULD, F.T.	1773	1995*		
GODLOVE, T.F.	3851	3393	3398	3407	* GOULDING, C.A.	3157	3158	3163	3181*
GOKHBERG, B.M.	3316	3431			* GOULV, I.M.	2121*	3237*	3238*	
	3420	3252			* GOVOR, L.I.	1697			
	522	612	624*	625*	* GOVOR, L.T.	3418			
	1628				* GRACE, M.A.	4038			
GOOLAND, A.N.	404				* GRACHEVA, L.M.	284*			
GOLCHERT, N.W.	1676*	2140*			* GRAHAM, G.A.R.	2228			
GOLDAMSKII	461*				* GRAHAM, R.L.	2928	2828		
GOLDBERG, M.D.	20*	593	593		* GRAHAM, N.	2174	2693		
GOLDFARB, E.	2803				* GRAMA, N.	3279*			
GOLDHABER, M.	390	2670	2733*	2970*	* GRANADA, J.R.	4001	4015		
GOLDIN, L.L.	339	1414			* GRANGE, B.	377*			
GOLORINO, G.	420				* GRAYES, E.R.	81	82	117*	171*
GOLDSCHMIDT, G.H.	2818*				*	295	314	1449*	2028*
GOLDSMITH, M.	3203				* GRAYES, R.G.	3086	3459	3500*	
GOLDSMITH, S.S.	2629				* GRAY, P.R.	1781*	2141*		
GOLOSTEIN, L.	775	1611			* GRAY, JR., J.	239	1152	1276	1980
GOLOSTEIN, N.	1506	1507	2742		* GREBENYUK, M.K.	3040*			
GOLOVIN, B.M.	1571*				* GREEN, A.	1385	2728*		
GOLUSHKO, V.V.	4087*				* GREEN, F.	3565			
GOLYSKHIN, V.I.	4032	4037	4039	4091	* GREEN, J.L.	3242*			
	4092	4093			* GREEN, L.	2310*	3341*	3482*	
GONCHAR, V.YU.	868	2183			* GREEN, R.E.	132	2461	2479	3468
GONCHARENKO, J.P.	-3105	-3105			* GREEN, T.S.	744	1404*		
GONZALEZ, L.	692*	929*	1771*		* GREENFIELD, M.A.	-2736*	2852*		
GONZATKO, YA.	1729				* GREENWOOD, R.C.	3211	3220*		
GOONZE, A.	233				* GREENO, R.A.	2909			
GOOD, W.E.	170*				* GREGORY, H.C.	3548			
GOOD, W.M.	15*	269	335	924	* GREINER, E.	1849*			
	925*	925	987*	997	* GREISEN, M.I.	260*			
	-998	1850*	2123	2384	* GREINCH, M.A.	382	-382	973*	1090*
	-2384	2418	2475*	2475	*	1696	1698	1952*	1958
	3028*	3081	3578		*	2117*	2946	3199*	3227
					* GRENIER, G.	3081			
					*				
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GRIAEV

AUTHOR	CITATIONS				AUTHOR	CITATIONS			
GRIAEV, V.M.	1054				* GVOZDEV, V.S.	2672*			
GRIFFIN, H.C.	-2729				* GWIN, R.	1025	1289*	1290*	1297
GRIFFITH, G.L.	2126*				*	2106*	-2106*	2514	3155
GRIFFITH, T.C.	1579*				*	3263*			
GRIMELAND, B.	1619*	1763*	2574*	2580*	* GYARMATI, B.	372			
GRIMES, S.M.	2674*	3379*			* HAAS, F.X.	2290	3088		
GRIMM, G.W.	2370*	3536			* HAAS, G.M.	766*			
GRIN, G.A.	2512*				* HACKEN, G.	-3059	-3060	3121	3555
GRISHANIN, E.I.	472*	1556*	1674		*	3556	3568	3579	3580
GRISHIN, G.V.	2247*	3420			*	3591	3600	3625	3632
GRISSOM, J.T.	3429				*	3634	3635	3835	3840
GRITS, YU.A.	2222*				* HADDAD, E.	465	544*	1132*	1479*
GROCE, D.E.	753				*	1956*	1990	1994	2026*
GROCHULSKI, W.	1575*				*	2128	2154*	2262*	2286
	1909	1910	2340	2366	*	2430			
	-2366	3053	3813	3814	* HADLEY, J.	1568*			
	3818				* HAEBERLI, W.	325	685	1032	
GROESCHEL, D.	3800				* HAENNI, H.P.	733	735		
GRONA, L.YA.	1046	1668	1997		* HAFMEISTER, D.W.	1557*	1559		
GROSCLOSE, B.C.	1036				* HAFNER, E.M.	87*			
GROSHEV, L.V.	1924*	-2393*	2827*	2977*	* HAGEMANN, F.	244	1202	1902*	
	3418*	4038*	4056*	4061*	* HAINES, O.	2688			
	4062*	4079*	4080*		* HALBAN, M.H.	212	284	301	
GROVE, G.R.	1984				* HALBERT, M.L.	3885			
GROVES, D.J.	1018				* HALFORD, J.D.	193			
GRUBER, U.	1560				* HALG, W.	28			
GRUCHULSKI, W.	3811*				* HALING, R.K.	159*			
GRUMMITT, W.E.	1163	1458*			* HALL, D.	1421	2803		
GRUNDL, J.A.	321*	1500*	3344*		* HALL, G.R.	166	428		
GRUPPELAAR, H.	3687	3688	3689*	3692	* HALL, H.E.	783*	1752*		
GSCHNEIDNER, JR., K.A.	1275				* HALL, L.D.	2829			
GUARRINI, F.	1341*				* HALL, S.J.	3595			
GUAZZONI, P.	2587				* HALL, T.	2798			
GUENTHER, P.T.	-885	-885	2017	-3128	* HALL, W.S.	20			
	-3146	3154	3439	3504	* HALLETT, E.	1722*			
	3572*				* HALPERIN, J.	10*			
GUERNSEY, G.	1586*				*	1185*	1186	1189*	1130*
GUERNSEY, J.B.	98*	136*	137*		*	1441*	1483*	2102*	2661*
GUERON, J.	1458				*	2662*	2678*	2724*	3233
GUINDON, W.O.	2950				*	3250	3323*	3325*	3326*
GUJRATHI, S.C.	2137*	2403*			*	3494	3532	3533*	3551
GULKO, V.A.	3399				* HALPERN, O.	2788			
GULYAS, I.	2632*				* HAMERMESH, B.	2786*	3563*		
GUNN, S.R.	1144				* HAMILTON, J.H.	166	2847	3463	3518
GUNST, S.B.	1442	1443	-2105		* HAMM, K.	714			
GUNTHER, W.	1914				* HAMOUDA, I.	2200	2322	2395	
GUPIA, M.C.	3465*				* HAND, J.E.	1132			
GURTOVOJ, M.E.	3406*				* HANLEY, T.H.	131	401		
GUSTAFSON, H.R.	-3160	3518	3620		* HANKE, B.E.	626			
GUSTAVSSON, B.	-2890				* HANKLA, A.K.	2847*	3518*		
GUTNIKOVA, E.K.	1339	1518	2911		* HANNA, G.C.	456*	1164	1177	1188*
GUZHOYSKI, B.YA.	1262*				*	1311	1386	1452	1453*
					*				
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HANNA, G.C.	2619*	2915			HASSAN, A.M.	4011			
HANNA, R.C.	1402*				HASSELGREN, A.	3690	3701*	3715	
HANNA, S.S.	279				HASSLER, F.L.	688*			
HANS, H.S.	320*	473	619	703	HASUYAMA, H.	3734	3754		
HANSEN, E.C.	1608*	2655	3305*	3808	HATTORI, M.	3735*			
HANSEN, G.E.	2757	-2757			HAUG, P.	1684			
HANSEN, J.	1216	3947*			HAUGSNES, J.	232	-232*	1638	
HANSEN, J.R.	763	1087	2509		HAUSER, M.	1430			
HANSEN, K.F.	3725*	95	99*		HAUSLADEN, S.L.	3143	3509*	3510	3513
HANSEN, L.F.	2746*	3536*			HAVENS, JR., W.W.	26*	44*	45	70*
HANSON, A.O.	182					100	139	173	189*
HAOUAT, G.	3911	3941				242*	259*	261	338*
HAOUT, O.	3903					805	814	-814	961*
HARAR, S.	1766					1221*	1222	1286	1288
HARATYM, Z.	2910	2987	3819	3856		1384	1396	1773	1995
HARBOITTE, G.	2649*					2078	2472	2476	2805
HARBOUR, R.M.	3485	3503*	3522*			2945	3012	-3059	-3060
HARDAORE, R.A.	2089					3121	3555	3556	3568
HARDEKOPF, R.A.	3890				HAHNER, B.E.	550			
HARDELL, R.	3663	3690*	3691*	3709*	HAWKINGS, R.C.	2560	2567		
	3715				HAWKINS, M.	345			
HARDIE, G.	3836				HAWORTH, L.J.	2787			
HARDY, JR., J.	1137*	1298*	1435*		HAY, H.J.	439*	2147	2400	2720*
HARIHAR, P.	3844				HAYASE, T.	3909			
HARKER, Y.D.	3225*	-3225*			HAYDEN, R.J.	1158	2960	2968*	
HARKNESS, A.L.	1441				HAYES, R.	-855	2017		
HARLAN, R.A.	946*				HEADY, H.H.	2120			
HARLOW, JR., H.V.	761*	950*	2946		HEALEY, D.C.	2018	3227		
HARPER, P.V.	2676*				HEARST, J.R.	861			
HARPER, T.L.	2415				HEATH, R.L.	1484	2858*		
HARRIS, K.K.	760*	1958*			HEATON, L.	2636	2877	3182*	
HARRIS, M.J.	976	1565*			HEATON, II, H.T.	-2425	2478	2884*	2941
HARRIS, S.P.	54	1431*	1608*	1734*		3051	3181	3162	3184
	2023	2045*	2377*	2506*		3168	3255*	3493*	3530
	2784*	2828*			HEBBARD, D.F.	-855*			
HART, R.G.	1007*	1311	2174*		HEBERT, G.M.	2686			
HARTZLER, A.J.	1590*				HECK, D.	3654*	3655*		
HARVEY, B.G.	365*	456	1148	1188	HECKER, R.	3098			
	1473*				HEERTJE, I.	1741*			
HARVEY, J.A.	362	413	862*	919	HEIMEL, M.	937	3336		
	934	935	944	-948	HEINDL, C.J.	2398*	2555*	2832*	
	974*	996	1001	1037	HEINLOTH, W.	780*			
	1116*	1239	-1239	-1415*	HEINRICH, R.R.	648	2076	2513	
	1967	2046*	2234	2239*	HEINTZE, L.R.	1340			
	2292*	2405*	2452	2486	HEITCAMP, A.F.	1277			
	2468*	2545	2608*	2965*	HELLENS, R.L.	1033			
	3142	3497	3578	3622	HELLSTEN, A.	2285	2463		
HARZ, U.	3894*				HELLSTROM, E.	1299*	1619		
HASAN, S.S.	2856*	3868*			HELLSTROM, J.	3682*			
HASBROUCK, B.	1442				HELMER, R.G.	3211*	3455*		
HASHAN, A.	370*				HEMMENDINGER, A.	674	-1061	1301	1358
						1872	3464		

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HENCHOZ, A.	472	1674			HILLMAN, M.	840*	2275*	2753*	
HENDERSON, D.J.	1980				HILLMAN, P.	343*	420		
HENDERSON, J.D.	1725				HILSCHER, D.	3187			
HENDRIE, J.M.	2810*				HINCHEY, J.J.	76*			
HENKEL, R.L.	18*	-18*	61*	105*	HINCKES, E.P.	2927			
	120	122	124	274	HINES, J.J.	1517			
	314	321	345	-345*	HINES, W.A.	1455			
	352	427*	429*	430*	HINMAN, G.W.	-316			
	515*	517*	518	532	HITTERMAN, R.L.	2877			
	-551	689	785*	951*	HLA PE	4005			
	1482				HLA SHWE	1516	2215*	3016*	
HENNELLY, E.J.	3893				HLADIK, O.	3982			
HENNELLY, F.J.	195	-195			HLAVAC, S.	4002*			
HENNING, G.R.	2815*	2870*			HO, C.	3121			
HENRY, C.N.	3165				HOAGLAND, E.J.	2704*			
HENRY, K.M.	1200*				HOBBIE, R.K.	1580*			
HENSHAW, D.G.	2029*				HOCKENBURY, R.W.	610	923	939	1025
HERDADE, S.B.	2505					1110	1440	1493	2105
HERWARD, H.G.	2928					-2102	2276	-2405	2488
HERMAN, M.	4010	4012				2496	2514	2942*	3003*
HERMSDORF, D.	4095*					3092	-3092	3096	3108
HEROLD, C.	3976					3112*	3155	3540	3552
HERRMANN, G.	2357*					3586			
HERTZENBERG, L.	3377				HODGKINSON, J.G.	1091			
HESKE, M.	2534	3123	3644		HODGSON, E.R.	803*			
HESKETT, H.	1432				HODGSON, P.E.	1609			
HESS, H.N.	1568				HOFF, R.W.	386	825*	1117	-1117
HESS, JR., D.C.	1158	2959*	2960			1149	1204	1336	3274
HEYMAN, M.	582*				HOFFMAN, D.C.	3464			
HIBDON, C.T.	6*	75*	184*	223*	HOFFMAN, M.M.	3529*			
	319*	507*	699*	784*	HOFFMAN, Y.V.	1044	-1044*		
	788*	810*	811*	812*	HOFFMANN, F.	1970			
	813*	824*	844*	914*	HOGO, C.H.	350*			
	952*	970*	1002*	1067	HOHMUTH, K.	2685			
	1303*	2023	2377	2406*	HOHNE, P.	879*			
	2420*	3005*			HOLCOMB, H.P.	2103	2104		
HICKMAN, G.D.	1989*				HOLLAND, R.E.	75			
HICKMAN, JR., J.B.	1704				HOLLANDSWORTH, C.L.	1254	1756	3257	3488
HICKS, D.A.	41	301	1143*	1146*		3614*	3633		
	1148	2337			HOLLOWAY, G.E.	1410			
HIGGINS, G.H.	66*	1142	1144*	1147	HOLM, D.M.	326			
	1204				HOLMBERG, M.	763*	1087	-1138	1307*
HILDEBRAND, R.H.	281*	1748				1378	2376*	2509	3882
HILL, D.A.	2056				HOLMES, J.A.	2394			
HILL, N.W.	3477	3616	3622	3838	HOLMOVIST, B.	1831	1897*	2990*	-2890
	3839					-2890*	-2850*	-2880*	-2890*
HILL, R.D.	2844	846*				3360*	3660*	3670	
HILL, R.W.	398*	593	603		HOLT, G.	2451			
HILLE, M.	3384				HOLT, N.	2238*			
HILLE, P.	1718	1816	1867	1874*	HOLT, R.J.	3574*			
	1879	3356	3367*	3368	HOLUB, E.	3963*			
	3370	3371	3375		HONE, D.W.	-2928*			
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HONZATKO, J.	3922*				HUMPHREY, D.L.	3624			
HOOP, JR., B.	1617*	2359			HUNT, G.J.	3801			
HOOT, C.G.	412	3826*			HUNT, J.B.	2136*			
HOPKINS, G.R.	2979*				HUNT, S.E.	3351			
HOPKINS, J.C.	709*	1073*	1497	1497	HUNTER, J.B.	3188			
	1632*	1834*	2850*	2862	HUNYADI, I.	372	-749	1991	2074
	2999*	3245	-3245	3271	"	2345	3102*	3300	
	3537				HUNZINGER, W.	1678*			
HORNIAK, W.F.	87	2056			HUPF, H.B.	3013*	3023*	3024*	
HORVATH, D.	3957				HURLHANN, T.	30	391		
HOSOE, M.	818*				HURST, D.O.	1177*	1386	2794*	2818
HOSTE, J.	3718	3719	3721	3723	HURWITZ, JR., H.	-1416			
	3724	3726			HUSAIN, L.	1945*	2314*	2707*	3150*
HOUK, T.L.	2364*	3176*			HUSAIN, S.	3366	3968		
HOUSE, L.L.	2531*				HUSAIN, M.	2584	2882*	3290*	3310*
HOVENIER, J.W.	1304	3686			"	3951*	3962*	3966	3968*
HRASKO, P.	1701	2610			HUTTEL, G.	1870*	3311*		
HREHUS, G.	3824				HUTTABLE, O.B.	1261	-1583		
HSU, Y.-C.	378	2365*	-2365	-2365*	HUYNH, V-D.	881	-1813	-1817	1853
	3292*	-3292*	3960	3960	"	1872	1878	-1878*	1951
HSU, Y.T.	-3292				"	2003	2114	2119	2129
HUANO, C.-Y.	3960				"	2218	2282	2297*	2295
HUANO, C.Y.	2365	-2365	3292	-3292	"	2473	2485	2547	2504
HUBER, P.	28	30	31	33	"	3032	3033	3118	-3118
	424	621	1678	1903	HWANG, J.-L.	3960			
	2359	2417			HYAKUTAKE, M.	1639	3732	3734*	3736*
HUBERT, P.	337*	968	-968	1127	"	3737*	3739*	3740*	3754
	-1127	2040*			HYDE, E.K.	251*	1179	1201	1503*
HUCK	3022*				HYDON, M.P.	1200			
HUDDLESTON, C.H.	665*	2012	2804		HYVER, C.	2577			
HUDDKLIN-BOZIC, A.	2232	3017	3810		ICE, C.H.	1877*			
HUDOMALJ, J.	3882				IGENO, K.	1877	3733*	3766	3767
HUDSON, JR., C.I.	1268*	-1268*			"	3769	3773		
HUDSON, JR., O.H.	579	1713	1720	1728	IDETJAERN, S.O.	3691			
	1730	2116*			IDON, L.E.	2722	2729	2858	
HUDSPETH, E.L.	383	664	-681	1732	IGNAT'EV, K.G.	965	966*	1212	1225
	3623				"	1225*	2437*	2548*	4055
HUGHES, D.J.	459	809	862	803	"	4089			
	990	1037	1116	1191*	IGWATENKO, A.I.	3413	3431		
	1238	1300	1415	1421*	IOO, G.	2400*	2551*		
	1460	1461	1938	2057	IHOCHI, H.	2318*			
	2296*	2324*	2504	2660*	IZUMI, M.	3756*			
	2697*	2719*	2742*	2790	IL'IN, YU.I.	1325			
	2803*	2804*	2925*		ILAKOVAK, K.	687	986*	2219*	
HUGHES, E.B.	3195				ILIESCU, N.	2068	2875*	2447	
HUGHES, L.B.	1885				IMATZUMI, M.	3744			
HUIJER, P.	450*				IMHOFF, W.L.	334*	-382	445*	570
HUIZENOA, J.R.	1141	1152	1178*	1474	"	603*	690*		
	1979	2192	2639	2643	INADA, T.	1	799	904	932
	2664				INOHARA, M.G.	1135	1158*	2859	2860*
HULF*, E.K.	386*	825	1149*	1204	"	2988			
	1522*	3469	3472		INGLE, R.W.	1625	2106	-2106	2514
					"				
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INGLE, R.H.	3155	3262	3263	3269	* JAMES, G.D.	1235*	1351*	1866	2087*
INGLEY, J.S.	2088*				* JAMES, R.H.	2352*	2530*	-2530*	2600
IOORDACHESCU, A.	3857				* JANEVA, N.	3616	3940		
ICRI, I.	468	849	2053	2062	* JANKO, B.	838			
IFFAN, M.	1907*	2169*			* JANTSCH, K.	3402			
IRIGARAY, J-L.	-3105				* JARCZYK, L.	3282			
ISAKOV, A.I.	616*	2776*	2940		* JARMIE, N.	3982			
ISBASESCU, A.	3291				* JARVIS, G.A.	2795*			
ISE, JR., J.	1143	1146	1148		* JARVIS, R.G.	3551	3890		
ISHIKAWA, H.	3750*	3758*	3760*		* JARYTSINA, I.A.	105	345	3947	
ISHIZAKI, Y.	2761				* JASIELSKA, A.	631	-3275*		
ISLAM, E.	2882	3290	3310	3961	* JASKOLA, M.	4088			
ISLAM, M.H.	3966	3968			* JAY, B.	1787			
ISLAM, M.N.	3784*	3788	3792		* JEANNET, E.	3851*	3855	3985	
ISLAM, N.	3936				* JEKI, L.	3545			
ITO, Y.	3962	3966	3968		* JENKIN, J.O.	2032			
IVANCEANU, I.	3226*				* JENKINS, G.L.	2510	3812*		
IVANENKO, V.V.	1928				* JENKINS, J.O.	796			
IVANOV, A.A.	2004*	4077*			* JENKINS, L.M.	944			
IVANOV, E.A.	2360				* JENNINGS, B.	3339*			
IVANOV, R.N.	3857				* JENSEN, R.	358			
IVANOV, V.A.	1490	2196	2226	2235	* JENTSCHKE, W.F.	1033	1422	1828	
IVANOV, V.F.	2684*	4047			* JEREMIE, H.	1722			
IVANOV, V.J.	2977				* JERONYMO, J.H.F.	1587			
IVANOVA, N.I.	4050				* JESSEN, P.	582	586		
IVANOVA, P.I.	4044	4063*	4066		* JIAOLETTI, R.J.	374*			
IWATANI, K.	1333	4073*			* JIRLOW, K.	1814			
IYENOAR, K.N.	2362				* JOENSSON, B.	3488*			
IYER, R.H.	3768*				* JOHANSEN, O.	1953*	2718	3352	
IYER, R.S.	3296				* JOHANSEN, E.	3662*	3713		
JACHENKO, N.P.D.	3857*				* JOHANSSON, P.I.	3381*			
JACK, M.	2390*				* JOHANSSON, S.O.	1953	2718		
JACKIEV, R.H.	4027				* JOHN, E.R.	3870*			
JACKSON, H.E.	837	1907	1920	2169	* JOHNSON, C.H.	-2880	3380		
JACOB, M.	1726				* JOHNSON, F.J.	14			
JACQUEMIN, R.	366	960*	1236*	1558	* JOHNSON, P.B.	2512	3828		
JACQUOT, A.	1923	2134	2546	-2547	* JOHNSON, R.O.	62*	67*	71	114*
JACROT, B.	2607*	3030*	3118		* JOHNSON, W.H.	263*	264*	480	513
JAEGER, H.	1139	1445*			* JOHNSTON, F.J.	2290	2416*	2886*	3008*
JAFFEY, A.H.	3676	3678			* JOHNSTONE, I.	3008	3087	3088*	3187*
JAHNSEN, T.	1832*				* JOKI, E.G.	1441			
JAIN, A.P.	988					1895*			
JAIN, H.C.	3983				* JOHNSON, W.H.	354	378*	380*	407*
JAIN, M.	1067*	1088*	1182*	1201*	* JOHNSON, A.E.	452*	570	603	648
JAKOVENKO, T.I.	1203*	1912*			* JOHNSTON, F.J.	690	1858		
JAMES, G.D.	3350				* JOLLY, J.E.	2976*	3204*	3630	
	880*	2382*	2414			663*			
	3312*					333*			
	3527					1321*			
	3000	4025	4067			228*	304	887*	982
	359*	992*	1094*	1107*		240*	248*		
	-1107*	1165*	1167*	-1167*		-1080	1352	2453	3037
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JOLLY

AUTHOR	CITATIONS				AUTHOR	CITATIONS			
JOLLY, J.E.	3050				* KALININ, S.P.	808	1234*		
JOLY, R.	337	777	968	-968	* KALYNA, J.	3224*			
	1017	1127	-1127	1134	* KAHAL, M.	3478			
	1330				* KAMAYEV, A.V.	2939			
JONES, A.D.M.	3199				* KAMINKER, D.M.	1869	2228	4036	
JONES, C.M.	791	927			* KAMITSUBO, H.	3744			
JONES, D.T.L.	4013				* KAMHERDIENER, J.L.	3536			
JONES, K.W.	400	578			* KANDA, Y.	3737	3745*	3774*	
JONES, L.M.	1948	2350*	3160	-3160	* KANE, W.R.	3459			
	3180*	3475	3618	3620	* KANGILASKI, M.	3235			
JONES, M.E.	1150	1172			* KANNE, W.R.	1315*			
JONES, R.H.	408	1480	1499		* KANTELE, J.	88*	2269*		
JONES, R.W.	1007	1311			* KAO, H.C.	3624*			
JONES, JR., H.B.	2035*				* KAO, H.H.	3567*	3575*	3593	
JONKER, C.C.	450	1904	3686	3694	* KAO, M.H.	-3288*	3289*		
	3697				* KAPCHIGASHEV, S.P.	936*	1802*	1812*	1894*
JONSSON, E.	895					2802	3401		
JORDENSEN, M.	2634*				* KAPLAN, L.	1624*			
JOSEFGWICZ, E.T.	2557*				* KAPPELER, F.	2599			
JOSEPH, C.	472	1556	1674		* KARALOVA, Z.K.	2196	2362	4047	
JOST, K.	2708				* KARAM, R.A.	769*	2328*	2329*	2646*
JOUSSEAU, C.	604				* KARATZAS, P.T.	3564*			
JOWITT, D.	897				* KARDASHEV, O.A.	1845*			
JOZEFOWICZ, K.	2559				* KARDON, B.	2632	3293		
JOZSA, I.	3989	3993			* KARDONSKY, S.	3186*	3202*		
JUDISH, J.F.	487				* KARGE, H.	1849			
JOHNKE, D.G.	1964	2001	2240	3216	* KAROLYI, J.	-2136*	2345	2369	2938
JULIEN, J.	1011*	994	1812*	-1813*		3811	3813	3814	
	1817	-1817*	1853	1854	* KARRIKER, F.P.	736			
	1872*	1878*	-1878	1923	* KARTCHAVENA, E.N.	2885*			
	1951*	2003*	2114	2119*	* KARTTUNEN, E.	2747			
	2129	2218	2282	2287	* KARZHAVINA, E.N.	1778*	2143	2154*	2160
	2295	2473*	2485	2537		2163*	2204*	2266	2447
	2547	-2547	-2547*	2604		3403	3410*		
	2617*	3032	3033	3043	* KASAKOVA, L.YA.	1509*			
	3118	-3118			* KASHUBA, I.E.	3000			
JUNG, H.M.	2495*	3069	-3069*	3094*	* KASHUKEEV, N.T.	725*			
JUNGERMAN, J.A.	2761	3151	3196		* KATASE, A.	1639	3021*	3732	3734
JURNEY, E.T.	1580	1581	2424*	2659*		3736	3737	3739	3748*
	2812					3754	3768		
KAACK, D.	3942				* KATCOFF, S.	431*	2629*	2951*	
KADKIN, E.P.	3406				* KATO, W.Y.	459			
KAEPELER, F.	3904*				* KATORI, K.	3744			
KAHANE, J.	582				* KATSAUROV, L.N.	491*	493*		
KAHN, M.	1545				* KATYSHEV, YU.V.	1571			
KAJI, H.	3742				* KATZIN, L.I.	1202*	1485*		
KALASHNIKOV, V.I.	1097*	1098*	1120*	1123	* KAUL, O.N.	1696*	2346*		
	1124	1156	1193*		* KAURANEN, P.	2369			
KALCHENKO, A.I.	2991	3041	3316	3409	* KAUSHAL, N.N.	1654	2281		
	3423	4024			* KAVANAGH, T.M.	254			
KALEBIN, S.M.	1490*	2196*	2362*	3029*	* KAVSHAL, N.N.	3540	3552	3595	
	4047*				* KAWERASAKI, Y.	1852	3741*		
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KAY, R.E.	976*	1565			* KIM HI SAN	2068	2075	2077*	2144*
KAZACHEVSKII, I.V.	2005				* KIM SEK SU	2160	2447	2474*	2487*
KAZACHKOVSKY, O.D.	363				* KIM, H.	3410			
KAZANEKII, YU.A.	3425	4043			* KIM, H.J.	925	-925	2123*	
KAZARINOV, N.M.	2363				* KIM, J.I.	97			
KAZARINOV, YU.M.	1570*	1572	1597*	1598	* KIMBALL	3722*			
	1599	1601*			* KIMURA, I.	2330*			
KAZARINOVA, M.I.	535*					3738	3743	3749	3757*
KAZEROUNI, H.	3067				* KINCHIN, G.H.	3762*			
KEATING, D.T.	404*				* KINDERMAN, E.H.	192			
KEATON, JR., P.W.	3245				* KING, J.S.	168	1104		
KECKSEMETI, J.	3997*				* KING, L.D.P.	1501			
KEEDY, C.R.	115	2694			* KING, T.J.	775*			
KEEPIN, G.R.	1066*	-1066*	-1340*	-1341*	* KINGTON, J.D.	1493	2854*	3003	
	-1424*	1427*				121	264	484	1287
KEGEL, G.H.R.	3564	3844			* KINNEY, W.E.	1296	1462	1625	
KEISCH, B.	2556*	2947*	2972*			1998*	3004	3170*	3171*
KEITH, R.L.G.	209*					3172	3175	3192	3222*
KELLEY, P.L.	245					3228*	-3228	3229*	3230*
KELLIE, J.D.	3895*	3936*				3231	-3231	3447	3448*
KELLY, E.	1568	1562*				3453*	3456	3466*	3521
KELLY, H.A.	1336					3531	3549*	3550*	3553
KENNETT, T.J.	1885*	2307	2754*		* KINSEY, B.B.	3581	3588*	3831*	3837
KENNY, M.J.	4005					781	950	2288	2471
KENT, JR., D.W.	202	559	637*			2493	2500*	2572	
KENWARD, C.J.	1320*	1390	1411		* KIRBY, H.W.	410	1984*		
KEREKATTE, S.S.	2601				* KIRILYUK, A.L.	1886	2428	2430	2974
KERN, B.D.	495*	533*	806	831		3316	3407	3408	3413
	834	1775				3420	3431		
KERNELL, R.L.	3008	3088	3167		* KIROUAC, G.J.	2093	2772*	-2772*	2884*
KERR, E.C.	3245	-3245	3271	3537		2986	3072	3253*	3329
KERR, J.C.	2089					3330	3481	3489*	3651
KETELLE, B.H.	2952	2954*				3846*			
KETELLE, D.N.	2740				* KIRPICHNIKOV, I.V.	966	1225*	1229	1231*
KEUPER, J.J.	834					2194*	2437		
KEYWORTH, G.A.	797	-797	3062*	-3062	* KISDI-KOSZO, E.	-3223			
	-3062	3477*	3838*	3839*	* KISS, A.	2510	3957		
KHACHATURYAN, M.N.	1596	1600	1657		* KISS, D.	2632	3293		
KHAIDAROV, T.	2455				* KISTER, J.M.	122			
KHALETSKII, M.M.	367*	368*			* KITAO, K.	3735			
KHALIL, H.A.	3417	4064	4065	4075	* KITAZAWA, H.	3772*			
KHAM'YANOV, L.P.	2492	4049	4050		* KJELBERG, A.	3380*			
KHAN, F.A.	934	2452*			* KJELLSBY, E.	3379			
KHAZOV, YU.L.	2672				* KLEIN, D.	1137	1435		
KHERUVIMOV, A.V.	4053				* KLEMA, E.I.	179*	182*		
KHOKHLOV, YU.A.	3314	3390	3428	3883	* KLIMENTOV, V.B.	1054*			
KHULELIDZE, D.E.	753				* KLINTSOV, I.U.S.	877			
KHURANA, C.S.	619*	703*	1637*	1957	* KLUGE, GY.	3812			
	2142				* KLYUCHAREV, A.P.	2183	2184*		
KHUSSEIN, F.A.	4075				* KNABLE, N.	12			
KIEHN, R.H.	95*	99	111*		* KNAT'KO, V.A.	3416			
KIKUCHI, S.	1023	3751	3753*	3773	* KNELLWOLF, T.	1685*	2778		

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KNIGHT, D.W.	2769				* KONIN, A.D.	1571			
KNIGHT, J.D.	-359*	-359*			* KONJER, J.	-3212			
KNITTER, H.H.	265	1899*	2531*	2592*	* KONKS, V.A.	1064*	1244*	1960*	1966*
	2593	2898*	3208	3645*		1988*			
KNOBLOCH, G.W.	3784	3788*	3792*		* KONOBEVSKII, E.S.	4033*	4034*	4057*	4059*
KNOCH, M.	1232	2207			* KONONOV, V.N.	4068*	4070*		
KNOLL, G.F.	2734				* KONTZ, P.G.	43*	731	2388*	3318*
	1337	1388*	3499	3949	* KONTZ, R.L.	3391*	4023*	4060	4094
	3950				* KOORI, N.	1363	2100*	3947	
KNOPF, K.	1762	1772			* KOOTSEY, J.M.	-2736	2852		
KNORR, A.	1059*				* KOPECKY, J.	3056	3770	3778	
KNORR, K.	2052*				* KOPSCH, D.	2336*			
KNOTT, H.W.	2877					3700*			
KNOWLES, J.W.	2814	-3036*			* KOPUTIN, M.C.	-2517	3091	3329	3330*
KNOX, H.W.	3442	3552*	3847*		* KOPYTIN, N.S.	3851			
KOBAYASHI, K.	2761	3151	3196	3571	* KORALLOVA, Z.K.	1750			
	3738*	3743*	3749*	3757	* KORNEEV, E.I.	886			
	3762	3897	3909		* KORNILOV, N.V.	1490			
	3744*				* KOROLEVA, V.P.	1540*			
KOBAYASHI, S.	4073					2000	2302*	2893	2994*
KOBZEV, A.N.	1560					3002	3014	3387	3388
KOCH, R.H.	1959*	2391	4006			4031			
KOCIC, A.	2871*					1044			
KOECHLIN, J.C.	670*	770*	-770	1801*	* KOROLOV, A.M.	3727			
KOEHLER, R.R.	2222				* KORSTJENS, H.M.M.	870	886*	1255*	1699*
	2673	2766*	2971*	3545*	* KORZH, I.A.	1750*	2338*	2339*	2992
KOEHLER, W.	1762*	1772*	1787	2172		2996*	3000	3001	3394*
	2748*					3080			
KOLAR, W.	1354	1534*	2205*	3061	* KOSHAIEVA, K.K.	1648	1669	1679	3523
	3115*	-3115*	3127	3601*	* KOSHEL, R.D.	3990			
	3602	3603*	3612*	3646*	* KOSINA, Z.	1884	-3337		
KOLESOV, V.E.	865	1125	1509	1797	* KOSTIKAS, A.	1423			
	2000	2064	2302	2993	* KOSTOCHKIN, O.I.	3421	3422*		
	2994*	3002	3014	3387	* KOSYAKOV, V.N.	1908	1932	2360	2535
	3388	4029	4031		* KOTEL NIKOVA, G.V.	4072			
KOLGANOV, W.Z.	2826					3404	3415		
KOLOSOV, N.P.	4021*				* KOTUKHOV, I.I.	3049			
KOLODII, V.V.	1886	2430	3316	3393*	* KOVACH, P. SH.	4003*			
	3423	4074			* KOVACS, P.	1423			
KOLTUNIN, E.A.	1044	2802*	3412		* KOVALENKO, S.S.	4027			
KOMAROV, V.V.	494				* KOVALEV, A.M.	4071	4083		
KOMENDA, W.	2348				* KOVELSKAYA, O.E.	2910			
KOMOTO, T.	3536				* KOVESY, ZS.	580	1520		
KOMPE, D.	-1547	3068			* KOVRIZHNYKH, A.A.	829			
KONAKHOVICH, YU.YA.	1549*				* KOVRIZHNYKH, O.M.	2863			
KONDATAH, E.	1689*	1944	-2334	2695	* KOZAR, A.O.	920			
	2842*	2843*	2889	3970	* KOZLOVSKI, M.	3855	3985		
KONDRATEV, L.N.	864				* KOZLOVSKI, T.	1890*	2712*	2810	3856
KONDUROV, I.A.	2228*				* KOZMINSKI, J.	2559			
KONECNY, K.	3822				* KOZODAYEV, M.S.	-1097*	-1098*		
KONIG, V.	1857*				* KRAITOR, S.N.	3080			
KONTUN, J.	762*								
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KRAMAROVSKII, YU.M.	4088				L'HERITEAU, J.P.	3122			
KRAMER, M.H.	910*	1962	2644*	2645	LA BAUVE, R.	-1061			
KRASIN, A.K.	2939				LABAT, M.	-211	3795	3796	3798
KRASNOKUTSKII, R.N.	2298				LACHKAR, J.	3946			
KRASNOUSHKIN, A.V.	1193				LADERWALL, T.	3903*	3911	3941*	3944*
KREBS, J.	3122*				LAGRANGE, C.	2034*			
KREBS, K.	3378				LAGRANGE, C.	3936*			
KREGER, M.E.	495	831*			LAJTAI, A.	3812	4054		
KREISLER, M.N.	1948*	2350	3180	3475	LAKATOS, T.	2762			
KRICK, M.S.	3485*				LAKIN, W.L.	3195*			
KRISTIAK, J.	4002				LAKOST, L.	3994*			
KRIVOKHATSKII, A.S.	2193	2363	4030		LAKSHMANA RAO, A.	3965*	3969*		
KRIZHANSKY, L.M.	2235				LALOVIC, B.	1613	1975	2036	
KROULSKI, T.	2312				LAMB, R.C.	1622*			
KROHN, V.E.	1591*	2680*			LAMBROPOULOS, P.	-3146	3154	3439*	
KROPFF MORENO, F.	4015*				LAHOREAUX, R.D.	3257			
KROPFF, F.	3874	4001*			LAMPHERE, R.W.	132*	152*	268*	293*
KROPP, L.	-2517	3091	3329	3651*		1528*			
KROSHKIN, N.I.	4040*	4087			LAMPI, E.E.	64	103*		
KRUGER, G.	2734				LANDER, G.H.	3239*			
KRUGER, K.	1629	1684			LANDON, M.H.	497*	1057	1139*	2022*
KRUGER, P.O.	1587					2289*	2327	2396*	2432
KRUPCHINSKY, P.A.	412*					-2440	2441*	2490	2502*
KRYLOV, N.G.	4073					3034*			
KUCHLY, J.M.	3043				LANDRUH, J.H.	3267*	3450*	3498	
KUCHNIA, F.T.	2351*				LANE, A.M.	40			
KUIJPER, P.	3697*				LANE, R.O.	231	571*	665	807*
KUKAVADZE, G.M.	1414*	1490	2196	2226		1259	1606	1647*	1757*
	2235	2247	2362	2684		3007	3058	3133*	3143*
	4047					3442	3509	3510	3513*
KUKHLENKO, A.S.	3406					3523*	3847		
KUKS, I.M.	3405*	4085*			LANG, J.	2799			
KULABUKHOV, YU.S.	1908				LANGKAU, R.	562	713		
KULISIC, P.	1975*	2036*	2326*	3963	LANGMANN, J.	2167*			
KUMABE, I.	474*	536*	537*	630*	LANGSDORF, JR., A.S.	3*	6	75	223
	667*					231*	234*	283	571
KUNNMANN, W.	3188					784	970	1002	1259
KUO, L.O.	986					1606	1647	1757	2351
KUROGA, P.K.	1945	2314	2707	3150		2924*	3057	3058	3133
	3562					3143	3513		
KUROV, M.A.	3391				LANGSFORD, A.	1514*	-1514*	1563	-1563
KUSCH, W.	1890					1692*	2015	3149	3332*
KUSHNERIUK, S.A.	1386	2915			LANNING, D.D.	2570			
KUTIKOV, I.E.	1118	-1159	1360		LANTZ, P.M.	944	2311	2722*	2723*
KUTSAEVA, L.S.	1121	1157	1198	1447		2725*	2956*	2967*	
KUZ'MINOV, B.D.	1078*	1079*	1157*	1198*	LANZANO, G.	3646			
	1447	3912	4021	4027	LAPP, R.E.	2863*			
	4054				LARGE, R.S.	2227			
KUZNETSOV, V.F.	226*	388*	4035	4082*	LARSON, D.J.	3888			
KVITEK, J.	2881*	3070*	3275	3917	LASAREV, YU.A.	4058			
	3999*				LASDAY, A.H.	65*			
KYKER, JR., G.C.	719*	720			LASHUK, A.I.	717	865	1797	1845
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LASHUK, A.I.	3386	-3386	4029		* LEONHARDT, W.	3979*			
LASINGER, V.F.	3334*				* LEONOV, V.F.	4062			
LASON, L.	3419*				* LEPENDIN, V.I.	2247	3420		
LATHAM, D.M.	1935				* LEPINE, J.R.D.	3877*			
LATHROP, K.A.	2676				* LERNER, J.L.	1088	1517	1912	
LATONRE, J.R.	4001				* LEROY, J.L.	330*	1133	1134	1330
LATYSHEV, G.D.	868				* LESHCHENKO, B.E.	3775*			
LAUBER, A.	762	1841*			* LETESSIER, J.	3406			
LAURAT, M.	455	971	1693	1737	* LEVIN, J.S.	2060*			
	2061	3795	3946			397	451	459	476
LAVALLE, D.E.	2937					500	691	815	1238*
LAVATELLI, L.S.	2798					1645*	1973	2719	
LAVRENCHIK, V.N.	-1159	1360			* LEVIN, M.	308	1384		
LAHRENCE, G.P.	656				* LEVKOVSKII, V.N.	323*	350	351*	930*
LAZAR, N.H.	305	345				2005	2006	4071*	4083*
LAZAREV, YU.A.	4051				* LEVY, A.J.	2765	2986		
LBov, A.A.	580	1520	1882	2300	* LEVY, H.A.	2816	2837*		
	4073				* LEVY, P.	1605			
LE BARS, M.	3881				* LEZHANSKI, Z.	2359			
LE COQ, G.	3122				* LEWIS, H.W.	732	889	1043	1049
LE PIPEC, C.	19	2283*			* LEWIS, R.E.	3025*	3534*		
LE POITTEVIN, G.	-1813	-1817	-1878	1951	* LEWIS, R.H.	675	2641		
	2003	2129*	-2547	-3118	* LEWIS, W.B.	1386			
LE RIGOLEUR, C.D.	3172				* LICHTENBERGER, H.V.	916			
LEACHMAN, R.B.	346	1161*	-1373*	-1374*	* LIDOFKY, L.J.	3224			
LEARY, J.A.	2629	3242			* LIEWERS, P.	1870			
LEBEDEV, P.P.	877*				* LIGENZA, J.R.	2553			
LEBEDEV, V.I.	1097	1098	1120	1123*	* LILLIE, A.B.	78*			
	1124*	1156*	1193		* LIN, C.S.	3288	-3288	3289	
LEEDEVA, N.S.	204	755	1643	4026	* LIN, S.-C.	3288	-3288	3289	
LEBEDEV, A.M.	2826				* LIN, S.-Y.	-2365	-3282	3960*	
LERLANC, J.M.	20	-548	593	683	* LIND, D.A.	11*	135		
	-936	1774*			* LINDNER, A.	843			
LEBOWITZ, J.M.	280	3197*			* LINDNER, M.	759	3267	3450	3498
LEDDICOTTE, G.W.	1456*	2702				3559			
LEE, T.J.	3288	3289			* LINDOW, J.T.	2583	2989*	3214	
LEE, Y.H.	3289	3288	3289		* LINDSAY, J.O.	3436			
LEE, JR., L.L.	665				* LINDSAY, R.H.	3441*			
LEFEVRE, H.M.	168*				* LINDSEY, J.S.	2358			
LEGROS, G.	629				* LINDSTROM, G.	457*			
LEHTO, H.K.	2526*				* LINENBERGER, O.A.	309*	313*		
LEIGHTON, H.G.	3586				* LINEV, A.F.	1521*			
LEIPUNSKY, A.I.	363*				* LINOR, H.I.	1395*			
LEITH, C.E.	281	1568	1582	1748	* LINUSSON, H.	3663*			
LEMLEY, J.R.	-3062*	3938			* LIU, H.I.	2945	-3059	-3060*	3121
LENZ, G.H.	2113					3145*	3555	3556	3568
LEONARD, J.W.	3527					3579	3580	3591	3600
LEONARD, JR., B.R.	241*	-308*	479	918*		3625*	3632	3634	3635*
	967*	989*	1104*	1136*	* LIPSON, S.J.	3835*	3840*	3955	
	1180*	1181*	1195	1208*	* LISKIEN, H.	3888			
	1215*	-1246*	1333	1381*		892	893*	1714*	1738
	1391*	1430*				1847*	1893*	2892*	3785

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LISKIEN, H.	3792	3896*			LUNDBERG, B.	3359	3301	3661*	3710*
LISLE, J.C.	2269					3715	3717		
LISMAN, F.L.	1077*	1539*			LUNDGREN, G.	2084*			
LISTER, D.	-885*	1657*	2413*		LUSCHER, E.	32*			
LITTLE, JR., R.N.	94	197*	479*		LUSHCHIKOV, V.I.	2260			
LITTLER, D.J.	-1313	1314	1385*	1623	LUTHY, B.	552			
LOCKE, J.G.	2229	2658	2728		LUTSENKO, V.N.	2877			
LOCKETT, E.E.	3938				LUTZ, H.F.	952			
	1385	2229	2562*	2658	LUX, F.	2172*			
	2728				LYKAAS, M.	3348			
LODIN, G.	-2890	3350			LYLE, S.J.	2521			
LOGAN, C.M.	3536				LYNN, J.E.	227*	254	348*	442*
LOMKAZY, S.S.	2826					902*	1235	1251	1805
LOMADUR, F.	1168					1974	2471	3940*	
LOMCHAMP, J-P.	2820					305	526*	684	909*
LONE, M.A.	2264*	2317	2344	3082*	LYON, W.S.	1287	1295	1462	2213*
	3084*	3090				2665*	2702	2858*	
LONG, E.A.	2798					3288	-3288	3289	
LONG, R.W.	197				MA, P.P.Y.	1071			
LONGO, D.	2068				MAC DONALD, R.I.	23	24	319*	356*
LONGO, M.J.	1948	2350	-3160	3180	MAC GREGOR, M.H.	387*	592	905*	
	3475	3518	3620*			3232	3485*	3503	3522
LONGUEVE, M.	377	3795			MAC MURDO, K.W.	-2109			
LONGIRO, S.	188				MACDONALD, D.	2233	2458*	2767	
LONSJO, O.	130				MACFARLANE, R.D.	559*	567		
LOPATA, C.	-2547	3118			MACHHE, M.K.	1184			
LOPEZ, W.M.	465	1026	1479	-1531	MACKENZIE, D.R.	1*	16*	305*	-335
	-1531	1956	1990	1994	MACKLIN, R.L.	454*	519	526	677
	2128*	2154	2268	2286		799*	904*	938*	997
	2745	2752	2855*	-3063		998*	-998	1052*	1287*
LORRAIN, P.	567					1296*	1304*	1405*	1807*
LOTTIN, A.	1025	2149	2434	3135		1937	1940*	2279*	-2384
LOUDE, J.F.	1556					2553	-3065*	3130	3138
LOUGHEED, R.W.	1335	3274	3469	3472		-3138	-3228	-3231	3551*
LOUNSBURY, M.	1154	1177	1206	1282		3567	3588*	3837	3848
	1311	1348	1433	2875	MACNAMARA, J.	4005			
	2915*				MACQ, P.	2681*			
LOVCHIKOVA, G.N.	411*	596*	708*	848*	MADANSKY, L.	233			
	901*	1044	1908	1932	MADAJ, M.	572			
	2360	2535	4072	4081	MADSON, A.A.	3851			
LOVE, T A	3458	3506	3507	3511		1789	2076	2299	2533
	3512	3521	3557	3558	MAECK, W.J.	2694			
	3584	3617	3628	3842	MAGLEBY, E.H.	1077	1539		
LU, M-T.	1126				MAGNUSON, D.W.	255	1022	1136*	
LU, W.-D.	2837	2853*	3433*	3834	MAGNUSSON, L.B.	1288	1290		
LUCAS, B.	3120	3806			MAGURNO, B.A.	1978*			
LUCHES, A.	1941				MAHONEY, F.S.	2573			
LUDEMANN, C.A.	3885				MAIA, H.A.	-3243			
LUEBKE, E.A.	2787				MAIENSCHIEIN, F.C.	3877			
LUGMAIR, G.	2244				MAIER, B.P.	2124			
LUKIC, Y.	2132*				MAINSBRIDGE, B.	1560			
LULIC, S.	2427*					800*			
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MAISTRENKO, A.N.	3396	3399			MARSH, K.V.	759			
MAJUMDAR, N.K.	660	2203*			MARSHAK, H.	143	154	157*	394*
MAKAROV, YU.V.	829					-394*	737	1058	1170*
MAKOFOSKE, W.	3579	3632	3634			2252	2343*	2448	2449
MAKSYUTENKO, B.P.	1425*	2527*				2457*	2468*	3149*	
MALAN, J.G.	2883*	4013			MARSHALL, N.H.	37	-1112	-1194*	1358
MALARODA, R.	1618*					2907			
MALCOLM, R.	1681				MARTALOGU, N.	196	-1526	2900	
MALECKY, H.	3317*				MARTEGANI, A.	349	613	617	1263
MALETSKI, KH.	3015*	3045*	3047*	3049	MARTIN, E.B.	311			
	3419				MARTIN, F.D.	2025	3088	3167	
MALIEVSKII, A.D.	350				MARTIN, G.R.	2828			
MALIK, S.S.	606	3042	3478*	3627*	MARTIN, H.	1354			
MALINKIN, A.I.	1125*				MARTIN, H.C.	91*	102*	299*	933*
MALMBERG, P.R.	2165*					1145			
MALYSKOG, S.O.	1051*	-1051	1841	3684*	MARTIN, J.	1754			
MALYSHEV, A.V.	1825*				MARTIN, J.P.	1677*			
MANDELVA, L.YA.	2247				MARTIN, J.T.	-3245			
MANDANSKY, L.	3195				MARTIN, P.W.	1666	1694*	2482	
MANDEVILLE, C.E.	161	197	473	-770	MARTIN, R.C.	1654	2281*		
MANERO, F.	787	972*	1804*	2536*	MARTIN, T.C.	3501			
	3665*	3666*	3667*		MARTIN, W.J.	944	2311	2965	
MANGAL, S.K.	884*	908*	1957*	1961*	MARTIN, JR., D.S.	2955			
MANGIALAJU, M.	1434*				MARTINI, M.	2829			
MANI, O.S.	230*	374	622	739*	MARTINS, O.W.	-2221	3852		
MANJUSHREE MAJUMDER	4008*				MARTYNOV, N.P.	4073			
MANLEY, J.H.	2787*				MARUYAMA, M.	1751	2323	2589	3207
MANN, D.P.	2043*	2072*				3775	3776	3777	
MANN, H.M.	1638				MASLEN, E.N.	2115			
MANNING, O.A.	2814	-3036			MASLENNIKOV, B.K.	1518			
MANNING, W.M.	1135	1174	1503		MASLIN, E.E.	1214*			
MANTHURUTHIL, J.C.	3583	3585			MASLOV, G.N.	2897*	3427*		
MAOR ZELLERHAYER, D.	3964*				MASTERS, C.F.	1533*			
MARCAZZAN, G.M.	1760	2257*			MASTERSON, T.G.	-2879	3345*		
MARCAZZAN, M.G.	468	849	2053		MATEESCU, N.	2650			
MARCELLA, T.	3564				MATEICIUC, V.	1928	3073*	3074*	3280*
MARCELLA, T.V.	3844					3859			
MARCH, P.V.	447*	446*			MATHER, D.S.	1068	1071	1074*	1155*
MARCINKOWSKI, A.	1909	1910	2340	2366		1655	1866*	2092*	253*
	-2366	3053	3811	3813		2600*			
	3814	3818	3854	3986	MATHEWS, D.R.	-3063			
	4010	4012			MATHUR, S.C.	1042*	1713*	1728	1730
	3279	3281				1731*	1732	1778*	2697*
MARINESCU, L.	1761				MATOGA, H.	3736	3737	3739	3754*
MARINI, A.	129*	134*	500*		MATSUKI, S.	3754			
MARION, J.B.	2134	2309	2605*		MATTHEWS, C.	2978*			
MARION, J.P.	4063				MATTOS, M.C.	2256	2883*		
MARKELOV, I.P.	1521	3026			MATTSSON, C.G.	3715			
MARKOV, B.N.	4053				MATVIENKO, V.I.	3405			
MARKOV, D.A.	1959	2391*	4006*		MAURER, W.	2873*			
MARKOVIC, V.	2642				MAXSON, O.R.	1673	1933*		
MARMIER, P.	3803				MAY, A.N.	2627*			
MARQUETTE, J.P.									

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MAYR, E.	3957				* MEADS, R.E.	2931*			
MAZARI, M.	116	133*	975*		* MEAKER, C.L.	44			
MAZUR, C.	3900				* MEASDAY, D.F.	1055*	1056*	1581*	1605*
MC CALLUM, G.J.	230	436*	622*		* MEASON, J.L.	1976			
MC CARTHY, J.S.	1169	2018*	3227		* MECH, J.F.	1141	1474	1979	
MC CLOUD, G.H.	648				* MEDICUS, H.A.	1554	2281		
MC CLURE, G.W.	202*				* MEDNIS, J.	2781			
MC CLURE, J.W.	405	566	952	1622	* MEDVED, S.V.	1571			
MC CONNELL, D.B.	-1514	1692	2609		* MEDVEDEV, A.N.	4045			
MC CORRISTON, T.P.	3180				* MEHLHORN, H.A.	1969*			
MC CRAFY, J.H.	505	1720			* MEHTA, G.K.	1371			
MC CROSSON, F.J.	3503				* MEHTA, M.K.	2601			
MC CUE, J.J.G.	291				* MEIER, R.W.	29*	468*		
MC DANIEL, B.D.	177*	1246			* MEISTER, A.	4095			
MC DANIEL, F.D.	3247*	3586*	3836		* MEISTER, H.	2705*			
MC DANIELS, D.K.	3194	3446	5537		* MELAIKA, E.A.	2523*	2755		
MC DICKEN, W.N.	1920*				* MELDNER, H.	843			
MC DONALD, J.	3910*				* MELKONIAN, E.	53*	100*	230	308
MC DONALD, M.W.	3247				*	1221	1222*	1302	1329*
MC DONALD, W.J.	1681*	2016*	3825	3830	*	1371*	1384*	1773	1995
	3833				*	3327	3438		
MC ELLISTREM, M.T.	686	834	1775	1783	* MELKONIAN, M.L.	1222			
	1822	2010	2371	2588	* MENDOZA, B.	2272			
	2749	2763	3582	3583	* MENGE, E.E.	769	2328		
	3585	3903	3911		* MENKE, J.	3493			
MC ELROY, W.N.	2356*				* MENLOVE, H.O.	1096	1547*	-1547	1686*
MC GARRY, W.I.	262*	1410*			*	1698*	1952	2117	3165*
MC GIE, M.R.	3151	3196			*	3492			
MC ILWAIN, A.	3527				*	2401*			
MC KEOWN, J.	3895				* MENON, M.P.	1627*	-2585*	3927*	
MC KEOWN, M.	1946	2241	2277	2647	* MERCEZ, F.	3205			
	2670	2876			* MERLA, M.	216*			
MC KINNEY, H.O.	2777*				* MERRISON, A.H.	1348	1604*	2479*	
MC MILLAN, D.E.	1172				* MERRITT, J.S.	2560	2567		
MC MILLAN, E.M.	286	-2804*			* MERRITT, W.F.	349	1434	1760	
MC MILLAN, J.	2188				* MERZARI, F.	534	729*	2013	
MC MILLAN, W.	2188				* MERZBACHER, E.	3338*			
MC MURRAY, W.R.	1265	1267	2883	3923	* MESSELT, S.	3318			
MC NAIR, A.	209				* METLEV, A.A.	1475	1517	1980*	
MC NALLY, J.H.	-797	2081*	2861	-3062	* METTA, D.N.	300			
	3141				* METZGER, F.R.	233	804	1263	3708
MC NATT, D.	3488				* MEULDERS, J.P.	3686			
MC NAUGHTON, M.W.	3456				* MEULEN, D.R.	2716			
MC NEILL, K.G.	2609*				* MEHWERTER, A.C.	1277	-2757	3270	
MC PHERSON, M.R.	3139*				* MEHWERTER, J.L.	3790*			
MC REYNOLDS, A.W.	2397*	2817*			* MEWISSEN, L.	794*			
MC TAGGART, M.H.	277*	1068	2375*		* MEYER, V.W.	597*	-597	748*	-748
MEADOWS, J.W.	768*	891*	-1040*	-1062	* MEYERHOF, W.E.	2791*			
	1154*	1327*	1334	2175*	* MEZENTSEV, L.N.	3421			
	3153*	3218*	3249*	3342	* MICHAELIS, W.	3653*	3654	3655	
	3462*	3592*	3599*	3629*	* MICHAUDON, A.	19*	604	963*	1017*
	3636				*	1035*	1330	1349	1496

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MICHAUDON, A.	1498	1734	1963	2145	MITCHENKO, V.O.	2339			
	-2145	2149	2152	2283	MITRA, B.	907*	1740*	2058	2368*
	2617	3119	3120	3125		3307*	-3307*		
	-3125	3126	-3126	3135	MITTLER, A.	2588	2749*	2763	3564
	3204					3582	3590*	3644	3889*
MICHEL, M.C.	366	825	1149		MITYAEV, Y.I.	1118			
MICHELETTI, S.	1870	2062	2587		MITZEL, F.	1828*			
MESSNER, H.	3656				MIYANO, K.	3746*			
MIGNECO, E.	1536	1537*	1544	3611*	MIZE, J.P.	124			
	3065	3111	3132*	3205	MIZUMOTO, M.	3968			
	3208*	3647	3649		MOAT, A.	1068*	1074	1155	
MIGUN'KOV, O.A.	4088				MOBLEY, R.C.	147	154		
MIHAI, I.	3279	3291			MOHINDRA, R.K.	3305	3808*		
MIHAILESCU, I.M.	3995*				MOHSEN, M.	3988*			
MIHAILOVIC, M.V.	2232	3017	3810		MOLCHANOV, YU.D.	3412			
MIKAEYAN, L.A.	1098				MOLDAUER, P.A.	1996	3128		
MIKHAILINA, K.M.	487*				MOLHO, N.	2062			
MIKHAILUS, F.F.	1364				MOLINSKI, V.J.	2645			
MILAZZO, M.	468				MOLLA, M.I.	3310	3962		
MILIGY, Z.	1695	1991			MOLLER, H.B.	2243*			
MILJANIC, D.	2008*	3298*	3299*		MOLSON, F.	3185			
MILLER, A.E.	590	-590			MONAHAN, J.E.	231	571	807	1259
MILLER, D.	1580					2012	2351	3052	3057
MILLER, D.G.	2374*					3058	3133	3143	3473
MILLER, D.W.	71	72	80*	186*		3513	3523		
MILLER, L.B.	2190*				MONTAGUE, J.H.	618	724*	787	1377
MILLER, L.G.	228	1249	-1249*	1437		1738			
	-1437	1493	2095	2905	MONTGOMERY, T.C.	3196	3456*		
	2906				MONTGOMERY, JR., H.E.	2025			
MILLER, P.D.	677	1058	1850	2384*	MOON, R.M.	3545			
	-2384*				MOORE, J.A.	393*	880	1214	1773
MILLETT, W.E.	817	1705				1836*	2382	2610	
MILLIGAN, R.F.	2622				MOORE, J.D.	3178			
MILLS, JR., R.L.	503	532	835		MOORE, H.S.	37	797*	-797*	1013
MILLS, JR., W.R.	148	1704				1030	1103	1110*	1184
MILMAN, B.	41	2337				1249*	-1249	1250*	1252
MILONE, C.	188					1291*	1308	1358	1435
MILSTED, J.	1980					1437*	-1437*	1483	-3062
MIN, K.	3543					3141*	3615	3618	
MINETTI, B.	1876*	1902*			MOORE, R.G.	-681			
MINOR, T.C.	2025*				MOORE, W.E.	542	671	2248*	2637
MIRIC, P.D.	1703					2975*			
MIRZA, S.	2282	2295			MOORING, F.P.	185	565	1259	1649*
MISCHKE, R.E.	3264	3524	3630			2012*	2351	2407	3005
MISHCHENKO, KH.D.	1121					3057	3133	3143	3473*
MISHCHENKO, V.A.	2996	3394				3513			
MISKEL, J.A.	313	759*	1545		MORGAN, G.L.	2372*	3506	3507	3511
MISSIMER, M.C.	2020					3512	3557	3558	3584
MITCHELL, A.C.	583	595	605	1723		3617	3628	3842*	
MITCHELL, G.E.	732				MORGAN, I.L.	383	422	485*	576
MITCHELL, J.A.	3482					579	-681	942	1027
MITCHELL, P.	1093*					1029	1042	1713	1716

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MORGAN, I.L.	1720	1724	1725	1728*	* MUEHLHAUSE, C.O.	146*	844	562	1285*
	1730*	1731	1732	1733		1303	1794	2023	2377
	1779	2116	2130	2897		2406	2506	2670	2733
	3324	3623				2784	2869*	2970	
MORGENSTERN, J.	881	-1813	1817	-1817	* MUELLER, K.-N.	3652	3657		
	1853	1854	1872	1878	* MUELLER, M.H.	2561	2877*	3182	3239
	-1878	1923	1951	2003	* MUENZER, R.	3982*			
	2114	2119	2129	2218	* MUENZER, H.	2475*	3664		
	2473	2485	2537*	2547	* MUETHER, H.R.	1470*	2094	2317	3082
	-2547	2604	3032	3033	* MUGABAGHAB, S.F.	2094*	2245*	2263*	2267*
	3043	3118*	-3118*			2667*	3113*	-3113*	3114*
MORIN, K.	-1009					3152*			
MORINAGA, H.	3746				* MUIR, D.H.	3219*			
MORITA, S.	538*				* MUIRHEAD, H.	847			
MOROKA, V.I.	2360				* MUKHERJEE, S.K.	660*	860*	2137	2258
MOROSOV, A.P.	4028					2403			
MOROZ, Z.	2712				* MULLER, K.-N.	3067			
MOROZOV, I.G.	2247	2939			* MULLER, R.	2799			
MOROZOV, V.M.	204	522	612	755	* MUNNICH, F.	900*			
	1628	1643	2802	4026*	* MUNNO, F.J.	764	2328		
MORRISON, G.C.	164*	847			* MUNRO, JR., J.K.	1855			
MORTON, K.W.	1205	-1385			* MUNZER, H.	614	615	1873	1674
MORTON, H.T.	447	448	947			1879	2596	3028	
MORZEK, P.	3976				* MURADJAN, G.V.	4018*	4042*	4046	
MOSES, A.J.	2855*				* MURADYAN, G.V.	597*	894	2112	2187
MOSINSKI, G.	3807	3821				2381	2387*	2435*	2507*
MOSKALEV, S.S.	68	894*	1118	2112		2603	3044*	3424	
	2187	2250	2381	2603	* MURIN, A.N.	2235	2671*		
	4053				* MURIN, I.D.	2940			
MOSNER, J.	1943*				* MURPHY, R.D.	1933			
MOSS, N.	456	1188	2554*		* MURRAY, J.	3209			
MOSTOVA, T.A.	4042				* MURRAY, J.J.	2642*			
MOSTOVAJA, T.A.	1293*	-1293*			* MURRAY, R.B.	506*	551		
MOSTOVOI, V.I.	956	4042			* MURTHY, P.V.R.	3618*	3620		
MOTT, G.	1586				* MURZIN, A.V.	4032	4037	4039	
MOTZ, H.T.	1860	1561	2424	2659	* MUSA, M.D.	3561			
	2812*				* MUSAELIAN, R.M.	491	493	4033	4034
MOHATT, R.S.	2760*	3183*	3193*			4057	4059	4069	4070
MOXON, M.C.	346	409	-409*	442	* MYACHKOVA, S.A.	650*			
	1005	1213*	1251	1253*	* MYASISHCHEVA, G.O.	339*			
	1353	1355	1510*	1806	* MYCOCK, C.M.	1213	1253		
	1858*	1880*	1949	1974	* MYERS, V.W.	809			
	2090*	2153*	2158*	2285	* MYERS, W.A.	3559*			
	2380*	2503	2518*	2553*	* MYSLEK, B.	3820			
	2838	3040	3085	3935	* NADKARNI, D.M.	3281*			
	3937*				* NADTOCHIL, V.G.	706			
MOYER, B.J.	1748				* NAGAHARA, T.	3735			
MOYER, W.R.	840	1654	2942	3003	* NAGAMINE, K.	3744			
	3092	3112			* NAGEL, W.	1777*	3685*		
MRKVICKA, D.R.	1185				* NAGGLAR, V.	1024			
MUBARAKMAND, S.	4014*				* NAGI, J.L.	2988			
MUCKENTHALAR, F.J.	1199				* NAGI, S.	-1672			

AUTHOR

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* AUTHOR

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AUTHOR	CITATIONS				AUTHOR	CITATIONS			
NAGLE, R.J.	759	3267	3450	3498*	NEITTER, F.	1024	-1024*	1472*	1619
NAGY, J.L.	3815	3850				-1813	-1817	1853	1872
NAGY, S.	1675	3294	3304			1951	2003	2114	2119
NAIR, K.G.	3296*					2129	2218	2282	2287
NAJZER, M.	3017	3909*	3810			2235	2473	2485	2604
NAKADA, H.P.	402*	405	561	566		2617	2863	3032	3033
NAKAGAWA, T.	3751					-3118			
NAKAI, K.	875*				NEUERT, H.	417	457	562	586
NAKAJIMA, Y.	1852	2893	3761*	3908*		651	713	1682	
NAKAMURA, S.	3739				NEUMANN, H.	2211	2675		
NAKAMURA, T.	504*				NEUPOCYEV, B.A.	2940			
NALIBOFF, Y.D.	2512				NEVE DE MEVERONIES, ..	1357	1525*	2236	3035
NAMBIAR, K.K.	2601					3681			
NAMEHSON, A.I.	1558*	3215	3252	3570*	NEWBURY, E.O.	2629			
NANJO, T.	3759*				NEWBURY, R.S.	3559			
NAPIORKOWSKA, H.	-2887				NEWKIRK, L.L.	7	594	1021	
NARDINI, J.	3889				NEWSON, H.W.	143*	154*	157	169
NASCUTIU, T.	3291					325	508	509*	534*
NASTRI, G.	2205	3601				697	719	720	723
NASYROV, F.	1125	1518	2990*	2997		726	727	729	729
	3427					735*	737*	747	855
	-2058					1048	1226	2013	2408
NATH, A.	547*	506	1735	3849*		2410	2421	3638	
NATH, N.	1651*				NEWSTEAD, C.M.	1328	3135	3136	3800
NAUCE, H.J.	501*				NEWTON, D.	1664			
NAUTA, H.	2743*	3066	7297*		NGUYEN KONG KHAN	3028			
NAVALKAR, M.P.	920				NGUYEN NGUYEN PHONG	2154	2204		
NAZAROV, H.S.	1552	2093	-2517	3072*	NGUYEN, V.S.	1627	1640	-2585	
NEBE, J.	3391	3328*	3329	3651	NICHOLS, O.B.	834*	1775*	1783*	2010*
NECHAJ, J.F.	1422				NICHOLS, L.L.	2750			
NEFEDOV, V.N.	4087				NICHOLS, P.F.	154	534	723*	2809*
NEFEDOV, V.V.	850*	1708	1721*	2671	NICHOLSON, K.P.	344	511	959	
NEIDHARDT, H.J.	404				NICODEMUS, D.B.	403	2791		
NEILER, J.H.	15	269*	677	1850	NIELSEN, O.B.	2634			
	238*				NIEMI, N.J.	2928			
NEILL, J.M.	854	2511*	-3063		NIESE, S.	3974*	3975*	3976*	3977*
NEILSON, G.C.	3825	3830	3833			3978*			
NELLIS, D.O.	1027*	1724*	1725*	1728	NIFENECKER, H.	1240*	-1240*	1241*	1242*
	1730	3324*	3501	3623*	NIGHTINGALE, R.W.	3198			
NELSON, B.K.	1586				NILER, A.	3245	-3245	3257	3271*
NELSON, C.E.	3133	3509	3510*			3468	3614		
NELSON, C.M.	2740*					3703*			
NELSON, J.A.	3148	3234	3474*		NIJENHUIS, J.O.	2228			
NEMILOV, YU.A.	2111	3405	3426*	4068*	NIKITIN, A.M.	3429			
NERESON, N.G.	504*	928	3242		NIKITIN, E.A.	965*	1212*	1316	2826*
NESTEROV, B.V.	-3386	4049	4050		NIKITIN, S.YA.	1759*			
NESTEROV, V.G.	529*	632*	993	1157	NIKLAUS, J.P.	808			
	2195*	3392*	3415	3421	NIKOL'SKII, I.U.V.	1000*	4017		
	3422	3429	3884	4035	NIKOLAEV, M.N.	2260			
	4044	4052			NIKOLENKO, V.G.	3359	3361		
NETHAWAY, D.R.	590	2020*	2272*	3437*	NILSSON, L.	3355*			
NETTER, F.	881	968	994*	-994*	NILSSON, R.	2781			
					NILSSON, T.				
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NIND, P.J.	1865	2600			OKOROKOV, V.V.	965	1231		
NIND, L.C.V.	2839				OKUBO, M.	2893			
NISHIMURA, K.	1023*	1727*	2475	3028	OKUMURA, S.	1871*			
	3751*				OKUN, L.M.	2025			
NIZAMUDDIN, S.	3920*				OLEKSA, S.	396*	497		
NOBLES, R.A.	105	122	345	346*	OLIPHANT, T.A.	1973			
	352	359	517	518*	OLIVA, A.	3474			
	532	2796	2936*		OLIVER, B.H.	2756			
NOBLES, R.G.	1151				OLIVER, J.H.	1130	1199	1441	2662
NODA, F.T.	3322					2724	3326		
NOHADANI, H.	2348				OLKOWSKY, J.	374			
NOHOFILOV, A.A.	487				OLSEN, C.E.	3477	3483	3838	3839
NONAKA, I.	194*	3747*			OLSEN, J.	3704*			
NOREM, J.	3630				OLSEN, W.C.	730	2477*		
NOTARRIGO, S.	638	1887			OLSON, H.G.	3486			
NOTSA, A.	3958*				OLSON, R.A.	149	-444		
NOVACK, D.	3815	3650			OLUM, P.	1450*			
NUCKOLLS, R.G.	174	176*			OMOHUNDRO, R.J.	1410			
NURMIA, M.J.	443*	932*	2969*		OMS, L.A.	2841*			
NURPEISOV, B.	3392	3415	3421	3422	OSAKI, T.	3897			
	3884	4035	4052*		OP DE BEECK, J.	3718*			
	3662	3713*			OP DEN KAMP, A.M.F.	3688	3692	3696*	
NYBERG-PONNERT, K.	1413*	1459*			OPARIN, E.M.	917*			
NYER, H.	3715*	3717*			OPITZ, W.	1590			
NYSTROEM, G.	2706*	3494*	3533		ORLANDER-ANDERSEN, P.	1763			
O'BRIEN, JR., H.A.	521	550	623*	627	ORGEVREN, Y.	3669			
O'CONNOR, L.P.	1948	2350	3475		ORISTEA, OH.	3280			
O'FALLON, J.R.	3195				ORLOV, V.V.	2247			
O'NEILL, L.H.	3240				ORPHAN, V.J.	2415	2512	3259	3826
OBERTUEFFER, J.A.	3856	4002			ORTH, C.J.	3156*			
OBLZINSKY, P.	3440*				ORVINI, E.	2210	2211	2675	
OBST, A.W.	205*				OSAKIEWICZ, W.	3851	3859	3985	
ODA, Y.	1197*	1208	1215		OSBORN, A.R.	2386*			
ODEGAARDEN, R.H.	3863*				OSBORNE, C.L.	2442			
OEHLER, H.	3430*	4051	4058		OSTAPENKO, YU.B.	3389			
OGANESYAN, YU.TS.	474	536			OSTROWSKI, J.M.	2555			
OGATA, H.	4037	4037	4039	4091	OTIS, J.N.	3185			
OGORODNIK, A.F.	4092	4093			OTOMO, S.	2788			
	1852	3733	3761		OTROSHCHENKO, G.A.	258*	522	612	624
OHKUBO, M.	1615					2373	1059	1529	1628
OHLEN, G.G.	1877*	3763	3767*	3769		625	3313	3414	3432
OHNO, Y.	3763	3767			OTTER, J.M.	1935			
OHOMO, S.	1877	2249*	3763*	3767	OTTMAR, H.	3584			
OKAMOTO, K.	3769	3771*			OUVRY, F.	1328	3655		
	1023				OUVRY, J.	1330			
OKANO, K.	90	101*	123*	290	OVER, Y, J.C.	3491*			
OKAZAKI, A.	1282*	1433*	3468*		OVERMAN, R.F.	2103			
OKHUYSEN, JR., P.L.	422	574*	579	766	OVERSETH, JR., O.E.	1745*			
	817	1029	1615	1705*	OWEN, G.E.	279	572		
	1719				OWENS, R.O.	1809	1883		
OKI, S.	474	536			OZHONYANI, L.	1600*			
OKOLOVICH, V.N.	3421				PADUN, G.S.	3409			

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PA1, H.L.	1799*				* PASHKIN, N.F.	1518	2997	3427	
PAIC, G.	1613	1614	1636	1917*	* PASHA, P.J.	-335	347	597	998
	2008	2367*	2427	2691*	* PASQUARELLI, A.	-998			
	3292				* PASSELL, L.	1848	1876	1902	1921*
PAIN, L.F.	2519				* PASSELL, T.O.	1346	2654	2788	3188
PAL'SHIN, S.S.	3313	3432			* PATELL, R.	1689			
PAL, L.	3223*	-3223*			* PATIN, Y.	3904	3911	3941	3944
PALEVSKY, H.	459	465*	730	809	* PATON, M.G.	2115*			
	880	990*	995*	1300*	* PATRICK, B.H.	1080*	-1080*	3933*	3934
	1415*	1460*	1470	1805*	* PATRONIS, J.R., E.T.	2482			
	1636	1838*	2057*	2382	* PATTENDEN, N.J.	371*	409	413*	802
	2414	2497	2504	2690		958*	1086*	1105*	1114*
	2806*					-1114*	1218*	1239*	-1239*
PALEY, P.N.	1490	2196	2362			1353	1409*	1463*	1481*
PELLA, G.	1701	2510				1793*	2139*	2146*	2147*
PALMEDO, P.F.	3159					2148*	-2148*	2171*	2400*
PALMER, G.H.	2229	2658				2544*	2616*	2720	3050*
PALMER, R.B.	853					3605	3923*	3925	
PALMER, R.R.	138*	1824	1835*	2331*	* PATTENDEN, S.K.	897			
PALMGREN, A.	3378*				* PATTERSON, J.R.	154	362*	736	2410
PALMIERI, J.N.	1055	1056	3177*	3265*		2421*			
PALMS, J.M.	2002	2841	3184	3474		1906*			
PANCZYK, M.F.	2329				* PATZAK, W.	27*	607	724	1602
PANDEY, M.S.	3578*				* PAUL, E.B.	1941			
PANEK, T.	1767				* PAULI, O.	1050*			
PANITKIN, YU.G.	4019*	4048*			* PAULOWSKI, L.	892*	893	1714	1738*
PANKRATOV, V.M.	740*	983*	1234		* PAULSEN, A.	1847	3785*	3786*	3787*
PANOV, A.A.	1209	1248				3789*	3792*	3896	
PANTUEV, V.S.	1596*	1600	1557*		* PAULSON, C.K.	3893*			
PAPPALARDO, G.	620	2047			* PAVLENKO, E.A.	3398	3407	343*	
PAPPAS, A.C.	3349	3350	3376	3377	* PAVLOV, V.V.	4055			
	3380	3579			* PAMLOCKI, G.S.	265*	1457*	2311	3027*
	3393	3428	3883		* PAYA, D.	924	996*	-1240	1349
PARAMONOVA, I.N.	1626*					1498*	-1498*	1734	2617
PARDO, W.B.	2492					3135			
PARFENOV, V.A.	1728				* PAZSIT, A.	2136	3302*	3993*	
PARKER, C.V.	3160*	-3160*	3180		* PEARCE, K.D.	998			
PARKER, E.F.	944	2311	2686	2965	* PEARLSTEIN, S.	1985*	2622*		
PARKER, G.H.	-3103*	-3104*			* PEARSON, R.K.	1018			
PARKER, K.	2623				* PECJAK, F.A.	1422			
PARKER, M.J.	769	2328	2329	2646	* PECK, JR., R.A.	158*	199	554	688
PARKINSUN, T.F.	3227					1745			
PARKS, D.	720				* PELLE, R.W.	2124			
PARKS, P.B.	365				* PETERS, E.	2033*			
PARSONS, S.I.	3969				* PEIL, A.	1764*			
PARTHASARADHI, K.	3857				* PEISACH, M.	1851			
PASCOVICI, GH.	790*	870*	886	1044*	* PEKAREK, W.	995			
PASECHNIK, M.V.	-1044*	1750	2430	2974	* PELEKHOD, V.I.	2977			
	2991	2995	3000*	3041	* PELFER, P.	2105			
	3316	3394	3398	3398	* PELLARIN, D.J.	193	-1310		
	3407	3408	3409	3420	* PENKINA	461			
	3423	4024	4025*	4074					

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PERCHEREAU, J.
PERELYGIN, V.P.
PEREY, F.G.

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211
650
2011* 2513 3004* 3170
3171 3172* 3175* 3192*
3201 3222 -3228* 3229
3230 3231 -3231* 3447*
3448 3453 3458* 3460
3521* 3531 3549 3550
3553* 3581* 3589 3831
3837* 3842
3262* 3268 3269
1222 1566

PEREZ, R.B.
PEREZ-MENDCZ, V.
PERILLO, E.
PERISHO, R.C.
PERKIN, J.L.

-1061
521* 550 623 626
627 712 745* 758*
838 1072* 1270 1671*
1792* 2181

PERKINS, B.L.
PERKINS, R.B.
PERKINS, S.T.
PERL, M.L.
PERLMAN, H.L.

321
149 -444 1495
-1117*
3475
309

PERONA, G.
PERRIN, A.
PERRIN, C.
PERRIN, G.
PERRIN, P.

1041
772*
-3105 -3105
1242
1660* 1665 -3105 -3105
1424*

PERRY, R.
PERRY, JR., J.E.
PETERSEN, J.S.
PETERSON, J.M.
PETERSON, J.P.
PETERSON, K.C.
PETERSON, R.E.

105 345 532 835
914
22 286 673*
2224*
2550

PETERSON, S.W.
PETIT, G.Y.
PETITT, G.A.
PETO, G.

50 51 52 55*
58* 59* 185 314
2801* 2816* 2937
1913 -3106
1756*
1695 1776* 1991* 2009
-2136 2345 2369* 2836*

PETRALIA, S.
PETRASCU, M.
PETRAVIC, M.
PETREE, B.

108
3279 3291 3995
986
71* 165 2407 2866

PETRISIC, M.
PETROV, YU.O.
PETROV, YU.V.
PETRUSHIN, V.I.
PETRUSKA, J.A.
PETRZHAK, K.A.

3810
2193
2228
4086
2623 2755*
1423 1735 2004 2193

* AUTHOR

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* PETRZHAK, K.A.
* PEVZNER, M.I.
* PFLETSCHINGER, E.
* PHAM, D.L.
* PHELPS, J.P.
* PHILLIPS, D.D.
* PHILLIPS, G.C.
* PHILLIPS, J.A.
* PIASECKI, E.
* PICARD, J.
* PICHLMAYER, F.
* PIEKARZ, H.
* PIERCE, C.R.
* PIETRZYKOWSKI, M.
* PIGNANELLI, M.
* PIKEL'NER, L.B.

* PILCHER, V.E.

* PILIPETS, D.T.
* PINAJIAN, J.J.
* PINEO, W.F.E.
* PINONCELLI, B.
* PINTER, H.
* PIOTROWSKI, J.

* PISANKO, ZH.I.

* PISENT, O.
* PLAKSIN, E.A.
* PLATTARD, S.
* PLENDL, H.S.
* PLEVE, A.A.

* PLJASKIN, V.I.
* PLOSTINARU, D.
* PLUMLEE, K.E.
* POENARU, D.
* POENITZ, W.P.

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* POHL, B.A.
* POIANI, G.
* POIRIER, C.P.
* POLETAEV, E.D.

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3405 4077 4088
68 249 956 1118
1193 1981* 2250 2603*
2599*
1640 -2565
2810
17* 82* 276* 532
544 1646* 3103* 3529
1602
771 1398* 1519*
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449* 710 1766

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2312

2840* 3254*

3819

1870 2062 2587

2068 2075 2077 2144

2160 2447 2474 2487

3015 3045 3047 3080

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196 1521 1526 -1526

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912* 1338 1547 -1547*

1955* 2190 2523* 2734

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3173* 3179* 3190* 3241*

3451* 3467* 3535* 3542*

3886* 3956*

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1618 1941

3583 3585

3318 3391 4060 4094

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POLIKANOV, S.M.	196	1521	1526	-1526	POWELL, W.M.	1579			
	2900	3026			POZE, KH.R.	353*			
POLLEHN, H.	417	566	651*	713	PRAKASH, S.	2330	3312		
POLOZOV, M.V.	4055	4089			PRANAL, Y.	604	3800		
POLYNOV, V.N.	3429				PRASAD, P.R.	1901*	2142*	2334*	-2334*
POMCLAS, E.	330					3668			
POMERANCE, H.S.	258*	342*	882*	1095*	PRATT, W.W.	1199*	2698		
	1130	1405	-1456*	2563*	PRAYDIVII, N.M.	886	1750	2339	2996
	2721*					3394			
PONTEI, F.R.	1020				PREISS, I.L.	598*	667	3486	
POOL, M.L.	-2726				PRESTON, G.	284			
POOLE, M.J.	1742*				PRESTON, W.M.	73	76	85	315
POORTMANS, F.	1357*	1_15*	2236*	2254		1837			
	2470	3035	3065*	3111*	PRESTWICH, W.V.	1900*	2215	3083*	
	3649*	3673*	3695*	3782*	PRESTWOOD, R.J.	119*	163	588	1232
	3790					2207	3561	3890	
POPA, M.	3914				PREWETT, R.L.	1725			
POPA, M.S.	3860	3881	3862		PRICE, B.T.	-227	250*	435	955
POPIC, R.V.	1703					-958	-959	-1176	
POPOV, A.B.	1778	2143	2154	2160	PRICE, G.A.	2810	2878		
	2163	2204	2266	2447	PRIESMEYER, H.G.	3069*	-3069	3084	
	2885	3403	3410		PRIHODIKO, V.P.	2339			
POPOV, D.K.	2671				PRIMEAU, D.B.	2919			
POPOV, V.I.	416*	491	493	846*	PRINCE, A.	3844			
	850	1509	2217	4022*	PROCTOR, W.G.	2417			
	4033	4034	4057	4029	PROFIO, A.E.	1833			
	4069	4070			PROKHOROVA, L.I.	219*	1121	1137	1447
POPOV, YU.P.	615	725	857*	886		2361*	3392	3415*	3422
	172*	1812	1894	1980		3429*	3884	4035	4052
	2067*	2202	2881	3046*	PROKOF'EV, P.T.	2737	3213		
	3070	-3070*	3817		PROKOPENKO, V.M.	4069			
POPOVA, A.M.	494				PROKOPESC, G.A.	3400*			
POPOVA, G.N.	4036				PROKOPETS, YU.S.	3318	3391		
POPOVIC, D.	1400*				PROSDOCIMI, A.	463*	1372		
PORTSKII, L.B.	490				PROSPERI, D.	3914	3915	3917	
PORTES, K.O.	1323	2566	2901		PROSSER, JR., F.W.	2412			
PORTER, D.	3794*	3928			PROTOPOPOV, A.N.	528*	611*	1122*	1322*
PORTER, W.C.	161					2163	339*	4090	
POSE, H.	3863	3973				422	478	574	576
POSER, H.	3980				PRUD'HOMME, J.T.	579	1029*	1719	1720*
POSS, M.L.	78*	206*				1724	1725		
POSTHA, H.	-394	2259	2446*	2448*	PRUSAKOV, A.G.	4088			
	2449	2457	2468	3129	PSHENICHNYI, V.A.	3423	4024	4074	
	3483	3705	3706		PSHITULA, M.I.	2144	2160	-3070	
POTAMANOV, V.I.	2004				PULLEN, D.J.	3564	3844		
POTENZA, R.	476	926*			PURI, S.P.	67*			
POTOKAR, M.	3810				PURKAYASTHA, S.C.	2625*			
POTTER, S.B.	2242				PURSER, K.H.	527*	654	741*	
POTTERS, J.F.M.	3705				PUTZKI, R.	2093			
POULARIKAS, A.D.	662*	667	757	2188*	PYLE, G.L.	1135	1195		
POVELITES, J.J.	2629				PYLE, R.V.	1143	1146	1148	
POWELL, S.T.	3180				PYZHOVA, Z.I.	1490	2196	2382	4047

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QAIM, S.M.	2483*				* RAPAPORT, J.	97	541*	929	1771
QUAN, B.L.	3887				* RASMUSSEN, N.C.	2415*			
QUENTIN, P.	2532				* RASMUSSEN, S.	179*			
QUITNER, P.	1701				* RAU, G.	1815*			
QUIVY, P.	-3105	-3105			* RAUCH, H.	3334			
RABBY, S.	2793*				* RAYBURN, L.A.	232	340*	425*	573*
RABSON, T.A.	800				*	576*	543*	1791	2063*
RACHEV, V.V.	3429				*	2170*	2176*	2182*	
RADKEVICH, I.A.	201*	1209	1248	2027	* RAYNOR, S.	2687			
RAE, E.R.	409	1213	1223	2087	* RAZBUDEY, V.F.	3399			
	2153	2158	247*	2532	* RAZUMOVSKII, L.A.	4085			
	3031*	3924			* REBER, J.D.	1784*	2113		
RAFFLE, J.F.	-227*	-958*	-959*	1176*	* REDDINGIUS, E.R.	3483*	3705*	3706*	
	-1176*	2825			* REDDY, G.R.	2209*			
RAGAINI, R.C.	3472*				* REDMAN, W.C.	1419*	1428*	2531	
RAGENT, B.	310*	1395			* REED, C.H.	644*			
RAGO, P.F.	1506*	1507*			* REED, R.L.	3596*			
RAHN, F.J.	-2666*	-3059	-3060	3121*	* REEDER, S.D.	1076	1446	1464	1524
	3555*	3556*	3568*	3632	*	2628	2641	2906	3095
	3634				*	3530			
RAIEVSKI, V.	1621				* REFORMATSKY, I.A.	2226	2235		
RAINEY, V.S.	1105				* REGIS, V.	1627	1640*	-2585	
RAINWATER, L.J.	44	45	70	100	* REICH, C.W.	1250	1437	2859	3211
	139	173*	189	242	*	3220	3455		
	259	251*	308	814	* REICHEL, J.M.A.	1214	1356		
	-814	961	1221	1222	* REIN, J.E.	1677			
	2079	2472	2476	2945	* REITMANN, D.	-885	-885	-885*	1031*
	3012	-3059	-3060	3121	*	1546	2038	2515	3128
	3555	3556	3568	3579	*	3283	3295	4013*	
	3580	3591	3600	3625	* REMEZ, L.A.	4015			
	3632	7634	3635	3835	* REMLEY, M.E.	1587*			
	3840				* REMUND, A.E.	552	553*		
RAISIC, N.	3363*				* RENDIC, D.	1614	1929*	2367	2691*
RAKHIMOV, A.S.	4038	4050	4061	4079	*	3286	3299		
RAHA RAO, J.	3965	3969	3970	3971	* RETHEIMER, J.	450	1904*	3686*	
RAHAKRISHNA, D.V.S.	2743	3066*			* REYNOLDS, C.A.	-394	1346	2246	2252
RAHANA MURTHY, P.V.	-3160				*	2446	2448	2449	2457
RAHMANIAH, M.V.	2390	3312			*	2468			
RAHMANA, R.	3296				* REYNOLDS, J.H.	2701*	2703*	2968	
RAHASAK, V.	3017	3910			* REYNOLDS, S.A.	2702	2958		
RAMSEY, N.F.	343	1569			* RHEIN, W.J.	481*			
RANAKUMAR, N.	2640*	2747*	2837*	2842	* RIBE, F.L.	85	147*	1637*	1650*
	2843	3433			*	1688*	2122*		
RANDLE, T.C.	1593*				* RIBON, P.	19	1035	1349	1496*
RANDOLPH, M.L.	131				*	1489	2145*	-2145*	2149*
RANDOLPH, P.D.	1798				*	2152*	2155*	2283	2434
RANT, J.	3809				*	2464	2465*	2480*	2617
RAO, C.L.	2390	3312			*	3122	3650*		
RAO, D.A.	729				* RIBRAG, M.	777			
RAO, J.R.	-2334				* RICABARRA, G.H.	2426	3870	3871	3872
RAO, P.V.	1844*	2002*			*	3873*	3959		
RAO, S.A.	3525*				* RICABARRA, M.D.	2426*	3870*	3871*	3872*

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RICABARRA, M.D.	3873	3959*			ROHR, G.	3123*	3124	3643	3652*
RICAMO, R.	29	32	38*	188		3657*	3782	2790	3907
	419	478	620	638	ROHRER, R.H.	697	737	802*	2409*
	926	2419*			ROMANOV, S.A.	1795*	2202		
RICHARDS, H.T.	174	176			ROMANOV, YU.F.	2193			
RICHARDSON, A.C.B.	1170				ROMANOVA, T.A.	487			
RICHMOND, R.	435	955*	1320	1370*	ROMERO, J.L.	2761*	3571		
RICHTER, G.	2619*				ROMSIN, H.	3445			
RICHTER, I.B.	2104				ROOF JR., R.B.	1275*			
RICKARD, I.C.	3791				ROSER, D.C.	2998*	3129	3483	
RIDDLE, R.A.J.	283	2015*	2582		ROSE, B.	40	1402	-1402*	-1514
RIDER, B.	2224					1692			
RIEDER, R.	1873*				ROSE, D.C.	1128	1431	2784	2828
RIEHL, I.	1682	2594	2888		ROSE, H.	897	1162*	1341	
RIEHS, P.	3209*	3336	3924		ROSEN, J.L.	139*	1221	2472	2476*
RIKMAH, K.	3086*	3131	3547	3565*		3012			
SINGIA, F.E.	-3160				ROSEN, L.	25*	127	162*	338*
RINGO, G.R.	962	1624	1691	2680		464	589*	1633	2028
	2786	2790				2335			
	915	2429			ROSIER, L.	1818			
RIPEANU, S.	302				ROSNER, B.	3964			
RISSE, J.R.	3252				ROSSEL, J.	1685	2032	2778	2872
RITTER, J.C.	1292					2874			
RJABOV	3402*	4020*			ROSSLE, E.	1814	2744		
RJABOV, YU.V.	1630	1635	3729*		ROTHENBERG, L.N.	2879*	-2879*		
ROBAYE, G.	2333*	3042			ROTHMAN, M.A.	161*	473*		
ROBERGE, J.P.	109	214	317	861	ROTURIER, J.	1913*	3106*	606	-3106*
ROBERTS, J.H.	1153	1334	1626	1638	ROTZER, H.	3357*			
	2192				ROULSTON, K.I.	3527			
ROBERTS, L.D.	2459*	2466			ROURKE, F.M.	1150			
ROBERTS, T.R.	503	532			ROUSSEAU, C.	1832			
ROBERTSON, J.C.	1072	2156	2205*		ROWE, D.J.	1854			
ROBERTSON, J.D.	3945*	3950			ROWLAND, J.H.	382	-382		
ROBILLARD, T.R.	962				ROY, J.C.	1163	-1163*	2851*	2957*
ROBIN, H.	1690				ROY, L.P.	1163	2624*	2625*	2851
ROBINSON, B.L.	911*	2214				2957			
ROBINSON, H.P.	1473				RUANE, T.F.	2758	3434		
ROBINSON, R.L.	87	781	950		RUBBINO, A.	418	925		
ROBINSON, W.K.	2988*				RUBY, S.L.	2073*			
ROBROCK, K.H.	3098*				RUDEK, E.A.	2393			
ROBSON, J.M.	876	1681	2016	2710	RUDDICK, P.	1102*			
RODENBURG, M.	1904	3686			RUDEMAN, J.W.	2398	2555	2832	
RODRIGUEZ, C.	2191*	2505			RUDISHIN, V.K.	4024			
ROESSER, J.R.	2261*				RUDNICH, H.	3983	3892		
ROFALL, N.B.	4011				RUDYSHIN, V.K.	2991	3408	3423	
ROGERS, A.L.	209				RUIZ, C.P.	2224*			
ROGERS, J.W.	2271	2630	2768*	2770	RUKAVISHNIKOV, V.G.	883			
ROGERS, V.C.	3243*	-3243*	3519*		RUKOLAINEN, G.V.	1490	2196	2362	4047
ROGERS, W.L.	1852*	2583*			RUME, R.F.	-3070			
ROGGEN, F.	2874				RUNDBERG, R.	3892			
ROGULSKI, Z.	3851				RURARZ, E.	2712	2910*	2987*	3819*
ROHR, G.	1552*	3064*	3067	3075*		3820*	3866*		
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RUSCHE, B.C.	2908	3520			* SALIN, M.R.	628	1555	1769	
RUSSELL, B.	46				* SALISBURY, S.R.	329*	415	1843*	2422
RUSSELL, J.E.	923	939	1110	2276		2779			
	-2405	2489	2496*	-3092	* SALMI, E.H.	151			
RUSSELL, JR., J.L.	854*				* SALMON, G.L.	1045*	1664		
RUSTAD, B.M.	805	1286	1396	1773*	* SALTmarsh, M.J.M.	-1514	1692	3885*	
	995	2116*	2805		* SAMOSVA, G.S.	3395			
RYABOV, YU.V.	1034	1294*	1361*	1376	* SAMOUR, C.	-1813	1817	-1817	1854
	3391					1872	1878	-1878	1923*
RYBAKOV, B.V.	740					1951	2003	2129	
RYDIN, R.A.	1895					2547	-2547*	3043	3116
RYVES, T.B.	2156				* SAMPA TH KUMAR, R.	3867			
SAAD, E.	3811	3813	3814		* SAMPSON, J.B.	344*	1172		
SABAU, M.	2569				* SAMSAHL, K.	3348			
SABINE, T.M.	2621	2830*	3454		* SAMSONOV, A.E.	3315	4045		
SACHER, R.	3369*				* SANADA, J.	205	3754*		
SACHS, D.	46				* SANCHE, M.	1035	1496		
SACHS, R.G.	3099				* SANDERS, J.E.	435*	1065*	1092	1205
SADEGHI, A.	374					1217*	1320	1367*	-1385
SADOKHIN, I.P.	717	865	1797	1845		1411*	2319*		
	3386	-3386	4029		* SANDEFS, J.G.	192			
SAEKI, B.	830				* SANDERS, V.M.	3529			
SAELAND, E.	1400	3349*			* CANDULESCU, A.	3279			
SAFFORD, G.J.	805*	1286*	1288*	1302*	* SANISLO, J.J.	3640*			
	1396*	2805*			* SANKAR DAS, M.	3309			
SAFINA, I.N.	1339				* SANKEY, R.R.	3257			
SAFRATA, R.S.	1169	2018			* SANTRY, D.C.	375*	376	659	1846*
SAGANEK, A.	-2887					2085*	2086*	2860	3266
SAGOT, M.	2808*					3435*	3479*	3480*	3516*
SAILOR, V.L.	394	-394	406	1057		3573	3637*		
	1243*	-1329*	1346	1471*	* SANZHUR, I.E.	2986	3394		
	2157*	2237	2243	2246	* SAPLAKOGLU, A.	1332*	1389*	2133*	
	2252	2253*	2259	2327*	* SARGENT, B.W.	2928*			
	2333	2395	2432*	-2440	* SARKAR, D.C.	1901	2142		
	2441	2448	2449*	2457	* SASAKI, T.	3742			
	2463	2467*	2468	2736	* SASSONOFF, S.	4095			
	3042	3076	3129	3483	* SASTRY, D.L.	4004			
	3627*				* SATAROV, V.I.	1587			
SAINT PIERRE, C.	567*				* SATCHLER, G.R.	97	986	1636	
SAITO, N.	3765				* SATO, J.	3765*			
SAKISAKA, M.	539*	830*			* SATTA, A.R.	422			
SAKO, J.H.	2682				* SATTLER, A.R.	866	2862		
SAL'NIKOV, O.A.	414*	848	1509	1908	* SAUTER, G.D.	1233*	1530*		
	1932*	2360*	2535*	4041	* SAYIN, M.V.	3314*	3390*	3428*	3683*
	4072*	4081*			* SAVU, V.	3291			
SALA, O.	49				* SAWYER, R.B.	2550*			
SALAITA, G.N.	3200*	3457*	3471*	3577	* SAXON, D.	1419			
SALAMA, M.	2280	2395			* SAYRES, A.R.	578*	1667	3197	
SALAMATIN, I.M.	3015	3045	3047	3049	* SCALAN, R.S.	531*			
	3317	3419			* SCANLON, J.P.	789	1261	1563*	-1563
SALANT, E.O.	78	206			* SCHAFFERLINGOVA, W.	3276	3277		
SALEH, F.M.	469				* SCHALE, C.	3698	3711	3712	3714
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SCHARBERT, T.	3815	3950			SCHUMAN, R.P.	1163	-1309	1344	1392
SCHARFF-GOLDHABER, G.	170	1946	2241	2277*		1494	2096*	2098*	2315
	2568	2647	2739	2876*		2252	2715*	2716	2759
SCHECTMAN, R.M.	985*					2886	2904*	2966*	3528
SCHEKKA, P.	843	1800	1814		SCHWARTZ, R.B.	1111*	1230	2072	2425*
SCHENKBAUER, P.	3356*					-2425*	2478*	2614*	2620*
SCHENBERG, A.D.	1464	2946				2864	2941*	3051*	3161*
SCHENLENBERG, L.	33	621*				3162*	3164*	3168*	3255
SCHERM, R.	2663*					3493	3539*		
SCHERMER, R.I.	1039*	1346*	2252	2274*	SCHWARZ, S.	1266	1634*	3333	3661
	2449	2973*			SCHWEITZER, P.J.	2162			
SCHERRER, P.	29	32	488		SCHWINGER, J.	-2797*			
SCHERRER, V.E.	113*	292*	294*	2159*	SCOBEL, M.	2896*	3101*	3939	3942
SCHETIAN, R.M.	2614				SCOTT, F.R.	2730*			
SCHIEF, W.A.	3844				SCOVILLE, J.J.	2271*	2284	2630*	2768
SCHIMMERLING, W.	3264*	3630				2769*	2770*	-2770*	
SCHINTLMEISTER, J.	1943	2685			SEABORO, G.T.	1174*	1478		
SCHLACKS, L.K.	83				SEAGONDOLLAR, L.W.	47*	48		
SCHLAEFFER, M.	3370*				SEAGRAVE, J.D.	120*	418	466*	471*
SCHMALZ, O.	3800					499*	555*	1612*	1850
SCHMATZ, H.	1759	2663				3245*	-3245	3271	3537
SCHMELZ, H.	1787*				SEALOCK, R.M.	3481			
SCHMID, A.	3912				SEDLER, J.	1141	1878	2140	
SCHMID, H.	1535	-1535	3038		SEEBECK, U.	899*	2894		
SCHMIDT, G.	1943				SEEGER, P.A.	-1061*	3615		
SCHMIDT, H.	2734	2654	3655		SEELIGER, D.	4095			
SCHMIDT, J.J.	-1331*				SEELY, S.	42			
SCHMIDT, M.	115	1789	2299	2694	SEEMANN, K.H.	542*	671*	2765	-2772
SCHMIDT, W.	3939					2884	2986	3110	3253
SCHMITT, H.W.	16	385*	446*	506	SEGEL, R.E.	1649	3473		
	545	551*	638*	73*	SEGRE, E.	309	1366*	1568	1582
SCHMITT, R.A.	2729	-2729			SEGRE, G.	2894*			
SCHMORAK, M.	2739*				SEHGAL, M.L.	867	1789	1808	2392
SCHMUNK, R.E.	1798*					2655*	2656*	2663	2731*
SCHNEIDER, C.G.	3626*					2856	2953*	3668	3972
SCHNEIDER, M.J.	549*				SEIBEL, F.T.	3477	3838	3839	
SCHNEIDER, R.J.	2189*				SEIDEL, K.	3873	4095		
SCHOMBERG, M.G.	-1080	2107*	3933		SEIDL, F.G.J.	458*			
SCHOTT, J.U.	2744				SEIOER, K.W.	1128*			
SCHOUKY, I.	3800				SEILER, F.	33	621		
SCHRACK, R.A.	-2425	2478	2864	2941	SEITZ, J.	31*			
	3051	3161	3162	3164	SEKHARAN, K.K.	2801*			
	3168				SEKI, M.	1639	3021	3732	
SCHRADER, C.D.	583	595	605		SEL'CHENKOV, L.I.	1520			
SCHRAMMEL, P.	2596				SELIGER, D.	2068*			
SCHRAMK, R.A.	3493	3539			SELIGMAN, H.	2826			
SCHREB, F.	835				SELIM, E.	3683*	3689		
SCHROEDER, I.G.	1946*				SELITSKII, YU.A.	528	611	2111	3105
SCHROEDER, H.P.	1431	1794	2784	2828		4085			
SCHROEDER, V.	3939	3942			SELLERS, P.A.	14	1129	1141	1474
SCHULT, O.H.B.	1560				SELOVE, W.	1588*	2044*		
SCHUMAN, R.P.	360	977*	1112	1150	SEN, B.	821	2180*		
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SEN, S.K.	1655				* SHERMETENKO, B.P.	1121			
SENE, R.	582				* SHEPARD, P.F.	3524*			
SEPPI, E.J.	2-1	989	1104	1108*	* SHER, R.	1133*	1340*	1686	1698
	1136	1181	1196*	1333		1936*	1958	2255*	2573*
	1381	1430	2822*	2867*		2774*			
SEREN, L.	888*	1444*			* SHERA, E.B.	1557	1559*	2313*	3244
SERETER, ZH.	3395				* SHERK, P.M.	2844*			
SERGACHEV, A.I.	4021	4027*			* SHERMAN, L.E.	363	1438		
SERMENT, V.	133				* SHERMAN, R.H.	3245	-3245	3537	
SEROV, V.I.	4076				* SHERMER, R.I.	2468			
SERPA, M.R.	3144	3843*			* SHERR, R.	307*			
SETH, K.K.	169*	381*	508	546*	* SHERWOOD, G.G.	1501*	2385*		
	726	728	732	889	* SHIBAEVA, N.P.	1490			
	903*	921*	922*	1043	* SHIBATA, T.	3757	3762		
	1049	1226*	1992		* SHIDA, Y.	3517			
SETHI, B.	2258*				* SHIGIN, V.A.	-258	612	624	625
SEHELL, D.C.	286					957	1069	1529	2379
SEXTON, E.H.	3547					3313	3414	3432	
SEZON, M.	196	1526	-1526	2900	* SHIKATA, E.	2753			
SHAALAN, M.G.	2322*				* SHIOKAWA, T.	3742*			
SHADIEV, N.	1924	-2393			* SHIPLEY, E.N.	572*			
SHAFROTH, S.M.	599*	606			* SHIRATO, S.	3056	3770*	3778*	
SHAHABUDDIN, A.M.	3962				* SHIRIKOVA, N.YU.	2163			
SHAHIN, F.	4095				* SHLYAMIN, E.A.	2193	4008		
SHAMU, R.E.	694	796*	2071*	3836	* SHOMBERG, H.G.	1080			
SHANKLAND, R.S.	304				* SHOOK, D.F.	2840	3254		
SHANKS, D.E.	2120	2602			* SHORE, F.J.	-394	406*	1346	2243
SHANNON, J.A.	1934*					2246*	2252	2446	2448
SHAPAR', A.V.	645	716	890	1811		2449	2457	2468	3627
	1825	2135	2298	3401	* SHORIN, V.S.	4060*	4094*		
SHAPIRO, F.L.	492	616	725	857	* SHPAK, D.L.	3389*			
	1795	1960	1966	2067	* SHPAKOV, V.I.	1423*	4085		
	2260	-2260*	2940		* SHRADER, E.F.	1508	1652	2583	2989
SHAPIRO, M.M.	2686					3214			
SHARAPOV, S.I.	2068	2075	2077	2144	* SHTRANIKH, I.V.	492	2940		
	2447	2474	2487	3015	* SHUBIN, YU.N.	4031			
	3045	3047	3317	3418	* SHUBKO, V.M.	2378	3421	3432	4044
SHARMA, B.L.	2726*	-2726*			* SHUKOLYUKOV, YU.A.	1454			
SHARMA, H.C.	3849				* SHULL, C.G.	1397*	1584*	2561*	3226
SHARP, R.A.	3349*					3240*	3476*		
SHAW, D.F.	1609	1610*			* SHULN, E.R.	765	-1061*	1972*	2831
SHAW, W.M.	3476				* SHURIET, G.M.	3989			
SHCHEBOLEV, V.T.	4088				* SHUVALOV, R.S.	917			
SHCHEPKIN, YJ.G.	2112	2381	2435	3044	* SHVARTSMAN, B.F.	2499			
	3424*	4042	4046		* SHVETSOV, I.K.	3421	3422		
	2436	2610*			* SHVETSOV, M.S.	1839			
SHEER, C.	4073				* SHWE, H.	3083			
SHELAMKOV, A.I.	3844				* SHIDAMPA, K.	3971			
SHELDON, E.	1560*	1561*	2313	2517	* SHIDDIQ, A.K.M.	1736	3849		
SHELLINE, R.K.	1169*	2018			* SIDENIUS, G.	2634			
SHELLEY, E.G.	1778				* SIDHU, G.S.	2912*	3631	3951	3952
SHELONTSEV, I.I.	1561				* SIDHU, S.S.	2636*	2877		
SHELTON, W.N.									
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SIEGEL, R.T.	1590				SIWEK, K.	1909	1910	2186	2340
SIFMENS, M.D.	2676					2366	-2366	3053	3811
SIOAUD, J.	3903	3911*	3941	3944		3813			
SIGG, R.A.	3562*				SIWEK-WILCZYNSKA, K.	3814			
SIGNARBIEX, C.	337	777	1330		SJOEBLOM, R.K.	591	705	1067	1081
SILVOLA, A.	2969					1129	1153	1517	
SIKKEMA, C.P.	220*	248*	347*		SJOSTRAND, N.G.	459	2781*	2783	2807
SILBERGELD, H.	2050	2354	2711			3910			
SILBERT, M.G.	190	663	-1061	-1061	SKARSGARD, H.M.	1390*	1411		
	1834	-2394*	-2394*	3256*	SKEPPSTEDT, O.E.	3715			
	3273*	3274*	3544		SKLYAR, M.T.	886	1255	1699	1750
SILK, M.G.	3932*					2338	2339	2992	3001
SILVER, E.	2464				SKORKIN, V.S.	1540			
SILVER, E.G.	1092	1199	3262	3263	SKUBIC, P.	3620			
	3268*	3269			SKYRME, D.M.	1809			
SIMIC, J.	2282	2287	2295		SKYRME, T.F.R.	752			
SIMINOV, YU.N.	1570	1597	1601		SLAGOWITZ, M.	-3059	-3060	3121	3555
SIMION, V.	3291					3556	3632	3634	
SIMMONS, D.F.	3248*				SLATTERY, J.C.	21	540	2412	
SIMMONS, J.E.	418	555			SLAUGHTER, O.G.	718	935	944	-848
SIMON, G.	3902*					998	1001*	2234	2292
SIMONOVA, L.I.	2737					2405	2488	2495	2530
SIMPSON, F.B.	37	410*	-797	863*		-2530	2545*	2965	3142
	1013	1030	1038	1210		3497	3578		
	-1210	1237	1252	1291	SLAUS, I.	687	988	1613	1636
	1309*	-1309*	-1309*	-1309*		1690	1917	2690	3286*
	1387	-1387	1486	1493*		3816	3823		
	2097	2230*	-2230*	2291*	SLEATOR, JR., M.	181*			
	2528	2541*	2652*	2908	SLEDZINSKA, I.	1909	1910	2340	-2366
	2944	-3062	3217	3497	SLINN, O.	-1009			
	3520	3528			SLINN, W.S.	876*			
SIMPSON, O.D.	37*	512*	793*	964*	SLOVACEK, R.E.	2261	2765	-2772	2884
	1030*	1038*	1103	1109		2986	3253		
	1110	1112*	-1112*	1194*	SLUCHEVSKAJA, V.M.	1509			
	-1194	1211*	1237	1249	SLYE, JR., J.M.	56			
	1308*	1344*	1358*	1394*	SMALL, V.G.	1404	1406*	2728	
	-1437	2039*	2095*	2315	SHERENKINA, L.D.	1502			
	2528*	2686	2905*	2906*	SHIDDIE, R.D.	1462			
	2807	3497*			SHIRENKIN, G.N.	219	226	529	632
SIMS, G.H.E.	1964*	2001*	2240*	3216*		993*	1121*	1157	1447
SIMSON, R.	1759					1502	2196	2353	2361
SINGLETARY, J.B.	560*					2522	3389	3392	3415
SINGH, G.	2933*					3421	3422	3429	3684
SINGH, J.J.	3258*	3345*				4035	4044	4052	4066
SINGH, P.P.	730	2265*	2477	2543*		4082			
SINGH, U.N.	3555	3579*	3580*	3591*	SMITH, A.B.	693*	705*	774	885*
	3600*	3625	3632*	3634*		-885*	-885*	-885*	-885*
	3635	3635	3640			-885*	1031	1040*	-1040
SINGLETARY, L.D.	767*					1028	1151*	1153*	1273*
SIRAZHET, KH.	2075	2177	2474	2487		1331*	1334	1513*	1546
SIROVININ, E.I.	1325					1549*	1983	1996*	2017*
SIROTKIN, S.H.	2223								

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SMITH, A.B.	2037*	2197*	2385	2413	* SOLTAN, JR., A.	2887	-2887	-2887	3821
	2515*	2648*	3128	-3128*	* SOMMERS, JR., H.S.	1511*			
	3146*	-3146*	3146*	3154*	* SONA, A.M.	849	2053		
	3187	3439	3504*	3526*	* SONA, P.G.	849	1434	1760	
	3572	3574			* SONODA, M.	1639	3021	3732	3734
SMITH, D.B.	1533					3736	3737	3739	3754
SMITH, D.L.	3189*	3272*	3342*	3636*		3768			
SMITH, D.M.	664*				* SORDKA, A.V.	3416			
SMITH, D.R.	1132				* SOROKINA, A.V.	1735			
SMITH, E.C.	266	269	1457	2311*	* SORRIAX, A.	1562			
	3027				* SOTNIKOV, S.K.	3048			
SMITH, G.G.	978	1137	1435	1842	* SOUCHERE, G.	1766			
SMITH, G.J.	2950				* SOUKOV, A.I.	917			
SMITH, G.L.	3252	3570			* SOMERBY, B.D.	1575			
SMITH, H.G.	2801				* SOWERBY, M.G.	1063	1071	1080	-1080
SMITH, H.L.	689*	1284	1362			1085	2107	3978	3933
SMITH, J.A.	2103	2104*				3934*			
SMITH, J.R.	110*	1022*	1076*	-1076*	* SOWINSKI, M.	2312			
	-1077*	1436	1524*	2529*	* SPAARGAREN, D.	3694*			
	2903*	2906	2907*		* SPAEPEN, J.	2105			
SMITH, L.W.	2056				* SPALDING, D.	3009			
SMITH, M.S.	982*				* SPATZ, H.D.B.	2742			
SMITH, R.C.	728				* SPECKE, A.	3718			
SMITH, R.D.	1341*				* SPENCER, J.D.	2525*	3232		
SMITH, R.K.	163	345	352*	-359	* SPENCER, R.R.	3891*			
	-359	517	518	688	* SPENKE, H.	1968*			
	1362	3947			* SPIEGEL, JR., V.	3344			
SMITH, R.R.	675*	887	982	1484*	* SPILLING, P.	3698*	3689		
	1607*	2404	2628*	2641*	* SPINOGLIO, R.	1848			
	2806				* SPIRA, C.	2710*			
SMITH, R.V.	646				* SPITS, A.M.J.	3692*	3696		
SMITHER, R.K.	1558	1881*	1922*	3563	* SPITZ, L.H.	3301*			
SHOLIN, V.A.	4036				* SPIVAK, P.E.	1097	1098	1120	1159*
SHOLYANKIN, M.T.	2826					-1159*	1317*	1360*	
SNOW, G.A.	78	87	2056		* SPRAKTES, F.W.	1539			
SNOW, P.B.	1790				* SPRINGER, T.	779*	822*		
SNOWDON, S.C.	93*	297	303*	320	* SPURWAY, A.H.	906	2726		
	502*	559	637	2165	* SQUIRES, G.L.	2789	2834*		
SNYDER, T.M.	1172	1318*	2798		* SRINIVASA RAO, M.	4004			
SO DON SIK	3391	3402			* SRIRAMA CHANDRA MURTY, M.	3971*			
SOKOL'SKII, V.V.	2005	2006			* SRIRAMA MURTHI, K.	4004*			
SOKOLOV, L.S.	808				* STADNIKOV, T.	2160	2198	2447	3073
SOKOLOVSKII, L.V.	4052					3074	3280		
SOKOLOVSKY, V.V.	201	1209*	1248	2027	* STAFFORD, G.H.	336*	789	1563	-1563
SOKOLOWSKI, E.	895*				* STAGINNUS, B.	1684			
SOKOLSKY, V.V.	4071				* STAHL, R.H.	343	1569*		
SOLDATOV, A.N.	2548	4055	4085		* STANDING, K.G.	3527			
SOLDATOV, A.S.	1257				* STANFORD, C.P.	437	873	2459	2685
SOLEILHAC, M.	211*	1368			* STANG, JR., L.G.	2687			
SOLINC, H.	3808				* STARFELT, N.	1070	1075	1101	1138
SOLOMON, J.	3524					1166	-1319	1377	1379
SOLOV'EV, S.M.	528	611				1538	3333	3359	

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STANNER, J.W.	124				STORRS, C.L.	112*			
STARODUBTSEV, S.V.	2455				STOUGHTON, R.W.	10	333	1186*	1393
STARR, E.	2878*					1441	1483	1512*	2661
STASIULEVICIUS, R.	-2221	2256	3853	3864		2725	3326		
STAUDT, G.	1892*				STRAIT, E.N.	767	861		
STAVINSKII, V.S.	1845				STRAUCH, K.	1588			
STAVISKII, YU.YA.	43	363	636*	645*	STREET, JR., K.	563*	1476*		
	715*	716*	722	731*	STRICOS, D.P.	3434			
	738*	890*	1342	1364	STRIEBEL, H.R.	685*			
	1438	1541*	1811*	1825	STRIZHAK, V.I.	34*	189*	920*	1044
	2064	2135*	2138	2298*		1046*	1668	1997*	3400
	2388	3315	3318	3391		3406			
	4045				STROPAL, P.	702*	1975	2036	2345
STECHER-RASMUSSEN, F.	3700					2427	3816	3823	
STEFANESCU, AL.	2569*				STROMBERG, L.G.	1266*	1634	2376	3710
STEFANON, M.	2618	3779	3781			3717			
STEIN, W.E.	1362*	3040			STRUBLE, G.L.	1560			
STEINNES, E.	3353*	3354*	3380	3381	STSIORSKII, B.D.	877			
	3362*	3680*	3725		STUART, T.P.	1746*			
STELSON, P.H.	73*	76	65*	92*	STUBBINS, W.F.	74*	-1083*	1166*	1252
	97*	118*	150*	1837*	STUDIER, M.H.	13*	244*	1128	1135
	2124					1141*	1182	1474	1878
STELTS, M.L.	2746	3829				2741*			
STEMPENSII, M.	-3070				STUKOV, O.M.	4088			
STENGL, O.	3384				STUMBUR, E.A.	363			
STEPANOV, V.M.	4071	4083			STUPEGIA, D.C.	115*	648*	668*	774*
STEPHENS, W.E.	391	839				1343*	1736	1789*	2298*
STEPHENSON, T.E.	437	873	2688			2694*	2949*	3849	
STEUER, M.F.	3247					1432	2444*	3099	
STEVENS, C.M.	13	1141	1158	1474*	STURM, W.J.	440*			
	1485	1979	1980	2648	STUMER, D.	2355*			
STEWART, A.T.	2729*				SU, C.S.	3996			
STEWART, D.T.	1666*	1634	1754		SUDAR, S.	2687	2689	2704	2948*
STEWART, H.B.	1315				SUGARMAN, N.	1576*			
STEWART, L.	127	132	338	589	SUHAM, A.	683*			
	984				SUKHANOV, V.I.	965	966	1212	1225
STIEGLITZ, R.G.	3108*				SUKHORUCHKIN, S.I.	1231	2437	2548	4055
STIER, P.M.	2645					4086	4088		
STODOLSKA, A.	3851					2987	3819		
STOERING, J.P.	22	593	673	683	SULIK, A.	-3069			
STOKELY, J.R.	2102				SULLIVAN, N.B.	3844			
STOKES, G.E.	37	2315*	2759	2886*	SUN, K.W.	1422*			
	3528*				SUNYAR, A.W.	2640*			
STOLER, P.	3157*	3158*	3163*	3181	SURGET, O.	772			
	3191	3237	3595*		SURIN, V.M.	1518	4021		
STOLIAPOV, G.A.	608				SURKOVA, J.V.	4033	4034	4057	4059
STOLOVY, A.	1967*	2199*	2445*	2469*		4069	4070		
	2486*	3215*	3252*	3570	SUROV, L.M.	1839			
STOOKSBERRY, R.W.	695	700	978	2792*	SUTTON, R.B.	1246	2798*		
	3505*				SUWALSKI, W.	2558	2558		
STOQUART, J.	1263				SUZUKI, S.	818			
STOREY, R.S.	837*				SVIRIDOV, V.A.	487			

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SWANN, C.P.	300*				* TAYLOR, M.C.	3541			
SWARTZ, B.A.	1441	2639			* TAYLOR, T.I.	805	1607	1773	1995
SYDORIAK, S.G.	532				*	2805			
SYME, D.B.C.B.	3895	3936			* YCHORIN, V.S.	2388			
SYVERSEN, T.	3679				* TEICH, M.C.	2162*			
SZABO, I.	1661*	2532*			* YELLIER, H.	2808	3136*	3604*	-3605*
SZALAY, A.	2212	2708	4000		*	3606*	3607*	3608*	3609*
SZATHARY, Z.	3223	-3223			*	3610*	3611*		
SZEFLINSKI, Z.	3821				* TEMPERLEY, J.K.	1999*	2177*	2773*	
SZTARICKAI, T.	3815	3850			* TELPEL, I.W.	3295			
SZTEINSZNAIDER, D.	1024*				* TERRASI, F.	3914	3915	3916	
TABIN, J.	1432				* TERRELL, J.	326*	674	1145	1190*
TABONY, R.H.	728	1226	1992*		*	1301	1374*		
TACHON, J.	-968				* TESCH, K.	1060*			
TADEUSH, V.N.	3416				* TESSLER, G.	3203	3461*	3515	3566*
TAEGSEN, S.	1816*	1867*			* TEUTSCH, H.	2650*			
TAKAHASHI, K.	2241*	2647*			* TEWES, H.A.	530*	-590*		
TAKEKOSHI, E.	474	536			* THAPER, C.L.	851	2161		
TAKEKOSHI, H.	1852*	3908			* THEOBALD, J.P.	1536	1537	1544	3011
TAKEUCHI, K.	1549				*	3065	3111	3115	3132
TALBOTT, F.L.	153				*	3205	3208	3603	3642
TALLINI, B.	853				*	3646	3647	3649	3782
TALYZIN, V.M.	200	609	1269	1324	*	3790			
TAMURA, T.	1058	1170	3149		* THEUS, R.B.	292	294		
TANAKA, M.	3056*				* THIBAUT, C.	772	1527*		
TANAKA, D.	642				* THIRUMALA RAO, B.V.	3970*			
TANAKA, S.	1751	2323	2589	3207	* THODE, H.G.	2681	2754	2958	
TANG, M.D.	3288	-3288	3289		* THOMAS, A.P.	3009*			
TANGUY, P.	2871				* THOMAS, B.W.	3209	3924*		
TARAN, YU.V.	2260				* THOMAS, G.E.	366	388	470	498
TARUMOV	451				*	936	-936	1015	1245*
TASCHKE, R.F.	91	149	299	-444	*	1247	1794	1323	1824
TASKAEV, A.I.	516*	1145			*	1898*	2134	2297	2501*
TASSAN, S.	2204				*	2506	2784		
TATARCZUK, J.R.	2255	2463*			* THOMAS, H.	2954			
TATE, R.E.	640	2942	3003	3078	* THOMAS, J.T.	1416*			
TATRO, L.D.	3092				* THOMPSON, L.C.	302*			
TATTERSALL, R.B.	3217				* THOMPSON, M.C.	-797	-3062	3470*	
TAWARA, H.	1464				* THOMPSON, S.G.	563	1142	1160	1473
TAYLOR, A.	897*	1162	1183*	2835*	*	3188			
TAYLOR, A.E.	3734	3736	3737	3739	* THOMPSON, T.J.	2162			
TAYLOR, B.T.	3754				* THOMPSON, W.E.	533	602*	1700*	1707*
TAYLOR, C.J.	534				*	1715	1758		
TAYLOR, H.L.	355*	1593			* THOMPSON, D.B.	451	691*	836*	2131*
TAYLOR, I.J.	1004	1939	2491		*	2740			
TAYLOR, J.G.V.	7	593	594	683	* THORNDIKE, E.H.	3009			
	1821				* THORPE, M.M.	496	1533	1641	
	130*	505			* THORSON, I.M.	2508*			
	3224				* THOUVENIN, P.	1271			
	1604				* THRESHER, J.J.	789	1221	1563	-1563
					*	1592*			
					* THURLOW, P.E.F.	266	1457	2311	3027
					*				
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THWAITES, T.T.	2698*				TRETYAKOVA, S.P.	196	152*	-152*	2900
TIKHOMIROV, F.A.	487				TRIER, A.	692	-929*		
TILBURY, R.S.	1962*	2645			TRIFTSHAUSER, M.	786*	1753*	1759	
TILLER, H.J.	2242				TRIKANOV, A.E.	4073			
TIMIS, P.	2650				TRIKOVA, V.I.	1509	4022		
TIMMA, D.L.	1984				TRIPARD, D.E.	2482*	3185		
TIMOKHIN, L.A.	1908				TROCHON, J.	2149	2434*	2464	2480
TINGEY, F.H.	1382*					3120*	3135		
TIREN, L.I.	358*				TROFIMOV, YU.N.	3426	4068		
TITTERTON, E.W.	527				TROFIMOVA, N.A.	1886	2430	2974	3407
TITTMAN, J.	236*					3408	3413	3420	3431
TITUS, F.	1588				TROMP, R.L.	2944			
TIWARI, P.N.	1944*	2889*			TRUSNIKOV, V.R.	1908			
TOBIN, J.M.	2682*				TRUFANOV, A.M.	2360	4072		
TODD, J.H.	1025	-2106	2514	3155	TRUPHY, G.	488			
TODIREANU, S.	3246	3828			TSITOVICH, A.P.	956			
TOEPKE, R.	915	2429			TSUJI, K.	3754			
TOEWS, H.	3800				TSUKADA, K.	378*	642*	543*	1551*
TOLLER, A.L.	3441					1751*	2165*	2323*	2589*
TOLSTIKOV, V.A.	143	2013*	2410*			3207	3776	3777	
	43	636	715	722*	TSUNEOKA, Y.	474	536		
	731	738	1438*	2000*	TUCHINSKII, M.M.	4091	4092	4093	
	2064*	2138*	2302	2993*	TUCKER, A.B.	-597*	-748		
	2994	3002	3014*	3315	TUCKER, W.E.	941*	101*	1713	1728
	3387*	3388	4019	4031*		1730	1732	3324	351*
	4045	4048	4063		TUCKEY, G.S.G.	2269	2451*		
TOLSTOV, K.D.	487	832			TUDDRIC-GHEMO, J.	1574*	3286	3308	
TOMAS, P.	687	986	1613	1614	TUNKALO, E.	3378			
	1636	1680	1760	1917	TUNNICLIFFE, P.R.	89*	891*	1164	1188
	2008	2367	2690	3286		1452	2819		
TOMBRELLO, T.A.	739				TURANO, T.	3478			
TOMITA, M.	830				TURCHIN, YU.M.	2361	3392	3415	3421
TOMITA, Y.	1751	2589	3207*	3766		3884	4035		
TOMLINSON, R.H.	3773	3775*	3776	3777	TURINSKY, P.I.	3343			
	2623	2683	2689	2755	TURJANSKI, R.	2426	3870	3871	3872
	2978					3873	3959		
TONIOLO, D.	1003	1554			TURK, E.H.	977	2859	-3225	
TONOLINI, F.	2257				TURK, M.	3282			
TOPA, J.	2558	2559			TURKEL, S.H.	888	1444		
TDPEL, B.J.	36*				TURKEVICH, A.	2687			
TORAKAR, J.	3438				TURKIEWICZ, I.	3053	3814	3818	
TOROPOV, P.V.	1325				TURKIEWICZ, J.	3851	3855	3965	4016*
TOTSKIL, I.A.	870	886	1044	1255	TURNER, J.F.	2089			
	1750	2338	2339	2992	TURZO, I.	4002			
	2996	3001	3394		UCHIDA, A.	3744			
YOHLE, J.H.	714*	841	879	1012*	UDAGAWA, T.	1561			
	1014*	1016	1264	1274	UHL, M.	3358			
	1785*	1809*	1883*		ULRICH, A.J.	2442			
TRAIL, C.C.	2793	3197			UNDERHILL, G.K.	3621*			
TRANUNG	3973*				UNGRIIN, J.	2520			
TREHAN, P.N.	599				UNSELD, H.	-2517			
TRETYAKOV, E.F.	864				UPPAL, M.Y.	1578			
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AUTHOR	CITATIONS				AUTHOR	CITATIONS			
URAY, I.	4000*	4003			* VAUGHN, F.J.	354	382*	-382*	570*
URECH, S.	2032*				* *	603	646	690	1952
URIN, V.N.	4074				* *	1956	2117	2373*	2779
USHAKOV, V.V.	2184				* VEDRENNE, G.	2586*	-2586*		
UTTLEY, C.A.	4*	408*	409	771*	* VEEFKIND, J.C.	3697			
	988*	1227*	1328*	1350*	* VEESEER, L.P.	3219	3454*		
	1480*	1499*	1662*	2146	* VEGORS, JR., S.H.	2313	2424		
	3020	3801	3934		* VEIT, J.J.	3441			
VAJDA, S.	3857				* VELKLEY, D.E.	2371	2508*	3583*	3585*
VAKHAROVA, V.P.	1193				* VENDRYES, G.	968	1127	1134	1330
VALTER, A.K.	888*				* VENUGOPALA RAO, P.	2841	3184*		
VALKOVIC, V.	1636*	1916*	2690*	3286	* VERBINSKI, V.V.	391*			
	3298	3299			* VERES, A.	3994			
VALLIS, D.G.	2181*				* VERETENNIKOV, A.I.	581			
VAN BARNEVELD, H.H.	347				* VERRIERE, F.	772			
VAN DE VYVER, R.E.	3925*				* VERMININ, V.G.	1839			
VAN DEN BERG, J.	450				* VERTCBNII, V.P.	1886*	2428	2430*	2974
VAN DER MERWE, P.	2883					2991*	3041*	3316*	3393
VAN DER MEULEN, D.	1904					3396*	3398*	3399*	3407*
VAN DER WOUDE, A.	2885					3408*	3409*	3413*	3420*
VAN DER ZWAN, L.	2590					3423*	3431*	4024*	4074*
VAN HEERDEN, I.J.	1265	1267	2883	3825	* VERVIER, J.F.	349*	357*		
	3833				* VESELCIC, D.	2125*	3308*		
VAN HORN, J.R.	2963				* VESTEL, M.	2114			
VAN JUN-CHAN	1292				* VIDAL, R.	287*	1491	1690	1819*
VAN LOEF, J.J.	135*	541	655*	692	* VICHBOCK, F.P.	2244			
	929	3707			* VIENNET, R.	2778*			
VAN MIDDELKOOP, G.	1926*	3687*			* VIKTOROV, D.V.	3411*			
VAN OERS, W.T.H.	1613				* VILCOV, I.	196	1526	-1526	2900
VAN PATTEN, D.M.	161	569	606*	1726*	* VILCOV, N.	156	1526	-1526	2900
VAN SHI-DI	1292*				* VILLE, P.	3373*			
VAN SICKLE, V.C.	1942				* VINCENT, L.D.	479	578*		
VAN TUYL, H.H.	168				* VINCI, F.	638			
VAN WESTEN, N.P.	1741				* VINCIGUERRA, D.	476			
VAN WINKLE, O.	334*	1140	1203		* VINES, J.	3379			
VAN ZEVENBERGEN, F.	3707				* VINITSKAYA, G.P.	2005*	2006*	4071	4083
VAN ZYL, C.P.	1047*				* VINNAS, L.A.	2505*			
VANCE, F.P.	1382				* VIZI, I.	2143	2160	-3223	
VANDENBOSCH, R.	1475*	2664*			* VLADIMIRSKII, V.V.	201	1209	1248*	1316
VANDENBOSCH, S.E.	1276*	1475				2027*			
VANDER DOES, A.	675				* VLASENKO, V.P.	753*			
VANKHORENBEECK, J.	2669*				* VLASOV, M.F.	1826	2428*	2430	2974*
VANINBROUXX, R.	1856*					3316	3407	3408	3413
VANKOV, A.A.	1342*	1364				3420	3431	4074	
VANNESTE, L.	3129				* VLASOV, N.A.	740	808		
VANPRAET, G.J.	3782	3790			* VOGEL, O.	2891			
VASIL, EV. S.S.	499*				* VOGT, E.	1220*			
VASIL, EV. YU.A.	1325*				* VOICULESCU, G.	3279			
VASILE, A.	4015				* VOIGNIER, J.	2085*			
VASTEL, M.	1853	1951	2218	-3118	* VOIGTIS, M.	2894			
VATA, I.	3915	3916			* VOLODIN, K.E.	3421*	4035*		
VAUCHER, B.	472	1556	1674*		* VON DARDEL, G.	2783*	2785*	2807*	
AUTHOR	CITATIONS				AUTHOR	CITATIONS			

AUTHOR	CITATIONS				AUTHOR	CITATIONS			
VON DER LAGE, F.C.	718	2383			• WALTER, R.L.	582	2372		
VON GUNTEN, H.R.	510*	3912*			• WALTERS, H.B.	2702			
VONACH, H.K.	614*	615*	1718	1855*	• WALTNER, A.W.	2785			
	1879*	1906	2168*	2596*	• WALTON, J.R.	3250			
	3372	3374	3384*		• WALTON, R.B.	101	149	306*	-444
VONACH, W.O.	1993	2596			•	792*	1026	1032	1495
VORONA, P.N.	4024				•	1716*	1956		
VOROTNIKOV, P.E.	1069*	1529*	2083*	2378*	• WANG NAI-YANG	2266*			
	3313*	3412*	3414*	3432*	• WANG NAI-YEN	2143*	2180*	2447*	
VOS, R.	3508				• WANG SHI-DI	1634*			
VOSBURGH, K.O.	3264	3630			• WANG YUNG-CHANG	1034	1294	1376*	
VOSS, F.	3800				• WANIEK, R.W.	39	282		
VOSS, R.O.P.	312*	1047	1592		• WANTUCH, E.	285*			
VUISTER, P.H.	3962				• WARD, A.	837			
VUKOLOV, V.A.	3412				• WARD, A.O.	-1313	1314	1386	
VULETIN, J.	3963				• WARD, T.E.	2318			
WADDELL, J.S.	2629				• WARHANEK, H.	3369			
WADE, B.O.	3932				• WARNER, G.P.	1090	1358		
WADE, J.W.	1478*				• WARREN, B.	-349	-359		
WAGEMANS, C.	3640	3641	3780*	3783*	• WARREN, J.H.	1484	2948		
	3802	3906*			• WARTENA, J.A.	1536	1544	3115	3208
	3980*	3981*			•	3603	3647		
WAGNER, K.	2152				• WASSON, O.A.	2094	2284	2317	2344
WAGNER, P.	424*	921*	1058*	2359	•	2481*	3071	3077	3079*
WAGNER, R.	765*	1872			•	3082	-3082	3084*	3089
WAGNER, R.T.	869*				•	3090*	3113	-3113	3114
WAHL, A.C.	910	2645			•	3134	3142*	3152	3459
WAHL, W.H.	1639	3732	3734	3738	• WATANABE, T.	3500	3578		
WAKUTA, Y.	3739	3768			•	37	1109*	1110	1482*
WALKER, J.	2595	3321			• WATERS, J.R.	2759*	3095*	3530*	
WALKER, R.L.	1483				• WATSON, C.E.	2288*	2303	2308*	2493
WALKER, W.H.	1171*	2150*	2461*	2760	• WATSON, W.W.	1560			
	2958*	3183			• WATTENBERG, A.	2072			
WALKER, W.S.	1268				• WATTENBERG, A.	46	137	2714	
HALL, G.J.	1091				• WAT, K.	2688*			
HALLACE, J.R.	57	2936			• WEAVER, D.R.	3321*			
HALLACE, R.	1566	1583*			• WEAVER, H.	3282	3289		
HALLANDER, E.	3693	3688	3699*	3711	• WEAVER, K.A.	3187			
	3712	3714			• WEBER, B.	3197			
HALLIN, L.	2376				• WEBER, G.	2981*			
HALLIS, M.	700				• WEBER, J.	1833			
HALLSER	2771*				• WEBER, L.D.	2713*			
HALLRAVEN, R.L.	3151	3571			• WEBSTER, W.M.	2913*			
HALSH, K.A.	2629				• WEDDELL, J.B.	109*	483*	1033*	1827*
HALSH, R.L.	3278	3879*	3880*		•	1828*			
HALT, M.	99	90*	103*	151	• WEEKS, G.C.	2931			
	290	296*	345	354	• WEGNER, H.E.	146			
	382	-382	565*	570	• WEIGHANN, H.	1535*	-1535*	2534*	2696*
	646	666	690	1260*	•	3011	3038*	3064*	3075
	1448*	-1450*	1505*		•	3123	3124*	3642*	3643
WALTER, A.J.	428				•	3644*	3782	3780	3907
WALTER, R.K.	3245	-3245*			•	629*	658	688	872
					• WEI00LD, E.				
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WEIGOLD, E.	1770*				WIEDEMANN, W.	822			
WEIL, G.L.	2714				WIEDLING, T.	1831	1897	-2890	-2890
WEIL, J.L.	400*	2693	3440			-2890	-2890	-2890	3360
WEINSTEIN, S.	2082*	3110				3660	3670		
WEINSTOCK, E.V.	2255	2810			WIEGAND, C.	1568	1562		
WEISS, J.J.	3887				WIERTEL, J.	3854			
WEISS, R.J.	2564*	2657*			WILD, J.F.	3469*	3472		
WEISS, Z.	2559				WILDE, L.	3942			
WEITMAN, J.	2597*	3383*			WILENSKY, S.	1970			
WELLS, D.O.	3527				WILENZICK, R.M.	732*	889*	1043*	1049*
WELLS, J.T.	-597	-748*				3148	3234*	3474	
WENUSCH, R.	3374*					1909	1910	2185	2186
WERNER, E.	3384				WILHELM, Z.	2340	2366	-2366	2887
WERNER, R.D.	328	1851	2389	2727*		-2887	-2887	3053	3811
	3266*	3435	3479	3573*		3813	3814	3818	3821
WERZ, R.	3789					3851			
WEST II, M.L.	827*				WILHELMY, J.B.	3464	3890		
WEST, H.I.	1522				WILKEY, D.D.	2677*			
WESTCOTT, C.H.	730	1113	1171		WILKINS, M.	1131	3922	3929	3931
WESTERMARK, T.	2858*					3943			
WESTERN, G.T.	2127*				WILKINSON, D.H.	1403			
WESTON, L.H.	508	684*	718	726*	WILKINSON, G.	1459			
	727	736	855	1025	WILKINSON, M.K.	2561	2673*	2971	
	1297*	1462	2106	-2106	WILLARD, H.B.	114	121*	263	264
	2383	2514*	3155*	3246*		315	322	384*	484*
	3828*					678	791*	927	1625*
WETZEL, K.J.	2297*				WILLARD, J.E.	2677			
WEXLER, S.	2784	2786			WILLE, R.G.	672*			
WHALEN, J.F.	768	-885	891	1040	WILLENSKY, S.	1833			
	-1040	1062*	-1062*	1194	WILLIAMS, D.	1412*			
	1327	1331	1334	1515*	WILLIAMS, D.C.	431			
	1549	2017	2121*	2385	WILLIAMS, E.T.	3186	3202	3892	
	2513	2849*	3128	-3128	WILLIAMS, G.H.	2130*	2148	2288	2493
	3146	-3146	-3146	3153		3501			
	3154	3218	3439	3504*	WILLIAMS, J.H.	64	174	176	183
	3572	3574				240*			
WHITE, B.L.	2482				WILLIAMS, J.M.	3182			
WHITE, D.H.	1790				WILLIAMS, J.R.	2127			
WHITE, F.A.	1315	2231	2355		WILLIAMS, R.W.	1318	2798		
WHITE, P.H.	36	1472	1090*	1091*	WILLIAMS, W.S.C.	1578			
	1102	1283*	1347*	1356*	WILLIAMSON, C.F.	374	449	681*	-681*
	1401	1504*				710*			
WHITEHEAD, W.D.	93	297*	303	1036	WILLIAMSON, M.A.	593	584	683	
WHITEHOUSE, W.J.	1184	1369	2929*		WILLIAMSON, R.M.	143	154		
WHITMORE, B.G.	3527				WILLS, JR., J.E.	322*			
WHITNEY, R.	3227				WILSON, H.D.	1336			
WHITTEM, R.N.	330F*				WILSON, H.W.	2386			
WIBLIN, E.R.	216	980*	2471		WILSON, R.	312	1047	1592	2364
WICKSTROM, C.J.	1786	2242*				3888			
WIDDER, F.	1553	1875*	3147*		WILSON, R.D.	1710			
WIDEN, L.	3385				WILSON, R.R.	1380	1418*		
WIDERA, R.	3787	3789			WILSON, W.E.	682			
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WILSON, W.L.	3845*				YAGI, M.	3742			
WILZBACH, K.E.	1624				YAMABE, S.	205	3764		
WIMETT, T.F.	1066	1427			YAMAMURO, N.	3096*	3909*		
WIND, L.	1630	1635	3729		YAMANOCHI, Y.	3751			
WING, J.	2639*	2648*			YAMANOCHI, Y.	3786	3776		
WINHOLD, E.J.	391		1985	2281	YAMPOL, SKIL, P.A.	657	929		
WINIKARTER, P.	3362*	1654			YANG, C.Y.	3288*			
WINKLER, O.	1718				YANKOV, G.B.	1044	3412		
WINTER, O.	2685*				YAO CHI-CHUANG	2266			
WINTER, J.	-1535	1544	2534	3064	YASTREBOV, S.S.	2271			
	3075	3124	3644		YASUMI, S.	535*			
WINTER, R.G.	2571	2823			YASUNO, T.	1548*	3755*		
WINTERHALTER, D.	341*	820*			YATES, E.C.	2859			
WINTERS, R.R.	3138	3551	3587	3588	YAVIN, A.I.	2456			
WIRTZ, K.	2811*				YAZVETSKII, YU.S.	850	1721	1778	2143
WITTENBERG, L.	1168					2163	2666	2447	2885
WOJTKOWSKA, J.	1890	2712	2910		YEATER, M.L.	5*	148*	245*	256
WOLF, G.	2565*					1440*	1469*		
WOLFE, J.P.	3177				YEFIMOV, B.V.	856			
WOLFE, R.H.	640	3086			YELLIN, E.	3892			
WOLFER, G.	1683	2895*			YERGIN, P.F.	1654*	2281	3157	
WOLFLI, M.	2799				YERMAGAMBETOV, S.B.	2353*			
WOLFSBERG, K.	1284*	2081			YERAZOLIMSKY, B.G.	1317			
WOLFSON, J.L.	2909				YOKOYAMA, Y.	3713			
WOLLAN, E.O.	949	1397	1584	2550	YORK, C.H.	2582			
	2673	2786	2971		YORK, H.	1568			
WONG, C.	402	405	561	566	YOSHIMURA, A.	1639*	3732*		
	952	1622*	1746	2746	YOUNG, C.S.	1497	-1497	2882	
WONG, C.Y.	3148				YOUNG, P.E.	-2394			
WOOD, D.E.	560				YOUNG, P.O.	1815*			
WOOD, E.	355	1593			YOUNG, R.C.	2528			
WOOD, J.L.	1026				YOUNG, T.E.	37	1210*	-1210*	1252
WOOD, R.E.	2002	2440*	-2440*	2443*		1387*	-1387*	1446*	2888
	2841	3010*	3184			2803	3144*	3217*	3502*
WOOD, R.M.	3247				YOUNGBLOOD, J.E.	3489	3614	3633	
WOODWARD, W.M.	1380				YU, Y.W.	1780*			
WORLEY, JR., D.M.	477	782			YUAN, L.C.L.	78	206		
WOTKE, H.	2244				YUASA, K.	557*			
WREGE, G.	843	-843			YUSTER, P.	1412			
WRIGHT, M.	2730				YUTKIN, H.G.	2824			
WU, C.S.	44	45*	173	189	YVON, P.	455	971	1683	1737
	261	578			ZAFIRATOS, C.D.	1971	1973*		
WUSCHKE, D.	-1183				ZAGO, G.	1003	151*	1554	1818
WYLD, K.	2598	3794			ZAIKIN, G.G.	2992*	3001*		
WYMAN, H.C.	496*	1841*			ZAKHAROVA, V.P.	1087	1088		
WYNCHANK, S.	-814*	2666*	2945*	-3059	ZALESKI, C.P.	2871			
	-3060	3121	3555	3556	ZALYUBOVSKII, I.I.	868	2183		
WYNCHANK, S.A.R.	1053*	1564*			ZALYATNIN, YU.S.	635	1325	1339*	1518
WYTTENBACH, A.	510	3913				3314	3390	4040	4087
YAFFE, L.	2554	2560	2567*	2624	ZANDER, A.R.	1781	2141		
	2655	2653	2679*	2909	ZAPPA, L.	2857			
YAGI, H.	3743	3749			ZATSEKOVSKY, R.A.	3408	3413	3420	3431
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ZATZICK, M.R.	554	1933		
ZAUBERIS, D.D.	2636			
ZEIGLER, R.K.	1066			
ZEISEL, G.	3366*			
ZEITNITZ, B.	2093*			
ZEMLO, L.	3851	3655	3985	
ZEMTSEV, B.V.	4049	4050		
ZENGER, J.H.	503	595	605	
ZENKEVICH, V.S.	956	1359	2381	4053
ZETTA, L.	1870	2257	2587	
ZETTERSTROEM, H.O.	3651			
ZHURAVLEV, B.V.	4041			
ZHURAVLEV, K.D.	4087			
ZIELINSKI, U.	1682	1768		
ZIJP, W.L.	3727			
ZIMMERMAN, R.L.	730*	795*	923*	903
	990	1106*	1191	2024*
	2057	2072	-2221*	-2221*
	2251*	2256*	2293	2296

* AUTHOR

* ZIMMERMAN, R.L.	2705	2507	
* ZINN, W.H.	42*	1313*	2714
* ZIRKIND, P.	3187		
* ZOLLER, W.H.	2709*		
* ZOLOTSKII, V.P.	4089*		
* ZOMMER, V.P.	2319*		
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* ZUBKE, D.	419		
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64 GORLOV, G.V.

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57 WAGE, J.W.

63 BAUMANN, H.P.

66 ICE, C.H.

63 CANCE, M.

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63 CROSS, H.O.

63 EASTWOOD, T.A.

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69 LOUNSBURY, M.

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63 FRETHERST, E.

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63 BORMANN, H.

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1251	NUCLEAR PHYS.41,614	63	FIRK, F.W.K. MOXON, M.C.	LYNN, J.E.
879	NUCLEAR PHYS.42,86	63	GILBOY, W.B.	TOWLE, J.H.
2439	NUCLEAR PHYS.42,676	53	BOLOTIN, H.H.	CHRIEN, R.E.
1434	NUCLEAR PHYS.43,124	63	MANGIALAJO, M. SONA, P.G.	MERZARI, F.
820	NUCLEAR PHYS.43,339	63	WINTERHALTER, D.	
799	NUCLEAR PHYS.43,353	63	MACKLIN, R.L. INADA, T.	GIBBONS, J.H.
468	NUCLEAR PHYS.43,529	63	COLLI, L. MARCAZZAN, M.G.	IORI, I. MILAZZO, M.
1665	NUCLEAR PHYS.43,628	63	BOUCHEZ, R. PERRIN, P.	DUCCLOS, J.
224	NUCLEAR PHYS.44,123	63	ANTOLKOVIC, B.	
1014	NUCLEAR PHYS.44,256	63	TOWLE, J.H.	GILBOY, W.B.
1974	NUCLEAR PHYS.44,431	63	FIRK, F.W.K. MOXON, M.C.	LYNN, J.E.
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2257	NUCLEAR PHYS.46,51	63	MARCAZZAN, G.M. ZETTA, L.	TONOLINI, F.
372	NUCLEAR PHYS.46,141	63	CSIKAI, J. HUNYADI, I.	GYARMATI, B.
2047	NUCLEAR PHYS.46,686	63	CUZZOCREA, P.	PAPPALARDO, G.
169	NUCLEAR PHYS.47,137	63	SETH, K.K. NEWSON, H.H.	BILPUCH, E.G.
374	NUCLEAR PHYS.47,157	63	JERONYMO, J.M.F.	MANI, G.S.

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65 KULISIC, P.
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54 EBEL, A.A.

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T. INADA (ORNL)
LIQUID SCINTILLATION NORMALIZED TO N.GAMMA CROSS-SECTION OF
INDIUM
763 MILLIBARNS AT 30 KEV AND 448 MILLIBARNS AT 65 KEV

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
9-F -19	3.00-02 3.00-02	1	N.G
11-NA-23	3.00-02 6.50-02	2	N.G
12-MG-NAT	3.00-02 6.50-02	2	N.G
13-AL-27	3.00-02 3.00-02	1	N.G
14-SI-NAT	3.00-02 6.50-02	2	N.G
15-P -31	3.00-02 6.50-02	2	N.G
16-S -NAT	3.00-02 6.50-02	2	N.G
17-CL-NAT	3.00-02 6.50-02	2	N.G
19-K -NAT	3.00-02 6.50-02	2	N.G
20-CA-NAT	3.00-02 6.50-02	2	N.G
22-TI-NAT	3.00-02 6.50-02	2	N.G
23-V -NAT	3.00-02 6.50-02	2	N.G
24-CR-NAT	3.00-02 6.50-02	2	N.G
25-MN-55	3.00-02 6.50-02	2	N.G
26-FE-NAT	3.00-02 6.50-02	2	N.G
27-CO-59	3.00-02 6.50-02	2	N.G
28-NI-NAT	3.00-02 6.50-02	2	N.G
29-CU-NAT	3.00-02 6.50-02	2	N.G
30-ZN-NAT	3.00-02 6.50-02	2	N.G
31-GA-NAT	3.00-02 6.50-02	2	N.G
32-GE-NAT	3.00-02 6.50-02	2	N.G
33-AS-75	3.00-02 6.50-02	2	N.G
34-SE-NAT	3.00-02 6.50-02	2	N.G
35-BR-NAT	3.00-02 6.50-02	2	N.G
36-KR-NAT	3.00-02 6.50-02	2	N.G
37-RB-NAT	3.00-02 6.50-02	4	N.G
38-SR-NAT	3.00-02 6.50-02	2	N.G
39-Y -89	3.00-02 6.50-02	2	N.G
40-ZR-NAT	3.00-02 6.50-02	2	N.G
41-NB-93	3.00-02 6.50-02	2	N.G
42-MO-NAT	3.00-02 6.50-02	2	N.G
45-RH-103	3.00-02 6.50-02	2	N.G
46-PD-NAT	3.00-02 6.50-02	2	N.G
47-AG-NAT	3.00-02 6.50-02	2	N.G
48-CD-NAT	3.00-02 6.50-02	2	N.G
50-SN-NAT	3.00-02 6.50-02	2	N.G
51-SB-NAT	3.00-02 6.50-02	2	N.G
52-TE-NAT	3.00-02 6.50-02	2	N.G
53-I -127	3.00-02 6.50-02	2	N.G
56-BA-NAT	3.00-02 6.50-02	2	N.G
57-LA-NAT	3.00-02 6.50-02	2	N.G
58-CE-NAT	3.00-02 6.50-02	2	N.G
59-PR-141	3.00-02 6.50-02	2	N.G
62-SM-NAT	3.00-02 6.50-02	2	N.G
63-EU-NAT	3.00-02 6.50-02	2	N.G
64-GD-NAT	3.00-02 6.50-02	2	N.G
65-TB-159	3.00-02 6.50-02	2	N.G
66-DY-NAT	3.00-02 6.50-02	2	N.G
67-HO-165	3.00-02 6.50-02	2	N.G
68-ER-NAT	3.00-02 6.50-02	2	N.G
69-TM-169	3.00-02 6.50-02	2	N.G
70-YB-NAT	3.00-02 6.50-02	2	N.G

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

	TARGET	EN.	RANGE (MEV)	PTS	DESCRIPTION
1	71-LI-NAT	5.00-02	6.50-02	2	N,G
	72-HF-NAT	5.00-02	6.50-02	2	N,G
	73-TA-NAT	3.00-02	6.50-02	2	N,G
	74-W -NAT	3.00-02	6.50-02	2	N,G
	75-RE-NAT	3.00-02	6.50-02	2	N,G
	76-OS-NAT	3.00-02	6.50-02	2	N,G
	77-IR-NAT	3.00-02	6.50-02	2	N,G
	78-PT-NAT	3.00-02	6.50-02	2	N,G
	79-AU-197	3.00-02	6.50-02	2	N,G
	80-HG-NAT	2.00-02	6.50-02	2	N,G
	81-TL-NAT	3.00-02	6.50-02	2	N,G
	82-PB-NAT	3.00-02	6.50-02	2	N,G
	83-BI-209	3.00-02	6.50-02	2	N,G
	92-U -238	3.00-02	6.50-02	2	N,G
2	PHYS. REV. 114, 201 (1959) F.OABBARD, R.H.DAVIS, T.W.BONNER (RICE)	9-F -19	1.80-02 1.87+00	183	N,G
	CRYSTAL SCINTILLATOR FOR BOTH TARGET AND DETECTOR. RESOLUTION VARIED FROM 10 KEV AT AN ENERGY OF 27 KEV TO 35 KEV FOR ENERGIES ABOVE 600 KEV.	9-F -19	2.70-02 1.63+00	48	RES.PARAM.
		53-I -127	2.50-02 5.10-01	9	N,G
3	ANL-4515 P.7 (1950) A.S.LANGSDORF, JR. (ANL) QUARTERLY REPORT, ARGONNE NATIONAL LABORATORY DOUBLE IONIZATION CHAMBER	3-LI-NAT	1.80-01 3.10-01	5	N,A
4	PRIVATE COMMUNICATION (1964) C.A.UTTLEY (HARWELL) VIA BNL SIGMA CENTER. TIME OF FLIGHT METHOD	92-U -235	2.88-04 7.58-02	487	TOTAL
5	PRIVATE COMMUNICATION (1958) M.L.YEATER (KAPL) VIA BNL SIGMA CENTER. TIME OF FLIGHT METHOD	25-MN-55	5.58-04 2.16-03	93	TOTAL
		92-U -235	2.13-04 7.85-03	194	TOTAL
6	ANL-5175 P.7 (1954) C.T.HIBDON, A.S.LANGSDORF, JR. (ANL) TH CROSS SECTION OBTAIN'G FROM BNL SIGMA CENTER	3-LI-6	1.00-03 1.00-03	1	TOTAL
		90-TM-232	6.70-04 1.55-01	133	TOTAL
		92-U -235	1.00-03 1.60-01	2	TOTAL
		92-U -238	1.15-03 1.15-03	1	TOTAL
		94-PU-239	1.50-03 1.80-01	2	TOTAL
7	PHYS. REV. 111, 616 (1958) V.J.ASHBY, H.C.CATRON, L.L.NEWMARK, C.J.TAYLOR (LRL LIVERMORE) LARGE LIQUID SCINTILLATOR. NORMALIZED TO CF 252 NU OF 3.87 SEE ALSO UCRL-5054 (1958)	1-H -2	1.41+01 1.41+01	1	N,2N
		4-BE-9	1.41+01 1.41+01	1	N,2N
		6-C -12	1.41+01 1.41+01	1	N,2N
		7-N -NAT	1.41+01 1.41+01	1	N,2N
		9-F -18	1.41+01 1.41+01	1	N,2N
		23-V -51	1.41+01 1.41+01	1	N,2N
		26-FE-NAT	1.41+01 1.41+01	1	N,2N
		29-CU-NAT	1.41+01 1.41+01	1	N,2N
		47-AG-NAT	1.41+01 1.41+01	1	N,2N
		48-CO-NAT	1.41+01 1.41+01	1	N,2N
		73-TA-181	1.41+01 1.41+01	1	N,2N
		79-AU-197	1.41+01 1.41+01	1	N,2N
		82-PB-NAT	1.41+01 1.41+01	1	N,2N
		83-BI-209	1.41+01 1.41+01	1	N,2N

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
8 WASH-193 (1957) REPORTS TO ATOMIC ENERGY COMMISSION NUCLEAR CROSS-SECTIONS ADVISORY GROUP	29-CU-NAT	1.42+01 1.42+01	1 N,2N	
9 WASH-192 (1956) REPORTS TO ATOMIC ENERGY COMMISSION NUCLEAR CROSS-SECTIONS ADVISORY GROUP	26-FE-56 42-MO-NAT 49-IN-115 51-SB-NAT 73-TA-181	4.00-01 4.00-01 4.00-01 4.00-01 4.00-01 4.00-01 4.00-01 4.00-01 4.00-01 4.00-01	1 N,0 1 N,0 1 N,0 1 N,0 1 N,0	
10 NUCLEAR SCIENCE AND ENGINEERING 1, 1 (1956) J. HALPERIN, R.W. STOUTON, C.V. ELLISON, D.E. FERGUSON (ORNL) REACTOR IRRADIATIONS (TWO) RELATIVE TO AN EFFECTIVE CAPTURE CROSS SECTION FOR TH232 OF 0.0 BARNS	91-PA-233	2.50-08 2.50-08	1 N,0	SPECT. AV.
11 ANN. PHYS. 12, 485 (1961) D.A. LIND, R.B. DAY (UNIV. COLORADO) UCOL-P-503 (1961) UCOL-P-504 (1961) RING SCATTERER. CROSS SECTIONS ARE 4PI TIMES SIGMA (90 DEGREES). GAMMA RAY PRODUCTION C/S REFER TO OBSERVED GAMMA RADIATION YIELD AND DO NOT INCLUDE CORRECTION FOR CONVERSION. DATA FOR ZR92 AND ZR94 VIA NNCSC. PRIVATE COMMUN- ICATION (1961) DAY	5-B -11 11-NA-23 14-S1-29 14-S1-29 14-S1-30 19-K -39 21-SC-45 40-ZR-NAT 40-ZR-90 40-ZR-91 40-ZR-92 40-ZR-94 49-IN-115 53-I -127 73-TA-181 79-AU-197 82-PB-206 90-TH-232 92-U -238	2.43+00 3.14+00 4.00-01 3.35+00 1.75+00 3.00+00 2.15+00 3.00+00 2.30+00 3.00+00 2.50+00 3.95+00 1.61+00 1.61+00 1.15+00 3.65+00 1.75+00 4.00+00 1.25+00 3.65+00 9.50-01 3.05+00 9.40-01 3.08+00 9.00-01 2.05+00 2.50-01 2.00+00 4.00-01 1.65+00 1.50-01 1.50+00 7.00-01 3.20+00 7.00-01 1.65+00 6.00-01 1.70+00	15 N,X0 134 N,X0 28 N,X0 32 N,X0 15 N,X0 61 N,X0 6 N,X0 71 N,X0 133 N,X0 68 N,X0 109 N,X0 123 N,X0 87 N,X0 184 N,X0 26 N,X0 111 N,X0 220 N,X0 114 N,X0 135 N,X0	
12 PHYS. REV. 77, 606 (1950) J.A. DE JUREN, N. KNABLE (BERKELEY) TRANSMISSION. B1 FISSION ION CHAMBERS FOR DETECTION.	1-H -1 1-H -2 H2O D2O 4-BE-9 6-C -NAT 8-O -NAT 13-AL-27 29-CU-NAT 50-SN-NAT 82-PB-NAT 92-U -238	9.50+01 9.50+01	1 TOTAL 1 TOTAL 2 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 2 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL	
13 PHYS. REV. 97, 88 (1955) M.H. STUDIER, J.E. GINDLER, C.M. STEVENS (ANL) IRRADIATION IN HEAVY WATER PILE	93-NP-236	2.50-08 2.50-08	1 N,FISS	SPECT. AV.

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

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	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
14 PHYS. REV. 90, 102 (1953) R.ELSON, P.A.SELLERS, E.R.JOHN (ANL) HANFORD ACTIVATION. RELATIVE TO NP237 HALF-LIFE OF 2.2 X 1000000 YR., PU238 HALF-LIFE OF 92 YR AND NP237 CAPTURE CROSS SECTION OF 172 BARNS	91-PA-231 91-PA-232	2.50-08 2.50-08 2.50-08 2.50-08	1 N.G 1 N.G	SPECT.AV. SPECT.AV.
15 PHYS. REV. 109, 926 (1958) W.M.GOOD, J.H.NEILER, J.H.GIBBONS (ORNL) TRANSMISSION. TIME OF FLIGHT. NATURAL ELEMENT AND ENRICHED ISOTOPES. RESOLUTION WAS 200 EV AT 10 KEV ENERGY.	11 -A-23 1 -NA-23 13 AL-27 13-AL-27 15-P-31 19-K-39 19-K-41 19-K-41 22-TI-NAT 34-SE-NAT 34-SE-NAT 34-SE-80 37-RB-85 37-RB-87 37-RB-87 38-SR-86 38-SR-88 38-SR-88 39-Y-89 39-Y-89 83-BI-209 83-BI-209	2.57-03 8.40-03 2.85-03 2.85-03 4.88-03 6.35-03 5.60-03 5.60-03 6.25-03 1.95-02 3.4-03 9.20-03 4.80-03 1.90-02 5.40-03 1.62-02 2.80-03 1.97-02 3.70-03 8.00-03 5.85-03 8.60-03 4.25-03 4.95-03 3.30-03 6.90-03 4.60-03 1.36-02 5.00-03 8.55-03 3.00-03 1.13-02 6.80-03 1.85-02 1.36-02 1.36-02 2.22-03 1.80-02 2.50-03 1.70-02 2.17-03 2.52-03 2.30-03 3.30-02	31 TOTAL 2 RES.PARAM. 18 TOTAL 1 RES.PARAM. 27 TOTAL 2 RES.PARAM. 33 TOTAL 2 RES.PARAM. 76 TOTAL 33 TOTAL 3 RES.PARAM. 2 RES.PARAM. 9 RES.PARAM. 55 TOTAL 8 RES.PARAM. 3 RES.PARAM. 42 TOTAL 2 RES.PARAM. 118 TOTAL 5 RES.PARAM. 15 TOTAL 4 RES.PARAM.	
16 PHYS. REV. 102, 797 (1956) R.L.MACKLIN, H.W.SCHMITT, J.H.GIBBONS (ORNL) ORNL-2022 (1956) SPHERICAL SHELL TRANSMISSION MEASUREMENT RELATIVE TO U-238	47-AG-NAT 92-U-239 94-PU-239	1.29+01 1.62+01 4.40-03 4.88-02 4.40-03 4.88-02	6 TOTAL 6 ABSORP 6 ABSORP	
17 PRIVATE COMMUNICATION (1964) D.D.PHILLIPS (LASL) TIME OF FLIGHT SPECTRA. L.STEWART (LASL) HAS STATED THAT THE REDUCTION FROM THE SPECTRA TO THE DIFFERENTIAL CROSS SECTION WAS NOT PERFORMED BY PHILLIPS.	4-BE-9 4-BE-9 4-BE-9 4-BE-9	7.00+00 7.00+00 7.00+00 7.00+00 7.00+00 7.00+00 7.00+00 7.00+00	1 N.N' 1 N.2N 12 N.N' 12 N.2N	O(A) O(A)
18 LA-2114 (1957) R.L.HENKEL (LASL) THIS DATA WAS REPORTED EARLIER IN LA-1714 (1954) H.H.BARSCHALL, R.L.HENKEL AND HAS BEEN CORRECTED HERE FOR LONG COUNTER EFFICIENCY EFFECTS LA-2122 (1957) R.L.HENKEL SEE ALSO REFERENCE 515 FOR THE232 AND REFERENCE 345 FOR NP237 RESULTS. U234 MEASUREMENTS ARE THOSE OF L.L.LOWRY (SEE LA-1714)	92-U-233 92-U-234 92-U-235 92-U-236 92-U-238 94-PU-239	3.00-02 6.90+00 3.00-01 1.50+00 2.08-02 6.90+00 5.20+00 6.92+00 1.30+00 6.95+00 5.00-02 1.38+02	50 N.FISS 21 N.FISS 59 N.FISS 9 N.FISS 33 N.FISS 13 N.FISS	
19 COMPT. REND. 255, 2086 (1963) A.MICHAUDON, H.DERRIEN, C.L.E. PIPEC, P.RIBON FIT TO TRANSMISSION MEASUREMENTS AT 77 AND 4 DEGREES K. RESOLUTION OF 20 NSFC/M.	92-U-238	6.68-06 6.68-06	1 RES.PARAM.	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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20 PRIVATE COMMUNICATION (1957) M.D.GOLDBERG, W.S.HALL,
J.M.LEBLANC (LRL)
GAS SCINTILLATION FISSION COUNTER AND TIME OF FLIGHT. NORMAL-
IZED TO LASL VALUE AT 14 MEV

92-U -238 8.80+00 1.38+01 5 N,FISS

21 BULL. AM. PHYS. SOC. 1, 175 (1956) T.W.BONNER, J.C.SLATTERY

82-PB-NAT 1.00+01 1.00+01 1 ELASTIC
82-PB-NAT 1.00+01 1.00+01 1 NONELAS
82-PB-NAT 1.00+01 1.00+01 1 SCATTER
83-B1-209 1.00+01 1.00+01 1 ELASTIC
83-B1-209 7.10+00 1.00+01 2 NONELAS
83-B1-205 1.00+01 1.00+01 1 SCATTER

22 PHYS. REV. 110, 927 (1956) A.BRATENAH, J.M.PETERSON,
J.P.STOERING (LRL LIVERMORE)
LIVERMORE VARIABLE ENERGY CYCLOTRON WITH D-D REACTION FOR
NEUTRON SOURCE. CONVENTIONAL TRANSMISSION TECHNIQUE.
PLASTIC SCINTILLATOR FOR DETECTOR. SEE ALSO
UCRL-4980 (1957)

1-H -1 7.17+00 1.40+01 6 TOTAL
1-H -2 7.17+00 1.40+01 5 TOTAL
3-L1-6 7.01+00 1.39+01 5 TOTAL
3-L1-7 7.01+00 1.39+01 5 TOTAL
4-BE-9 6.83+00 1.41+01 5 TOTAL
6-C -NAT 6.77+00 1.43+01 6 TOTAL
9-F -19 7.01+00 1.43+01 7 TOTAL
12-MU-NAT 7.17+00 1.40+01 5 TOTAL
13-AL-27 7.31+00 1.43+01 6 TOTAL
22-TI-NAT 7.01+00 1.39+01 6 TOTAL
24-CR-NAT 7.05+00 1.42+01 5 TOTAL
26-FE-NAT 7.05+00 1.45+01 6 TOTAL
28-NI-NAT 7.05+00 1.44+01 5 TOTAL
29-CU-NAT 6.83+00 1.40+01 6 TOTAL
30-ZN-NAT 7.05+00 1.40+01 5 TOTAL
31-OA-NAT 6.68+00 1.45+01 3 TOTAL
32-OE-NAT 7.05+00 1.40+01 5 TOTAL
40-ZR-NAT 7.05+00 1.45+01 5 TOTAL
42-MO-NAT 7.09+00 1.45+01 5 TOTAL
46-PD-NAT 6.83+00 1.45+01 6 TOTAL
47-AG-NAT 6.83+00 1.41+01 5 TOTAL
48-CD-NAT 6.87+00 1.45+01 10 TOTAL
49-IN-NAT 6.83+00 1.44+01 6 TOTAL
50-SN-NAT 6.83+00 1.40+01 7 TOTAL
51-SB-NAT 7.01+00 1.43+01 2 TOTAL
73-TA-NAT 7.05+00 1.44+01 5 TOTAL
74-W -NAT 7.05+00 1.42+01 5 TOTAL
78-PT-NAT 6.83+00 1.41+01 5 TOTAL
79-AU-197 7.05+00 1.39+01 5 TOTAL
81-TL-NAT 7.15+00 1.40+01 5 TOTAL
82-PB-NAT 7.17+00 1.42+01 5 TOTAL
83-B1-209 7.01+00 1.43+01 5 TOTAL
92-U -235 7.05+00 1.42+01 5 TOTAL
92-U -238 7.05+00 1.42+01 5 TOTAL
94-PU-239 7.05+00 1.42+01 5 TOTAL

23 PHYS. REV. 112, 226 (1958) R.BODTH, W.P.BALL, M.H.MAC GREGOR
(LRL)
ACTIVATION, 58-6E NEUTRONS. ENERGY RECALIBRATED TO 21 KEV.
RENORMALIZED TO USE 6.2 BARNS FOR THER. N,GAMMA OF 1127 AND

11-NA-23 2.10-02 2.10-02 1 N,0
14-SI-30 2.10-02 2.10-02 1 N,0
19-K -41 2.10-02 2.10-02 1 N,0
21-SC-45 2.10-02 2.10-02 1 N,0

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
23 90 MILLIBARNS FOR N,GAMMA OF 1127 AT 21 KEV. SEE ALSO UCRL-5005 (1957)	25-MN-55	2.10-02 2.10-02	1	N,G
	28-NI-64	2.10-02 2.10-02	1	N,G
	29-CU-63	2.10-02 2.10-02	1	N,G
	29-CU-65	2.10-02 2.10-02	1	N,G
	30-ZN-68	2.10-02 2.10-02	1	N,G
	30-ZN-68	2.10-02 2.10-02	1	N,G
	33-AS-75	2.10-02 2.10-02	1	N,G
	39-Y -89	2.10-02 2.10-02	1	N,G
	42-MO-98	2.10-02 2.10-02	1	N,G
	46-PD-108	2.10-02 2.10-02	1	N,G
	49-IN-113	2.10-02 2.10-02	1	N,G
	49-IN-115	2.10-02 2.10-02	1	N,G
	51-SB-121	2.10-02 2.10-02	1	N,G
	51-SB-123	2.10-02 2.10-02	1	N,G
	55-CS-133	2.10-02 2.10-02	1	N,G
	55-CS-133	2.10-02 2.10-02	1	N,G
	57-LA-139	2.10-02 2.10-02	1	N,G
	59-PR-141	2.10-02 2.10-02	1	N,G
	66-DY-164	2.10-02 2.10-02	1	N,G
	73-TA-181	2.10-02 2.10-02	1	N,G
	74-W -164	2.10-02 2.10-02	1	N,G
	74-W -186	2.10-02 2.10-02	1	N,G
	78-PT-195	2.10-02 2.10-02	1	N,G
	78-PT-198	2.10-02 2.10-02	1	N,G
	79-AU-197	2.10-02 2.10-02	1	N,G
	83-BI-209	2.10-02 2.10-02	1	N,G
24 PHYS.REV. 110, 1392 (1958) W.P.BALL, M.H.MAC GREGOR, R.BOOOTH (LRL) SPHERE TRANSMISSION. PLASTIC SCINTILLATION DETECTOR SEE ALSO UCRL-5014 (1957)	4-BE-9	7.00+00 1.12+01	4	NONELAS
	6-C -NAT	1.42+01 1.42+01	1	NONELAS
	12-MG-NAT	6.70+00 1.25+01	5	NONELAS
	13-AL-27	7.30+00 1.28+01	5	NONELAS
	29-CU-NAT	7.20+00 1.40+01	6	NONELAS
	40-ZR-NAT	8.40+00 1.28+01	4	NONELAS
	50-SN-NAT	7.40+00 1.45+01	6	NONELAS
	83-BI-209	7.20+00 1.39+01	6	NONELAS
25 BULL. AM. PHYS. SOC. 1, 224 (1956) L.ROSEN, A.H.ARMSTRONG	30-ZN-64	1.40+01 1.40+01	1	N,XP
26 PRIVATE COMMUNICATION (1951) H.W.HAVENS,JR. (COLUMBIA U.) VIA BNL SIGMA CENTER. DATA TAKEN FROM BNL-325 (1958). BNL-325 (1958)	92-U -NAT	3.30-08 7.40-07	11	TOTAL
	92-U -238	1.57-08 7.70-07	27	TOTAL
27 CAN. J. PHYS. 31, 267 (1953) E.B.PAUL, R.L.CLARKE (CHALK RIVER) ACTIVATION	7-N -14	1.45+01 1.45+01	1	N,2N
	8-C -16	1.45+01 1.45+01	1	N,P
	9-F -19	1.45+01 1.45+01	1	N,2N
	9-F -19	1.45+01 1.45+01	1	N,P
	11-NA-23	1.45+01 1.45+01	1	N,P
	12-MO-24	1.45+01 1.45+01	1	N,P
	12-MO-25	1.45+01 1.45+01	1	N,P
	13-AL-27	1.45+01 1.45+01	1	N,P
	13-AL-27	1.45+01 1.45+01	1	N,A
	14-SI-28	1.45+01 1.45+01	1	N,P
	14-SI-28	1.45+01 1.45+01	1	N,P

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

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TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
14-SI-29	1.45-01 1.45+01	1	N.P
14-SI-30	1.45-01 1.45+01	1	N.A
15-P -31	1.45-01 1.45+01	1	N.P
15-P -31	1.45-01 1.45+01	1	N.A
16-S -32	1.45-01 1.45+01	1	N.P
16-S -34	1.45-01 1.45+01	1	N.P
16-S -34	1.45-01 1.45+01	1	N.A
17-CL-35	1.45-01 1.45+01	1	N.A
17-CL-35	1.45-01 1.45+01	1	N.A
17-CL-37	1.45-01 1.45+01	1	N.P
17-CL-37	1.45-01 1.45+01	1	N.A
19-K -39	1.45-01 1.45+01	1	N.A
19-K -41	1.45-01 1.45+01	1	N.P
19-K -41	1.45-01 1.45+01	1	N.A
22-TI-48	1.45-01 1.45+01	1	N.P
23-V -51	1.45-01 1.45+01	1	N.P
23-V -51	1.45-01 1.45+01	1	N.A
24-CR-52	1.45-01 1.45+01	1	N.P
25-MN-55	1.45-01 1.45+01	1	N.A
26-FE-56	1.45-01 1.45+01	1	N.P
27-CO-59	1.45-01 1.45+01	1	N.A
28-NI-58	1.45-01 1.45+01	1	N.A
28-NI-61	1.45-01 1.45+01	1	N.P
29-CU-63	1.45-01 1.45+01	1	N.A
29-CU-65	1.45-01 1.45+01	1	N.A
30-ZN-64	1.45-01 1.45+01	1	N.A
30-ZN-64	1.45-01 1.45+01	1	N.P
30-ZN-68	1.45-01 1.45+01	1	N.P
31-GA-69	1.45-01 1.45+01	1	N.A
31-OA-69	1.45-01 1.45+01	1	N.P
31-OA-69	1.45-01 1.45+01	1	N.A
31-OA-71	1.45-01 1.45+01	1	N.A
32-GE-70	1.45-01 1.45+01	1	N.A
32-GE-70	1.45-01 1.45+01	1	N.P
32-GE-72	1.45-01 1.45+01	1	N.P
32-GE-73	1.45-01 1.45+01	1	N.P
32-GE-74	1.45-01 1.45+01	1	N.A
32-GE-76	1.45-01 1.45+01	1	N.A
33-AS-75	1.45-01 1.45+01	1	N.A
33-AS-75	1.45-01 1.45+01	1	N.P
33-AS-75	1.45-01 1.45+01	1	N.A
34-SE-77	1.45-01 1.45+01	1	N.P
34-SE-80	1.45-01 1.45+01	1	N.A
34-SE-82	1.45-01 1.45+01	1	N.A
35-BR-79	1.45-01 1.45+01	1	N.A
35-BR-81	1.45-01 1.45+01	1	N.A
35-BR-81	1.45-01 1.45+01	1	N.A
37-RB-87	1.45-01 1.45+01	1	N.A
38-SR-88	1.45-01 1.45+01	1	N.P
38-SR-88	1.45-01 1.45+01	1	N.A
39-Y -89	1.45-01 1.45+01	1	N.A
40-ZR-90	1.45-01 1.45+01	1	N.A

REF BIBLIOGRAPHY

*** 3- 7 ***

TARGE EN. RANGE (MEV) PTS DESCRIPTION

REF B1B.100RAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

27

40-ZR-90	1.45+01	1 N.P
40-ZR-90	1.45+01	1 N.P
40-ZR-94	1.45+01	1 N.P
42-MO-92	1.45+01	1 N.2N
42-MO-97	1.45+01	1 N.P
42-MO-100	1.45+01	1 N.2N
44-RU-96	1.45+01	1 N.2N
44-RU-101	1.45+01	1 N.P
45-RH-103	1.45+01	1 N.A
46-PD-104	1.45+01	1 N.P
46-PD-105	1.45+01	1 N.P
46-PD-110	1.45+01	1 N.2N
46-PD-110	1.45+01	1 N.A
47-A6-107	1.45+01	1 N.2N
47-A6-109	1.45+01	1 N.2N
51-SB-121	1.45+01	1 N.2N
51-SB-123	1.45+01	1 N.2N
52-TC-128	1.45+01	1 N.2N
52-TC-130	1.45+01	1 N.2N
53-1-127	1.45+01	1 N.2N
53-1-127	1.45+01	1 N.P
53-1-127	1.45+01	1 N.A
56-BA-138	1.45+01	1 N.P
57-LA-139	1.45+01	1 N.P
58-CE-140	1.45+01	1 N.A
59-PF-141	1.45+01	1 N.2N
62-SH-152	1.45+01	1 N.A
62-SH-154	1.45+01	1 N.2N
63-CU-160	1.45+01	1 N.2N
73-TA-181	1.45+01	1 N.2N
78-PF-198	1.45+01	1 N.2N
79-AU-197	1.45+01	1 N.2N
81-TL-205	1.45+01	1 N.P
82-PF-208	1.45+01	1 N.P
83-BI-209	1.45+01	1 N.A
17-CL-35	3.00+00	10 N.A

28 HELV. PHYS. ACTA 26, 349 (1953) H.ADLER, P.HUBER, M.HALO (BASEL) CL FILLED ION CHAMBER, NORMALIZED TO N₁₄ (N₁₄ALPHA) CROSS-SECTION, 33 MILLIBARNS

29 HELV. PHYS. ACTA 26, 451 (1955) R.M.MEIER, R.RICAMO, P.SCHERRER, M.ZUNTI (ZURICH) TRANSMISSION, 0.05OSTERILASL) DEODUCED DELTA CROSS CCTIONS FROM SMOOTH FILTS
 30 HELV. PHYS. ACTA 28, 33 (1955) T.HURLIMANN, P.HUBER (BASEL) ION CHAMBER
 31 HELV. PHYS. ACTA 28, 227 (1955) J.SETTZ, P.HUBER (BASEL) PARALLEL PLATE ION CHAMBER FILLED WITH OXYGEN

TARGET EN. RANGE (MEV) PTS DESCRIPTION

7-N-NAT	1.91+00	3.81+00	81 TOTAL
11-N-23	1.91+00	3.81+00	93 TOTAL
13-AL-27	1.88+00	3.78+00	96 TOTAL
14-SI-NAT	1.85+00	3.78+00	98 TOTAL
16-S-32	1.90+00	3.97+00	47 N.A
16-S-32	2.20+00	3.62+00	29 N.A
B-0-16	3.99+00	4.22+00	12 N.A

REF B1B.100RAPHY

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
39 PHYS. REV. 95, 585 (1954) V.CULLER, R.W.WANIEK (HARVARD) TRANSMISSION. SCINTILLATION TELESCOPE	1-H -2 6-C -NAT 8-O -NAT 13-AL-27 14-SI-NAT 26-FE-NAT 82-PB-NAT	9.48+01 1.07+02 6.15+01 1.07+02 9.48+01 1.07+02 9.48+01 1.07+02 9.48+01 1.07+02 9.48+01 1.07+02 6.15+01 1.07+02	4 TOTAL 12 TOTAL 4 TOTAL 4 TOTAL 4 TOTAL 4 TOTAL 12 TOTAL
40 PHIL. MAG. 46, 17 (1955) J.M.FREEMAN, A.M.LANE, D.ROSE (AERE) DETECTED GAMMAS WITH STILBENE AND NA1 CRYSTALS	3-LI-7	5.40+01 1.65+00	35 N,N'
41 PHIL. MAG. 46, 963 (1955) L.E.BEGHIAN, D.A.HICKS, B.MILMAN (OXFORD) DETECTED BOTH NEUTRONS AND GAMMAS WITH STILBENE AND NA1(TL) CRYSTAL SPECTROMETERS	26-FE-54 26-FE-56	2.51+00 2.50+00 2.50+00 2.59+00	1 N,N' 1 N,N'
42 PHYS. REV. 56, 260 (1939) W.H.ZINN, S.SEELY, V.W.COHEN (COLUMBIA)	1-H -1 8-O -NAT 16-S -NAT 19-K -NAT	2.88+00 2.88+00 2.46+00 2.88+00 2.88+00 2.88+00 2.88+00 2.88+00	1 TOTAL 2 TOTAL 1 TOTAL 1 TOTAL
43 ATOMNAYA ENERGIYA 5, 564 (1958) V.N.KONONOV, YU.YA.STAVISSKII, V.A.TOLSTIKOV (USSR) ACTIVATION. 58-66 SOURCE. NORMALIZED TO 1-127 N.GAMMA CROSS-SECTION OF 82 MILLIBARNS	11-NA-23 13-AL-27 14-SI-30 17-CL-37 23-V -51 25-MN-55 29-CU-65 30-ZN-68 31-GA-69 35-BR-79 37-RB-87 41-NB-93 42-MO-100 47-AG-107 49-IN-115 56-BA-138 74-W -186 79-AU-197 81-TL-205	2.10-02 2.10-02	1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0
44 PHYS. REV. 71, 165 (1947) H.W.HAVENS, JR., C.S.WU, L.J.RAINWATER, C.L.MEAKER (COLUMBIA) BNL-325 2ND ED. SUPPL.2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS.	49-IN-NAT 73-TA-181 74-W -NAT 74-W -NAT 74-W -182 74-W -183 74-W -186 78-Pt-NAT 78-Pt-195 79-AU-197	1.00-03 1.00-03 4.10-06 3.70-05 1.00-03 5.00-03 4.00-06 1.80-04 4.00-06 4.00-06 7.40-06 7.40-06 1.80-05 1.80-05 1.00-03 1.00-02 1.15-05 1.82-05 4.80-06 4.80-06	1 TOTAL 5 RES.PARAM. 2 TOTAL 5 RES.PARAM. 1 RES.PARAM. 1 RES.PARAM. 1 RES.PARAM. 3 TOTAL 2 RES.PARAM. 1 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
45 PHYS. REV. 71, 174 (1947) C.S.WU, L.J.RAINWATER, W.W.HAVENS, JR. (COLUMBIA) BNL-325 2ND ED. SUPPL. 2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCSC.	32-GE-NAT 53-I -127 76-OS-NAT 76-OS-189	1.39-08 8.26-07 1.00-02 1.00-02 1.00-03 1.00-02 6.50-06 4.20-05	25 TOTAL 1 TOTAL 3 TOTAL 5 RES.PARAM.
46 PHYS. REV. 71, 508 (1947) R.E.FIELD5, B.RUSSELL, D.SACHS, A.WATTENBERG (ANL)	15-P -31 19-K -NAT 28-NI-NAT 29-CU-NAT 30-ZN-NAT 48-CD-NAT 50-SN-NAT 74-W -NAT	2.40-02 2.40-02 6.20-01 8.30-01 1.30-01 1.30-01 8.30-01 8.30-01 2.20-01 8.30-01 2.40-02 2.40-02 2.4-02 8.30-01 2.40-02 8.30-01	1 TOTAL 2 TOTAL 1 TOTAL 1 TOTAL 3 TOTAL 1 TOTAL 6 TOTAL 6 TOTAL
47 PHYS. REV. 72, 439 (1947) L.W.SEAGONDOLLAR, H.H.BARSCHALL (UNIV. WISCONSIN) RESOLUTION WAS 7-11 KEV.	13-AL-27 13-AL-27	5.81-01 3.80+00 4.50-02 7.95-01	73 TOTAL 10 RES.PARAM.
48 PHYS. REV. 73, 659 (1948) H.H.BARSCHALL, C.K.ROCKELMAN, L.H.SEAGONDOLLAR (WISCONSIN)	26-FE-NAT 28-NI-NAT 83-BI-209	2.80-02 6.85-01 8.80-02 1.08+00 5.16-01 1.38+00	14 TOTAL 63 TOTAL 11 TOTAL
49 PHYS. REV. 75, 1124 (1949) R.K.ADAIR, H.H.BARSCHALL, C.K.ROCKELMAN, O.SALA (UNIV. WISCONSIN) TRANSMISSION, NO CORRECTION FOR INSCATTERING	4-BE-9 8-O -NAT 11-NA-23 20-CA-NAT	2.00-02 2.40-01 2.00-02 2.35-01 2.50-02 9.90-01 2.50-02 5.22-01	20 TOTAL 13 TOTAL 120 TOTAL 69 TOTAL
50 PHYS. REV. 76, 277 (1949) C.K.ROCKELMAN, R.E.PETERSON, R.K.ADAIR, H.H.BARSCHALL (WISCONSIN)	40-ZR-NAT 47-AG-NAT 49-IN-NAT 51-SB-NAT 53-I -127 73-TA-NAT 82-PB-NAT	1.80-02 1.56+00 2.40-02 1.57+00 2.00-02 1.58+00 2.00-02 1.37+00 2.39-02 1.77+00 1.20-02 1.53+00 7.87-01 1.47+00	43 TOTAL 35 TOTAL 27 TOTAL 31 TOTAL 31 TOTAL 61 TOTAL 15 TOTAL
51 PHYS. REV. 76, 308 (1949) R.K.ADAIR, C.K.ROCKELMAN, R.E.PETERSON (WISCONSIN)	16-S -NAT 16-S -32	2.00-02 1.40-01 1.11-01 2.05-01	18 TOTAL 4 RES.PARAM.
52 PHYS. REV. 76, 1146 (1949) H.H.BARSCHALL, C.K.ROCKELMAN, R.E.PETERSON, R.K.ADAIR (WISCONSIN)	82-PB-NAT 83-BI-209	1.80-02 7.61-01 8.50-02 5.30-01	105 TOTAL 43 TOTAL
53 PHYS. REV. 76, 1750 (1949) E.MELKONIAN (COLUMBIA UNIV.) SLOW NEUTRON VELOCITY SPECTROMETER, HYDROGEN CROSS-SECTIONS ARE FOR THE GAS, NOT CORRECTED FOR THERMAL MOTION.	1-H -1 H2 GAS H2O 7-N -NAT 7-N -NAT N2 GAS 8-O -NAT 8-O -NAT O2 GAS 9-F -19 18-AR-NAT	1.30-05 1.85-03 3.25-09 5.50-06 3.32-09 5.26-06 3.80-07 1.80-01 1.50-05 1.50-05 3.10-09 5.50-06 1.50-05 1.31-01 1.50-05 1.50-05 3.10-09 9.80-06 1.50-05 1.50-05 1.50-05 1.00-01	21 TOTAL 42 TOTAL 40 TOTAL 25 TOTAL 1 FREE 38 TOTAL 15 TOTAL 1 FREE 51 TOTAL 1 FREE 22 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
54 ANL-4983 (1952) L.M.BOLLINGER, S.P.HARRIS (ANL) FAST CHOPPER. DATA TAKEN FROM BNL-325 (1958)	92-U	-233 3.40-08 9.20-07	19 TOTAL
55 PHYS. REV. 77, 747 (1950) R.E.PETERSON (UNIV. WISCONSIN) TRANSMISSION	19-K -NAT	8.00-03 5.97-01	118 TOTAL
56 PHYS. REV. 77, 787 (1950) J.L.FOWLER, J.M.SLYE, JR. (ORNL)	29-CU-63	1.18+01 1.26+01	5 N,2N
57 PHYS. REV. 79, 28 (1950) J.M.BLAIR, J.R.WALLACE (ANL)	23-V -NAT	1.00-01 1.00+00	153 TOTAL
58 PHYS. REV. 79, 593 (1950) R.E.PETERSON, H.H.BARSCHALL, C.K. BOCKELMAN (UNIV. WISCONSIN) TRANSMISSION MEASUREMENT. RESOLUTION VARIED FROM 2-9 KEV.	16-S -NAT 16-S -32	1.4.-01 1.41+00 1.11-01 7.42-01	299 TOTAL 14 RES.PARAM.
59 PHYS. REV. 79, 935 (1950) R.E.PETERSON, R.K.ADAIR, H.H.BARSCHALL THERE IS ALSO PRIVATE COMMUNICATION FROM H.H.BARSCHALL (1959). NYO-636 PAGE 72 (1951) NATURAL PB AND RADIOGENIC PB. RESOLUTION FROM 3 TO 10 KEV.	82-PB-NAT 82-PB-208	2.92-01 7.50-01 3.52-01 7.18-01	27 TOTAL 9 RES.PARAM.
60 PHYS. REV. 79, 1018 (1950) R.K.ADAIR (U.WISCONSIN) ENERGY SPREAD OF 20 KEV. DATA READ FROM SMALL CURVE	3-L1-NAT 3-L1-7	2.00-02 1.39+00 2.70-01 2.70-01	73 TOTAL 3 RES.PARAM.
61 PHYS. REV. 80, 145 (1950) R.L.HENKEL, H.H.BARSCHALL (UNIV. WISCONSIN) ACTIVATION. CORRECTION FOR BETTER BIOIN, ALPHA CROSS-SECTION USED IN BF3 FLUX MONITOR	13-AL-27	1.20-02 5.15-01	100 N,G
62 PHYS. REV. 80, 818 (1950) C.H.JOHNSON, H.H.BARSCHALL (UNIV. WISCONSIN) NITROGEN FILLED ION CHAMBER	7-N -NAT 7-N -NAT 7-N -14	1.48-01 2.15+00 1.00+00 2.11+00 4.99-01 1.80+00	185 N,P 70 N,A 5 RES.PARAM.
63 PHYS. REV. 80, 1011 (1950) C.K. BOCKELMAN (UNIV. WISCONSIN) TRANSMISSION	4-BE-9 5-BE -NAT 8-O -NAT 9-F -19	2.25-01 1.44+00 1.77-01 8.37-01 6.15-01 1.42+00 1.00-02 6.90-01	83 TOTAL 30 TOTAL 70 TOTAL 51 TOTAL
64 PHYS. REV. 78, 508 (1950) G.FREIER, M.FULK, E.E.LAMP, J.H.WILLIAMS (UNIV. MINNESOTA) TRANSMISSION	6-C -NAT 9-O -NAT 12-MG-NAT 14-S1-NAT 16-S -NAT	5.40-01 4.84+00 2.57+00 4.80+00 5.35-01 1.86+00 5.80-01 4.81+00 1.41+00 1.92+00	72 TOTAL 53 TOTAL 57 TOTAL 107 TOTAL 27 TOTAL
65 PHYS. REV. 81, 139 (1951) A.H.LASDAY (CARNEGIE TECH)	1-H -1 4-BE-9 6-C -NAT 22-T1-NAT 23-V -NAT 82-PB-NAT	1.39+01 1.39+01 1.39+01 1.39+01 1.39+01 1.39+01 1.39+01 1.39+01 1.39+01 1.39+01 1.39+01 1.39+01	1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL
66 PHYS. REV. 94, 735 (1954) G.H.HIGGINS, W.W.T.CRANE (BERKELEY)	95-AM-242G	2.50-08 2.50-08	1 N,FISS SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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66 ACTIVATION ANALYSIS

67	PHYS. REV. 82, 117 (1951) C.H. JOHNSON, C.K. BOCKELMAN, H.H. BARSCALL (UNIV. WIS.) NEON FILLED ION CHAMBER	10-NE-20	1.83+00	3.34+00	55	N,A
68	ATOMNAYA ENERGIYA 6, 569 (1959) YU.V. ADAMCHUK, S.S. MOSKALEV, M.I. PEVZNER (USSR) FAST CHOPPER. MAXIMUM RESOLUTION WAS 120 NSEC/M. TRANSLATED SOVIET J. ATOMIC ENERGY 6, 420 (1960) J. NUCLEAR ENERGY, PART A, 13, 72 (1960)	93-NP-237 93-NP-237 93-NP-237	2.70-06 0. 3.86-06	1.20-02 1.20-02 1.89-05	190 2 15	TOTAL AV.RES.PARAM. RES.PARAM.
69	PHYS. REV. 83, 479 (1951) R.E. FIELDS, M. WALT (UNIV. WIS.) TRANSMISSION - INSCATTERING CORRECTION MADE. ENERGY SPREAD VARIED UP TO 30 KEV.	12-MG-NAT 12-MG-NAT 12-MG-24 14-SI-NAT 14-SI-28	3.70-01 2.20-02 8.50-02 1.20-02 1.95-01	7.90-01 6.80-01 4.30-01 7.95-01 5.70-01	43 3 5 73 3	TOTAL RES.PARAM. RES.PARAM. TOTAL RES.PARAM.
70	PHYS. REV. 83, 1123 (1951) W.W. HAVENS, JR., L.J. RAINWATER (COLUMBIA) SLOW NEUTRON SPECTROMETER. RESOLUTION WAS ABOUT 1 MICROSEC/M.	35-BR-NAT	1.00-03	1.00-01	4	TOTAL
71	PHYS. REV. 83, 1148 (1951) B. PETREE, C.H. JOHNSON, D.W. MILLER (UNIV. WIS.) PROPORTIONAL COUNTER	5-B -NAT 5-B -10	3.70-01 1.90+00	2.70+00 1.90+00	15 1	N,A RES.PARAM.
72	PHYS. REV. 84, 69 (1951) C.K. BOCKELMAN, D.W. MILLER, R.K. ADAIR, H.H. BARSCALL (UNIV. WIS.) TRANSMISSION - CORRECTED FOR INSCATTERING BY J.L. FOWLER. 20 KEV NEUTRON ENERGY SPREAD.	3-LI-NAT 4-BE-9 4-BE-9 5-B -NAT 5-B -10 5-B -11 6-C -NAT 6-C -12 8-O -NAT 8-O -16	1.33+00 1.37+00 6.20-01 9.70-01 2.00-02 4.30-01 1.25+00 2.08+00 1.24+00 4.40-01	3.37+00 3.35+00 8.10-01 3.40+00 3.39+00 2.58+00 3.35+00 2.95+00 3.47+00 2.37+00	99 117 3 140 197 11 122 3 162 15	TOTAL TOTAL RES.PARAM. TOTAL TOTAL RES.PARAM. TOTAL RES.PARAM. TOTAL RES.PARAM.
73	PHYS. REV. 84, 162 (1951) P.H. STELSON, W.M. PRESTON (MIT) TRANSMISSION - CORRECTION FOR INSCATTERING. BEST RESOLUTION WAS 5 KEV.	3-LI-NAT 3-LI-7	1.49-01 2.56-01	3.72-01 2.56-01	29 3	TOTAL RES.PARAM.
74	PHYS. REV. 84, 902 (1951) W.F. STUBBINS (ANL)	25-MN-55 27-CO-59 42-MO-NAT	8.00-02 3.20-01 7.50-02	9.90-01 1.00+00 1.14+00	173 69 86	TOTAL TOTAL TOTAL
75	PHYS. REV. 85, 595 (1952) C.T. HIBDON, A.S. LANGSDORF, JR., R.E. HOLLAND (ANL) 2 KEV RESOLUTION.	11-NA-23 11-NA-23 22-TI-NAT 23-V -NAT 25-MN-55 26-FE-NAT 27-CO-59	2.00-03 2.80-03 3.00-03 2.00-03 2.57-02 2.00-03 2.00-03	7.80-02 5.50-02 3.90-02 2.50-02 7.97-02 2.40-02 9.80-02	41 2 18 19 26 12 40	TOTAL RES.PARAM. TOTAL TOTAL TOTAL TOTAL TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
75	28-NI-NAT	2.00-03 4.10-02	30 TOTAL
76 PHYS. REV. 86, 483 (1952) J.J.HINCHEY, P.H.STELSON, W.M.PRESTON (MIT) TRANSMISSION - LIQUID NITROGEN AND LITHIUM AZIDE TARGETS. G.FOSTER (ASL) COMBINED DATA FROM BOTH SAMPLES OFF-RESONANCE. USED GOOD RESOLUTION MEASUREMENT ALONE AT SHARP RESONANCES. RESOLUTION VARIED FROM 4-11 KEV.	7-N -NAT 7-N -14	1.58-01 1.78+00 4.30-01 1.77+00	213 TOTAL 24 RES.PARAM.
77 LA-2177 (1959) L.CRANBERG (LASL) ISOTROPY ASSUMED FOR THE INELASTIC CROSS-SECTIONS	92-U -NA1 92-U -235 92-U -235 92-U -235 94-PU-239 94-PU-239 94-PU-239	5.50-01 2.00+00 5.50-01 2.00+00 5.5-01 2.00+00 5.50-01 2.00+00 5.50-01 2.00+00 5.50-01 2.00+00 5.50-01 2.00+00	45 SCATTER E1-E2.D(A) 3 SCATTER 7 N.N 46 SCATTER E1-E2.D(A) 3 SCATTER 6 N.N' 46 SCATTER E1-E2.D(A)
78 PHYS. REV. 87, 11 (1952) H.L.POSS, E.D.SALANZI, G.A.SNOW, L.C.L.YUAN (BNL) TRANSMISSION OF C, POLYETHYLENE, H2O, D2O, C3H6N6, WERE MEASURED. CARBON DETERMINED DIRECTLY, H FROM POLYETHYLENE CORRECTED FOR C, O FROM H2O CORRECTED FOR H, ETC.	1-H -1 1-H -2 6-C -NAT 7-N -NAT 8-O -NAT	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL
79 PHYS. REV. 87, 716 (1952) A.B.LILLIE (RICE) CLOUD CHAMBER	7-N -NAT 8-O -16 8-O -16 8-O -16	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 N.A 1 N.P 1 N.D 1 N.A
80 PHYS. REV. 88, 83 (1952) D.W.MILLER, R.K.AOAIK, C.K. BOCKELMAN, S.E.DARDEN	26-Fe-NAT 28-NI-NAT 29-CU-NAT 30-ZN-NAT 38-SR-NAT 39-Y -89 40-ZR-NAT 41-NB-93 42-MO-NAT 47-AG-NAT 49-IN-NAT 50-SN-NAT 51-SB-NAT 53-I -127 56-BA-NAT 57-LA-139 58-CE-NAT 59-PR-141 73-TA-NAT 74-W -NAT 82-PB-NAT RADIO LEAD 83-BI-209	1.00+00 3.21+00 8.50-01 3.20+00 1.00+00 3.21+00 1.00+00 3.21+00 5.00-02 3.21+00 8.00-02 3.23+00 1.30+00 3.21+00 1.00-01 3.21+00 2.00-02 3.21+00 1.00+00 3.21+00 1.00+00 3.21+00 1.00+00 3.21+00 1.00+00 3.21+00 1.00+00 3.21+00 2.30-01 3.21+00 3.00-02 3.21+00 6.00-02 3.21+00 5.00-02 3.21+00 1.00+00 3.20 00 8.50-01 3.21 00 1.00+00 3.21+00 8.40-01 3.21+00 1.00+00 3.21+00	14 TOTAL 15 TOTAL 14 TOTAL 14 TOTAL 75 TOTAL 76 TOTAL 12 TOTAL 28 TOTAL 43 TOTAL 14 TOTAL 17 TOTAL 16 TOTAL 17 TOTAL 14 TOTAL 60 TOTAL 80 TOTAL 68 TOTAL 77 TOTAL 14 TOTAL 15 TOTAL 16 TOTAL 15 TOTAL 9 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

81 PHYS. REV. 88, 562 (1952) J.H.COON, E.R.GRAVES,
H.H.BARSCHALL (LASL)
TRANSMISSION IN GOOD GEOMETRY

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 81

PTS DESCRIPTION

TARGET EN. RANGE (MEV)

3-L-6 1.40+01 1.40+01

3-L-7 1.40+01 1.40+01

4-BE-9 1.40+01 1.40+01

5-B-10 1.40+01 1.40+01

5-B-11 1.40+01 1.40+01

5-C-NAT 1.40+01 1.41+01

7-N-NAT 1.41+01 1.41+01

8-O-NAT 1.40+01 1.40+01

9-F-19 1.40+01 1.40+01

11-NA-23 1.40+01 1.40+01

12-HO-NAT 1.40+01 1.40+01

13-AL-27 1.40+01 1.40+01

14-S1-NAT 1.40+01 1.40+01

15-P-31 1.40+01 1.40+01

16-S-NAT 1.40+01 1.40+01

17-CL-NAT 1.41+01 1.41+01

19-K-NAT 1.40+01 1.40+01

20-CA-NAT 1.40+01 1.40+01

22-T1-NAT 1.40+01 1.40+01

24-CR-NAT 1.40+01 1.40+01

25-MN-55 1.40+01 1.40+01

26-FE-NAT 1.40+01 1.40+01

27-CO-59 1.40+01 1.40+01

28-N1-NAT 1.40+01 1.40+01

29-CU-NAT 1.40+01 1.40+01

30-ZN-NAT 1.40+01 1.40+01

31-CA-NAT 1.40+01 1.40+01

34-SE-NAT 1.40+01 1.40+01

35-BR-NAT 1.40+01 1.40+01

38-SR-90 1.40+01 1.40+01

39-Y-89 1.40+01 1.40+01

40-ZR-NAT 1.40+01 1.40+01

41-NB-93 1.40+01 1.40+01

42-HO-NAT 1.40+01 1.40+01

47-AO-NAT 1.40+01 1.40+01

48-CD-NAT 1.40+01 1.40+01

49-IN-NAT 1.40+01 1.40+01

50-SN-NAT 1.40+01 1.40+01

51-ZB-NAT 1.40+01 1.40+01

52-TE-NAT 1.40+01 1.40+01

53-I-127 1.40+01 1.40+01

56-BA-NAT 1.40+01 1.40+01

57-LA-NAT 1.40+01 1.40+01

58-CE-NAT 1.40+01 1.40+01

59-PR-141 1.40+01 1.40+01

73-TA-NAT 1.40+01 1.40+01

74-W-NAT 1.40+01 1.40+01

78-PY-NAT 1.40+01 1.40+01

79-AU-197 1.40+01 1.40+01

80-HO-NAT 1.40+01 1.40+01

81-TL-NAT 1.40+01 1.40+01

82-PB-NAT 1.40+01 1.40+01

REF BIBLIOGRAPHY

... 3-15 ...

REF. NO. = 81

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
81	92-PB-206	1.40+01 1.40+01	1	TOTAL
	83-B1-209	1.40+01 1.47+01	1	TOTAL
	90-TH-232	1.40+01 1.40+01	1	TOTAL
	92-U -NAT	1.40+01 1.40+01	1	TOTAL
82 PHYS. REV. 88, 600 (1952) D.D.PHILLIPS, R.W.DAVIS, E.R.GRAVES (LASL) SPHERE TRANSMISSION - NO MULTIPLE SCATTERING CORRECTION. AUTHORS FELT NONE WAS NEEDED	5-B -NAT	1.41+01 1.41+01	1	NONELAS
	5-C -NAT	1.41+01 1.41+01	1	NONELAS
	7-N -NAT	1.41+01 1.41+01	1	NONELAS
	13-AL-27	1.41+01 1.41+01	1	NONELAS
	26-FE-NAT	1.41+01 1.41+01	1	NONELAS
	29-CU-NAT	1.41+01 1.41+01	1	NONELAS
	48-CD-NAT	1.41+01 1.41+01	1	NONELAS
	79-AU-197	1.41+01 1.41+01	1	NONELAS
	82-PB-NAT	1.41+01 1.41+01	1	NONELAS
	83-B1-209	1.41+01 1.41+01	1	NONELAS
83 PHYS. REV. 88, 618 (1952) J.E.BRODLEY, JR., J.L.FOWLER, L.K.SCHLACKS (LASL) ACTIVATION	6-C -12	2.30+01 2.70+01	3	N,2N
	29-CU-63	1.45+01 2.71+01	5	N,2N
	42-MO-92	1.31+01 2.70+01	6	N,2N
84 PHYS. REV. 88, 1309 (1952) S.G.FORBES (LASL)	13-AL-27	1.41+01 1.41+01	1	N,P
	13-AL-27	1.41+01 1.41+01	1	N,A
	15-P -31	1.41+01 1.41+01	1	N,P
	26-FE-56	1.41+01 1.41+01	1	N,P
	29-CU-63	1.41+01 1.41+01	1	N,2N
	29-CU-65	1.41+01 1.41+01	1	N,2N
	29-CU-65	1.41+01 1.41+01	1	N,P
	47-AG-107	1.41+01 1.41+01	1	N,2N
	47-AG-109	1.41+01 1.41+01	1	N,2N
85 PHYS. REV. 88, 1354 (1952) P.H.STELSON, W.M.PRESTON (MIT) TRANSMISSION. RESOLUTION VARIED FROM 2.5 TO 5 KEV.	11-NA-23	4.97+01 1.01+00	131	TOTAL
	11-NA-23	2.00+01 9.88+01	29	RES.PARAM.
86 PHYS. REV. 89, 80 (1953) M.E.BATAT, F.L.RIBE (LASL) OBSERVED HE6 BETA DECAY -NORMALIZED TO CU63(N,2N)CU62	3-L1-6	1.41+01 1.41+01	1	N,P
	3-L1-7	1.41+01 1.41+01	1	N,D
	4-BE-9	1.41+01 1.41+01	1	N,A
87 PHYS. REV. 89, 204 (1953) E.M.HAFNER, W.F.HORNYAK, C.E.FALK, G.A.SNOW, T.COOR (BNL) TRANSMISSION ON C AND CH2 - INSCATTERING CORRECTION MADE - H CROSS-SECTION DEDUCED	1-H -1	4.74+00 4.74+00	1	TOTAL
	6-C -NAT	3.91+00 4.84+00	39	TOTAL
88 NUCLEAR PHYS. 35, 353 (1962) J.KANTELE, D.G.GARDNER (UNIV. ARK.) ACTIVATION - NORMALIZED TO CU63(N,2N) VALUE OF 507 MB AND TO CU65(N,2N) VALUE OF 953 MILLIBARNS	5-B -11	1.47+01 1.47+01	1	N,P
	5-B -11	1.47+01 1.47+01	1	N,A
	8-O -NAT	1.47+01 1.47+01	1	N,P
	9-F -19	1.47+01 1.47+01	1	N,P
	13-AL-27	1.47+01 1.47+01	1	N,P
	15-P -31	1.47+01 1.47+01	1	N,2N
	15-P -31	1.47+01 1.47+01	1	N,P
	15-P -31	1.47+01 1.47+01	1	N,A
	29-CU-63	1.47+01 1.47+01	1	N,A
	29-CU-65	1.47+01 1.47+01	1	N,N'A

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
88	29-CU-65	1.47+01 1.47+01	1 N,A
89 PHYS. REV. 89, 1247 (1953) P.R.TUNNICLIFFE (HARWELL)	1-H -2	1.35-01 9.14-01	6 ELASTIC
90 PHYS. REV. 89, 1271 (1953) M.WALT, R.L.BECKER, A.OKAZAKI, R.E.FIELDS (UNIV. WISCONSIN)	27-CO-59	1.10+00 3.00+00	13 TOTAL
	31-GA-NAT	1.40-01 2.98+00	22 TOTAL
	34-SE-NAT	9.90-02 2.98+00	18 TOTAL
	48-CD-NAT	6.00-02 2.97+00	23 TOTAL
	52-TE-NAT	9.00-02 2.97+00	20 TOTAL
	78-PT-NAT	1.10-01 2.89+00	18 TOTAL
	79-AU-197	9.50-02 2.98+00	18 TOTAL
	80-HG-NAT	1.7-01 2.84+00	17 TOTAL
91 PHYS. REV. 89, 1302 (1953) H.C.MARTIN, R.F.TASCHEK (LASL)	90-TH-232	1.00-01 3.00+00	18 TOTAL
	53-I -127	1.23+01 1.82+01	6 N,2N
92 PRIVATE COMMUNICATION (1954) P.H.STELSON (MIT) VIA BNL SIGMA CENTER 1/65. TRANSMISSION	4-8E-9	5.05-01 8.50-01	58 TOTAL
93 PHYS. REV. 90, 615 (1953) S.C.SNOWDON, W.D.WHITEHEAD (BARTOL) TRANSMISSION	15-P -31	1.33-01 5.44-01	41 TOTAL
	17-CL-NAT	6.00-02 6.92-01	57 TOTAL
	79-AU-197	1.00-01 7.20-01	74 TOTAL
94 PHYS. REV. 90, 618 (1953) H.R.DVORAK, R.N.LITTLE,JR. (UNIV. TEXAS) TRANSMISSION	6-C -NAT	2.21+00 2.77+00	14 TOTAL
	11-NA-23	2.21+00 2.76+00	14 TOTAL
	17-CL-NAT	2.21+00 2.76+00	14 TOTAL
	22-TI-NAT	2.21+00 2.74+00	13 TOTAL
	35-BR-NAT	2.21+00 2.76+00	14 TOTAL
95 PHYS. REV. 91, 66 (1953) R.M.KIEHN, C.GOODMAN, K.F.HANSEN (MIT) TRANSMISSION	17-CL-NAT	1.33-01 1.08+00	438 TOTAL
96 PHYS. REV. 91, 473 (1953) B.J.TOPPEL, S.D.BLOOM (BNL) ARGON FILLED PROPORTIONAL COUNTER	18-AR-36	2.15+00 4.40+00	6 N,A
97 NUCLEAR PHYS. 68, 97 (1965) P.H.STELSON, R.L.ROBINSON, H.J.KIM, J.RAPAPORT, O.R.SATCHLER (ORNL) TIME OF FLIGHT WITH RINO SCATTERER	12-MO-NAT	1.40+01 1.40+01	11 ELASTIC D(A)
	12-MO-NAT	1.40+01 1.40+01	22 N,N' D(A)
	13-AL-27	1.40+01 1.40+01	9 ELASTIC D(A)
	13-AL-27	1.40+01 1.40+01	30 N,N' D(A)
	14-SI-NAT	1.40+01 1.40+01	9 ELASTIC D(A)
	14-SI-NAT	1.40+01 1.40+01	18 N,N' D(A)
	15-P -31	1.40+01 1.40+01	9 ELASTIC D(A)
	15-P -31	1.40+01 1.40+01	8 N,N' D(A)
	16-S -NAT	1.40+01 1.40+01	14 ELASTIC D(A)
	16-S -NAT	1.40+01 1.40+01	14 N,N' D(A)
	24-CR-NAT	1.40+01 1.40+01	12 ELASTIC D(A)
	24-CR-NAT	1.40+01 1.40+01	22 N,N' D(A)
	28-NI-NAT	1.40+01 1.40+01	10 ELASTIC D(A)
	28-NI-NAT	1.40+01 1.40+01	13 N,N' D(A)
	30-ZN-NAT	1.40+01 1.40+01	10 ELASTIC D(A)
	30-ZN-NAT	1.40+00 1.40+01	20 N,N' D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

	TARGET	EN.	RANGE (MEV)	PTS	DESCRIPTION
97	48-CD-NAT	1.40+01	1.40+01	11	ELASTIC D(A)
	48-CD-NAT	1.40+01	1.40+01	11	N,N' D(A)
	50-SN-NAT	1.40+01	1.40+01	9	ELASTIC D(A)
	50-SN-NAT	1.40+01	1.40+01	18	N,N' D(A)
	51-SB-NAT	1.40+01	1.40+01	9	ELASTIC D(A)
	51-SB-NAT	1.40+01	1.40+01	17	N,N' D(A)
	82-PB-NAT	1.40+01	1.40+01	10	ELASTIC D(A)
	82-PB-NAT	1.40+01	1.40+01	17	N,N' D(A)
	83-B1-209	1.40+01	1.40+01	6	ELASTIC D(A)
	83-B1-209	1.40+01	1.40+01	12	N,N' D(A)
98 PHYS. REV. 92, 323 (1953) J.B.GUERNSEY, C.GOODMAN (MIT); DATA TABLES BY PRIVATE COMMUNICATION (1/58) TRANSMISSION	18-AR-NAT	4.4-01	1.10+00	376	TOTAL
99 PHYS. REV. 92, 652 (1953) K.F.HANSEN, R.M.KIEHN, C.GOODMAN (MIT) TRANSMISSION	15-P -31	1.25-01	8.31-01	196	TOTAL
100 PHYS. REV. 92, 702 (1953) E.MELKONIAN, W.W.HAVENS, JR., L.J.RAINHATER (COLUMBIA) BNL-325 2ND ED. SUPPL.2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS.	31-GA-NAT	1.0-03	1.00-01	2	TOTAL
	44-RU-NAT	1.00-02	1.00-01	2	TOTAL
	44-RU-NAT	9.80-06	9.80-06	1	RES.PARAH.
	44-RU-95	2.41-05	2.41-05	1	RES.PARAH.
	44-RU-101	1.52-05	4.09-05	2	RES.PARAH.
	73-TA-NAT	1.00-02	1.00-02	1	TOTAL
	73-TA-681	1.02-05	3.62-05	12	RES.PARAH.
	75-RE-NAT	5.92-06	2.11-05	5	RES.PARAH.
	75-RE-185	2.18-06	2.11-05	6	RES.PARAH.
	75-RE-187	4.40-06	1.77-05	4	RES.PARAH.
101 PHYS. REV. 93, 461 (1954) A.OKAZAKI, S.E.DARDEN, R.B.WALTON (UNIV. WISCONSIN)	60-NU-NAT	5.00-02	2.80+00	22	TOTAL
	62-SH-NAT	1.00-01	2.80+00	28	TOTAL
	67-HO-165	5.00-02	2.95+00	27	TOTAL
	68-ER-NAT	5.00-02	2.97+00	23	TOTAL
	70-YB-NAT	5.00-02	2.95+00	26	TOTAL
	72-HF-NAT	5.00-02	2.95+00	22	TOTAL
102 PHYS. REV. 93, 498 (1954) H.C.MARTIN (LASL) ACTIVATION - NORMALIZED TO CU63(N,ZN) OF 510 MILLIBARNS AT 14 MEV RENORMALIZE BY AUTHOR WAPD-BT-25 PAGE 27 (1962)	B-O -16	1.00+01	1.79+01	12	N,P
103 PHYS. REV. 93, 1062 (1954) M.WALT, H.H.BARSCHALL (WISCONSIN)	22-TI-NAT	1.00+00	1.00+00	1	ELASTIC
	22-TI-NAT	1.00+00	1.00+00	9	ELASTIC D(A)
	26-FE-NAT	1.00+00	1.00+00	1	ELASTIC
	26-FE-NAT	1.00+00	1.00+00	9	ELASTIC D(A)
	27-CO-59	1.00+00	1.00+00	1	ELASTIC
	27-CO-59	1.00+00	1.00+00	1	NONELAS
	27-CO-59	1.00+00	1.00+00	9	ELASTIC D(A)
	28-NI-NAT	1.00+00	1.00+00	1	ELASTIC
	28-NI-NAT	1.00+00	1.00+00	9	ELASTIC D(A)
	29-CU-NAT	1.00+00	1.00+00	1	ELASTIC

REF BIBLIOGRAPHY

TARGET	EN.	RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

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TARGE T EN. RANGE (MEV) PTS DESCRIPTION

29-CU-NAT	1.00+00	1.00+00	9 ELASTIC D(A)
30-ZN-NAT	1.00+00	1.00+00	1 ELASTIC
30-ZN-NAT	1.00+00	1.00+00	1 NONELAS
30-ZN-NAT	1.00+00	1.00+00	9 ELASTIC D(A)
34-SE-NAT	1.00+00	1.00+00	1 ELASTIC
34-SE-NAT	1.00+00	1.00+00	1 NONELAS
34-SE-NAT	1.00+00	1.00+00	9 ELASTIC D(A)
38-SR-NAT	1.00+00	1.00+00	1 ELASTIC
38-SR-NAT	1.00+00	1.00+00	1 NONELAS
38-SR-NAT	1.00+00	1.00+00	9 ELASTIC D(A)
40-ZR-NAT	1.00+00	1.00+00	1 ELASTIC
40-ZR-NAT	1.00+00	1.00+00	9 ELASTIC D(A)
41-NB-93	1.00+00	1.00+00	1 ELASTIC
41-NB-93	1.00+00	1.00+00	1 NONELAS
41-NB-93	1.00+00	1.00+00	9 ELASTIC D(A)
42-MO-NAT	1.00+00	1.00+00	1 ELASTIC
42-MO-NAT	1.00+00	1.00+00	1 NONELAS
42-MO-NAT	1.00+00	1.00+00	9 ELASTIC D(A)
47-AO-NAT	1.00+00	1.00+00	1 ELASTIC
47-AO-NAT	1.00+00	1.00+00	9 ELASTIC D(A)
48-CD-NAT	1.00+00	1.00+00	1 ELASTIC
48-CD-NAT	1.00+00	1.00+00	9 ELASTIC D(A)
49-IN-NAT	1.00+00	1.00+00	1 ELASTIC
49-IN-NAT	1.00+00	1.00+00	1 NONELAS
49-IN-NAT	1.00+00	1.00+00	9 ELASTIC D(A)
50-SN-NAT	1.00+00	1.00+00	1 ELASTIC
50-SN-NAT	1.00+00	1.00+00	1 NONELAS
50-SN-NAT	1.00+00	1.00+00	9 ELASTIC D(A)
51-SB-NAT	1.00+00	1.00+00	1 ELASTIC
51-SB-NAT	1.00+00	1.00+00	1 NONELAS
51-SB-NAT	1.00+00	1.00+00	9 ELASTIC D(A)
52-TL-NAT	1.00+00	1.00+00	1 ELASTIC
52-TL-NAT	1.00+00	1.00+00	1 NONELAS
52-TL-NAT	1.00+00	1.00+00	9 ELASTIC D(A)
56-BA-NAT	1.00+00	1.00+00	1 ELASTIC
56-BA-NAT	1.00+00	1.00+00	1 NONELAS
56-BA-NAT	1.00+00	1.00+00	9 ELASTIC D(A)
58-CE-NAT	1.00+00	1.00+00	1 ELASTIC
58-CE-NAT	1.00+00	1.00+00	1 NONELAS
58-CE-NAT	1.00+00	1.00+00	9 ELASTIC D(A)
72-HF-NAT	1.00+00	1.00+00	1 ELASTIC
72-HF-NAT	1.00+00	1.00+00	1 NONELAS
72-HF-NAT	1.00+00	1.00+00	9 ELASTIC D(A)
73-TA-NAT	1.00+00	1.00+00	1 ELASTIC
73-TA-NAT	1.00+00	1.00+00	1 NONELAS
73-TA-NAT	1.00+00	1.00+00	9 ELASTIC D(A)
74-W-NAT	1.00+00	1.00+00	1 ELASTIC
74-W-NAT	1.00+00	1.00+00	1 NONELAS
74-W-NAT	1.00+00	1.00+00	9 ELASTIC D(A)
79-AU-197	1.00+00	1.00+00	1 ELASTIC
79-AU-197	1.00+00	1.00+00	1 NONELAS
79-AU-197	1.00+00	1.00+00	9 ELASTIC D(A)
80-HG-NAT	1.00+00	1.00+00	1 ELASTIC
80-HG-NAT	1.00+00	1.00+00	1 NONELAS
80-HG-NAT	1.00+00	1.00+00	9 ELASTIC D(A)

REF BIBLIOGRAPHY

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REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
103	82-PB-NAT	1.00+00 1.00+00	2	ELASTIC
	82-PB-NAT	1.00+00 1.00+00	9	ELASTIC D(A)
	82-PB-206	1.00+00 1.00+00	1	NONELAS
	RADIO LEAD	1.00+00 1.00+00	9	ELASTIC D(A)
	83-BI-209	1.00+00 1.00+00	1	ELASTIC
	83-BI-209	1.00+00 1.00+00	9	ELASTIC D(A)
	90-TH-232	1.00+00 1.00+00	1	ELASTIC
	90-TH-232	1.00+00 1.00+00	1	NONELAS
	90 TH 232	1.00+00 1.00+00	9	ELASTIC D(A)
104 PHYS. REV. 93, 1086 (1954) C.M.FRYE, JR. (LASL)	3-LI-6	1.41+01 1.41+01	1	N,P
	3-LI-6	1.41+01 1.40+01	18	N,P D(A)
	3-LI-6	1.40+01 1.40+01	21	N,D D(A)
	3-LI-6	1.40+01 1.40+01	21	N,T D(A)
	3-LI-7	1.40+01 1.40+01	13	N,T D(A)
105 PHYS. REV. 94, 141 (1954) R.L.HENKEL, L.CRANBERG, G.A.JARVIS, R.A.NOBLE, J.E.PERRY, JR. (LASL) GOOD GEOMETRY. INSCATTERING CORRECTIONS MADE	92-U -NAT	1.00-01 2.00+01	41	TOTAL
106 PHYS. REV. 94, 389 (1954) T.E.FIELDS, R.L.BECKER, R.K.ADAIR (WISCONSIN)	1-H -1	1.00+00 2.54+00	2	TOTAL
107 PHYS. REV. 94, 651 (1954) C.F.COOK, T.W.BONNER (RICE) TRANSMISSION - INSCATTERING CORRECTION MADE	1-H -1	1.41+01 1.80+01	8	TOTAL
	1-H -2	1.41+01 1.80+01	8	TOTAL
	3-LI-NAT	1.41+01 1.80+01	8	TOTAL
	4-BE-9	1.41+01 1.80+01	8	TOTAL
	5-B -10	1.41+01 1.80+01	8	TOTAL
	5-B -11	1.41+01 1.80+01	8	TOTAL
	6-C -NAT	1.41+01 1.80+01	8	TOTAL
	8-O -NAT	1.41+01 1.80+01	8	TOTAL
	12-MG-NAT	1.41+01 1.80+01	3	TOTAL
	13-AL-27	1.41+01 1.80+01	3	TOTAL
	16-S -NAT	1.41+01 1.80+01	3	TOTAL
108 NUOVO CIMENTO 26, 1328 (1962) M.CEVLANI, S.PETRALIA (BOLOGNA) ACTIVATION - COUNTED GAMMA-GAMMA ANNIHILATION COINCIDENCE	7-N -NAT	1.41+01 1.41+01	1	N,2N
	9-F -19	1.41+01 1.41+01	1	N,2N
	15-P -31	1.41+01 1.41+01	1	N,2N
	21-SC-45	1.41+01 1.41+01	1	N,2N
	22-TI-46	1.41+01 1.41+01	1	N,2N
	29-CU-63	1.41+01 1.41+01	1	N,2N
	30-ZN-64	1.41+01 1.41+01	1	N,2N
	31-GA-69	1.41+01 1.41+01	1	N,2N
	35-BR-79	1.41+01 1.41+01	1	N,2N
	42-MO-92	1.41+01 1.41+01	1	N,2N
	47-AG-107	1.41+01 1.41+01	1	N,2N
	59-PR-141	1.41+01 1.41+01	1	N,2N
109 PHYS. REV. 95, 117 (1954) J.B.WEDDELL, J.H.ROBERTS (NORTHWESTERN UNIV.) NUCLEAR EMULSION	3-LI-6	1.50+00 2.00+00	2	N,T
	3-LI-6	1.50+00 1.50+00	1	N,A
	3-LI-6	1.10+00 2.00+00	54	N,T D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
110 PHYS. REV. 95, 730 (1954) J.R.SMITH (RICE)	7-N -NAT	1.41+01 1.41+01	1 ELASTIC
	7-N -NAT	1.41+01 1.41+01	1 N,N'
111 PHYS. REV. 95, 989 (1954) R.M.KIEHN, C.GOODMAN (MIT)	13-AL-27	2.42+00 2.58+00	9 TOTAL
	13-AL-27	1.01+00 2.76+00	208 N,XG
	24-CR-NAT	1.44+00 2.76+00	45 N,XG
	26-FE-NAT	0.43-01 2.70+00	179 N,XG
	28-NI-NAT	1.34+00 2.69+00	77 N,XG
	82-PB-NAT	1.20+00 2.70+00	33 N,XG
	83-BI-209	0.68-01 2.74+00	38 N,XG
112 PHYS. REV. 95, 1252 (1954) C.L.STORRS, D.H.FRISCH (MIT)	1-H -1	1.2.+00 1.31+00	1 TOTAL
	6-C -NAT	1.31+00 1.31+00	1 TOTAL
113 PHYS. REV. 96, 386 (1954) V.E.SCHERRER, B.A.ALLISON, W.R.FAUST (NRL) NAT(TEL) CRYSTAL SPECTROMETER	4-BE-9	3.20+00 3.20+00	1 N,XG
	24-CR-NAT	3.20+00 3.20+00	3 N,XG
	26-FE-NAT	3.20+00 3.20+00	3 N,XG
	27-CO-59	3.20+00 3.20+00	5 N,XG
	28-NI-NAT	3.20+00 3.20+00	4 N,XG
	29-CU-NAT	3.20+00 3.20+00	4 N,XG
	30-ZN-NAT	3.20+00 3.20+00	3 N,XG
	40-ZR-NAT	9.00-01 3.20+00	10 N,XG
	42-MO-NAT	3.20+00 3.20+00	3 N,XG
	48-CD-NAT	3.20+00 3.20+00	2 N,XG
	49-IN-NAT	3.20+00 3.20+00	4 N,XG
	50-SN-NAT	3.20+00 3.20+00	3 N,XG
	73-TA-181	3.20+00 3.20+00	2 N,XG
	82-PB-NAT	3.20+00 3.20+00	8 N,XG
	83-BI-209	3.20+00 3.20+00	4 N,XG
114 PHYS. REV. 96, 985 (1954) C.H.JOHNSON, H.B.WILLARD, J.K.BAIR (ORNL) TRANSMISSION.	3-LI-6	3.91-01 4.15+00	179 TOTAL
	3-LI-6	2.55-01 2.55-01	4 RES.PARAM.
115 NUCLEAR SCIENCE AND ENGINEERING 29, 218 (1967) D.C.STUPEGIA, M.SCHMIDT, C.R.KEEDY (ANL) ACTIVATION TECHNIQUE	93-NP-237	1.52-01 1.50+00	8 N,G
116 PHYS. REV. 97, 985 (1955) T.W.BONNER, F.ALBA, A.FERNANDEZ, H.HAZARI (INSTITUTE OF PHYSICS, NAT. UNIV. OF MEXICO)	82-PB-NAT	1.28+01 1.28+01	1 TOTAL
117 PHYS. REV. 97, 1205 (1955) C.R.GRAVES, R.W.DAVIS (LASL) SPHERE TRANSMISSION - NO MULTIPLE SCATTERING CORRECTION	6-C -NAT	1.41+01 1.41+01	1 NONELAS
	13-AL-27	1.41+01 1.41+01	1 NONELAS
	26-FE-NAT	1.41+01 1.41+01	1 NONELAS
	29-CU-NAT	1.41+01 1.41+01	1 NONELAS
	30-ZN-NAT	1.41+01 1.41+01	1 NONELAS
	47-AO-NAT	1.41+01 1.41+01	1 NONELAS
	48-CD-NAT	1.41+01 1.41+01	1 NONELAS
	50-SN-NAT	1.41+01 1.41+01	1 NONELAS
	79-AU-197	1.41+01 1.41+01	1 NONELAS
	82-PB-NAT	1.41+01 1.41+01	1 NONELAS
	83-BI-209	1.41+01 1.41+01	1 NONELAS

D(A)

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
118 PHYS. REV. 97, 1222 (1955) P.H.STELSON, E.C.CAMPBELL (ORNL)	82-PB-207	1.60+00 3.20+00	12 N,N'
119 PHYS. REV. 98, 47 (1955) R.J.PRESTWOOD (LASL)	11-NA-23	1.41+01 1.41+01	1 N,2N
120 PHYS. REV. 98, 666 (1955) J.D.SEAGRAVE, R.L.HENKEL (LASL) TRANSMISSION OF D GAS - INSCATTERING CORRECTION MADE	1-H -2	2.67-01 2.18+01	29 TOTAL
121 PHYS. REV. 98, 669 (1955) H.B.WILLARD, J.K.BAIR, J.D.KINGTON (ORNL) CYLINDRICAL SCATTERER WITH H RECOIL PROPORTIONAL COUNTER	4-BE-9	5.40-01 7.00-01	3 ELASTIC
	4-BE-9	5.40-01 7.00-01	27 ELASTIC D(A)
	4-BE-9	5.20-01 6.10-01	6 RES.PARAM.
	5-B -NAT	4.30-01 1.50+00	84 ELASTIC D(A)
	5-B -10	5.2-01 1.50+00	3 ELASTIC
	5-B -10	5.50-01 1.50+00	21 ELASTIC D(A)
	5-B -11	4.30-01 1.50+00	5 ELASTIC
	5-B -11	4.30-01 1.28+00	4 RES.PARAM.
	6-C -NAT	5.50-01 1.50+00	3 ELASTIC
	6-C -NAT	5.50-01 1.50+00	25 ELASTIC D(A)
122 PHYS. REV. 98, 1216 (1955) J.R.BEYSTER, R.L.HENKEL, R.A.NOBLIS, J.M.KISTER (LASL) SPHERE TRANSMISSION PHYS. REV. 97, 563 (1955)	4-BE-9	4.07+00 4.07+00	1 NONELAS
	6-C -NAT	1.00+00 4.07+00	2 NONELAS
	13-AL-27	1.00+00 4.50+00	2 NONELAS
	22-TI-NAT	4.00+00 4.50+00	2 NONELAS
	26-FE-NAT	4.00+00 4.50+00	2 NONELAS
	28-NI-NAT	4.00+00 4.50+00	2 NONELAS
	29-CU-NAT	1.00+00 4.50+00	3 NONELAS
	30-ZN-NAT	4.00+00 4.50+00	2 NONELAS
	40-ZR-NAT	4.00+00 4.50+00	2 NONELAS
	47-AG-NAT	4.00+00 4.50+00	2 NONELAS
	48-CD-NAT	4.00+00 4.50+00	2 NONELAS
	50-SN-NAT	1.00+00 4.50+00	3 NONELAS
	74-W -NAT	4.00+00 4.50+00	2 NONELAS
	79-AU-197	4.00+00 4.50+00	2 NONELAS
	82-PB-NAT	1.00+00 4.50+00	3 NONELAS
	83-BI-209	1.00+00 4.50+00	3 NONELAS
123 PHYS. REV. 99, 55 (1955) A.OKAZAKI (UNIV. WIS.) TRANSMISSION FOR TOTAL - CYLINDRICAL SAMPLE WITH BIASED PROPORTIONAL COUNTER FOR DIFFERENTIAL ELASTIC	8-O -NAT	2.14-01 6.8-01	34 TOTAL
	8-O -NAT	4.10-01 4.93-01	18 ELASTIC D(A)
	8-O -16	4.42-01 4.42-01	3 RES.PARAM.
124 PHYS. REV. 99, 330 (1955) J.E.BROLLEY, JR., M.E.BUNKER, D.R.F.COCHRAN, R.L.HENKEL, J.P.MIZE, J.W.STARNER (LASL)	40-ZR-90	1.41+01 1.41+01	1 N,A
125 PHYS. REV. 99, 330 (1955) A.H.ARMSTRONG, J.E.BROLLEY, JR. (LASL)	40-ZR-NAT	1.41+01 1.41+01	1 N,P
127 PHYS. REV. 99, 1375 (1955) G.M.FRYE, JR., L.ROSEN, L.STEWART (LASL)	6-C -12	1.23+01 2.01+01	19 N,N'A
128 PHYS. REV. 99, 1446 (1955) J.M.FREEMAN (AERE) RING SCATTERER OF TEFLON OR CALCIUM FLOURIDE WITH NaI(TL) CRYSTAL AT THE CENTER OF THE RING	9-F -19	1.00-01 1.00+00	25 N,X0

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
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REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
129 PHYS. REV. 100, 69 (1955) J.S.MARION, R.M.BRUGGER (RICE) ACTIVATION, RESOLUTION VARIED FROM 30 TO 100 KEV.	9-F -19 9-F -19 9-F -19	4.60+00 7.98+00 3.09+00 7.94+00 3.40+00 5.90+00	18 N,P 88 N,A 8 RES.PARAM.
130 PHYS. REV. 100, 174 (1955) H.L.TAYLOR, O.LONSJO, T.W.BONNER (RICE) SPHERE TRANSMISSION - CORRECTED FOR MULTIPLE SCATTERING	4-BE-9 6-C -NAT 13-AL-27 22-TI-NAT 24-CR-NAT 26-FE-NAT 28-NI-NAT 29-CU-NAT 47-AG-NAT 50-SN-NAT 82-PB-NAT 83-BI-209	1.27+01 1.41+01 1.27+01 1.41+01 3.50+00 1.41+01 3.50+00 1.41+01 3.50+00 1.41+01 3.50+00 1.41+01 3.50+00 1.41+01 3.50+00 1.41+01 3.50+00 1.41+01 3.50+00 1.41+01 3.50+00 1.41+01 3.50+00 1.41+01	2 NONELAS 2 NONELAS 5 NONELAS 5 NONELAS 5 NONELAS 5 NONELAS 5 NONELAS 5 NONELAS 5 NONELAS 5 NONELAS 5 NONELAS 5 NONELAS
131 PHYS. REV. 100, 429 (1955) H.G.BLOSSER, C.D.GOODMAN, T.H.HANDLEY, M.L.RANDOLPH (ORNL)	30-ZN-68 40-ZR-90 40-ZR-94 49-IN-115	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	1 N,A 1 N,A 1 N,A 1 N,A
132 PHYS. REV. 100, 763 (1955) R.W.LAMPHERE, R.E.GREEN (ORNL) SEE ALSO REFERENCE 267 DOUBLE IONIZATION CHAMBER, RELATIVE TO U235 CROSS SECTION	92-U -236	6.90-01 4.05+00	79 N,FISS
133 PHYS. REV. 100, 972 (1955) M.MAZARI, F.ALBA, V.SERMONT (NAT. UNIV. MEXICO) TRANSMISSION. THERE IS ALSO A PRIVATE COMMUNICATION FROM M.MAZARI VIA BNL NNCSC REV. MEXICANA FIZ. 4, 52 (1955) ANALCS INST. FIZ. 1, 69 (1955) PHYS. REV. 97, 985 (1955) NORMALIZED TO 14.12 MEV VALUES OF COON ET AL. (PHYS.REV.88, 562(1952))	13-AL-27 26-FE-NAT 28-NI-NAT 29-CU-NAT 30-ZN-NAT 38-SR-NAT 40-ZR-NAT 47-AG-NAT 50-SN-NAT 80-HO-NAT 81-TL-NAT 82-PB-NAT 83-BI-209	1.30+01 1.62+01 1.30+01 1.62+01 1.30+01 1.62+01 1.30+01 1.62+01 1.30+01 1.62+01 1.62+01 1.62+01 1.62+01 1.62+01 1.30+01 1.62+01 1.30+01 1.62+01 1.30+01 1.62+01 1.50+01 1.62+01 1.30+01 1.62+01 1.30+01 1.62+01	7 TOTAL 7 TOTAL 7 TOTAL 7 TOTAL 7 TOTAL 1 TOTAL 1 TOTAL 10 TOTAL 7 TOTAL 7 TOTAL 2 TOTAL 10 TOTAL 7 TOTAL
134 PHYS. REV. 101, 247 (1956) J.B.MARION, R.M.BRUGGER, R.A.CHAPMAN (RICE) ACTIVATION	14-SI-28	4.40+00 8.09+00	39 N,P
135 PHYS. REV. 101, 103 (1956) J.J.VAN LOEF, D.A.LIND (U.WISCONSIN) DISC TARGET, NA1(TL) CRYSTAL SPECTROMETER	25-MN-55 53-I -127	2.00-01 1.20+00 1.40-01 2.40+00	9 N,XO 56 N,XG
136 PHYS. REV. 101, 294 (1956) J.B.GUERNSEY, C.GOODMAN (MIT)	40-ZR-NAT 40-ZR-NAT	6.83-01 1.21+00 9.98-01 1.59+00	170 TOTAL 167 N,XO
137 PHYS. REV. 101, 1516 (1956) J.B.GUERNSEY, A.WAYTENBERG (MIT)	25-MN-55	1.50-01 2.00+00	18 N,N'
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION

REF BIBLIOGRAPHY

137 DISK SCATTERER WITH THIN NaI(TL) CRYSTAL SPECTROMETER

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
53-I -127	1.20-01 1.20+00	27	N,N'
72-HF-NAT	3.30-01 1.88+00	20	N,N'
73-TA-181	2.70-01 1.82+00	19	N,N'
74-W -NAT	3.00-01 1.70+00	15	N,N'
75-RE-NAT	1.00-01 1.90+00	15	N,N'
78-PT-NAT	4.00-01 1.80+00	12	N,N'
79-AU-197	1.00-01 1.65+00	10	N,N'

138 PHYS. REV. 102, 228 (1956) R.R.PALMER, L.M.BOLLINGER (ANL)
 BNL-325 2ND ED. SUPPL.2 (1965)
 FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS.
 SEE ALSO REFERENCE 548 FOR CORRECTIONS TO RESONANCE
 PARAMETERS IN GA71. ENRICHED ISOTOPE, RESOLUTION VARIED FROM
 ABOUT 100 TO 350 NSEC/M.

31-GA-NAT	1.48-05 6.76-03	154	TOTAL
31-GA-69	1.12-04 7.10-04	12	RES.PARAM.
31-GA-71	9.50-05 7.07-04	14	RES.PARAM.
48-CD-NAT	1.1-03 2.00-03	2	TOTAL
48-CD-110	8.80-05 8.80-05	4	RES.PARAM.
48-CD-111	2.72-05 2.72-05	2	RES.PARAM.
51-SB-NAT	2.15-06 9.10-03	254	TOTAL
51-SB-121	6.25-06 1.28-04	10	RES.PARAM.
51-SB-123	2.16-05 1.90-04	5	RES.PARAM.
80-HO-NAT	1.61-05 7.40-03	91	TOTAL
80-HO-NAT	1.28-04 2.06-04	2	RES.PARAM.
80-HO-198	2.30-05 3.11-04	3	RES.PARAM.
80-HO-199	3.40-05 1.77-04	3	RES.PARAM.
80-HO-201	4.30-05 2.06-04	3	RES.PARAM.

139 PHYS. REV. 118, 687 (1960) J.L.ROSEN, J.S.DESJARDINS,
 L.J.RAINWATER, W.W.HAVENS,JR. (COLUMBIA U.)
 TIME OF FLIGHT MEASUREMENT. AREA ANALYSIS. WHEN
 NON-MEASURABLE, GAMMA-GAMMA WAS ASSUMED = 0.0246 EV WHICH
 WAS THE AVERAGE VALUE FOR 32 LEVELS. RESOLUTION WAS 5 TO
 10 NSEC/M.

92-U -238	0. 1.00-03	3	AV.RES.PARAM.
92-U -238	1.02-04 9.97-04	172	RES.PARAM.

140 PHYS. REV. 102, 767 (1956) R.B.DAY (LASL)
 RING SCATTERER, SCINTILLATION COUNTER, NaI CRYSTAL. DATA
 REPORTED IS ANGULAR DISTRIBUTION AT 95 DEGREES TIMES 4 PI.

5-B -10	2.56+00 2.56+00	1	N,XO
6-C -12	6.56+00 6.56+00	1	N,XO
7-N -NAT	3.95+00 3.95+00	1	N,XO
8-O -NAT	7.06+00 7.06+00	1	N,XO
9-F -19	2.56+00 2.56+00	6	N,XO
12-HO-NAT	2.56+00 2.56+00	3	N,XO
13-AL-27	2.56+00 2.56+00	4	N,XO
16-S -NAT	2.56+00 2.56+00	2	N,XO
20-CA-NAT	3.95+00 3.95+00	7	N,XO
26-FE-NAT	2.56+00 2.56+00	6	N,XO
28-NI-NAT	2.56+00 2.56+00	4	N,XO
29-CU-NAT	2.56+00 2.56+00	11	N,XO
73-TA-181	2.56+00 2.56+00	4	N,XO
82-PB-NAT	2.56+00 2.56+00	9	N,XO

141 PHYS. REV. 102, 1389 (1956) R.L.BECKER,
 H.H.BARSCHALL (UNIV. WIS.)
 TRANSMISSION. PURPOSE OF EXPERIMENT WAS TO TEST
 BE9(N,ALPHA,N) AND C13(ALPHA,N) REACTIONS AS NEUTRON SOURCES

3-LI-NAT	4.32+00 8.73+00	76	TOTAL
4-BE-9	4.35+00 8.73+00	96	TOTAL
5-B -NAT	4.35+00 8.63+00	86	TOTAL
5-B -10	4.35+00 8.64+00	84	TOTAL
6-C -NAT	4.38+00 8.59+00	96	TOTAL
7-N -NAT	4.37+00 8.58+00	93	TOTAL
8-O -NAT	4.36+00 8.58+00	110	TOTAL

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
142 PHYS. REV. 102, 1574 (1956) J.H.GIBBONE (DUKE U.)	26-FE-NAT	8.00-03 8.50-02	4	RES.PARAM.
	37-RB-NAT	4.60-03 5.07-03	9	TOTAL
	83-BI-209	2.00-04 7.64-02	120	TOTAL
	83-BI-209	1.00-03 7.00-02	7	RES.PARAM.
143 PHYS. REV. 102, 1580 (1956) H.W.NEWSOM, J.H.GIBBONS, H.MARSHAK, R.M.WILLIAMSON, R.C.MOBLEY, A.L.TOLLER, R.C.BLOCK (DUKE U.) PB DATA OBTAINED BY PRIVATE COMMUNICATION (1953) FROM NNCSC AND IS ASCRIBED TO THIS REFERENCE IN BNL-325 (1958)	34-SE-NAT	8.00-04 7.98-02	100	TOTAL
	38-SR-NAT	7.25-03 1.04-01	73	TOTAL
	40-ZR-NAT	4.20-03 8.00-02	69	TOTAL
	42-MO-NAT	2.00-03 7.95-02	68	TOTAL
	56-BA-NAT	1.95-02 1.01-01	57	TOTAL
	58-CE-NAT	5.00-03 5.60-02	59	TOTAL
	82-PB-NAT	1.2-02 8.07-02	104	TOTAL
144 PHYS. REV. 103, 328 (1956) G.M.FRYE, JR., J.H.GAMMEL (LASL) NUCLEAR EMULSION	5-B -10	1.22+01 1.95+01	5	N,N'D
	5-B -10	5.60+00 1.95+01	7	N,T
145 PHYS. REV. 103, 335 (1956) A.H.ARMSTRONG, G.M.FRYE, JR. (LASL) NUCLEAR EMULSIONS	5-B -11	1.26+01 2.00+01	9	N,A
146 PHYS. REV. 103, 720 (1956) C.O.MUEHLHAUSE, S.D.BLOOM, H.E.MEGNER, G.N.GLASOE (BNL) TIME OF FLIGHT. NO MULTIPLE SCATTERING CORRECTIONS MADE	6-C -NAT	1.66+00 1.66+00	20	ELASTIC D(A)
	26-FE-NAT	1.58+00 1.66+00	2	TOTAL
	26-FE-NAT	1.48+00 1.66+00	3	ELASTIC
	26-FE-NAT	1.48+00 1.66+00	54	ELASTIC D(A)
	26-FE-NAT	1.58+00 1.66+00	22	N,N' D(A)
	23 FE-NAT	1.66+00 1.66+00	11	N,N' D(A)
	26-FE-NAT	1.66+00 1.66+00	11	N,XG D(A)
147 PHYS. REV. 103, 741 (1956) F.L.RIBE (LASL) PROPORTIONAL COUNTER. VALUES REPORTED IN PAPER WERE IN ERROR, LATER CORRECTED BY AUTHOR IN PRIVATE COMMUNICATION	3-LI-6	8.80-01 1.41+01	8	N,A
148 PHYS. REV. 104, 479 (1956) M.L.YEATER, W.R.MILLS, JR., E.R.GARTNER (KAPL) DATA OBTAINED FROM BNL SIGMA CENTER. RESONANCE PARAMETERS FROM AREA ANALYSIS. AERE-NP/R-2076 (REV.) P.10 (1957) PROCEEDINGS OF THE TRIPARTITE CONF. ON CROSS SECTIONS OF FISSIONABLE NUCLEI	92-U -235	5.32-06 1.97-03	447	N,FISS
	92-U -235	8.80-06 1.93-05	4	RES.PARAM.
149 PHYS. REV. 104, 731 (1956) R.C.ALLEN, R.B.WALTON, R.B.PERKINS, R.A.OLSON, R.F.TASCHEK (LASL) NUCLEAR SCIENCE AND ENGINEERING 2, 787 (1957) BIASED RECOIL COUNTER. CORRECTED FOR MULTIPLE SCATTERING. SOME INELASTIC SCATTERING PROBABLY INCLUDED. WE HAVE TAKEN NU PROMPT FOR 1235 AS 2.485 AND 2.535 AT 0.5 AND 1.0 MEV, RESPECTIVELY	79-AU-197	5.00-01 5.00-01	1	ELASTIC
	79-AU-197	5.00-01 5.00-01	1	NONELAS
	79-AU-197	5.00-01 5.00-01	9	ELASTIC D(A)
	83-BI-209	5.00-01 5.00-01	1	NONELAS
	93-BI-209	5.00-01 5.00-01	1	SCATTER
	83-BI-209	5.00-01 5.00-01	9	ELASTIC D(A)
	92-U -235	5.00-01 1.00+00	2	ELASTIC
	92-U -235	5.00-01 1.00+00	2	NONELAS
	92-U -238	5.00-01 1.00+00	2	SCATTER
	94-PU-239	5.00-01 1.00+00	2	ELASTIC
	94-PU-239	5.00-01 1.00+00	2	NONELAS
	94-PU-239	5.00-01 1.00+00	2	NU-PRMT
	94-PU-239	5.00-01 1.00+00	2	NU-PRMT C/S RATIO

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

150 PHYS. REV. 104, 1025 (1956) H.S.ZUCKER (U. WISCONSIN)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
32-GE-NAT	6.00-02 5.25-01	13	TOTAL
33-AS-75	5.80-02 2.93+00	52	TOTAL
34-SE-NAT	1.20-01 6.25-01	12	TOTAL
35-BR-NAT	5.80-02 3.03+00	54	TOTAL

151 PHYS. REV. 104, 1319 (1956) J.R.BEYSTER, M.WALT, E.W.SALMI (LASL)
MULTIPLE SCATTERING CORRECTIONS MADE FOR DIFFERENTIAL ELASTIC NON-ELASTIC MEASURED BY SPHERE TRANSMISSION

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
4-BE-9	5.60+00 5.60+00	1	NONELAS
4-BE-9	7.00+00 7.00+00	7	ELASTIC D(A)
6-C -NAT	2.50+00 7.00+00	2	NONELAS
6-C -NAT	7.00+00 7.00+00	7	ELASTIC D(A)
13-AL-27	1.77+00 7.00+00	5	NONELAS
13-AL-27	2.50+00 7.00+00	22	ELASTIC D(A)
16-S -NAT	7.00+00 7.00+00	1	NONELAS
20-CA-NAT	7.00+00 7.00+00	1	NONELAS
22-TI-NAT	1.00+00 7.00+00	5	NONELAS
26-FE-NAT	1.00+00 7.00+00	5	NONELAS
28-NI -NAT	1.00+00 7.00+00	3	NONELAS
29-CU-NAT	2.50+00 7.00+00	2	NONELAS
30-ZN-NAT	2.50+00 7.00+00	2	NONELAS
40-ZR-NAT	1.00+00 7.00+00	5	NONELAS
40-ZR-NAT	2.50+00 7.00+00	29	ELASTIC D(A)
47-AG-NAT	1.00+00 7.00+00	3	NONELAS
48-CD-NAT	1.00+00 7.00+00	5	NONELAS
50-SN-NAT	1.77+00 7.00+00	4	NONELAS
50-SN-NAT	2.50+00 7.00+00	28	ELASTIC D(A)
73-TA-NAT	2.50+00 7.00+00	25	ELASTIC D(A)
73-TA-181	2.50+00 7.00+00	2	NONELAS
74-W -NAT	1.00+00 7.00+00	3	NONELAS
79-AU-197	1.00+00 7.00+00	5	NONELAS
82-PB-NAT	7.00+00 7.00+00	1	NONELAS
83-BI-209	1.77+00 4.70+00	4	NONELAS
83-BI-209	2.50+00 7.00+00	31	ELASTIC D(A)
92-U -NAT	1.00+00 2.50+00	2	NONELAS
92-U -235	1.00+00 2.50+00	2	NONELAS

152 PHYS. REV. 104, 1654 (1956) R.W.LAMPHERE (ORNL)
SEE REFERENCE 268 FOR DETAILED DATA OF U238, U233 RENORMALIZED TO U235 RESULTS IN BNL-325 (1965)

92-U -233 1.30-02 3.05+00 61 N.FISS

153 PHYS. REV. 105, 193 (1957) R.O.BONDELID, K.L.DUNNING, F.L.TALBOTT (NRL)
TRANSMISSION - INSCATTERING CORRECTION MADE
NP-6142 (1956)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
4-BE-9	3.78+00 8.00+00	40	TOTAL
6-C -NAT	3.78+00 8.09+00	41	TOTAL
9-F -19	3.78+00 8.09+00	41	TOTAL
27-CO-59	3.78+00 8.09+00	41	TOTAL
32-GE-NAT	3.78+00 8.09+00	41	TOTAL

154 PHYS. REV. 105, 198 (1957) H.W.NEWSOM, J.H.GIBBONS, H.MARSHAK, R.M.WILLIAMSON, R.C.MOBLEY, J.R.PATTERSON, P.F.NICHOLS (DUKE)
TRANSMISSION

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
17-CL-NAT	7.00-03 1.93-01	67	TOTAL
21-SC-45	5.50-03 1.40-02	11	TOTAL
29-CU-NAT	1.70-03 5.20-02	110	TOTAL
31-GA-NAT	4.30-03 5.40-02	47	TOTAL
37-RB-NAT	4.75-03 2.48-02	51	TOTAL
39-Y -89	1.02-02 7.42-02	107	TOTAL
41-NB-93	4.50-04 1.02-02	30	TOTAL

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

154

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
157-AG-NAT	2.35-03 1.10-02	21	TOTAL
57-LA-139	1.00-03 1.00-02	31	TOTAL
73-TA-NAT	1.10-03 5.00-03	17	TOTAL
81-TL-NAT	1.14-02 8.10-02	111	TOTAL

155 PHYS. REV. 105, 1350 (1957) B.C.DIVEN (LASL)

LA-1336 (1953)

THIS DATA IS FURTHERMORE REPORTED IN REFERENCE 18
 IONIZATION CHAMBER NORMALIZED TO U235 SIGMA FISSION = 1.27 +/-
 .044 BARNS AT 1.27 MEV, WHICH WAS MEASURED RELATIVE TO H

92-U -235 4.03-01 1.62+00 14 N,FISS

156 PHYS. REV. 105, 1796 (1957) R.C.ALLEN (LASL)

MEASURED PROTON RECOIL PULSE HEIGHT DISTRIBUTION FROM U238
 SHELL AROUND DETECTOR. SEE ALSO REFERENCE 8

92-U -238	1.5-01 5.00-01	3	NONELAS
92-U -238	1.50-01 5.00-01	3	N,N'
92-U -238	1.50-01 5.00-01	5	N,N'

157 PHYS. REV. 106, 110 (1957) H.MARSHAK, H.W.NEWSOM (DUKE U.)
 ENERGY ERROR IS 0.25 KEV BELOW 25 KEV, AND 1 PERCENT ABOVE
 25 KEV.

21-SC-45	3.00-03 1.05-01	56	TOTAL
21-SC-45	4.10-03 4.10-03	1	RES.PARAM.
23-V -NAT	1.50-03 9.90-02	53	TOTAL
23-V -51	4.10-03 8.71-02	5	RES.PARAM.
25-MN-55	1.00-03 1.00-01	62	TOTAL
25-MN-55	2.36-03 3.51-02	8	RES.PARAM.
27-CO-59	1.50-03 1.00-01	139	TOTAL
27-CO-59	4.70-03 2.83-02	3	RES.PARAM.
29-CU-63	1.00-03 9.70-02	92	TOTAL
29-CU-65	1.00-03 9.70-02	97	TOTAL

158 PHYS. REV. 106, 965 (1957) R.A.PECK, JR. (BROWN UNIV.)

79-AU-197	1.41+01 1.41+01	1	N,P
79-AU-197	1.40+01 1.40+01	7	N,P D(A)

159 PHYS. REV. 106, 971 (1957) R.K.HALING, R.A.PECK, JR.,
 H.P.EUBANK (BROWN UNIV.)

13-AL-27	1.41+01 1.41+01	1	N,P
13-AL-27	1.41+01 1.41+01	5	N,P E1-E2,D(A)

160 PHYS. REV. 106, 1252 (1957) P.H.STELSON, E.C.CAMPBELL (ORNL)
 ACTIVATION

4-BE-9 7.40-01 4.41+00 53 N,A

161 PHYS. REV. 107, 155 (1957) M.A.ROTHMAN, D.M.VAN PATTEN,
 V.S.DUBEY, W.C.PORTER, C.E.MANDEVILLE (BARTOL)
 RECTANGULAR PARALLELOPIPED SCATTERER WITH NaI(TL) CRYSTAL
 SPECTROMETER

41-NB-93	7.79-01 1.94+00	32	N,X0
45-RH-103	3.08-01 1.10+00	30	N,X0

162 PHYS. REV. 107, 824 (1957) L.ROSEN, L.STEWART (LASL)
 NUCLEAR EMULSIONS - CORRECTED FOR LOW ENERGY PRIMARY
 NEUTRONS, SPURIOUS TRACKS, MULTIPLE SCATTERING

4-BE-9	1.40+01 1.40+01	1	N,N'
4-BE-9	1.40+01 1.40+01	1	N,2N
73-TA-NAT	1.40+01 1.40+01	8	ELASTIC D(A)
73-TA-NAT	1.40+01 1.40+01	18	NONELAS E1-E2,D(A)
73-TA-NAT	1.40+01 1.40+01	18	N,N'EMS E1-E2,D(A)
73-TA-181	1.40+01 1.40+01	1	NONELAS
73-TA-181	1.40+01 1.40+01	1	N,N'
73-TA-181	1.40+01 1.40+01	1	N,2N
83-BI-209	1.40+01 1.40+01	1	N,N'
83-BI-209	1.40+01 1.40+01	1	N,2N
83-BI-209	1.40+01 1.40+01	4	ELASTIC D(A)
83-BI-209	1.40+01 1.40+01	20	NONELAS E1-E2,D(A)

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
162	83-B1-209	1.40+01 1.40+01	20	N,N'EMS E1-E2,0(A)
163 PHYS. REV. 107, 1363 (1957) L.ALLEN, JR., W.A.BIGGERS, R.J.PRESTWOOD, R.K.SMITH (LASL) ACTIVATION	16-S -32 16-S -34	1.59+00 1.48+01 4.82+00 1.41+01	32 N,P 12 N,A	
164 PROC. AMSTERDAM CONF. ON NUCLEAR REACTIONS, 1135 (1956) G.C.MORRISON	26-FE-NAT 29-CU-NAT 48-CD-NAT 82-PB-NAT	1.20+00 2.00+00 1.20+00 2.00+00 1.20+00 2.00+00 1.20+00 2.00+00	3 NONELAS 3 NONELAS 3 NONELAS 3 NONELAS	
165 ANL-4277 (1949) PHYSICS DIVISION QUARTERLY REPORT, ARGONNE NATIONAL LABORATORY	36-KR-86 37-RB-87 38-SR-88 39-Y -89	1.1+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00	1 N,G 1 N,G 1 N,G 1 N,G	
166 J. INORG. NUCLEAR CHEM. 2, 205 (1956) F.BROWN, G.R.HALL (AERE) MEASURED ALPHA PARTICLES FROM DECAY OF Pu238. RELATIVE TO A 2200 M/SEC CROSS SECTION OF 98 BARN FOR Au197. NP CROSS SECTION ASSUMED TO HAVE SAME ENERGY DEPENDENCE AS THE Au197 CROSS SECTION	93-NP-237	2.53-08 2.53-08	1	N,G
168 BULL. AM. PHYS. SOC. 1, 62 (1956) H.W.LEFEVRE, E.M.KINDERMAN, H.H.VAN TUYL (HANFORD) ACTIVATION ANALYSIS	93-NP-239 93-NP-239	2.50-08 2.50-08 2.50-08 2.50-08	1 N,G 1 N,G	SPECT.AV. SPECT.AV.
169 NUCLEAR PHYS. 47, 137 (1963) K.K.SETH, E.G.BILPUCH, H.W.NEWMAN (DUKE) DATA TABLES PRIVATE COMMUNICATION TO BNL SIGMA CENTER (1/65) TRANSMISSION	6-C -NAT	3.00-03 6.60-01	683	TOTAL
170 PHYS. REV. 59, 317 (1941) W.E.GOOD, G.SCHARFF-GOLDBABER (U.ILLINOIS) IONIZATION CHAMBER	1-H -1 4-BE-9 6-C -NAT 13-AL-27 29-CU-NAT 82-PB-NAT 92-U -NAT	9.00-01 9.00-01 9.00-01 9.00-01 9.00-01 9.00-01 9.00-01 9.00-01 9.00-01 9.00-01 9.00-01 9.00-01 9.00-01 9.00-01	1 1 1 1 1 1 1	TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL
171 PHYS. REV. 70, 101 (1946) E.R.GRAVES, J.H.COON (LASL)	18-AR-NAT	2.50+00 2.50+00	1	N,A
172 PHYS. REV. 70, 245 (1946) H.H.BARSCHALL, M.E.BATTAT (LASL)	7-N -14	5.50-01 1.45+00	3	RES.PARAM.
173 PHYS. REV. 73, 733 (1948) L.J.RAINWATER, W.H.HAVENS, JR., J.R.DUNNING, C.S.WU (COL. UNIV.) SLOW NEUTRON VELOCITY SPECTROMETER	020 12-MG-NAT 14-SI-NAT 16-S -NAT	1.10-08 8.00-06 2.35-08 6.50-05 1.35-08 2.20-04 2.40-08 2.45-04	37 43 58 44	TOTAL TOTAL TOTAL TOTAL
174 PHYS. REV. 70, 583 (1946) C.L.BAILEY, W.E.BENNETT, T.BERGSTRALH, R.G.NUCKOLLS, H.T.RICHARDS, J.H.WILLIAMS (UNIV. MINNESOTA)	1-H -1 6-C -NAT	7.20-01 6.00+00 1.60+00 2.00+00	7 2	TOTAL TOTAL

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
175 PHYS. REV. 70, 589 (1946) D.H.FRISCH (LASL)	1-H -1 6-C -NAT	3.50-02 4.90-01 3.50-01 9.50-02	3 TOTAL 2 TOTAL
176 PHYS. REV. 70, 805 (1946) R.G. NUCKOLLS, C.L. BAILEY, W.E. BENNETT, T. BERGSTRALH, H.T. RICHARDS, J.H. WILLIAMS (UNIV. MINN.) TRANSMISSION OF D2O AND H2O - VALUE FOR O AND D TOTAL CROSS-SECTION DEDUCED ASSUMING HYDROGEN TOTAL CROSS-SECTION KNOWN	1-H -2 H2O D2O 8-O -NAT	3.50-01 6.50-00 3.50-01 6.00+00 3.50-01 6.00+00 3.50-01 6.00+00	15 TOTAL 15 TOTAL 15 TOTAL 15 TOTAL
177 LA-190 (1944) B.D. MC DANIEL (LASL) RELATIVE TO BORON. DATA TAKEN FROM BNL-325 (1958)	92-U -233	2.18-08 4.65-07	13 N.FISS
178 PRIVATE COMMUNICATION (1954) P.A. EGELSTAFF (AERE) VIA BNL SIGMA CENTER	42-MO-NAT 79-AU-197 90-TH-232 92-U -NAT	1.18-09 5.67-09 1.42-09 1.43-07 1.90-09 2.50-06 1.00-09 1.21-07	21 TOTAL 76 TOTAL 52 TOTAL 103 TOTAL
179 PHYS. REV. 72, 88 (1947) E.D. KLEMA (LASL)	93-NP-237	2.50-01 3.00+00	16 N.FISS
180 ANL-4983 (1952) L.M. BOLLINGER (ANL) FAST CHOPPER. DATA TAKEN FROM BNL-325 (1958)	92-U -NAT	1.05-06 3.82-06	17 TOTAL
181 PHYS. REV. 72, 207 (1947) H. SLEATOR, JR. (U. MICHIGAN)	1-H -1	6.50+00 6.50+00	1 TOTAL
182 PHYS. REV. 73, 106 (1948) E.D. KLEMA, A.D. HANSON (LASL)	16-F -32	1.63+00 5.80+00	9 N,P
183 PHYS. REV. 76, 188 (1949) E.E. LAMP, G. FRIER, J.H. WILLIAMS (UNIV. MINNESOTA)	1-H -1	7.98-01 1.57+00	4 TOTAL
184 PRIVATE COMMUNICATION (1953) C.T. HIBDON (ANL) VIA BNL SIGMA CENTER	92-U -NAT	6.70-04 1.55-01	135 TOTAL
185 PHYS. REV. 77, 748 (1950) S. BASHKIN, B. PETREE, F.P. MOORING, R.E. PETERSON (UNIV. WISCONSIN)	1-H -1 22-Tl-NAT 74-W -NAT	1.00+00 1.00+00 8.30-02 1.40+00 3.50-02 1.33+00	1 TOTAL 17 TOTAL 17 TOTAL
186 PHYS. REV. 78, 806 (1950) D.W. MILLER (UNIV. WISCONSIN)	6-C -NAT	2.00-02 2.00-02	1 TOTAL
187 PHYS. REV. 80, 488 (1950) J.H. COON (LASL) COUNTED DISINTEGRATIONS WITH HE3 FILLED PROPORTIONAL COUNTER	2-HE-3	3.94-01 3.00+00	16 N,P
188 NUCLEAR PHYS. 63, 641 (1965) V. EMMA, S. LONIGRO, C. MILONE, R. RICAMO (ITALY) NUCLEAR PLATES, ZNS DETECTOR AND A BARRIER DETECTOR. WE HAVE NORMALIZED THE CROSS SECTION TO 0.56 BARNS AT 2.25 MEV (SEE REFERENCE 1090)	92-U -238 92-U -238	1.70+00 4.58+00 1.70+00 4.58+00	53 N.FISS 59 N.FISS
189 PHYS. REV. 73, 963 (1948) W.W. HAVENS, JR., L.J. RAINWATER, C.S. WU, J.R. DUNNING (COLUMBIA)	50-SN-NAT	1.00-03 1.00-02	3 TOTAL

RCF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
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REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
190 PHYS. REV. 166, 1178 (1968) D.W.BERGEN, M.G.SILBERT (LASL) SINGLE LEVEL RESONANCE PARAMETERS TABULATED HERE WITH GAMMA- GAMMA = 0.045 EV. THESE WILL REPRODUCE THE FISSION CROSS SECTION. MULTILEVEL PARAMETERS ARE ALSO LISTED IN THE REFER- ENCE. ALPHA DATA OBTAINED BY PRIVATE COMMUNICATION FROM THE AUTHOR. SEE ALSO REFERENCE 1081 FOR THE FISSION CROSS SECTION. NEUTRON WIDTHS MULTIPLIED BY 0.69 AS PER FOOTNOTE IN REFERENCE. SEE ALSO LA-3676-MS (1967) D.W.BERGEN (LASL)	92-U -233 92-U -233 92-U -233	2.96-04 6.49-04 2.00-05 6.00-05 2.05-05 6.27-05	375 2 136	ALPHA AV.RES.PARAM. RES.PARAM.
191 J. NUCLEAR ENERGY 1, 234 (1955) V.S.CROCKER (AERE) IRRADIATION IN THERMAL COLUMN. COUNTED DECAY BETAS. CORRECTED RESULTS TO 2200 M/SEC RELATIVE TO AVIN(GAMMA) C/S = 98.6 B.	90-TM-232 90-TM-232 92-U -238 92-U -238	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 1 1 1	N.O N.O N.O N.O C/S RATIO C/S RATIO
192 TRANS. AM. NUCLEAR SOC. 10, 231 (1967) W.N.FOX, G.H.KINCHIN, J.G.SANDERS (WINFRIETH) REACTION RATE MEASUREMENTS IN A ZERO POWER REACTOR	92-U -235	5.00-07 1.50+01	1	ALPHA RES.INT.
193 NUCLEAR SCIENCE AND ENGINEERING 32, 265 (1968) N.P.BAUMANN, J.D.HALFORD, D.J.PELLARIN (SRL) BOTH ABSOLUTE U237 ACTIVITY TO THAT OF AU(191)=1550 BARNS ABOVE 0.5 EV) AND CD RATIOS (U236 THERMAL C/S = 6 +/- 1 BARN). RESONANCE PARAMETERS DETERMINED BY FIT TO THE SELF-SHIELDED MEASUREMENTS. SEE ALSO TRANS. AM. NUCLEAR SOC. 10, 264 (1967)	92-U -236 92-U -236	5.00-07 1.50+01 5.48-08 5.48-08	2 2	N.O RES.INT. RES.PARAM.
194 PHYS. REV. 53, 681 (1941) I.NONAKA (JAPAN)	13-AL-27 14-SI-NAT 26-FE-NAT 29-CU-NAT 47-AG-NAT 48-CD-NAT 92-PB-NAT	2.25+00 2.90+00 2.25+00 2.90+00 2.25+00 2.90+00 2.25+00 2.90+00 2.25+00 2.90+00 2.25+00 2.90+00 2.25+00 2.90+00	7 7 7 7 7 7 7	N,XO N,XO N,XO N,XO N,XO N,XO N,XO
195 NUCLEAR SCIENCE AND ENGINEERING 31, 149 (1968) W.R.CORNMAN, F.J.HENNELLY, C.J.BANICK (SRL) ACTIVATION ANALYSIS. 2200 M/SEC VALUE OBTAINED BY ASSUMING SAME C/S ENERGY DEPENDENCE AS FOR NP237. SEE ALSO TRANS. AM. NUCLEAR SOC. 10, 230 (1967) W.R.CORNMAN, F.J.HENNELLY, C.J.BANICK (SRL)	92-U -237 92-U -237	2.53-08 2.53-08 2.50-08 2.50-08	1 1	ABSORP ABSORP SPECT.AV.
196 NUCLEAR PHYS. 97, 444 (1967) G.N.FLEROV, A.A.PLEVE, S.M.POLIKANOV, S.P.TRETYAKOVA, N.MARTALOGU, D.PONARU, M.SEZON, I.VILCOV, N.VILCOV (OUBNA, USSR) FISSION FRAGMENT DETECTION. THE EXCITATION ENERGY OF THE SPONTANEOUSLY FISSIONING STATE OF AM242 WAS FOUND TO BE 2.9 +/- 0.4 MEV	95-AM-243	8.00+00 1.44+01	11	N,2N
197 PHYS. REV. 69, 414 (1946) R.N.LITTLE, JR., R.W.LONG, C.E.MANDEVILLE (RICE)	12-MG-NAT	2.50+00 2.50+00	1	SCATTER

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

198 ATOMNAYA ENERGIYA 2, 10 (1957) G.A.DOROFEEV, YU.P.OOBRYNIN
J. NUCLEAR ENERGY 5, 217 (1957)
SOVIET J. ATOMIC ENERGY 2, 9 (1957)
SPHERICAL IONIZATION CHAMBER. CORRECTED FOR MULTIPLE
SCATTERING

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
92-U -233	3.00-02 5.00+00	5	N.F.ISS SPECT.AV.
92-U -235	3.00-02 5.00+00	5	N.F.ISS SPECT.AV.
94-PU-239	3.00-02 5.00+00	5	N.F.ISS SPECT.AV.
94-PJ-240	3.00-02 5.00+00	4	N.F.ISS SPECT.AV.

199 ATOMNAYA ENERGIYA 2, 68 (1957) V.I.STRIZHAK (USSR)
SPHERE TRANSMISSION

12-MG-NAT	1.41+01	1.41+01	1	NONE LAS
13-AL-27	1.41+01	1.41+01	1	NONE LAS
16-S-NAT	1.41+01	1.41+01	1	NONE LAS
26-FE-NAT	1.41+01	1.41+01	1	NONE LAS
28-NI-NAT	1.41+01	1.41+01	1	NONE LAS
34-SE-NAT	1.41+01	1.41+01	1	NONE LAS
40-CO-NAT	1.41+01	1.41+01	1	NONE LAS
51-SB-NAT	1.41+01	1.41+01	1	NONE LAS
52-TE-NAT	1.41+01	1.41+01	1	NONE LAS
53-I-127	1.41+01	1.41+01	1	NONE LAS
56-Ba-NAT	1.41+01	1.41+01	1	NONE LAS
74-M-NAT	1.41+01	1.41+01	1	NONE LAS
80-HG-NAT	1.41+01	1.41+01	1	NONE LAS
83-BI-209	1.41+01	1.41+01	1	NONE LAS

200 ATOMNAYA ENERGIYA 1, 155 (1956) N.N.FLEROV,
V.M.TALYZIN (USSR)
SPHERE TRANSMISSION. NO MULTIPLE SCATTERING CORRECTION MADE

4-BE-9	1.45+01	1.45+01	1	NONELAS
5-B -NAT	1.45+01	1.45+01	1	NONELAS
6-C -NAT	1.45+01	1.45+01	1	NONELAS
7-N -NAT	1.45+01	1.45+01	2	NONELAS
8-O -NAT	1.45+01	1.45+01	1	NONELAS
12-MO-NAT	1.45+01	1.45+01	1	NONELAS
13-AL-27	1.45+01	1.45+01	1	NONELAS
14-SI-NAT	1.45+01	1.45+01	1	NONELAS
15-P -31	1.45+01	1.45+01	1	NONELAS
16-S -NAT	1.45+01	1.45+01	1	NONELAS
20-CA-NAT	1.45+01	1.45+01	1	NONELAS
26-FE-NAT	1.45+01	1.45+01	1	NONELAS
29-CU-NAT	1.45+01	1.45+01	1	NONELAS
30-ZN-NAT	1.45+01	1.45+01	1	NONELAS
34-SE-NAT	1.45+01	1.45+01	1	NONELAS
48-CD-NAT	1.45+01	1.45+01	1	NONELAS
50-SB-NAT	1.45+01	1.45+01	1	NONELAS
52-W-NAT	1.45+01	1.45+01	1	NONELAS
53-127	1.45+01	1.45+01	1	NONELAS
74-H -NAT	1.45+01	1.45+01	1	NONELAS
80-HO-NAT	1.45+01	1.45+01	1	NONELAS
82-PB-NAT	1.45+01	1.45+01	1	NONELAS
83-RI-209	1.45+01	1.45+01	1	NONELAS

201 ATOMNAYA ENERGIYA 1, 55 (1956) I.A.RADKEVICH,
V.V.VLADIMIRSKI, V.V.SOKOLOVSKY
SOVIET J. ATOMIC ENERGY 1, 727 (1956)
TIME OF FLIGHT METHOD. AREA ANALYSIS, EXCEPT AS NOTED,
GAMMA-GAMMA TAKEN AS 0.025 EV FOR TH-232, 0.030 EV FOR U-238.
BNL-325 2ND ED. SUPPL.2 (1965)
FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS.

42-MO-NAT	1.89-04	8.42-04	6 RES.PARAM.
42-MO-95	4.50-05	3.50-04	5 RES.PARAM.
42-MO-96	1.34-04	1.34-04	3 RES.PARAM.
42-MO-97	7.19-05	7.19-05	3 RES.PARAM.
46-PD-NAT	1.48-04	8.91-04	4 RES.PARAM.
46-PD-105	1.16-05	3.55-04	8 RES.PARAM.
46-PD-108	3.25-05	8.95-05	3 RES.PARAM.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1	0.000-0.005	1	0.000-0.005
2	0.005-0.010	1	0.005-0.010
3	0.010-0.015	1	0.010-0.015
4	0.015-0.020	1	0.015-0.020
5	0.020-0.025	1	0.020-0.025
6	0.025-0.030	1	0.025-0.030
7	0.030-0.035	1	0.030-0.035
8	0.035-0.040	1	0.035-0.040
9	0.040-0.045	1	0.040-0.045
10	0.045-0.050	1	0.045-0.050
11	0.050-0.055	1	0.050-0.055
12	0.055-0.060	1	0.055-0.060
13	0.060-0.065	1	0.060-0.065
14	0.065-0.070	1	0.065-0.070
15	0.070-0.075	1	0.070-0.075
16	0.075-0.080	1	0.075-0.080
17	0.080-0.085	1	0.080-0.085
18	0.085-0.090	1	0.085-0.090
19	0.090-0.095	1	0.090-0.095
20	0.095-0.100	1	0.095-0.100
21	0.100-0.105	1	0.100-0.105
22	0.105-0.110	1	0.105-0.110
23	0.110-0.115	1	0.110-0.115
24	0.115-0.120	1	0.115-0.120
25	0.120-0.125	1	0.120-0.125
26	0.125-0.130	1	0.125-0.130
27	0.130-0.135	1	0.130-0.135
28	0.135-0.140	1	0.135-0.140
29	0.140-0.145	1	0.140-0.145
30	0.145-0.150	1	0.145-0.150
31	0.150-0.155	1	0.150-0.155
32	0.155-0.160	1	0.155-0.160
33	0.160-0.165	1	0.160-0.165
34	0.165-0.170	1	0.165-0.170
35	0.170-0.175	1	0.170-0.175
36	0.175-0.180	1	0.175-0.180
37	0.180-0.185	1	0.180-0.185
38	0.185-0.190	1	0.185-0.190
39	0.190-0.195	1	0.190-0.195
40	0.195-0.200	1	0.195-0.200
41	0.200-0.205	1	0.200-0.205
42	0.205-0.210	1	0.205-0.210
43	0.210-0.215	1	0.210-0.215
44	0.215-0.220	1	0.215-0.220
45	0.220-0.225	1	0.220-0.225
46	0.225-0.230	1	0.225-0.230
47	0.230-0.235	1	0.230-0.235
48	0.235-0.240	1	0.235-0.240
49	0.240-0.245	1	0.240-0.245
50	0.245-0.250	1	0.245-0.250
51	0.250-0.255	1	0.250-0.255
52	0.255-0.260	1	0.255-0.260
53	0.260-0.265	1	0.260-0.265
54	0.265-0.270	1	0.265-0.270
55	0.270-0.275	1	0.270-0.275
56	0.275-0.280	1	0.275-0.280
57	0.280-0.285	1	0.280-0.285
58	0.285-0.290	1	0.285-0.290
59	0.290-0.295	1	0.290-0.295
60	0.295-0.300	1	0.295-0.300
61	0.300-0.305	1	0.300-0.305
62	0.305-0.310	1	0.305-0.310
63	0.310-0.315	1	0.310-0.315
64	0.315-0.320	1	0.315-0.320
65	0.320-0.325	1	0.320-0.325
66	0.325-0.330	1	0.325-0.330
67	0.330-0.335	1	0.330-0.335
68	0.335-0.340	1	0.335-0.340
69	0.340-0.345	1	0.340-0.345
70	0.345-0.350	1	0.345-0.350
71	0.350-0.355	1	0.350-0.355
72	0.355-0.360	1	0.355-0.360
73	0.36		

REF BIBLIOGRAPHY

201 RESOLUTION WAS 80 NSEC/M.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
49-IN-113	1.46-05 7.00-05	11	RES.PARAM.
49-IN-115	9.00-06 1.29-04	19	RES.PARAM.
53-I -127	2.05-05 9.20-05	21	RES.PARAM.
73-TA-181	1.02-05 1.97-04	26	RES.PARAM.
76-OS-NAT	6.73-06 8.99-05	38	RES.PARAM.
76-OS-187	1.26-05 4.12-05	2	RES.PARAM.
76-OS-189	6.73-06 6.31-05	13	RES.PARAM.
77-IR-NAT	5.36-06 9.35-05	39	RES.PARAM.
77-IR-191	6.50-07 6.12-05	17	RES.PARAM.
77-IR-193	1.35-06 4.17-05	4	RES.PARAM.
90-TH-232	2.20-05 2.95-04	2	AV.RES.PARAM.
90-TH-232	2.20-05 3.50-04	50	RES.PARAM.
92-U -238	0. 3.00-04	3	AV.RES.PARAM.
92-U -238	6.69-06 4.05-04	54	RES.PARAM.

202 J. FRANKLIN INST. 260, 238 (1955) G.W.MC CLURE, D.W.KENT, JR.

26-FE-NAT	1.40+01 1.40+01	2	N,X0
26-FE-56	1.40+01 1.40+01	1	N,P

203 PHYS. REV. 155, 1362 (1967) M.R.BHAT, R.E.CHRIEN (BNL)
SINGLE LEVEL AREA ANALYSIS USING TRANSMISSION MEASUREMENTS.
NOMINAL RESOLUTION OF 50 NSEC/M.

90-TH-232	2.17-05 6.91-05	12	RES.PARAM.
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204 ZHETF PIS'MA RED. 5, 131 (1967) G.V.GORLOV, N.S.LEBEDEVA,
V.M.MOROZOV (USSR)
TRANSLATED IN
JETP LETTERS 5, 106 (1967)
POLARIZED NEUTRON SOURCE. SEE ALSO
PHYS. LETTERS 25, 197 (1967)
YAD. FIZ. 8, 1086 (1968)

92-U -NAT	4.00+00 4.00+00	8	ELASTIC D(A)
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205 PHYS. REV. 80, 469 (1950) Y.GDA, J.SANADA, S.YAMABE
(OSAKA UNIV., JAPAN)

1-H -1	3.10+00 3.10+00	1	TOTAL
1-H -1	3.10+00 3.10+00	3	ELASTIC D(A)

206 PHYS. REV. 85, 703 (1951) H.L.POSS, E.O.SALANT, L.C.L.YUAN
(BROOKHAVEN NATIONAL LABORATORY)

1-H -1	1.40+01 1.40+01	1	TOTAL
6-C -NAT	1.40+01 1.40+01	1	TOTAL

207 P.R.S. REV. 88, 686 (1952) L.S.GOODMAN (ANL)
TRANSMISSION - INSCATTERING CORRECTIONS MADE

1-H -1	1.40+01 1.40+01	1	TOTAL
1-H -2	1.40+01 1.40+01	1	TOTAL
4-BE-8	1.40+01 1.40+01	1	TOTAL
6-C -NAT	1.40+01 1.40+01	1	TOTAL
8-O -NAT	1.40+01 1.40+01	1	TOTAL
12-MG-NAT	1.40+01 1.40+01	1	TOTAL
13-AL-27	1.40+01 1.40+01	1	TOTAL
22-TI-NAT	1.40+01 1.40+01	1	TOTAL
23-V -NAT	1.40+01 1.40+01	1	TOTAL
24-CR-NAT	1.40+01 1.40+01	1	TOTAL
26-FE-NAT	1.40+01 1.40+01	1	TOTAL
28-NI-NAT	1.40+01 1.40+01	1	TOTAL
29-CU-NAT	1.40+01 1.40+01	1	TOTAL
30-ZN-NAT	1.40+01 1.40+01	1	TOTAL
40-ZR-NAT	1.40+01 1.40+01	1	TOTAL
42-MO-NAT	1.40+01 1.40+01	1	TOTAL

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

207

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
50-SN-NAT	1.40+01 1.40+01	1	TOTAL
51-SB-NAT	1.40+01 1.40+01	1	TOTAL
74-W -NAT	1.40+01 1.40+01	1	TOTAL
82-PB-NAT	1.40+01 1.40+01	1	TOTAL
83-B1-209	1.40+01 1.47+01	1	TOTAL

208 PHYS. REV. 89, 908 (1953) R.E.FIELDS, R.L.BECKER, R.K.ADAIR
(UNIV. WISCONSIN)

1-H -1	2.53+00 2.53+00	1	TOTAL
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209 J. NUCLEAR ENERGY 22, 477 (1968) R.L.G.KEITH, A.MC NAIR,
A.L.ROGERS (AERE)
THERMAL REACTOR SPECTRA. RELATIVE TO 2200 M/SEC
CAPTURE CROSS SECTION OF CO-60 OF 37.4 BARNS. SEE ALSO
EANDC(UK)-845 (1967)
CNR/PR-8 P.25 (1967)

92-U -233	2.53+08 2.53+08	1	N,F,ISS
92-U -235	2.53+08 2.53+08	1	N,F,ISS
94-PV-239	2.53+08 2.53+08	1	N,F,ISS

210 PROC. PHYS. SOC. (LONDON) 68, 1077 (1955) W.D.ALLEN,
A.T.G.FERGUSON (HARWELL)
TRANSMISSION OF POLYETHYLENE - CORRECTED FOR CARBON WHICH WAS
ALSO MEASURED

1-H -1	6.00+02 5.50+01	5	TOTAL
6-C -NAT	6.00+02 1.20+01	4	TOTAL

211 PRIVATE COMMUNICATION (1968) M.SOLEILHAC, J.FREHAUT,
J.GAURIAU, M.LABAT, J.PERCHEREAU (FRANCE)
LARGE LIQUID SCINTILLATOR. RELATIVE TO NU EQUALS 3.782 FOR
CF252. SEE ALSO
EANDC(E)-76U P.186 (1967)
J. NUCLEAR ENERGY 23, 257 (1969)
CORRECTED BY THE EXPERIMENTERS (1976). NORMALIZED TO
NUBAR = 3.73 FOR CF252.

92-U -235	1.36+00 1.47+01	27	NU-PRMT
92-U -235	2.10+01 2.27+01	75	NU-PRMT
92-U -238	1.36+00 1.47+01	27	NU-PRMT
92-U -238	1.36+00 2.27+01	35	NU-PRMT
94-PV-239	1.36+00 1.47+01	27	NU-PRMT
94-PV-239	2.10+01 2.27+01	75	NU-PRMT

212 NATURE 163, 367 (1949) L.E.BEGHIAN, H.H.HALBAN (OXFORD)

46-PD-110	2.00+01 9.00+01	2	N,0
52-TE-130	2.00+01 8.00+01	2	N,0

213 PHIL. MAG. 46, 12 (1955) J.M.FREEMAN (AERE)
STILBENE AND NaI(TL) CRYSTAL SPECTROMETERS

25-MN-55	9.40+01 1.24+00	19	N,X0
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214 PROC. PHYS. SOC. (LONDON) 68, 650 (1955) W.D.ALLEN,
A.T.G.FERGUSON, J.H.ROBERTS (AERE, HARWELL)

1-H -2	1.00+01 2.00+01	3	TOTAL
1-H -2	1.00+01 2.00+01	43	ELASTIC D(A)

215 PROC. PHYS. SOC. (LONDON) 69, 214 (1956) R.BATCHELOR (AERE)
VAN DE GRAAFF. THIN THICK URANIUM SHELL. CORRECTED FOR
MULTIPLE SCATTERING

92-U -238	5.00+01 1.00+00	6	N,N'
92-U -238	5.00+01 1.00+00	8	N,N'

216 PROC. ROY. SOC. (LONDON) 215, 278 (1952) A.W.MERRISON,
E.R.WIBLIN (HARWELL)
TIME OF FLIGHT SPECTROMETER

13-AL-27	1.13+06 3.60+03	89	TOTAL
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217 PROC. PHYS. SOC. (LONDON) 70, 195 (1957) D.L.ALLAN
(AERE, HARWELL)

13-AL-27	1.40+01 1.40+01	1	N,N'P
13-AL-27	1.40+01 1.40+01	1	N,P
24-CR-54	1.40+01 1.40+01	1	N,2N
26-FE-54	1.40+01 1.40+01	1	N,2N
26-FE-54	1.40+01 1.40+01	1	N,N'P

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
217	26-FE-54	1.40+01 1.40+01	1 N,P	
	26-FE-56	1.40+01 1.40+01	1 N,P	
	28-NI-58	1.40+01 1.40+01	1 N,N'P	
	28-NI-58	1.40+01 1.40+01	1 N,P	
	28-NI-60	1.40+01 1.40+01	1 N,N'P	
	28-NI-60	1.40+01 1.40+01	1 N,P	
	29-CU-63	1.40+01 1.40+01	1 N,N'P	
	29-CU-63	1.40+01 1.40+01	1 N,P	
	29-CU-65	1.40+01 1.40+01	1 N,N'P	
218 PROC. PHYS. SOC. (LONDON) 70, 573 (1957) W.D.ALLEN, A.T.G.FERGUSON (AERE, HARWELL) IONIZATION CHAMBER. RELATIVE TO H CROSS SECTION	92-U -233	3.00-02 3.00+00	25 N.FISS	
	92-U -233	3.00-02 3.00+00	43 N.FISS	C/S RATIO
	92-U -235	3.00-02 3.00+00	24 N.FISS	
	92-U -235	3.00-02 3.00+00	20 N.FISS	C/S RATIO
	92-U -238	1.00+00 3.00+00	6 N.FISS	
	94-PU-239	3.00-02 3.00+00	22 N.FISS	
219 YAD. FIZ. 7, 951 (1968) L.I.PROKHOROVA, G.N.SHIRENKIN (OBNINSK, USSR) IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/95 (1966) BF3 COUNTERS IN A PARAFFIN BLOCK RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION OF CF252.	90-TH-232	1.48+00 3.27+00	7 NU-PRMT	
	92-U -235	3.70-01 3.25+00	14 NU-PRMT	
220 NUCLEAR PHYS. 3, 375 (1957) C.P.SIKKEMA (ORONINGEN) NEON FILLED PROPORTIONAL COUNTER. NEUTRON ENERGY SPREAD WAS ABOUT 2.5 KEV BELOW 2.7 MEV AND ABOUT 40 KEV ABOVE 2.7 MEV. LOW ENERGY NUCL.INTERACTIONS/NUCL.STRUCTURE.PARIS,P.541(1958)	10-NE-NAT	1.89+00 3.49+00	71 TOTAL	
	10-NE-NAT	2.11+00 3.49+00	107 ELASTIC D(A)	
	10-NE-20	1.89+00 3.49+00	71 TOTAL	
	10-NE-20	1.89+00 2.05+00	65 ELASTIC D(A)	
	10-NE-20	2.11+00 3.37+00	7 RES.PARAM.	
	10-NE-20	1.94+00 2.00+00	6 RES.PARAM.	
	10-NE-22	1.89+00 3.54+00	73 TOTAL	
221 ANL-4963 (1952) PHYSICS DIVISION QUARTERLY REPORT, ARGONNE NATIONAL LABORATORY	3-LI-7	2.80-03 2.80-03	1 TOTAL	
	26-FE-57	2.80-03 2.80-03	1 TOTAL	
222 ANL-5031 (1953) PHYSICS DIVISION QUARTERLY REPORT, ARGONNE NATIONAL LABORATORY	27-CO-59	2.50-02 2.50-02	1 N,G	
223 ANL-5080 PAGE 47 (1953) C.T.HIBDON, A.S.LANGSDORF, JR. PHYSICS DIVISION QUARTERLY REPORT, ARGONNE NATIONAL LABORATORY	28-NI-NAT	2.50-03 9.95-02	50 TOTAL	
224 NUCLEAR PHYS. 44, 123 (1963) B.ANTOLKOVIC (ZAGREB) NUCLEAR EMULSIONS - COULD NOT DISTINGUISH DEUTERONS, IF ANY, AND INCLUDES ALL PROTON PRODUCING REACTIONS - E.G. N,N'P	16-S -32	1.46+01 1.46+01	2 N,P	
	16-S -32	1.46+01 1.46+01	1 N,XP	
	16-S -32	1.46+01 1.46+01	14 N,XP	D(A)
225 ANL-5273 (1954) PHYSICS DIVISION QUARTERLY REPORT, ARGONNE NATIONAL LABORATORY	3-LI-7	2.57-01 2.57-01	1 TOTAL	
	3-LI-7	2.57-01 2.57-01	3 RES.PARAM.	
	9-F -19	1.50-01 1.70-01	4 TOTAL	

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
226 ATOMNAYA ENERGIYA 22, 401 (1967) V.F.KUZNETSOV, G.N.SMIRENKIN (OBNINSK,USSR) SUPERCEDES EARLIER RESULTS REPORTED IN ATOMNAYA ENERGIYA 15, 64 (1963) NUCLEAR PHYS. 52, 648 (1954) IAEA CONF. ON NUCLEAR DATA. PARIS, PAPER CN-23/97 (1956) U233 DATA WERE RENORMALIZED AS DESCRIBED IN ATOMNAYA ENERGIYA 34, 491 (1973).	92-U -233 92-U -235 92-U -235	8.00-02 7.00-01 8.00-02 9.90-01 8.00-02 9.90-01	7 NU-PRMT 13 NU-PRMT 21 NU-PRMT
227 NRDC-81 PP. 19 AND 22 (1956) J.E.LYNN (AERE) TRANSMISSION MEASUREMENT. AREA ANALYSIS. RESOLUTION FROM 300- 400 NSEC/M. A/CONF. 4, 187 (1955) J.F.RAFFLE, B.T.PRICE	94-PV-239	7.85-06 3.25-05	19 RES.PARAM.
228 PRIVATE COMMUNICATION (1955) E.O.JOKI, L.D.MILLER, J.E.EVANS (PHILLIPS) VIA BNL SIGMA CENTER 1/65 PHYS. REV. 99, 610 (1955) TRANSMISSION. MTR CRYSTAL SPECTROMETER	11-NA-23 19-K -NAT 37-RB-NAT	1.99-08 1.05-05 1.99-08 1.05-05 1.98-08 4.96-06	365 TOTAL 356 TOTAL 459 TOTAL
229 ANL-5498 (1955) PHYSICS DIVISION SUMMARY REPORT, ARGONNE NATIONAL LABORATORY	24-CR-53 26-FE-54 26-FE-56 83-BI-209	4.20-03 8.80-03 8.10-03 5.40-02 2.90-02 2.90-02 1.20-02 1.20-02	6 RES.PARAM. 2 RES.PARAM. 1 RES.PARAM. 2 RES.PARAM.
230 NUCLEAR PHYS. 19, 535 (1950) G.S.MANI, G.J.MC CALLUM, A.T.G.FERGUSON (HARWELL) ACTIVATION- N,P CROSS-SECTIONS NORMALIZED TO 82 MILLIBARNS AT 14.1 MEV. N,ALPHA CROSS-SECTION NORMALIZED TO 125 MILLIBARNS AT 14.1 MEV. N,2N CROSS-SECTION NORMALIZED TO N,P OF THIS EXPERIMENT	13-AL-27 13-AL-27 13-AL-27	1.62+01 2.02+01 1.19+01 2.07+01 1.19+01 2.07+01	9 N,2N 17 N,P 24 N,A
231 ANL-5567 (1956) A.S.LANGSDORF,JR., R.O.LANE, J.E.MONAHAN ANL-5554 PAGE 22 (1956) PHYS. REV. 107, 1077 (1957) ANL-5567 (REV.) (1961) ALL DATA NORMALIZED TO CARBON TOTAL CROSS-SECTION IN BNL 325, 1955 EDITION - MULTIPLE SCATTERING CORRECTIONS CALCULATED FOR A FEW POINTS. GUESSED FOR OTHERS - COUNTED SCATTERED NEUTRONS AT 5 ANGLES. BF3 COUNTERS IN MINERAL OIL MODERATOR	4-BE-9 4-BE-9 4-BE-9 5-B -NAT 5-B -NAT 5-B -NAT 5-B -NAT 11-NA-23 11-NA-23 11-NA-23 12-MG-NAT 12-MG-NAT 12-MG-NAT 13-AL-27 13-AL-27 13-AL-27 14-P -31 15-P -31 15-P -31 16-S -NAT 16-S -NAT	3.00-02 1.45+00 5.46-01 8.95-01 3.00-02 1.45+00 6.00-02 1.80+00 6.00-02 7.30-01 8.10-01 1.78+00 3.00-02 1.37+00 6.00-02 3.90-01 4.70-01 1.36+00 3.70-02 1.37+00 3.00-02 4.70-01 7.20-01 1.36+00 3.00-02 1.45+00 1.30-01 8.00-01 8.60-01 1.44+00 6.00-02 1.80+00 6.00-02 1.21+01 1.30+00 1.78+00 6.00-02 1.80+00 6.00-02 5.70-01	39 ELASTIC 190 ELASTIC D(A) 100 ELASTIC D(A) 20 SCATTER 45 ELASTIC D(A) 60 SCATTER D(A) 21 SCATTER 25 ELASTIC D(A) 60 SCATTER D(A) 19 SCATTER 35 ELASTIC D(A) 40 SCATTER D(A) 31 SCATTER 40 ELASTIC D(A) 40 SCATTER D(A) 22 SCATTER 75 ELASTIC D(A) 75 SCATTER D(A) 22 SCATTER 35 ELASTIC D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

TARGET CN. RANGE (MEV) PTS DESCRIPTION

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TARGET CN. RANGE (MEV) PTS DESCRIPTION

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REF.NO. = 231

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
231	78-PT-NAT	1.30-01 1.36+00	75	SCATTER D(A)
	79-AU-197	3.00-02 1.04+00	19	SCATTER
	79-AU-197	3.00-02 3.30-01	25	ELASTIC D(A)
	79-AU-197	4.70-01 9.70-01	35	SCATTER D(A)
	81-TL-NAT	6.00-02 1.60+00	23	SCATTER
	81-TL-NAT	6.00-02 2.40-01	15	ELASTIC D(A)
	81-TL-NAT	3.30-01 1.69+00	90	SCATTER D(A)
	82-Pb-NAT	3.00-02 1.45+00	31	SCATTER
	83-BI-209	3.00-02 1.36+00	18	SCATTER
	83-BI-209	3.00-02 9.60-01	65	ELASTIC D(A)
	83-BI-209	1.04+00 1.36+00	25	SCATTER D(A)
	90-TH-232	6.00-02 1.36+00	25	SCATTER
	90-TH-232	6.00-02 1.36+00	85	SCATTER D(A)
	92-U -238	6.00-02 1.36+00	28	SCATTER
232 ANL-5609 PAGE 52 (1956) H.CASSON, L.S.GOODMAN, J.HAUGSNES, L.A.RAYBURN PHYSICS DIVISION SUMMARY REPORT, ARGONNE NATIONAL LABORATORY BULL. AM. PHYS. SOC. 1, 187 (1956) J.HAUGSNES	46-PD-NAT	1.40+01 1.40+01	1	TOTAL
	72-HF-NAT	1.40+01 1.40+01	1	TOTAL
233 J. PHYS. RADIUM 22, 652 (1961) G.DECONINCK, A.GONZE, P.MACQ, J.P.MEULDERS (LOUVAIN) TRANSMISSION	6-C -NAT	2.84+01 2.84+01	1	ELASTIC D(A)
	11-NA-23	2.84+01 2.84+01	1	TOTAL
	12-MG-NAT	2.84+01 2.84+01	1	TOTAL
	13-AL-27	2.84+01 2.84+01	1	TOTAL
	15-P -31	2.84+01 2.84+01	1	TOTAL
	16-S -NAT	2.84+01 2.84+01	1	TOTAL
	17-CL-NAT	2.84+01 2.84+01	1	TOTAL
	19-K -NAT	2.84+01 2.84+01	1	TOTAL
	25-MN-55	2.84+01 2.84+01	1	TOTAL
	26-FE-NAT	2.84+01 2.84+01	1	TOTAL
	30-ZN-NAT	2.84+01 2.84+01	1	TOTAL
	33-AS-75	2.84+01 2.84+01	1	TOTAL
	35-BR-NAT	2.84+01 2.84+01	1	TOTAL
	42-MO-NAT	2.84+01 2.84+01	1	TOTAL
	50-ZN-NAT	2.84+01 2.84+01	1	ELASTIC D(A)
	53-I -127	2.84+01 2.84+01	1	TOTAL
	56-BA-NAT	2.84+01 2.84+01	1	TOTAL
	80-MG-NAT	2.84+01 2.84+01	1	TOTAL
	90-TH-232	2.84+01 2.84+01	1	TOTAL
	92-U -NAT	2.84+01 2.84+01	1	TOTAL
	92-U -NAT	2.84+01 2.84+01	1	ELASTIC D(A)
234 ANL-4476 PAGE 28 (1950) A.S.LANGSDORF, JR., M.F.BURGY (ANL) PHYSICS DIVISION QUARTERLY REPORT, ARGONNE NATIONAL LABORATORY	4-BE-9	1.20-01 1.09+00	20	TOTAL
235 ANL-4437 (1950) PHYSICS DIVISION QUARTERLY REPORT, ARGONNE NATIONAL LABORATORY	17-CL-NAT	2.70-03 2.70-03	1	ELASTIC
236 AERE-NP/R-2076 (REV.) (1956) PROCEEDINGS OF THE TRIPARTITE CONF., SEE ALSO REF.148	48-CD-NAT	5.00-01 2.10+00	13	N,N'
	90-TH-232	1.70-02 6.30-01	19	N,G

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
237 PRIVATE COMMUNICATION (1955) J.M.AUCLAIR (FRANCE) VIA BNL SIGMA CENTER	92-U -NAT	1.00-08 7.00-07	27 TOTAL
238 BULL. AM. PHYS. SOC. 8, 370 (1963) L.M.BOLLINGER, H.DIAMOND, J.E.GINDLER (ANL) MEASUREMENTS PERFORMED WITH THE HARWELL ELECTRON LINAC (RESONANCE REGION) AND THE ARGONNE FAST CHOPPER (EXTENSION TO SUBTHERMAL ENERGIES). HARWELL RESOLUTION WAS 30 NSEC/M.	90-TH-229	6.10-07 1.68-05	18 RES.PARAM.
239 J. INORG. NUCLEAR CHEM. 15, 1 (1960) J.E.GINDLER, K.F.FLYNN, J.GRAY, JR. (ANL) ACTIVATION IN CP-5 PILE. RELATIVE TO U233 AND PU239 STANDARDS	90-TH-229	2.50-08 2.50-06	1 N,FISS SPECT.AV.
240 LA-150 (1944) J.H.WILLIAMS (LASL)	91-PA-231	4.30-01 3.00+00	15 N,FISS
241 BULL. AM. PHYS. SOC. 4, 31 (1959) B.R.LEONARD, JR., E.J.SEPPI (HANFORD) CRYSTAL SPECTROMETER. THE 2200 M/SEC CROSS SECTION VALUE FOR NP237 WAS OBTAINED BY A 1/V EXTRAPOLATION. CROSS SECTIONS OBTAINED FROM BNL SIGMA CENTER. SEE ALSO HW-59126 P.3 (1959) ALSO REPORTS UPPER LIMITS TO GAMMA FISSION FOR 5 LEVELS BETWEEN 1.9 AND 4.0 EV	93-NP-237 95-AM-241 95-AM-241 95-AM-241	2.53-08 5.25-08 2.53-08 5.25-06 3.07-07 1.26-06 3.07-07 4.00-06	97 N,FISS 108 N,FISS 1 AV.RES.PARAM. 16 RES.PARAM.
242 AECD-3288 (1951) N.W.HAVENS, JR., L.J.RAINWATER (COLUMBIA)	90-TH-232	8.10-09 5.85-06	86 TOTAL
243 IDO-16300 (1956) R.M.BRUGGER, R.G.FLUHARTY (PHILLIPS)	12-MG-NAT 14-SI-NAT 16-S -NAT	3.70-03 9.60-03 1.20-03 1.20-02 1.10-03 1.30-02	19 TOTAL 14 TOTAL 15 TOTAL
244 TID-5223 (PART 2) PAPER 9.1 PAGE 508 (1952) M.H.STUDIER, A.GHIDORSO, F.HAGEMANN (ANL) BASED ON REPORT CF-3809 (1947), THERMAL ACTIVATION IN CP-3 PILE. RELATIVE TO U233 AND PU239 STANDARDS.	90-TH-229	2.50-08 2.50-08	1 N,FISS SPECT.AV.
245 KAPL-1109 (1954) H.L.WATER, P.L.KELLEY, E.R.GAERTNER (KAPL) BETATRON. TIME OF FLIGHT. IONIZATION CHAMBER NORMALIZATION PERFORMED BY MATCHING COLUMBIA DATA IN ENERGY RANGE FROM 0.3 TO 0.7 EV	92-U -235	7.20-04 4.40-02	28 N,FISS
246 BULL. AM. PHYS. SOC. 6, 417 (1961) R.E.COTE, H.DIAMOND, J.E.GINDLER (ANL) FAST CHOPPER. RESOLUTION WAS 90 NSEC/M. RESONANCE PARAMETERS TAKEN FROM BNL-325 (1965) AND CROSS SECTIONS (ALL THICKNESSES UTILIZED) OBTAINED FROM BNL SIGMA CENTER	90-TH-229 90-TH-229	3.86-07 3.07-05 6.09-07 2.99-05	268 TOTAL 44 RES.PARAM.
247 ANL-4552 (1950) PHYSICS DIVISION QUARTERLY REPORT, ARGONNE NATIONAL LABORATORY	5-B -NAT 72-HF-NAT	2.30-03 2.30-03 2.30-03 2.30-03	1 TOTAL 1 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
248 NUCLEAR PHYS. 32, 470 (1962) C.P.SIKKEMA (GRONINGEN) NITROGEN FILLED PROPORTIONAL COUNTER. TOTAL CROSS SECTION RESOLUTION VARIED FROM 15 TO 85 KEV. PHYSICA 26, 379 (1960)	7-N -15 7-N -15 7-N -15	1.90+00 3.46+00 1.94+00 3.32+00 1.96+00 3.01+00	64 TOTAL 457 ELASTIC D(A) 20 RES.PARAM.
249 ATOMNAYA ENERGIYA 8, 47 (1960) YU.YA.KONAKHOVICH, M.I.PEVZNER TRANSLATED IN SOVIET J. ATOMIC ENERGY 8, 39 (1961) CRYSTAL SPECTROMETER AND MECHANICAL CHOPPER. CROSS SECTION OBTAINED FROM BNL SIGMA CENTER	90-TH-229 90-TH-229 90-TH-229	1.69-08 8.00-07 4.00-07 1.50+01 2.40-07 7.27-07	27 N.FISS 1 N.FISS RES.INT. 3 RES.PARAM.
250 J. NUCLEAR ENERGY 2, 128 (1955) B.T.PRICE (HARWELL) TABULATED CROSS-SECTION AND RESONANCE PARAMETERS PRESENTED IN NRDC-81 (1956) P.A.EGELSTAFF TIME OF FLIGHT METHOD. AREA ANALYSIS. FISSION CROSS SECTION TAKEN AS 638 BARNs AT 0.0252 EV FOR RESONANCE ANALYSIS. WE HAVE NORMALIZED THE CROSS SECTION TO 579.5 BARNs AT 0.0253 EV	92-U -235 92-U -235 92-U -235	5.2-09 1.52-04 5.30-09 1.52-04 3.00-07 3.40-05	325 N.FISS 325 N.FISS 16 RES.PARAM.
251 ANL-4183 (1948) E.K.HYDE (ANL) ACTIVATION ANALYSIS. RELATIVE TO TH232 ACTIVATION CROSS SECTION OF 6.8 BARNs. SEE ALSO REFERENCE 1201	90-TH-230	2.50-08 2.50-08	1 N.G SPECT.AV.
252 ANL-4982 (1952) PHYSICS DIVISION SUMMARY REPORT, ARGONNE NATIONAL LABORATORY	5-B -10 64-GD-NAT	2.80-03 2.80-03 2.80-03 2.80-03	1 TOTAL 1 TOTAL
253 BNL-224 (C-18) (1953) PROCEEDINGS OF THE MEV NEUTRON CROSS-SECTIONS CONF.	74-W -NAT	1.50+00 1.50+00	1 NONELAS
254 NRDC-117 (1959) E.R.COLLINS, T.M.KAVANAGH, J.E.LYNN (HARWELL) FISSION WIDTHS DETERMINED FROM ETA/NU WHICH WAS NORMALIZED AT 0.1 EV TO FISSION/ABSORPTION CROSS-SECTION IN BNL-325 (1958) RESOLUTION EFFECTS NEGLECTED AT 4.95, 6.45, 9.25, 15.8, 16.7 EV.	92-U -235	1.15-06 2.42-05	16 RES.PARAM.
255 BULL. AM. PHYS. SOC. 4, 270 (1959) J.E.CLIN, E.H.MAGLEBY, W.H.BURGUS (PHILLIPS) MTR FAST CHOPPER. DATA OBTAINED FROM BNL SIGMA CENTER. OAMMA TOTAL TAKEN AS 0.035 EV WHEN NOT DETERMINED. SHAPE AND AREA ANALYSIS	93-NP-237 93-NP-237	4.90-07 3.20-05 4.89-07 3.51-05	1 AV.RES.PARAM. 60 RES.PARAM.
256 KAPL-1084 (1954) E.R.GAERTNER, M.L.YEATER, R.O.ALBERT (KAPL) TIME OF FLIGHT TECHNIQUE.	25-MN-55 27-CO-59 30-ZN-NAT 30-ZN-NAT 73-TA-181	3.49-04 2.56-03 1.27-04 1.27-04 1.00-03 3.50-03 2.18-04 2.51-03 1.00-05 3.85-05	3 RES.PARAM. 1 RES.PARAM. 11 TOTAL 3 RES.PARAM. 7 RES.PARAM.
257 LA-243 (1945) H.H.BARSCHALL (LASL)	5-B -10	2.00-01 3.00+00	7 TOTAL
258 ORNL-1620 P.42 (1953) H.S.POMERANCE (ORNL) PILE OSCILLATOR RELATIVE TO 95 BARNs FOR AU CROSS SECTIONS	90-TH-230	2.50-08 2.50-08	1 N.G SPECT.AV.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
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REF BIBLIOGRAPHY

		TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
267		78-PT-192	2.50-08 2.50-08	1	ABSORP SPECT.AV.
		78-PT-194	2.50-08 2.50-08	1	ABSORP SPECT.AV.
		78-PT-195	2.50-08 2.50-08	1	ABSORP SPECT.AV.
		78-PT-196	2.50-08 2.50-08	1	ABSORP SPECT.AV.
		78-PT-198	2.50-08 2.50-08	1	ABSORP SPECT.AV.
		92-U -233	2.50-08 2.50-08	22	N.FISS D(E)
		92-U -235	2.50-08 2.50-08	7	N.FISS D(E)
		95-AM-241	2.50-08 2.50-08	1	ABSORP SPECT.AV.
268	ORNL-1926 P.11 (1955) R.W.LAMPHERE (ORNL) RESULTS CORRECTED FOR U235 PRESENT IN NATURAL URANIUM	92-U -238	4.90-01 4.18+00	69	N.FISS
269	ORNL-1975 P.32 (1955) J.H.NEILER, W.M.GOOD, J.H.GIBBONS, H.E.BANTA, E.C.SMITH (ORNL) TIME OF FLIGHT TECHNIQUE	83-B1-209	1.70-03 7.00-03	24	TOTAL
270	NUCLEAR SCIENCE AND ENGINEERING 21, 406 (1965) W.K.FOELL, T.J.CONNOLLY (PHILLIPS) REACTIVITY WORTH ANALYSIS, RELATIVE TO AU R.I. OF 1579 BARNES ABOVE 0.5 EV	96-TH-232	5.00-07 1.50+01	1	N.G RES.INT.
271	PHYS. REV. 114, 194 (1959) H.O.COHN, J.L.FOWLER (ORNL) TOTAL CROSS-SECTION BY TRANSMISSION OF NEUTRONS BY HIGH PRESSURE GAS, DIFFERENTIAL ELASTIC CROSS-SECTION BY NEON RECOILS IN COINCIDENCE WITH NEUTRONS, TOTAL CROSS SECTION RESOLUTION WAS 13 KEV. ORNL-2501 PAGE 20 (1958)	10-NE-NAT	7.70-01 1.89+00	99	TOTAL
		10-NE-NAT	8.25-01 1.76+00	221	ELASTIC D(A)
		10-NE-20	9.10-01 1.85+00	19	RES.PARAM.
272	ORNL-2302 (1957) PHYSICS DIVISION SEMI-ANNUAL PROGRESS REPORT, OAK RIDGE NATIONAL LABORATORY, SEE ALSO REF.305	19-K -39	8.25-03 9.90-03	18	TOTAL
		37-R8-87	4.40-03 1.00-02	55	TOTAL
273	ORNL-2309 (1956) CONF. ON NEUTRON PHYSICS BY TIME OF FLIGHT SEE ALSO REFERENCE 15	16-S -NAT	5.57-01 6.02-01	35	TOTAL
		82-PB-NAT	2.03-02 3.42-02	50	TOTAL
274	PHYS. REV. 92, 358 (1958) R.B.DAY, R.L.HENKEL (LASL) CORRECTED FOR INSCATTERING	1-H -1	1.99+01 1.99+01	1	TOTAL
		2-HE-NAT	1.79+01 2.00+01	3	TOTAL
		6-C -NAT	1.72+01 2.00+01	3	TOTAL
		9-F -19	1.90+01 1.90+01	1	TOTAL
		13-AL-27	1.90+01 1.90+01	1	TOTAL
		14-S1-NAT	1.90+01 1.90+01	1	TOTAL
		26-FE-NAT	1.90+01 1.90+01	1	TOTAL
		29-CU-NAT	1.90+01 1.90+01	1	TOTAL
		35-BR-NAT	1.72+01 2.00+01	3	TOTAL
		40-ZR-NAT	1.90+01 1.90+01	1	TOTAL
		82-PB-NAT	1.90+01 1.90+01	1	TOTAL
		83-B1-209	1.90+01 1.90+01	1	TOTAL
		92-U -NAT	1.79+01 2.10+01	3	TOTAL
275	PRIVATE COMMUNICATION (1961) D.O.PHILLIPS (LASL) BNL SIGMA CENTER 1/65, INTEGRATED ANGULAR DISTRIBUTIONS	4-BE-9	3.00+00 7.00+00	8	ELASTIC

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

277 J. NUCLEAR ENERGY, PARTS A/B, 17, 437 (1983)
M.H.MC TAGGART, H.GOODFELLOW (AWRE)
SPHERICAL SHELL TRANSMISSION

TARGET	EN. RANGE (MEV)		PTS	DESCRIPTION
4-BE-9	1.40+01	1.40+01	1	NONELAS
4-BE-9	1.40+01	1.40+01	1	N.2N
90-TH-232	1.40+01	1.40+01	1	NONELAS
90-TH-232	1.40+01	1.40+01	1	N.3N
90-TH-232	1.40+01	1.40+01	1	ETA

278 WASH-191 (1956)
REPORTS TO THE AEC NCSAG

5-B -10	2.50-02	2.50-02	1 N.A
28-NI-61	1.40+01	1.40+01	1 N.P
29-CU-65	1.40+01	1.40+01	1 N.P
30-ZN-66	1.40+01	1.40+01	1 N.P
32-GE-70	1.40+01	1.40+01	1 N.P
32-GE-72	1.40+01	1.40+01	1 N.P
32-GE-73	1.40+01	1.40+01	1 N.P

279 PRIVATE COMMUNICATION (1955) J.M.FOWLER, S.S.HANNA,
G.E.OWEN (JOHNS HOPKINS)
VIA BNL SIGMA CENTER 1/65
PHYS. REV. 98, 249 (1955)
COINCIDENCE OPERATED TRANSMILBENE COUNTERS

4-BE-9 3.70+00 3.70+00 1 N.2N

280 PHYS. REV. 129, 324 (1963) C.E.ENGELKE, R.E.BENENSON,
E.MELKONIAN, J.M.LEBOWITZ (COLUMBIA U.)
TRANSMISSION OF LIQUID HEPTANE, CORRECTED FOR CARBON

1-H -1 4.97-01 3.20+00 2 TOTAL

281 PHYS. REV. 80, 842 (1950) R.H.HILDEBRAND.
C.E.LEITH (LRL BERKELEY)
TRANSMISSION

1-H -1	4.20+01	4.20+01	1	TOTAL
1-H -2	4.20+01	4.20+01	1	TOTAL
3-L1-NAT	4.20+01	4.20+01	1	TOTAL
4-BE -9	4.20+01	4.20+01	1	TOTAL
5-B -NAT	4.20+01	4.20+01	1	TOTAL
6-C -NAT	4.20+01	4.20+01	1	TOTAL
7-N -NAT	4.20+01	4.20+01	1	TOTAL
8-O -NAT	4.20+01	4.20+01	1	TOTAL
9-F -19	4.20+01	4.20+01	1	TOTAL
11-NA -23	4.20+01	4.20+01	1	TOTAL
12-MC-NAT	4.20+01	4.20+01	1	TOTAL
13-AL-27	4.20+01	4.20+01	1	TOTAL
16-S -NAT	4.20+01	4.20+01	1	TOTAL
17-CL-NAT	4.20+01	4.20+01	1	TOTAL
20-CA-NAT	4.20+01	4.20+01	1	TOTAL
26-FE-NAT	4.20+01	4.20+01	1	TOTAL
28-NI-NAT	4.20+01	4.20+01	1	TOTAL
29-CU-NAT	4.20+01	4.20+01	1	TOTAL
30-ZN-NAT	4.20+01	4.20+01	1	TOTAL
35-BR-NAT	4.20+01	4.20+01	1	TOTAL
38-SR-NAT	4.20+01	4.20+01	1	TOTAL
42-MO-NAT	4.20+01	4.20+01	1	TOTAL
47-AG-NAT	4.20+01	4.20+01	1	TOTAL
50-SN-NAT	4.20+01	4.20+01	1	TOTAL
53-I -12"	4.20+01	4.20+01	1	TOTAL
56-BA-NAT	4.20+01	4.20+01	1	TOTAL
73-TA-NAT	4.20+01	4.20+01	1	TOTAL
74-W -NAT	4.20+01	4.20+01	1	TOTAL

REF BIBLIOGRAPHY

[illegible]

REF BIBLIOGRAPHY

281

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
80-HG-NAT	4.20+01 4.20+01	1	TOTAL
82-PB-NAT	4.20+01 4.20+01	1	TOTAL
83-B1-209	4.20+01 4.20+01	1	TOTAL
90-TH-232	4.20+01 4.20+01	1	TOTAL
92-U -238	4.20+01 4.20+01	1	TOTAL

282 PHYS. REV. 99, 740 (1955) V.CULLER, R.W.WANIEK (HARVARD)
TRANSMISSION

1-H -1	9.34+01 1.06+02	4	TOTAL
1-H -2	9.34+01 1.06+02	4	TOTAL
6-C -NAT	6.10+01 1.06+02	12	TOTAL
8-O -NAT	9.34+01 1.06+02	4	TOTAL
13-AL -27	9.34+01 1.06+02	4	TOTAL
14-SI-NAT	9.2 +01 1.06+02	4	TOTAL
17-CL-NAT	7.67+01 1.06+02	8	TOTAL
22-TI-NAT	6.10+01 1.06+02	12	TOTAL
26-FE-NAT	9.34+01 1.06+02	4	TOTAL
29-CU-NAT	6.10+01 1.06+02	12	TOTAL
80-HG-NAT	6.10+01 1.06+02	12	TOTAL
82-PB-NAT	6.10+01 1.06+02	12	TOTAL

283 PRIVATE COMMUNICATION (1963) P.H.BOWEN, G.C.COX.
A.S.LANGSDORF, JR., R.A.J.RIDDLE
VIA BNL SIGMA CENTER 1/65 TRANSMISSION OF D20 - ALSO MEASURED
TRANSMISSION OF H2O. DIFFERENCE ASSUMED TO BE NEUTRON-NEUTRON
TOTAL CROSS-SECTION

1-H -2	1.75+01 1.22+02	28	TOTAL
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284 PHYS. REV. 82, 989 (1952) M.A.GRACE, L.E.BEGHIAN, G.PRESTON.
H.H.HALBAN (OXFORD)
G-M COUNTERS. SEE ALSO
PHYS. REV. 77, 286 (1950)

9-F -19	2.50+00 2.50+00	1	N, X0
12-HG-NAT	2.50+00 2.50+00	1	N, X0
16-S -NAT	2.50+00 2.50+00	1	N, X0
24-CR-NAT	2.50+00 2.50+00	1	N, X0
26-FE-NAT	2.50+00 2.50+00	2	N, X0
29-CU-NAT	2.50+00 2.50+00	2	N, X0

285 PHYS. REV. 84, 189 (1951) E.WANTUCH (BNL)
DOUBLE COINCIDENCE COUNTER TELESCOPE. INTEGRATED DIFFERENTIAL
CROSS-SECTION

1-H -2	4.50+00 5.50+00	2	TOTAL
1-H -2	4.50+00 5.50+00	13	ELASTIC D(A)

286 PHYS. REV. 75, 7 (1949) L.J.COOK, E.M.MC MILLAN,
J.M.PETERSON, D.C.SEWELL (UC BERKELEY)
TRANSMISSION MEASUREMENT BY 184 INCH CYCLOTRON. CARBON DISKS
AS DETECTORS. GOOD GEOMETRY

1-H -1	9.00+01 9.00+01	1	TOTAL
1-H -2	9.00+01 9.00+01	1	TOTAL
3-LI-NAT	9.00+01 9.00+01	1	TOTAL
4-BE-9	9.00+01 9.00+01	1	TOTAL
6-C -NAT	9.00+01 9.00+01	1	TOTAL
7-N -NAT	9.00+01 9.00+01	1	TOTAL
9-O -NAT	9.00+01 9.00+01	1	TOTAL
12-HG-NAT	9.00+01 9.00+01	1	TOTAL
13-AL -27	9.00+01 9.00+01	1	TOTAL
17-CL-NAT	9.00+01 9.00+01	1	TOTAL
29-CU-NAT	9.00+01 9.00+01	1	TOTAL
30-ZN-NAT	9.00+01 9.00+01	1	TOTAL
50-SN-NAT	9.00+01 9.00+01	1	TOTAL
82-PB-NAT	9.00+01 9.00+01	1	TOTAL
92-U -NAT	9.00+01 9.00+01	1	TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
287	CCA-R-2486 (1964) R.VIDAL (FONTENAY-AUX-ROSE) PILE OSCILLATOR. RELATIVE TO AU R1 ABOVE 0.5 EV OF 1540 BARNS AND 2200 M/SEC CROSS SECTIONS FOR B OF 760.3 BARNS AND FOR AU OF 98.9 BARNS. ALSO USED THERMAL CROSS SECTIONS FOR THE VARIOUS MATERIALS BASED ON AVERAGES OF RECENT MEASUREMENTS	27-CO-59 47-AG-NAT 49-IN-NAT 55-CS-133 72-HF-NAT 90-TH-232	5.00-07 1.50+01 5.00-07 1.50+01 5.00-07 1.50+01 5.00-07 1.50+01 5.00-07 1.50+01 5.00-07 1.50+01	1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G	RES.INT. RES.INT. RES.INT. RES.INT. RES.INT. RES.INT.
288	NUCLEAR SCIENCE AND ENGINEERING 19, 244 (1964) M.BROSE (KARLSRUHE) CD RATIO ACTIVATION TECHNIQUE. RELATIVE TO AU R1 OF 1461.8 BARNS AND EFFECTIVE THERMAL CROSS SECTIONS OF 99.3 BARNS FOR AU AND 7.45 BARNS FOR TH	90-TH-232	5.00-07 1.50+01	1 N,G	RES.INT.
289	PHYS. REV. 89, 712 (1953) J.P.CONNER (RICE)	8-O -NAT 8-O -NAT 8-O -16	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 19 1	ELASTIC ELASTIC D(A) N,N'
290	PHYS. REV. 89, 1165 (1953) R.K.ADAIR, A.OKAZAKI H.WALT (LASL) PROPORTIONAL COUNTER FILLED WITH D2. BOMBARDED WITH NEUTRONS. DIFFERENTIAL ELASTIC SCATTERING CROSS-SECTION DERIVED FROM ENERGY DISTRIBUTION OF RECOIL DEUTERONS. TOTAL CROSS-SECTION MEASURED BY COMPARING TRANSMISSION OF H2O, D2O	1-H -2 1-H -2	2.62-01 2.96+00 2.20-01 2.50+00	9 105	TOTAL ELASTIC D(A)
291	PHYS. REV. 89, 1232 (1953) A.E.FRANCIS, J.J.G.MC CUE, C.GOODMAN (MIT)	48-CD-111	6.00-01 7.20-01	2	N,N'
292	PHYS. REV. 89, 1268 (1953) V.E.SCHERRER, R.B.THEUS, W.R.FAUST (NRL) NAI(TL) CRYSTAL SPECTROMETER	26-FE-NAT 26-FE-NAT	1.40+01 1.40+01 1.40+01 1.40+01	1 5	N,XO N,XO
293	NUCLEAR PHYS. 38, 561 (1962) R.W.LAMPHERE (ORNL) DATA OBTAINED BY PRIVATE COMMUNICATION	92-U -234 92-U -234 92-U -234	1.34+00 4.05+00 1.36-01 1.32+00 5.00-02 1.32+00	90 73 74	N,FISS N,FISS N,FISS C/S RATIO
294	PHYS. REV. 91, 1476 (1953) V.E.SCHERRER, R.B.THEUS, W.R.FAUST (NRL) NAI(TL) CRYSTAL SPECTROMETER	6-C -12 6-C -12 8-O -NAT 8-O -NAT 13-AL-27 13-AL-27 28-NI-NAT 28-NI-NAT 29-CU-NAT 29-CU-NAT 48-CD-NAT 82-PB-NAT 82-PB-NAT	1.42+01 1.42+01	1 4 1 3 1 3 1 4 1 2 1 1 2	N,XO N,XO N,XO N,XO N,XO N,XO N,XO N,XO N,XO N,XO N,XO N,XO N,XO
295	PHYS. REV. 97, 1266 (1955) M.E.BATTAT, E.R.GRAVES (LASL)	6-C -12	1.40+01 1.40+01	1	N,N'
296	PHYS. REV. 98, 677 (1955) M.WALT, J.R.BEYSTER (LASL)	4-BE-9	4.10+00 4.10+00	1	TOTAL
REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

REF BIBLIOGRAPHY

296 TRANSMISSION FOR TOTAL. DIFFERENTIAL ELASTIC USED BASED
SCINTILLATION. NON-ELASTIC CALCULATED AS DIFFERENCE

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
4-BE-9	4.10+00 4.10+00	1	NONELAS
4-BE-9	4.10+00 4.10+00	11	ELASTIC D(A)
6-C -NAT	4.10+00 4.10+00	1	TOTAL
6-C -NAT	4.10+00 4.10+00	1	NONELAS
6-C -NAT	4.10+00 4.10+00	11	ELASTIC D(A)
13-AL-27	4.10+00 4.10+00	1	TOTAL
13-AL-27	4.10+00 4.10+00	1	NONELAS
13-AL-27	4.10+00 4.10+00	11	ELASTIC D(A)
22-TI-NAT	4.10+00 4.10+00	1	TOTAL
22-TI-NAT	4.10+00 4.10+00	1	NONELAS
22-TI-NAT	4.10+00 4.10+00	11	ELASTIC D(A)
26-FE-NAT	4.10+00 4.10+00	1	TOTAL
26-FE-NAT	4.10+00 4.10+00	1	NONELAS
26-FE-NAT	4.10+00 4.10+00	11	ELASTIC D(A)
30-ZN-NAT	4.10+00 4.10+00	1	TOTAL
30-ZN-NAT	4.10+00 4.10+00	1	NONELAS
30-ZN-NAT	4.10+00 4.10+00	11	ELASTIC D(A)
40-ZR-NAT	4.10+00 4.10+00	1	TOTAL
40-ZR-NAT	4.10+00 4.10+00	1	NONELAS
40-ZR-NAT	4.10+00 4.10+00	14	ELASTIC D(A)
48-CO-NAT	4.10+00 4.10+00	1	TOTAL
48-CO-NAT	4.10+00 4.10+00	1	NONELAS
48-CO-NAT	4.10+00 4.10+00	11	ELASTIC D(A)
50-SN-NAT	4.10+00 4.10+00	1	TOTAL
50-SN-NAT	4.10+00 4.10+00	1	NONELAS
50-SN-NAT	4.10+00 4.10+00	11	ELASTIC D(A)
73-TA-NAT	4.10+00 4.10+00	1	TOTAL
73-TA-NAT	4.10+00 4.10+00	1	NONELAS
73-TA-NAT	4.10+00 4.10+00	13	ELASTIC D(A)
74-W -NAT	4.10+00 4.10+00	1	TOTAL
74-W -NAT	4.10+00 4.10+00	1	NONELAS
74-W -NAT	4.10+00 4.10+00	11	ELASTIC D(A)
79-AU-197	4.10+00 4.10+00	1	TOTAL
79-AU-197	4.10+00 4.10+00	1	NONELAS
79-AU-197	4.10+00 4.10+00	13	ELASTIC D(A)
82-PB-NAT	4.10+00 4.10+00	1	TOTAL
82-PB-NAT	4.10+00 4.10+00	1	NONELAS
92-PB-NAT	4.10+00 4.10+00	11	ELASTIC D(A)
93-BI-209	4.10+00 4.10+00	1	TOTAL
93-BI-209	4.10+00 4.10+00	1	NONELAS
93-BI-209	4.10+00 4.10+00	12	ELASTIC D(A)

297 PHYS. REV. 92, 114 (1953) W.D.WHITEHEAD, S.C.SNOWDON
(BARTOL RESEARCH FOUNDATION)

13-AL-27	3.72+00 3.72+00	1	ELASTIC D(A)
26-FE-NAT	3.72+00 3.72+00	3	ELASTIC D(A)
82-PB-NAT	3.70+00 3.70+00	1	TOTAL
82-PB-NAT	3.70+00 3.70+00	36	ELASTIC D(A)

298 PHYS. REV. 93, 197 (1954) A.A.EBEL, C.GOODMAN (MIT)

49-IN-115	6.00-01 1.80+00	31	N,N'
79-AU-197	5.30-01 1.35+00	19	N,N'

299 PHYS. REV. 93, 199 (1954) H.C.MARTIN, B.C.DIVEN, R.F.TASCHEK
(LASL)

49-IN-115	3.50-01 5.30+00	21	N,N'
79-AU-197	1.40+00 5.30+00	27	N,N'

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

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REF. BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

305

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
58-CE-140	2.40-02 2.40-02	1	N,0
58-CE-142	2.40-02 2.40-02	1	N,0
59-PR-141	2.40-02 2.40-02	1	N,0
62-SM-152	2.40-02 2.40-02	1	N,0
62-SM-154	2.40-02 2.40-02	1	N,0
64-GD-158	2.40-02 2.40-02	1	N,0
68-ER-170	2.40-02 2.40-02	1	N,0
72-HF-180	2.40-02 2.40-02	1	N,0
74-W-186	2.40-02 2.40-02	1	N,0
75-RE-185	2.40-02 2.40-02	1	N,0
75-RE-187	2.40-02 2.40-02	1	N,0
76-OS-190	2.40-02 2.40-02	1	N,0
79-AU-197	2.40-02 2.40-02	1	N,0
80-HO-202	2.40-02 2.40-02	1	N,0
90-TH-232	2.40-02 2.40-02	1	N,0
92-U-238	2.40-02 2.40-02	1	N,0

306 PHYS. REV. 107, 1065 (1957) R.B.WALTON, J.D.CLEMENT,
F.BORELLI (UNIV. WIS.)
TRANSMISSION FOR TOTAL. PROPORTIONAL COUNTER FOR N,ALPHA

8-0 -NAT	3.41+00 4.45+00	47	TOTAL
8-0 -NAT	3.96+00 5.21+00	108	N, A

307 PHYS. REV. 68, 240 (1945) R.SHERR (HARVARD)
TRANSMISSION

1-H -1	2.54+01 2.54+01	1	TOTAL
6-C -NAT	2.54+01 2.54+01	1	TOTAL
8-0 -NAT	2.54+01 2.54+01	1	TOTAL
13-AL-27	2.54+01 2.54+01	1	TOTAL
17-CL-NAT	2.54+01 2.54+01	1	TOTAL
29-CU-NAT	2.54+01 2.54+01	1	TOTAL
47-AG-NAT	2.54+01 2.54+01	1	TOTAL
80-HG-NAT	2.54+01 2.54+01	1	TOTAL

308 CUD-92 (1:51) W.W.HAVENS, JR., E.MELKONIAN, L.J.RAINWATER,
M.LEVIN (COLUMBIA)
A/CONF. 4, 193 (1955) B.R.LEONARD, JR.
TRANSMISSION MEASUREMENT. SHAPE AND WIND ANALYSIS. ACCURACY
ON THE RESONANCE PARAMETERS BETWEEN 7.5 AND 25.5 EV IS
CONSIDERED POOR.

94-PU-239	4.07-09 7.38-07	58	TOTAL
94-PU-239	-2.30-07 2.55-05	10	RES.PARAM.
94-PU-240	1.06-06 1.06-06	4	RES.PARAM.

309 LA-16 (1943) O.A.LINENBERGER, M.L.PERLMAN, E.SEGRE (LASL)

75-RE-185	2.40-01 2.40-01	1	N,0
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310 UCRL-2337 (1953) B.RAGENT (UC BERKELEY)
TRANSMISSION - NORMALIZED TO TOTAL CROSS-SECTION OF CARBON
OF 475 MILLIBARNS AT 100 MEV

6-C -NAT	3.91+01 1.94+02	27	TOTAL
26-FE-NAT	3.48+01 1.94+02	30	TOTAL
61-SB-NAT	3.48+01 1.94+02	30	TOTAL
73-TA-NAT	3.48+01 1.94+02	30	TOTAL

311 HELV. PHYS. ACTA 23, 15 (1950) E.BRETSCHER,
E.B.MARTIN (HARWELL)
TRANSMISSION

1-H -1	2.20-01 4.05+00	10	TOTAL
1-H -2	2.60-01 3.80+00	14	TOTAL
6-C -NAT	2.20-01 4.05+00	12	TOTAL
8-0 -NAT	2.60-01 3.80+00	15	TOTAL

312 PROC. ROY. SOC. (LONDON) 236, 41 (1956) R.G.P.VOSS,
R.WILSON (OXFORD)
LARGE LIQUID SCINTILLATOR. CORRECTION FOR ELASTIC SINGLE AND

6-C -NAT	5.50+01 1.40+02	4	NONELAS
13-AL-27	5.50+01 1.40+02	4	NONELAS
29-CU-NAT	5.50+01 1.40+02	4	NONELAS

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
312 MULTIPLE SCATTERING	48-CD-NAT 82-PB-NAT	5.50+01 1.40+02 5.50+01 1.40+02	4 4	NONELAS NONELAS
313 LA-467 (1946) G.A.LINENBERGER, J.A.WISKEL (LASL) COUNTED DECAY BETAS. RELATIVE TO U235 FISSION CROSS SECTIONS	47-AG-107 47-AG-109 49-IN-115 53-1 -127 90-TH-232 92-U -238	3.50-03 5.90+00 3.50-03 5.90+00 3.50-03 5.90+00 3.50-03 5.90+00 3.00-03 3.90-01 5.00-03 5.90+00	8 8 8 8 9 14	N,N N,N N,N N,N N,N N,N
314 LA-1060 (1950) R.K.ADAIR, H.H.BARSCHALL, C.K. BOCKELMAN, E.R.GRAVES, R.L.WENKEL, R.E.PETERSON (LASL) CORRECTED FOR MULTIPLE SCATTERING. DIFFRACTION SCATTERING NOT TAKEN INTO ACCOUNT	92-U -NAT	2.00-02 1.41+00	63	TOTAL
315 NP-1948 (1950) H.S.WILLARD, W.M.PRESTON, C.GOODMAN (MIT)	82-PB-NAT	6.10-01 2.35+00	31	TOTAL
316 PHYS. REV. 108, 99 (1957) G.J.FISCHER (IOWA STATE UNIV.) MANGANESE BATH. MULTIPLE COLLISION CORRECTION MADE GAMD-1619 (1960) A.J.GOODJOHN, G.W.HINMAN THE ERRORS ON THE CROSS SECTIONS WERE CHANGED AS PER FISCHER'S COMMENTS REPORTED IN THE QA REPORT	4-BE-9	2.57+00 3.19+00	4	N,N
317 PHYS. REV. 108, 110 (1957) S.H.AHN, J.H.ROBERTS (NORTHWESTERN U.) ANGULAR RESOLUTION FOR ELASTIC SCATTERING PLUS/MINUS 8 DEGREES	40-ZR-NAT 40-ZR-NAT 40-ZR-NAT 40-ZR-NAT 40-ZR-NAT 40-ZR-NAT 40-ZR-NAT	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 1 11 14 17 17 1	N,N N,N ELASTIC D(A) EMISS D(E) EMISS E1-E2,D(A) N,N'EMS E1-E2,D(A) NUCLEAR TEMP.
318 PHYS. REV. 108, 414 (1957) C.T.HIBDON (ANL) ENERGY SPREAD VARIED FROM 0.3 TO 0.7 KEV. BULL. AM. PHYS. SOC. 1, 346 (1956) ANL-5554 PAGE 55 (1956) ANL-5667 PAGE 42 (1957)	24-CR-NAT 24-CR-52 24-CR-53 26-FE-NAT 26-FE-54 26-FE-56 26-FE-57	3.00-03 4.09-01 5.10-02 4.06-01 6.90-02 2.33-01 1.00-03 4.09-01 9.20-02 4.01-01 2.92-02 4.06-01 4.43-01 1.49-01	418 11 4 363 8 15 2	TOTAL RES.PARAM. RES.PARAM. TOTAL RES.PARAM. RES.PARAM. RES.PARAM.
319 PHYS. REV. 108, 726 (1957) M.H.MAC GREGOR, W.P.BALL, R.BOOOTH (LRL LIVERMORE) SPHERE TRANSMISSION. CORRECTION FOR MULTIPLE SCATTERING AND FINITE DETECTOR SIZE	4-BE-9 5-B -10 6-C -NAT 9-F -19 12-MG-NAT 13-AL-27 16-S -NAT 22-TI-NAT 26-FE-NAT 27-CO-59 28-NI-NAT 29-CU-NAT 30-ZN-NAT	1.42+01 1.42+01	1 1 1 1 1 1 1 1 1 1 1 1 1	NONELAS NONELAS NONELAS NONELAS NONELAS NONELAS NONELAS NONELAS NONELAS NONELAS NONELAS NONELAS

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

319

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
40-ZR-NAT	1.42+01 1.42+01	1	NONELAS
47-AG-NAT	1.42+01 1.42+01	1	NONELAS
48-CD-NAT	1.42+01 1.42+01	1	NONELAS
50-SN-NAT	1.42+01 1.42+01	1	NONELAS
51-SB-NAT	1.42+01 1.42+01	1	NONELAS
74-W -NAT	1.42+01 1.42+01	1	NONELAS
79-AU-197	1.42+01 1.42+01	1	NONELAS
80-HG-NAT	1.42+01 1.42+01	1	NONELAS
82-PB-NAT	1.42+01 1.42+01	1	NONELAS
83-BI-209	1.42+01 1.42+01	1	NONELAS

320 PHYS. REV. 108, 1028 (1957) H.S.HANS, S.C.SNOWDON
(BARTOL RESEARCH FOUNDATION)

40-ZR-NAT	3.66+00 3.66+00	1	TOTAL
40-ZR-NAT	3.66+00 3.66+00	18	ELASTIC D(A)
42-MO-NAT	3.66+00 3.66+00	1	ELASTIC
42-MO-NAT	3.66+00 3.66+00	1	NONELAS
42-MO-NAT	3.66+00 3.66+00	16	ELASTIC D(A)

321 PHYS. REV. 109, 425 (1958) J.A.GRUNDL, R.L.HENKEL,
B.L.PERKINS (LASL)
ACTIVATION - NORMALIZED TO U238 FISSION, VALUES USED FOR
NORMALIZING GIVEN IN TEXT

13-AL-27	5.73+00 9.01+00	6	N.A
15-P -31	1.59+00 1.41+01	20	N.P

322 PHYS. REV. 109, 891 (1958) J.E.HILLS, JR., J.K.BAIR, H.O.COHN,
H.B.WILLARD (ORNL)
DATA TABULATION FROM BNL SIGMA CENTER TRANSMISSION OF C AND
TEFLON. DIFFERENTIAL ELASTIC MEASURED USING PARAFFIN SHADOW
CONE AND PROPANE RECOIL COUNTER. MULTIPLE SCATTERING
CORRECTION MADE. RESOLUTION WAS 3.3 KEV AT 590 KEV.

6-C -NAT	2.04+00 2.11+00	23	TOTAL
6-C -NAT	1.45+01 4.10+00	107	ELASTIC D(A)
6-C -12	2.07+00 3.67+00	9	RES.PARAM.
9-F -19	4.00+01 4.87+00	229	TOTAL
9-F -19	6.60+01 2.92+00	40	ELASTIC D(A)
16-S -32	5.80+01 5.92+01	12	TO

323 J. EXPTL. THEORET. PHYS. (USSR) 45, 305 (1963)
V.N.LEVKOVSKI (USSR)
ACTIVATION

16-S -32	1.40+01 1.40+01	1	N.P
17-CL-35	1.40+01 1.40+01	1	N.A
20-CA-42	1.40+01 1.40+01	1	N.P
20-CA-44	1.40+01 1.40+01	1	N.P
30-ZN-64	1.40+01 1.40+01	1	N.P
30-ZN-66	1.40+01 1.40+01	1	N.P
30-ZN-67	1.40+01 1.40+01	1	N.P
38-SR-86	1.40+01 1.40+01	1	N.P
38-SR-88	1.40+01 1.40+01	1	N.P
40-ZR-90	1.40+01 1.40+01	1	N.P
40-ZR-91	1.40+01 1.40+01	1	N.P
40-ZR-92	1.40+01 1.40+01	1	N.P
40-ZR-94	1.40+01 1.40+01	1	N.P
40-ZR-94	1.40+01 1.40+01	1	N.A
40-ZR-96	1.40+01 1.40+01	1	N.A
48-CD-111	1.40+01 1.40+01	1	N.P
48-CD-112	1.40+01 1.40+01	1	N.P
48-CD-112	1.40+01 1.40+01	1	N.A
48-CD-113	1.40+01 1.40+01	1	N.P
48-CD-114	1.40+01 1.40+01	1	N.A
56-BA-138	1.40+01 1.40+01	1	N.P

324 PHYS. REV. 109, 1258 (1958) J.P.CONNER (LASL)

6-C -NAT	1.31+01 1.56+01	6	TOTAL
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REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

324 TRANSMISSION. NO MULTIPLE SCATTERING CORRECTION

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
20-CA-NAT	1.31+01 1.56+01	6 TOTAL
22-TI-NAT	1.31+01 1.56+01	6 TOTAL
56-BA-NAT	1.31+01 1.56+01	3 TOTAL
57-LA-NAT	1.45+01 1.56+01	3 TOTAL
57-LA-139	1.31+01 1.41+01	3 TOTAL
58-CE-NAT	1.31+01 1.56+01	3 TOTAL
60-ND-NAT	1.31+01 1.56+01	3 TOTAL
62-SM-NAT	1.31+01 1.56+01	3 TOTAL
64-GD-NAT	1.31+01 1.56+01	3 TOTAL
68-ER-NAT	1.31+01 1.56+01	3 TOTAL
73-TA-NAT	1.31+01 1.56+01	6 TOTAL
79-AU-197	1.2+01 1.56+01	6 TOTAL
82-PB-NAT	1.31+01 1.56+01	6 TOTAL

325 PHYS. REV. 109, 1620 (1959) R.C.BLOCK, W.HAEBERLI, H.W.NEWSOM
(DUKE U.)
NEUTRON ENERGY SPREAD WAS ABOUT 10 KEV.

9-F -19	5.00-02 1.10-01	26 ELASTIC D(A)
9-F -19	2.70-02 9.90-02	9 RES.PARAM.
11-YA-23	5.20-02 9.00-02	20 ELASTIC D(A)
11-NA-23	5.30-02 5.30-02	2 RES.PARAM.
12-MG-NAT	7.00-02 1.01-01	15 ELASTIC D(A)
12-MG-NAT	8.50-02 8.50-02	2 RES.PARAM.
13-AL-27	7.00-02 1.14-01	26 ELASTIC D(A)
13-AL-27	8.80-02 8.80-02	3 RES.PARAM.
19-K -NAT	5.00-02 8.50-02	28 ELASTIC D(A)
23-V -NAT	3.00-02 1.15-01	52 ELASTIC D(A)
24-CR-NAT	5.00-02 1.15-01	22 ELASTIC
24-CR-NAT	3.00-02 1.15-01	56 ELASTIC D(A)
30-ZN-NAT	1.00-02 9.70-02	7 ELASTIC
30-ZN-NAT	5.50-02 1.04-01	14 ELASTIC D(A)
33-AS-75	5.50-02 1.04-01	14 ELASTIC D(A)
34-SE-NAT	4.00-02 1.05-01	14 ELASTIC
34-SE-NAT	4.00-02 1.05-01	28 ELASTIC D(A)
38-SR-NAT	5.50-02 9.70-02	5 ELASTIC
38-SR-NAT	5.50-02 9.70-02	12 ELASTIC D(A)
40-ZR-NAT	5.50-02 1.11-01	8 ELASTIC
40-ZR-NAT	5.50-02 1.11-01	16 ELASTIC D(A)
41-NB-93	5.50-02 9.70-02	12 ELASTIC D(A)
42-MO-NAT	5.50-02 1.03-01	7 ELASTIC
42-MO-NAT	5.50-02 1.04-01	14 ELASTIC D(A)
47-AG-NAT	5.50-02 1.03-01	7 ELASTIC
47-AG-NAT	5.50-02 1.04-01	14 ELASTIC D(A)
48-CD-NAT	5.50-02 1.03-01	7 ELASTIC
48-CD-NAT	5.50-02 1.04-01	14 ELASTIC D(A)

326 PHYS. REV. 109, 2031 (1959) J.TERRELL, D.M.HOLM (LASL)

26-FE-54	1.56+01 1.78+01	2 N,2N
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327 ANL-4174 (1948)
PHYSICS DIVISION QUARTERLY REPORT, ARGONNE NATIONAL
LABORATORY

54-XE-136	1.00+00 1.00+00	1 N,G
57-LA-139	1.00+00 1.00+00	1 N,G
59-PR-141	1.00+00 1.00+00	1 N,G

328 CAN. J. PHYS. 38, 751 (1960) T.A.EASTWOOD, R.D.WERNER
(CHALK R.)
IRRADIATION IN THE NRX REACTOR. RELATIVE TO CO

91-PA-233	2.50-08 2.50-08	1 N,G	SPECT.AV.
91-PA-233	2.50-08 2.50-08	1 N,G	SPECT.AV.
91-PA-233	5.00-07 1.50+01	1 N,G	RES.INT.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
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REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
328 THERMAL CROSS SECTION OF 36.65 BARNs AND R1 OF 75 BARNs	91-PA-233	5.00-07 1.50+01	1 N.G	RES.INT.
329 PRIVATE COMMUNICATION (1984) S.R.SALISBURY (LOCKHEED) VIA BNL SIGMA CENTER 1/65. TRANSMISSION	8-O -18	2.45+00 1.90+01	138 TOTAL	
330 J. PHYSIQUE 24, 826 (1963) J.L.LEROY, F.C.BERTHELOT, E.POMELAS (C.E.N. SACLAY) TIME OF FLIGHT	11-NA-23 90-TH-232 92-U -NAT	1.87+00 1.44+01 1.98+00 1.44+01 1.61+00 1.44+01	59 TOTAL 55 TOTAL 74 TOTAL	
331 WASH-910 (1957) UNPUBLISHED LASL DATA	4-BE-9 6-C -NAT	1.42+01 1.42+01 1.42+01 1.42+01	1 ELASTIC 1 ELASTIC	
332 WASH-78 (1952) UNPUBLISHED LASL DATA. SEE ALSO REFERENCE 81	33-AS-75	1.40+01 1.40+01	1 TOTAL	
333 J. NUCLEAR ENERGY, PART A, 11, 95 (1960) F.J.JOHNSTON, J.HALPERIN, R.W.STOUGHTON (ORNL) ACTIVATION MEASUREMENTS. RELATIVE TO AU R1 OF 1565 BARNs	27-CO-59 90-TH-232 90-TH-233 90-TH-233	5.00-07 1.50+01 5.00-07 1.50+01 2.50-08 2.50-08 5.00-07 1.50+01	1 N.G 1 N.G 1 N.G 1 N.G	RES.INT. RES.INT. SPECT.AV. RES.INT.
334 TID-5223 (PART 2) PAGE 617 (1952) Q.VAN WINKLE (ANL) ACTIVATION TECHNIQUE IN HEAVY WATER AND GRAPHITE PILES. RELATIVE TO U232 HALF-LIFE OF 70 YRS.	91-PA-231	2.50-08 2.50-08	2 N.G	SPECT.AV.
335 PRIVATE COMMUNICATION (1984) J.H.GIBBONS (ORNL) VIA BNL SIGMA CENTER 1/65 BULL. AM. PHYS. SOC. 9, 473 (1964) J.A.BIGGERSSTAFF, J.H.GIBBONS, W.H.GOOD, F.A.MACKLIN, P.J.PASHA TRANSMISSION. TIME OF FLIGHT	16-S -NAT	2.00-02 4.00-02	128 TOTAL	
336 PROC. PHYS. SOC. (LONDON) 64, 388 (1951) G.H.STAFFORD (CAMBRIDGE) TRANSMISSION	4-BE-9 13-AL-27 16-S -NAT 82-PB-NAT	2.00+00 5.96+00 2.00+00 5.94+00 2.00+00 5.80+00 2.00+00 5.88+00	16 TOTAL 28 TOTAL 21 TOTAL 15 TOTAL	
337 TID-7547 P.39 (1957) P.HUBERT, R.JOLY, C.SIGNARBIEX (SACLAY) TRANSMISSION MEASUREMENTS UTILIZING A SLOW CHOPPER AND A CRYSTAL SPECTROMETER	60-ND-143 90-TH-232	-1.50-06-1.50-06 2.53-08 2.53-08	1 RES.PARAM. 1 N.G	
338 LA-2111 (1957) L.ROSEN, L.STEWART (LASL) NUCLEAR EMULSION AND SPHERE TRANSMISSION. OLDER LASL DATA ALSO PRESENTED HERE (UNPUBLISHED AND ALSO LA-1532 (1953)). BE. TA. 61 RESULTS PUBLISHED IN REFERENCE 162. LA-1532 (1953)	73-TA-181 92-U -238 92-U -238 92-U -238 92-U -238 92-U -238 92-U -238 92-U -238	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	1 N.3N 1 N.N'EMS 1 N.N' 1 N.2N 1 N.3N 31 EMISS D1E) 9 N.N'EMS E1-E2,D(A)	
339 ATOMNAYA ENERGIYA 2, 22 (1957) G.O.MYASISHCHEVA, M.P.ANIKINA, L.L.GOLDIN, B.V.ERSHLER (USSR) ACTIVATION ANALYSIS. RELATIVE TO AU R1 (GREATER THAN 1/V) OF 1513 BARNs AND EFFECTIVE CROSS SECTIONS OF 98.6 BARNs. TH R1	49-IN-115 49-IN-115 90-TH-232 90-TH-232	2.50-08 2.50-08 5.00-07 1.50+01 2.50-08 2.50-08 5.00-07 1.50+01	1 N.G 1 N.G 1 N.G 1 N.G	SPECT.AV. RES.INT. SPECT.AV. RES.INT.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1	0.05-0.1	10	100% 100% 100% 100% 100% 100% 100% 100% 100% 100%
2	0.1-0.2	10	100% 100% 100% 100% 100% 100% 100% 100% 100% 100%
3	0.2-0.3	10	100% 100% 100% 100% 100% 100% 100% 100% 100% 100%
4	0.3-0.4	10	100% 100% 100% 100% 100% 100% 100% 100% 100% 100%
5	0.4-0.5	10	100% 100% 100% 100% 100% 100% 100% 100% 100% 100%
6	0.5-0.6	10	100% 100% 100% 100% 100% 100% 100% 100% 100% 100%
7	0.6-0.7	10	100% 100% 100% 100% 100% 100% 100% 100% 100% 100%
8	0.7-0.8	10	100% 100% 100% 100% 100% 100% 100% 100% 100% 100%
9	0.8-0.9	10	100% 100% 100% 100% 100% 100% 100% 100% 100% 100%
10	0.9-1.0	10	100% 100% 100% 100% 100% 100% 100% 100% 100% 100%

12 N.2H
12 N.2N

1 TOTAL

12-MO-20	2.50-08	2.50-08	1 N,0	SPECT. AV.
12-MO-25	2.50-08	2.50-08	1 N,0	SPECT. AV.
12-MO-26	2.50-08	2.50-08	1 N,0	SPECT. AV.
14-SI-28	2.50-08	2.50-08	1 N,0	SPECT. AV.
14-SI-29	2.50-08	2.50-08	1 N,0	SPECT. AV.
14-SI-30	2.50-08	2.50-08	1 N,0	SPECT. AV.
19-K -39	2.50-08	2.50-08	1 N,0	SPECT. AV.
19-K -40	2.50-08	2.50-08	1 N,0	SPECT. AV.
19-K -41	2.52-08	2.50-08	1 N,0	SPECT. AV.
20-CA-40	2.50-08	2.50-08	1 N,0	SPECT. AV.
20-CA-42	2.50-08	2.50-08	1 N,0	SPECT. AV.
22-TI-46	2.50-08	2.50-08	1 N,0	SPECT. AV.
22-TI-47	2.50-08	2.50-08	1 N,0	SPECT. AV.
22-TI-48	2.50-08	2.50-08	1 N,0	SPECT. AV.
22-TI-49	2.50-08	2.50-08	1 N,0	SPECT. AV.
24-CR-50	2.50-08	2.50-08	1 N,0	SPECT. AV.
24-CR-52	2.50-08	2.50-08	1 N,0	SPECT. AV.
24-CR-53	2.50-08	2.50-08	1 N,0	SPECT. AV.
26-FE-54	2.50-08	2.50-08	1 N,0	SPECT. AV.
26-FE-56	2.50-08	2.50-08	1 N,0	SPECT. AV.
26-FE-57	2.50-08	2.50-08	1 N,0	SPECT. AV.
26-FE-58	2.50-08	2.50-08	1 N,0	SPECT. AV.
28-NI-58	2.50-08	2.50-08	1 N,0	SPECT. AV.
28-NI-60	2.50-08	2.50-08	1 N,0	SPECT. AV.
28-NI-61	2.50-08	2.50-08	1 N,0	SPECT. AV.
28-NI-62	2.50-08	2.50-08	1 N,0	SPECT. AV.
29-CU-53	2.50-08	2.50-08	1 N,0	SPECT. AV.
29-CU-65	2.50-08	2.50-08	1 N,0	SPECT. AV.
31-GA-69	2.50-08	2.50-08	1 N,0	SPECT. AV.
31-GA-71	2.50-08	2.50-08	1 N,0	SPECT. AV.
32-GE-70	2.50-08	2.50-08	1 N,0	SPECT. AV.
32-GE-72	2.50-08	2.50-08	1 N,0	SPECT. AV.
32-GE-73	2.50-08	2.50-08	1 N,0	SPECT. AV.
32-GE-74	2.50-08	2.50-08	1 N,0	SPECT. AV.
32-GE-76	2.50-08	2.50-08	1 N,0	SPECT. AV.
34-SE-74	2.50-08	2.50-08	1 N,0	SPECT. AV.
34-SE-76	2.50-08	2.50-08	1 N,0	SPECT. AV.
34-SE-77	2.50-08	2.50-08	1 N,0	SPECT. AV.
34-SE-78	2.50-08	2.50-08	1 N,0	SPECT. AV.

REF. NO. - 342

REF BIBLIOGRAPHY

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

34-SE-80	2.50-08	2.50-08	1	N.G	SPECT.AV.
34-SE-82	2.50-08	2.50-08	1	N.G	SPECT.AV.
40-SE-30	2.50-08	2.50-08	1	N.G	SPECT.AV.
40-SE-31	2.50-08	2.50-08	1	N.G	SPECT.AV.
40-SE-32	2.50-08	2.50-08	1	N.G	SPECT.AV.
40-SE-34	2.50-08	2.50-08	1	N.G	SPECT.AV.
40-SE-36	2.50-08	2.50-08	1	N.G	SPECT.AV.
42-ND-85	2.50-08	2.50-08	1	N.G	SPECT.AV.
42-ND-86	2.50-08	2.50-08	1	N.G	SPECT.AV.
42-ND-87	2.50-08	2.50-08	1	N.G	SPECT.AV.
42-ND-88	2.50-08	2.50-08	1	N.G	SPECT.AV.
42-ND-100	2.50-08	2.50-08	1	N.G	SPECT.AV.
47-AG-107	2.50-08	2.50-08	1	N.G	SPECT.AV.
47-AG-109	2.50-08	2.50-08	1	N.G	SPECT.AV.
51-SE-121	2.50-08	2.50-08	1	N.G	SPECT.AV.
51-SE-123	2.50-08	2.50-08	1	N.G	SPECT.AV.
52-TE-120	2.50-08	2.50-08	1	N.G	SPECT.AV.
52-TE-122	2.50-08	2.50-08	1	N.G	SPECT.AV.
52-TE-123	2.50-08	2.50-08	1	N.G	SPECT.AV.
52-TE-124	2.50-08	2.50-08	1	N.G	SPECT.AV.
52-TE-125	2.50-08	2.50-08	1	N.G	SPECT.AV.
52-TE-126	2.50-08	2.50-08	1	N.G	SPECT.AV.
52-TE-128	2.50-08	2.50-08	1	N.G	SPECT.AV.
52-TE-130	2.50-08	2.50-08	1	N.G	SPECT.AV.
58-BA-134	2.50-08	2.50-08	1	N.G	SPECT.AV.
58-BA-135	2.50-08	2.50-08	1	N.G	SPECT.AV.
58-BA-136	2.50-08	2.50-08	1	N.G	SPECT.AV.
58-BA-137	2.50-08	2.50-08	1	N.G	SPECT.AV.
58-BA-138	2.50-08	2.50-08	1	N.G	SPECT.AV.
58-SE-135	2.50-08	2.50-08	1	N.G	SPECT.AV.
58-SE-138	2.50-08	2.50-08	1	N.G	SPECT.AV.
58-SE-140	2.50-08	2.50-08	1	N.G	SPECT.AV.
58-SE-142	2.50-08	2.50-08	1	N.G	SPECT.AV.
60-ND-142	2.50-08	2.50-08	1	N.G	SPECT.AV.
60-ND-143	2.50-08	2.50-08	1	N.G	SPECT.AV.
60-ND-144	2.50-08	2.50-08	1	N.G	SPECT.AV.
60-ND-145	2.50-08	2.50-08	1	N.G	SPECT.AV.
60-ND-146	2.50-08	2.50-08	1	N.G	SPECT.AV.
60-ND-148	2.50-08	2.50-08	1	N.G	SPECT.AV.
60-ND-150	2.50-08	2.50-08	1	N.G	SPECT.AV.
72-HF-174	2.50-08	2.50-08	1	N.G	SPECT.AV.
72-HF-176	2.50-08	2.50-08	1	N.G	SPECT.AV.
72-HF-177	2.50-08	2.50-08	1	N.G	SPECT.AV.
72-HF-178	2.50-08	2.50-08	1	N.G	SPECT.AV.
72-HF-179	2.50-08	2.50-08	1	N.G	SPECT.AV.
72-HF-180	2.50-08	2.50-08	1	N.G	SPECT.AV.
74-W-180	2.50-08	2.50-08	1	N.G	SPECT.AV.
74-W-182	2.50-08	2.50-08	1	N.G	SPECT.AV.
74-W-183	2.50-08	2.50-08	1	N.G	SPECT.AV.
74-W-184	2.50-08	2.50-08	1	N.G	SPECT.AV.
74-W-185	2.50-08	2.50-08	1	N.G	SPECT.AV.
75-RE-185	2.50-08	2.50-08	1	N.G	SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF. NO. = 342

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
342	75-RE-187	2.50-08 2.50-08	1 N,G	SPECT.AV.
	81-TL-203	2.50-08 2.50-08	1 N,G	SPECT.AV.
	81-TL-205	2.50-08 2.50-08	1 N,G	SPECT.AV.
	82-PB-204	2.50-08 2.50-08	1 N,G	SPECT.AV.
	82-PB-206	2.50-08 2.50-08	1 N,G	SPECT.AV.
	82-PB-207	2.50-08 2.50-08	1 N,G	SPECT.AV.
	90-TH-232	2.50-08 2.50-08	1 N,G	SPECT.AV.
343 PHYS. REV. 96, 115 (1954) P.HILLMAN, R.H.STAHL, N.F.RAMSEY (HARVARD) TRANSMISSION	1-H -1	9.80+01 8.80+01	1 TOTAL	
	2-HE-NAT	4.75+01 8.80+01	2 TOTAL	
	6-C -NAT	4.75+01 8.80+01	2 TOTAL	
	7-N -NAT	4.75+01 8.80+01	2 TOTAL	
	8-O -NAT	4.75+01 8.80+01	2 TOTAL	
	13-AL-27	4.75+01 8.80+01	2 TOTAL	
	18-AR-NAT	4.75+01 8.80+01	2 TOTAL	
	29-CU-NAT	4.75+01 8.80+01	2 TOTAL	
	82-PB-NAT	4.75+01 8.80+01	2 TOTAL	
344 GA-3069 (1962) J.B.SAMPSON (GA) CD RATIO TECHNIQUE FOR V AND VANADIUM SUBTRACTION METHOD FOR U238, MN55 AND TH232. THESE LATTER THREE MEASUREMENTS RELATIVE TO RI (ABOVE 1/V) OF 1526 BARNS AND 2200 M/SEC CROSS K.P.NICHOLSON SUTIONS TO THE RI OF 2., 6.6 AND 2.5 BARNS, RESPECTIVELY FOR U238, MN55 AND TH232	23-V -NAT	5.20-07 1.50+01	1 N,G	RES.INT.
	25-MN-55	5.20-07 1.50+01	1 N,G	RES.INT.
	90-TH-232	5.20-07 1.50+01	1 N,G	RES.INT.
	92-U -238	5.20-07 1.50+01	1 N,G	RES.INT.
345 LA-1495 (1952) L.CRANBERG, R.B.DAY, W.HAWKINS, R.L.HENKEL, G.A.JARVIS, N.H.LAZAR, R.A.NOBLER, J.E.PERRY, JR., R.K.SMITH, M.WALT (LASL). SEE OUR REF. 18 FOR RENORMALIZATION OF DATA DUE TO BETTER LONG COUNTER EFFICIENCY. DATA OBTAINED FROM BNL SIGMA CENTER SEE ALSO LA-2122 (1957) R.L.HENKEL	93-NP-237	4.60-01 1.40+01	52 N,FISS	
346 NUCLEAR PHYS. 5, 211 (1958) R.A.NOBLER, R.B.LEACHMAN (LASL)	88-RA-226	2.00+00 1.41+01	8 N,FISS	
347 NUCLEAR PHYS. 5, 351 (1958) C.P.SIKKEWA, P.J.PASMA, H.H.VAN BARNEVELD (GRONINGEN) PROPORTIONAL COUNTER	10-NE-22	1.89+00 3.54+00	71 TOTAL	
	10-NE-22	1.90+00 3.43+00	82 EMISS	D(A)
	10-NE-22	2.01+00 3.43+00	15 RES.PARAM.	
348 NUCLEAR PHYS. 5, 603 (1958) J.E.LYNN, F.W.K.FIRK, M.C.MOXON (HARWELL) TRANSMISSION. LINAC. RESOLUTION WAS 61 EV AT 2850 EV.	11-NA-23	5.90-04 1.90-02	64 TOTAL	
	11-NA-23	2.85-03 2.85-03	3 RES.PARAM.	
349 NUCLEAR PHYS. 6, 260 (1958) J.F.VERVIER, A.MARTEGANI (LOUVAIN) PHYS. REV. 109, 947 (1958) GOOD GEOMETRY TRANSMISSION	6-C -NAT	1.37+01 1.47+01	19 TOTAL	
	12-MG-NAT	1.37+01 1.47+01	19 TOTAL	
	13-AL-27	1.37+01 1.47+01	20 TOTAL	
	26-FE-NAT	1.37+01 1.47+01	19 TOTAL	
	29-CU-NAT	1.37+01 1.47+01	20 TOTAL	
	82-PB-NAT	1.37+01 1.47+01	19 TOTAL	
	92-U -NAT	1.36+01 1.47+01	22 TOTAL	

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION	
350 DOKLADY AKAD. NAUK S.S.S.R. 113, 537 (1957) B.G.DZANTIEV, V.N.LEVKOVSKI, A.D.MALIEVSKI (USSR)	47-AG-109 48-CD-112 48-CD-114 48-CD-114	1.40+01 1.40+01 1.40+01 1.40+01	1 1 1 1	N,P N,A N,A N,A	
351 DOKLADY AKAD. NAUK S.S.S.R. 113, 1032 (1957) V.N.LEVKOVSKI (USSR)	48-CD-106 48-CD-112 48-CD-113	1.40+01 1.40+01 1.40+01	1 1 1	N,P N,P N,P	
352 PRIVATE COMMUNICATION (1958) R.K.SMITH, R.L.MENKEL, R.A.NOBLIS (LASL) BULL. AM. PHYS. SOC. 2, 196 (1957) PRIVATE COMMUNICATION (1961) R.K.SMITH U25 AND U28 CROSS SECTIONS CORRECTED FOR SCATTERING AND RENORMALIZED BY R.K.SMITH (1968). ORIGINAL PU239 MEASUREMENT WAS RATIO TO U235 WE HAVE RENORMALIZED PU239 TO CURRENT U235 VALUES OF THESE AUTHORS. ENERGIES RENORMALIZED AS PER PRIVATE COMMUNICATION (1972) R.K.SMITH	92-U -233 92-U -235 92-U -238 94-PU-239	2.00+00 2.22+00 1.00+00 2.00+00	19 27 44 26	N,FISS N,FISS N,FISS N,FISS	
353 J. EXPTL. THEORET. PHYS. (USSR) 30, 1017 (1956) KH.R.POZE, N.P.GLAZKOV (USSR) SPHERE TRANSMISSION	11-NA-23 13-AL-27 26-FE-NAT 29-CU-NAT 48-CD-NAT 50-SN-NAT 51-SB-NAT 74-W -NAT 80-HG-NAT 82-PB-NAT 92-U -NAT	1.02+00 1.02+00 1.02+00 1.02+00 1.70-01 1.02+00 1.02+00 1.70-01 2.90-01 2.90-01 1.02+00 2.90-01	1 1 1 1 2 1 2 3 3 1 3	NONELAS NONELAS NONELAS NONELAS NONELAS NONELAS NONELAS NONELAS NONELAS NONELAS NONELAS	
354 PRIVATE COMMUNICATION (1958) W.L.IMHOF, F.J.VAUGHN, R.G.JOHNSON, M.WALT (LOCKHEED) PHYS. REV. 114, 1137 (1959) ACTIVATION. NORMALIZED TO 116(N,ALPHA) AND 1127(N,GAMMA)	3-LI-7 3-LI-7 3-LI-7	3.70-02 2.53-08 2.50-01	9.95-01 2.53-08 2.50-01	14 1 1	N,G N,G RES.PARAM.
355 PHIL. MAG. 44, 95 (1953) A.E.TAYLOR, E.WOOD (AERE HARKELL) TRANSMISSION	1-H -1 6-C -NAT 13-AL-27 29-CU-NAT 47-AG-NAT 48-CD-NAT 82-PB-NAT	3.80+01 3.70+01 3.00+01 3.00+01 3.00+01 3.00+01 3.70+01	1.53+02 1.53+02 1.53+02 1.53+02 1.39+02 1.39+02 1.53+02	5 11 9 10 11 11 14	TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL
355 PHYS. REV. 111, 1155 (1958) M.H.MAC GREGOR, W.P.BALL, R.BOOOTH (LRL LIVERMORE) SPHERE TRANSMISSION. CORRECTION FOR MULTIPLE SCATTERING	4-BE-9 6-C -NAT 12-MG-NAT 13-AL-27 22-TI-NAT 26-FE-NAT 29-CU-NAT 40-ZR-NAT	2.55+01 2.10+01 2.10+01 2.55+01 2.55+01 2.55+01 2.10+01 2.55+01	2.55+01 2.92+01 2.92+01 2.55+01 2.55+01 2.55+01 2.92+01 2.55+01	1 3 3 1 1 1 3 1	NONELAS NONELAS NONELAS NONELAS NONELAS NONELAS NONELAS NONELAS

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

[illegible]

REF BIBLIOGRAPHY

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TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
24-CR-50	1.40+01 1.40+01	1	N,P
24-CR-52	1.40+01 1.40+01	1	N,P
24-CR-53	1.40+01 1.40+01	1	N,P
25-MN-56	1.40+01 1.40+01	1	N,P
26-FE-54	1.40+01 1.40+01	1	N,N,P
26-FE-54	1.40+01 1.40+01	1	N,P
26-FE-56	1.40+01 1.40+01	1	N,N,P
26-FE-57	1.40+01 1.40+01	1	N,P
27-CO-59	1.40+01 1.40+01	1	N,P
28-NI-58	1.40+01 1.40+01	1	N,N,P
28-NI-58	1.40+01 1.40+01	1	N,P
28-NI-50	1.40+01 1.40+01	1	N,N,P
28-NI-60	1.40+01 1.40+01	1	N,P
29-CU-63	1.40+01 1.40+01	1	N,N,P
29-CU-63	1.40+01 1.40+01	1	N,P
30-ZN-64	1.40+01 1.40+01	1	N,N,P
30-ZN-64	1.40+01 1.40+01	1	N,P
30-ZN-66	1.40+01 1.40+01	1	N,N,P
30-ZN-66	1.40+01 1.40+01	1	N,P
30-ZN-67	1.40+01 1.40+01	1	N,P
38-SR-NAT	1.40+01 1.40+01	1	N,P
40-ZR-NAT	1.40+01 1.40+01	1	N,P
42-MO-NAT	1.40+01 1.40+01	1	N,P
48-CD-NAT	1.40+01 1.40+01	1	N,P
49-IN-NAT	1.40+01 1.40+01	1	N,P
50-SN-NAT	1.40+01 1.40+01	1	N,P
51-SB-NAT	1.40+01 1.40+01	1	N,P
52-TE-NAT	1.40+01 1.40+01	1	N,P
53-I-127	1.40+01 1.40+01	1	N,P

362 ORNL-3268 P.47 (1962) J.R.PATTERSON, J.A.HARVEY (ORNL)
FAST CHOPPER. AREA AND SHAPE ANALYSIS. AREA ANALYSIS BASED ON
GAMMA-GAMMA OF 0.045 EV. RESOLUTION WAS 1.5 PERCENT BELOW
50 EV AND 0.3 PERCENT ABOVE THIS ENERGY

91-PA-231	0.	1.25-05	2	AV.RES.PARAM.
91-PA-231	4.00-07	9.90-05	123	RES.PARAM.

363 A/CONF. 15, 50 (1958) A.I.LEIPUNSKY, O.D.KAZACHKOVSKY,
G.Y.ARTYUKOV, A.I.BARYSHNIKOV, T.S.BELANOVA, V.I.GALKOV,
YU.YA.STAVISKII, E.A.STUMBUR, L.E.SHERMAN
SEE REFERENCE 43 FOR 21 KEV CROSS SECTIONS, BOTH ACTIVATION
AND GAMMA-GAMMA COINCIDENCE MEASUREMENTS

11-NA-23	2.00-01	2.00-01	1	N,G	
11-NA-23	2.00+00	2.00+00	1	N,G	SPECT.AV.
12-MG-26	2.00-01	4.00+00	3	N,G	
13-AL-27	2.00-01	2.00-01	1	N,G	
13-AL-27	2.00+00	2.00+00	1	N,G	SPECT.AV.
14-SI-30	2.00-01	4.00+00	3	N,G	
17-CL-37	2.00-01	4.00+00	3	N,G	
23-V-51	2.00-01	4.00+00	3	N,G	
25-MN-55	2.00-01	4.00-00	4	N,G	
25-MN-55	2.00-00	2.00+00	1	N,G	SPECT.AV.
28-NI-64	2.00-01	4.00+00	2	N,G	
29-CU-NAT	2.00-01	2.00-01	1	N,G	
29-CU-65	2.00-01	4.00+00	3	N,G	
29-CU-65	2.00+00	2.00+00	1	N,G	SPECT.AV.
30-ZN-NAT	2.00-01	2.00-01	1	N,G	
30-ZN-68	2.00-01	2.00-01	1	N,G	
34-SE-NAT	2.00-01	2.00-01	1	N,G	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
35-BR-NAT	2.00-01 2.00-01	1 N.G	
35-BR-79	2.00-01 4.00+00	3 N.G	
40-ZR-95	2.00+00 2.00+00	1 N.G	SPECT.AV.
42-MO-NAT	2.00-01 2.00-01	1 N.G	
42-MO-100	2.00-01 4.00+00	3 N.G	
42-MO-100	2.00+00 2.00+00	1 N.G	SPECT.AV.
47-AG-NAT	2.00-01 2.00-01	1 N.G	
47-AG-107	2.00-01 4.00+00	3 N.G	
47-AG-109	2.00+00 2.00+00	1 N.G	SPECT.AV.
48-CO-NAT	2.00-01 2.00-01	1 N.G	
49-IN-115	2.00-01 4.00+00	3 N.G	
50-SN-NAT	2.00-01 2.00-01	1 N.G	
51-SB-NAT	2.00-01 2.00-01	1 N.G	
53-I -127	2.70+00 4.00+00	2 N.G	
56-BA-138	2.00-01 4.00+00	3 N.G	
73-TA-NAT	2.00-01 2.00-01	1 N.G	
73-TA-181	2.00-01 2.00-01	1 N.G	
74-W -NAT	2.00-01 2.00-01	1 N.G	
74-W -186	2.00-01 2.00-01	1 N.G	
78-PT-198	2.00+00 2.00+00	1 N.G	SPECT.AV.
79-AU-197	2.00-01 2.00-01	1 N.G	
80-HG-NAT	2.00-01 2.00-01	1 N.G	
82-PB-208	2.00-01 4.00+00	2 N.G	
82-PB-208	2.00+00 2.00+00	1 N.G	SPECT.AV.
83-BI-209	2.00+00 2.00+00	1 N.G	SPECT.AV.
90-TH-232	2.00-01 2.00-01	2 N.G	
92-U -238	2.00-01 4.00+00	3 N.G	
92-U -238	2.00+00 2.00+00	1 N.G	SPECT.AV.

364 J. EXPTL. THEORET. PHYS. (USSR) 34, 574 (1958)

T.S.BELANOVA (USSR)

SPHERE TRANSMISSION CORRECTED FOR INELASTIC WHERE NECESSARY

12-MG-NAT	2.50-02 8.30-01	3 ABSORP
13-AL-27	2.50-02 8.30-01	3 ABSORP
16-S -NAT	2.50-02 8.30-01	3 ABSORP
20-CA-NAT	2.50-02 8.30-01	3 ABSORP
24-CR-NAT	2.50-02 8.30-01	3 ABSORP
26-FE-NAT	2.50-02 8.30-01	3 ABSORP
28-NI-NAT	2.50-02 8.30-01	3 ABSORP
29-CU-NAT	2.40-02 8.30-01	3 ABSORP
30-ZN-NAT	2.40-02 8.30-01	3 ABSORP
34-SE-NAT	2.50-02 8.30-01	3 ABSORP
48-CO-NAT	2.40-02 8.30-01	3 ABSORP
50-SN-NAT	2.50-02 8.30-01	3 ABSORP
51-SB-NAT	2.50-02 8.30-01	3 ABSORP
53-I -127	2.50-02 8.30-01	3 ABSORP
74-W -NAT	2.50-02 8.30-01	3 ABSORP
80-HG-NAT	2.50-02 8.30-01	3 ABSORP
82-PB-NAT	2.50-02 8.20-01	2 ABSORP
90-TH-232	2.50-02 8.30-01	3 ABSORP
92-U -238	2.50-02 8.30-01	3 ABSORP

365 PHYS. REV. 80, 1098 (1950) B.G.HARVEY, B.I.PARSONS (CHALK R.)

ACTIVATION ANALYSIS. VALUE QUOTED HERE IS AVERAGE OF TWO
IRRADIATIONS

90-TH-234	2.50-08 2.50-08	1 N.G	SPECT.AV.
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REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
366	PHYS. REV. 98, 223 (1955) L.M.BOLLINGER, D.A.DAHLBERG, R.E.COTE, H.E.JACKSON, G.E.THCMA5 (ANL) CHOPPER. DATA OBTAINED FROM BNL SIGMA CENTER. SEE REFERENCE 1247 FOR U238 DATA	90-TH-232	9.70-06 2.33-03	283	TOTAL
367	DOKLADY AKAD. NAUK S.S.S.R. 113, 553 (1958) M.M.KHALETSKII (USSR)	6-C -NAT 13-AL-27 26-FE-NAT 50-SN-NAT 82-PR-NAT	1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01	16 18 15 19 17	ELASTIC D(A) ELASTIC D(A) ELASTIC D(A) ELASTIC D(A) ELASTIC D(A)
368	DOKLADY AKAD. NAUK S.S.S.R. 113, 305 (1957) M.M.KHALETSKII (USSR) TRANSMISSION	3-Li-NAT 4-BE-9 6-C -NAT 12-MG-NAT 13-AL-27 26-FE-NAT 29-CU-NAT 46-PD-NAT 48-CD-NAT 57-SN-NAT 82-PB-NAT 83-BI-209 92-U -NAT 95-AM-242	1.4+01 1.48+01 2.50-08 2.50-08	1 1 1 1 1 1 1 1 1 1 1 1 1 1	TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL N,FISS SPECT.AV.
369	NUCLEAR PHYS. 55, 517 (1964) O.D.JAMES (HARKWELL) AERE-M-1231 (1955) FISSION MEASUREMENT, LINAC AND BOOSTER SHAPE ANALYSIS TIME OF FLIGHT EXPERIMENT. MEASUREMENTS RELATIVE TO U235 FISSION CROSS SECTIONS. U235 FISSION YIELD NORMALIZED TO THE AREA UNDER THE FISSION CROSS SECTIONS, FROM 8.0 - 9.5 EV, THE VALUE BEING 189.5 B-EV (REF.406). CROSS SECTION DATA OBTAINED FROM BNL SIGMA CENTER. RESONANCE PARAMETERS DETERMINED BY SHAPE ANALYSIS ASSUMING GAMMA-GAMMA = 0.05 EV UP TO 27 EV, HE USED THE 200 N SEC/M CROSS SECTION IN THE VALLEYS THE 50 N SEC/M CROSS SECTION ON THE RESONANCE SLOPES AND THE 17.3 N SEC/M CROSS SECTION OVER THE RESONANCE PEAKS. BETWEEN 27 AND 99 EV. THEIR WAS NO 200 N SEC/M DATA AND THE 50 N SEC/M CROSS SECTION WAS ALSO USED IN THE VALLEYS. ABOVE 99 EV (BECAUSE OF LARGE STATISTICAL ERRORS) THE CROSS SECTION WAS ONLY KEPT ACROSS THE RESONANCES (69 N SEC/M AND 17.3 N SEC/M DATA).	92-U -232 92-U -232 92-U -232	3.69-05 2.60-04 0. 6.00-05 5.99-05 2.58-04	403 2 25	N,FISS AV.RES.PARAM. RES.PARAM.
370	ACHE-N/R-1147 (1953) P.A.EGELSTAFF (HARKWELL)	23-V -NAT 23-V -NAT 34-SL-NAT 34-SE-NAT 34-SE-NAT 34-SE-NAT 35-BR-NAT 35-BR-NAT 42-MO-NAT	2.53-08 2.53-08 0. 0. 1.10-09 0.80-08 2.53-08 2.53-08 0. 0. 0. 0. 2.53-08 2.53-08 0. 0. 2.53-08 2.53-08	1 1 64 1 1 1 1 1 1	ABSORP BOUND TOTAL ABSORP BOUND COHER ABSORP BOUND ABSORP
REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
370	42-MO-NAT 42-MO-NAT 72-HF-NAT 83-B1-209 83-B1-209	0. 0. 0. 0. 2.53-08 2.53-08 0. 0. 0. 0.	1 BOUND 1 COHERT 1 ABSORP 1 BOUND 1 COHERT
371 PRIVATE COMMUNICATION (1964) N.J.PATTENDEN (AERE) VIA BNL SIGMA CENTER	90-TH-232	1.52-05 2.89-04	822 TOTAL
372 NUCLEAR PHYS. 46, 141 (1963) J.CSIKAI, B.GYARMATI I.HUNYADI (DEBRECEN) ACTIVATION	13-AL-27 13-AL-27 13-AL-27	1.46+01 1.46+01 1.46+01 1.46+01 1.4+01 1.46+01	1 N.O 1 N.P 1 N.A
373 COMPT. RENO. 257, 659 (1963) C.CARLES (BORDEAUX) ACTIVATION. NORMALIZED TO CUG3 (N,2N) OF 503 MILLIBARNS	15-P -31 26-FE-54 35-BR-79 47-AG-107 51-SB-121	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 N,2N 1 N,2N 1 N,2N 1 N,2N 1 N,2N
374 NUCLEAR PHYS. 47, 157 (1963) J.M.F.JERONYMO, G.S.MANI, J.OLKOWSKY, A.SADEGHI, C.F.WILLIAMSON (SACLAY) ACTIVATION. ABSOLUTE GAMMA COUNTING EANDC(E)-49L PAGE 51 (1984) DATA CORRECTED AS PER PRIVATE COMMUNICATION OF JUNE 1969 FROM H.D.LEMMELE, IAEA, VIENNA	12-MG-NAT 13-AL-27 14-SI-2B 27-CO-59 27-CO-59 27-CO-59 27-CO-59 27-CO-59 28-NI-58 28-NI-58	1.25+01 2.10+01 1.25+01 2.10+01 1.25+01 2.10+01 1.35+01 2.10+01 1.35+01 2.10+01 1.25+01 2.10+01 1.25+01 2.10+01 1.25+01 2.10+01 1.25+01 2.10+01 1.35+01 2.10+01	8 ACTIVAT 8 N.A 8 N.P 7 N,2N 7 N.P 8 N.P 8 N.A 8 N,2N 7 N,P
375 CAN. J. CHEM. 41, 123 (1963) D.C.SANTRY, J.P.BUTLER (CHALK RIVER) ACTIVATION. 4P1 BETA COUNTER NORMALIZED AT 14.5 MEV TO S32 (N,P) VALUE OF 226 MILLIBARNS AND 342 MB. AT 7.5 MEV	16-S -32	1.04+01 2.03+01	16 N,P
376 CAN. J. PHYS. 41, 372 (1963) J.P.BUTLER, D.C.SANTRY (CHALK RIVER) ACTIVATION. NORMALIZED TO S32 (N,P). SEE SAME AUTHORS IN REFERENCE 375	12-MG-24 13-AL-27	5.45+00 2.03+01 5.45+00 2.93+01	46 N.P 45 N.A
377 PRIVATE COMMUNICATION (1963) B.GRANDER, M.LONGUEVE (C.E.A. FRANCE) ACTIVATION. COUNTED PHOTOELECTRIC PEAK AND NORMALIZED TO KNOWN ACTIVITIES OF VARIOUS ISOTOPES	25-MN-55 27-CO-59 33-AS-75 39-Y -89	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	1 N,2N 1 N,2N 1 N,2N 1 N,2N
378 PRIVATE COMMUNICATION (1963) K.TSUKADA, Y.-C.HSU (JAPAN AERE, TOKAI) VIA BNL SIGMA CENTER 1/65. TRANSMISSION	6-C -NAT 13-AL-27 14-SI-NAT	1.25+01 1.70+01 1.25+01 1.70+01 1.25+01 1.70+01	27 TOTAL 27 TOTAL 27 TOTAL
379 PRIVATE COMMUNICATION (1961) R.G.JOHNSON (LOCKHEED) VIA BNL SIGMA CENTER 1/65. TRANSMISSION	11-NA-23	9.00-01 1.70+00	167 TOTAL
380 PRIVATE COMMUNICATION (1961) R.G.JOHNSON (LOCKHEED)	11-NA-23	1.25+00 2.10+00	16 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
390 VIA BNL SIGMA CENTER 1/65. TRANSMISSION	19-K -NAT 20-CA-NAT	1.30+00 2.10+00 1.25+00 2.10+00	16 TOTAL 18 TOTAL
381 PRIVATE COMMUNICATION (1964) K.K.SETH (DUKE) (DATA OF R.H.TABONY, K.K.SETH, E.G.BILPUCH TO BE PUBLISHED)	90-TH-232 92-U -238	3.00-02 6.50-01 3.00-02 6.50-01	102 TOTAL 102 TOTAL
382 PRIVATE COMMUNICATION (1963) F.J.VAUGHN, M.WALT, H.A.GRENCH, J.H.ROWLAND (LOCKHEED) VIA BNL SIGMA CENTER 1/65. TRANSMISSION NUCLEAR PHYS. 64, 336 (1965) F.J.VAUGHN, H.A.GRENCH, H.L.IMHOF, J.H.ROWLAND, M.WALT	8-0 -18 8-0 -18	1.45-01 2.46+00 6.61-01 2.44+00	231 TOTAL 10 RES.PARAM.
383 PRIVATE COMMUNICATION (1955) N.A.BOSTROM, E.L.MUDSPETH. 1.L.MORGAN (UNIV, TEXAS) VIA BNL SIGMA CENTER 1/65 PHYS. REV. 99, 643 (1955) ACTIVATION	9-F -19	3.33+00 5.86+00	62 N.A
384 ORNL-2501 PAGE 18 (1958) H.B.WILLARD, J BAIR, H.O.COHN (ORNL) GOOD GEOMETRY TRANSMISSION MEASUREMENTS. NO STRUCTURE AT 2.73 OR 2.80 CORRESPONDING TO 7.47, 7.53 IN C13 AS SEEN IN C12(D,P). LEVELS MUST BE FORMED BY HIGH ORBITAL ANGULAR MOMENTUM NEUTRONS	6-C -NAT	2.62+00 2.90+00	40 TOTAL
385 NUCLEAR PHYS. 17, 109 (1950) H.W.SCHMITT, R.C.BLOCK. R.L.BAILEY (ORNL) TRANSMISSION. FAST CHOPPER	5-B -10	1.85-08 4.04-08	84 TOTAL
386 UCRL-4082 (1957) E.K.HULET, R.W.HOFF, H.R.BOWMAN, M.C.MICHEL (UCRL) PHYS. REV. 107, 1294 (1957) IRRADIATION IN U235-H2O REACTOR MTR. FISSION COUNTED PU239, RELATIVE TO PU239 STANDARD. CORRECTED FOR PU238 FISSIONS ASSUMED PU239 SIGMA F = 806 BARNs, PU238 SIGMA F = 18 BARNs	94-PU-238 94-PU-238 95-AM-241 95-AM-242 96-CM-243 96-CM-245	2.50-08 2.50-00 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 N.FISS SPECT.AV. 1 N.G SPECT.AV. 1 N.FISS SPECT.AV. 1 N.FISS SPECT.AV. 1 N.FISS SPECT.AV. 1 N.FISS SPECT.AV.
387 UCRL-3222-T (1958) M.H.MAC GREGOR, R.BODTH (UCRL) PHYS. REV. 112, 486 (1958)	6-C -NAT	5.80+00 1.29+01	7 NOMEAS
388 PHYS. LETTERS B, 45 (1966) L.M.BOLLINGER, O.E.THOMAS (ANL) FAST CHOPPER. LIQUID SCINTILLATION DETECTOR. RESONANCES AT 70.1 A) 96.0 EV ARE IN DOUBT BECAUSE OF STATISTICAL UNCER- TAINITIES AND HENCE NOT LISTED HERE. THE MEAN LEVEL SPACING OF THE P-WAVE RESONANCES WAS ABOUT 7 EV. RESOLUTION WAS 23 NSEC/M.	90-TH-232 90-TH-232	8.00-06 1.03-04 8.34-06 1.03-04	1 AV.RES.PARAM. 18 RES.PARAM.
389 PHYS. REV. 107, 1094 (1957) R.R.CARLSON (LASL)	7-N -14	1.41+01 1.41+01	14 N.O D(A)
390 PHYS. REV. 108, 766 (1957) E.DER MATEOSIAN, M.GOLDHABER (BNL) VALUES CORRECTED BY PRIVATE COMMUNICATION TO BNL SIGMA CENTER SEE BNL-325 PAGE 32-74-1	32-GE-74 32-GE-74 32-GE-76 32-GE-76	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 N.G SPECT.AV. 1 N.G SPECT.AV. 1 N.G SPECT.AV. 1 N.G SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
391 PHYS. REV. 108, 779 (1957) V.V.VERBINSKI, T.MURLIMANN, H.E.STEPHENS, E.J.WINHOLO (UNIV. PA.) OBSERVED RECOIL PROTONS WITH ENERGY GREATER THAN 6 MEV	12-MG-NAT	1.40+01 1.40+01	1 N,P	E1-E2
	12-MG-NAT	1.40+01 1.40+01	8 N,P	E1-E2,DIA1
	13-AL-27	1.40+01 1.40+01	1 N,P	E1-E2
	26-FE-NAT	1.40+01 1.40+01	1 N,P	E1-E2
	28-NI-NAT	1.40+01 1.40+01	1 N,P	E1-E2
	28-NI-NA	1.40+01 1.40+01	0 N,P	E1-E2,DIA1
	29-CU-NAT	1.40+01 1.40+01	1 N,P	E1-E2
	29-CU-NAT	1.40+01 1.40+01	8 N,P	E1-E2,DIA1
	41-NB-93	1.40+01 1.40+01	1 N,P	E1-E2
	45-RH-103	1.40+01 1.40+01	1 N,P	E1-E2
	45-RH-103	1.40+01 1.40+01	8 N,P	E1-E2,DIA1
	46-PD-NAT	1.40+01 1.40+01	1 N,P	E1-E2
	46-PD-NAT	1.40+01 1.40+01	5 N,P	E1-E2,DIA1
	49-IN-NAT	1.40+01 1.40+01	1 N,P	E1-E2
392 PHYS. REV. 108, 1025 (1957) H.BICHSEL, T.W.BONNER (RICE) BF3 COUNTER	5-B -10	2.00-02 4.78+00	89 N,A	
	5-B -10	5.30-01 4.10+00	4 RES.PARAM.	
393 PHYS. REV. 109, 417 (1958) J.A.MOORE (COLUMBIA AND BNL) CRYSTAL SPECTROMETER.	49-IN-115	1.45-06 9.01-06	8 RES.PARAM.	
394 PHYS. REV. 109, 1219 (1953) H.MARSHAK, V.L.SAILOR (BNL) PHYS. REV. 128, 1287 (1952) H.MARSHAK, M.POSTMA, V.L.SAILOR, F.J.SHORE, C.A.REYNOLDS (BNL) IN WHICH SIGMA 0 FOR THE 8.9 EV RESONANCE IS CORRECTED TO 22,400 +/- 500 BARNs. CRYSTAL SPECTROMETER, RESOLUTION OF 170 NSEC/M.	32-SM-149	0. 2.00-05	3 AV.RES.PARAM.	
	62-SM-149	9.76-08 1.70-05	20 RES.PARAM.	
395 PHYS. REV. 109, 1641 (1958) H.L.FOOTE, JR. (BNL) CRYSTAL SPECTROMETER. SCATTERING COUNTER. THICK-THIN SAMPLE METHOD	92-U -235	2.71-07 7.74-06	7 ELASTIC	
396 PHYS. REV. 109, 1645 (1958) S.OLEKSA (BNL) CRYSTAL SPECTROMETER. COUNTED SCATTERED NEUTRONS	92-U -233	2.70-07 3.31-06	11 ELASTIC	
397 PHYS. REV. 109, 2063 (1958) L.CRANBERG, J.S.LEVIN (LASL) TIME OF FLIGHT, BIASED SCINTILLATOR CORRECTED FOR MULTIPLE SCATTERING. NORMALIZED TO N CROSS SECTIONS	92-U -NAT	5.50+01 5.50+01	15 ELASTIC DIA1	
	92-U -NAT	2.00+00 2.00+00	15 SCATTER DIA1	
	92-U -238	5.50+01 1.09+00	10 N,M' DIA1	
	92-U -238	2.00+00 2.00+00	2 N,M' DIA1	
398 PHYS. REV. 109, 2105 (1958) R.W.HILL (MESTINGHOUSE)	6-C -NAT	5.00+00 5.00+00	18 ELASTIC DIA1	
	8-O -NAT	5.00+00 5.00+00	10 ELASTIC DIA1	
	13-AL-27	5.00+00 5.00+00	13 ELASTIC DIA1	
	AL203	5.00+00 5.00+00	13 ELASTIC DIA1	
	26-FE-NAT	5.00+00 5.00+00	13 ELASTIC DIA1	
	28-NI-NAT	5.00+00 5.00+00	13 ELASTIC DIA1	
	29-CU-NAT	5.00+00 5.00+00	13 ELASTIC DIA1	
	42-MO-NAT	5.00+00 5.00+00	13 ELASTIC DIA1	
	56-BA-NAT	5.00+00 5.00+00	10 ELASTIC DIA1	
	74-W -NAT	5.00+00 5.00+00	13 ELASTIC DIA1	
	82-PB-NAT	5.00+00 5.00+00	13 ELASTIC DIA1	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
399 PHYS. REV. 110, 427 (1958) E. ANDERS (EFINS, CHICAGO)	43-TC-S8	2.50-08 2.50-08	1 N.G.	SPECT. AV.
400 PHYS. REV. 110, 466 (1958) J.L. WEIL, K.W. JONES (COLUMBIA U.) TRANSMISSION. INSCATTERING ESTIMATED	12-MO-NAT 13-AL-27 26-FE-NAT 29-CU-NAT 30-ZN-NAT 42-MO-NAT 82-PB-NAT	4.00+00 6.05+00 4.05+00 6.10+00 4.00+00 6.20+00 4.05+00 6.10+00 4.00+00 6.10+00 4.00+00 6.05+00 4.05+00 6.10+00	38 TOTAL 37 TOTAL 39 TOTAL 37 TOTAL 39 TOTAL 38 TOTAL 40 TOTAL	
401 PHYS. REV. 110, 531 (1958) H.G. BLOSSER, C.D. GOODMAN, T.H. HANDLEY (ORNL)	27-CO-59 30-ZN-59 35-BR-79 40-ZR-90 41-NB-93 46-PD-108 49-IN-115 55-CS-133	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	1 N.A. 1 N.A. 1 N.A. 1 N.A. 1 N.A. 1 N.A. 1 N.A. 1 N.A.	
402 PHYS. REV. 110, 1439 (1958) M.P. NAKADA, J.D. ANDERSON, C.C. GARDNER, C. WONG (LRL LIVERMORE) RING GEOMETRY AND TIME OF FLIGHT. MULTIPLE SCATTERING CORRECTION MADE. INTEGRATED DIFFERENTIAL ELASTIC FOR TOTAL ELASTIC	4-BE-9 4-BE-9 6-C -NAT 6-C -NAT	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	1 ELASTIC 21 ELASTIC D(A) 1 ELASTIC 20 ELASTIC D(A)	
403 PHYS. REV. 111, 250 (1958) J.W. CODD, R.W. DAVIS, H.E. FELTHAUSER, D.B. NICODEME (LASL) RING SCATTERER. INTEGRATED DIFFERENTIAL CROSS-SECTION	6-C -NAT 13-AL-27 13-AL-27 26-FE-NAT 26-FE-NAT 26-FE-NAT 29-CU-NAT 29-CU-NAT 29-CU-NAT 50-SN-NAT 50-SN-NAT 50-SN-NAT 82-PB-NAT 82-PB-NAT 82-PB-NAT 92-U -NAT 92-U -NAT	1.45+01 1.45+01 1.45+01 1.45+01 1.41+01 1.41+01 1.45+01 1.41+01 1.41+01	1 ELASTIC 1 ELASTIC 15 ELASTIC D(A) 1 ELASTIC 46 ELASTIC D(A) 34 N.N' D(A) 1 ELASTIC 46 ELASTIC D(A) 26 N.N' D(A) 1 ELASTIC 43 ELASTIC D(A) 28 N.N' D(A) 1 ELASTIC 30 ELASTIC D(A) 28 N.N' D(A) 1 ELASTIC 13 ELASTIC D(A)	
404 PHYS. REV. 111, 261 (1958) D.T. KEATING, W.J. NEIDHARDT, A.N. GOLAND (BNL)	29-CU-NAT 29-CU-NAT	2.53-08 2.53-08 0. 0.	1 ABSORP 1 INCHER	
405 PHYS. REV. 111, 572 (1958) J.D. ANDERSON, C.C. GARDNER, J.W. MC CLURE, M.P. NAKADA, C. WONG (LRL LIVERMORE) RING GEOMETRY TIME OF FLIGHT. MULTIPLE SCATTERING CORRECTION MADE. DIFFERENTIAL CROSS-SECTION INTEGRATED TO GET N.N'	4-BE-9 4-BE-9 4-BE-9 6-C -12 6-C -12 6-C -12	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	1 N.N' 1 N.XO 16 N.N' D(A) 1 N.N' 12 N.XO D(A) 1 N.XO D(A)	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
406 PHYS. REV. 112, 191 (1956) F.J.SHORE, V.L.SAILOR (BNL) DATA OBTAINED FROM BNL SIGMA CENTER TRANSMISSION AND FISSION MEASUREMENTS. CRYSTAL SPECTROMETER FISSION CROSS SECTION NORMALIZED TO DATA FROM B.LEONARD, E.J. SEPP, W.J.FRIESEN (PRIVATE COMMUNICATION TO AUTHORS) SIGMA F (THERMAL) = 582 +- 10 BAPNS. RESOLUTION WAS 170 NSEC/M FOR E GREATER THAN 0.3 EV AND 260 NSEC/M FOR E LESS THAN 0.3 EV.	92-U -235 92-U -235 92-U -235	8.77-08 1.00-05 1.00-07 1.00-05 -1.45-06 8.79-06	461 TOTAL 278 N.FISS 24 RES.PARAM.	
407 PRIVATE COMMUNICATION (1961) R.G.JOHNSON (LOCKHEED) VIA BNL SIGMA CENTER 1/65. TRANSMISSION	19-K -NAT	9.00-01 1.70+00	170 TOTAL	
408 NEUTRON TIME-OF-FLIGHT METHODS. EANDC. SACLAY, PAGE 109(1961) C.A.UTTLEY, R.H.JONES (AERE) TRANSMISSION METHOD. L=0 STRENGTH FUNCTION DETERMINED BOTH FROM RESONANCE PARAMETERS AND AVERAGE CROSS SECTION. RESOLUTION WAS 1.6 NSEC/M.	90-TM-232 90-TM-232	3.50-04 6.00-02 3.00-04 1.30-03	33 TOTAL SPECT.AV. 5 AV.RES.PARAM.	
409 NUCLEAR PHYS. 76, 196 (1966) M.ASGHAR, C.M.CHAFFEY, M.C.MOXON, N.J.PATTENDEN, E.R.RAE, C.A.UTTLEY (AERE) RESONANCE PARAMETERS DETERMINED BY AREA AND SHAPE ANALYSIS OF TOTAL, CAPTURE AND SCATTERING CROSS SECTIONS GAMMA-GAMMA TAKEN AS 0.022 EV WHEN NOT DETERMINED. BEST RESOLUTION OF 1.8 NSEC/M FOR TRANSMISSION MEASUREMENT. AERE-PR/NP-7 PAGE 5 (1964) M.C.MOXON, C.M.CHAFFEY	90-TM-232 90-TM-232	2.17-05 1.96-04 8.24-06 8.66-04	2 AV.RES.PARAM. 72 RES.PARAM.	
410 NUCLEAR SCIENCE AND ENGINEERING 12, 243 (1962) F.B.SIMPSON, W.H.BURGUS, J.E.EVANS, M.W.KIRBY (PHILLIPS) MTR FAST CHOPPER. SHAPE AND AREA ANALYSIS. THE GAMMA-GAMMA ASSUMED TO BE EITHER 0.050 OR 0.055 EV IN AREA ANALYSIS WHEN NOT DETERMINED. FOR TABULATED DATA SEE 100-15698 (1962) (59) B/A (THIN) SAMPLE THICKNESS USED OVER THE RESONANCE PEAKS AT 5.04, 8.71 AND 10.3 EV. RESOLUTION FROM 40 TO 2000 NSEC/M BELOW 35 EV, 110 NSEC/M ABOVE 35 EV.	91-PA-231 91-PA-231 91-PA-231	1.52-08 2.14-03 0. 2.00-03 -3.18-07 1.07-05	1238 TOTAL 4 AV.RES.PARAM. 76 RES.PARAM.	
411 ATOMNAYA ENERGIYA 2, 174 (1957) G.N.LOVCHIKOVA (USSR)	13-AL-27 26-FE-NAT 50-SN-NAT 82-PB-NAT 83-BI-209	9.00-01 9.00-01 9.00-01 9.00-01 9.00-01 9.00-01 9.00-01 9.00-01 9.00-01 9.00-01	5 ELASTIC O(A) 5 ELASTIC O(A) 5 ELASTIC O(A) 7 ELASTIC O(A) 6 ELASTIC O(A)	
412 ATOMNAYA ENERGIYA 2, 240 (1957) P.A.KRUPCHINSKY (USSR) PILE OSCILLATOR METHOD	94-PU-240 94-U-240	2.50-08 2.50-08 2.00-07 1.46+01	1 ABSORP 1 ABSORP RES.INT.	
413 PRIVATE COMMUNICATION (1963) N.J.PATTENDEN, J.A.HARVEY (ORNL) VIA SACLAY SIGMA CENTER. FAST CHOPPER NUCLEAR SCIENCE AND ENGINEERING 17, 404 (1963) ORNL-TM-555 (1963) ERROR ESTIMATES ARE GIVEN IN THE JOURNAL ARTICLE	92-U -233	1.84-08 8.33-03	1528 TOTAL	

REF-BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
414 ATOMNAYA ENERGIYA 3, 106 (1957) O.A.SAL'NIKOV (USSR)	24-CR-NAT	2.34+00 2.34+00	6	ELASTIC D(A)
	24-CR-NAT	2.34+00 2.34+00	6	N,N' D(A)
	26-FE-NAT	2.34+00 2.34+00	5	ELASTIC D(A)
	26-FE-NAT	2.34+00 2.34+00	5	N,N' D(A)
	82-PB-NAT	2.34+00 2.34+00	6	ELASTIC D(A)
	82-PB-NAT	2.34+00 2.34+00	12	N,N' D(A)
415 PHYS. REV. 135, 1347 (1964) D.B.FOSSAN, R.A.CHALMERS, L.F.CHASE, JR., S.R.SALISBURY (LOCKHEED) BULL. AM. PHYS. SOC. 9, 32 (1964) TRANSMISSION. HIGH PRESSURE GAS CELL	7-N -15	4.50-01 2.24+00	109	TOTAL
416 ATOMNAYA ENERGIYA 3, 498 (1957) V.I.POPOV (USSR)	26-FE-NAT	2.90+00 2.90+00	1	ELASTIC
	26-FE-NAT	2.90+00 2.90+00	6	ELASTIC D(A)
	26-FE-NAT	2.90+00 2.90+00	1	N,N' D(A)
	29-CU-NAT	2.90+00 2.90+00	1	ELASTIC
	29-CU-NAT	2.90+00 2.90+00	7	ELASTIC D(A)
	92-PB-NAT	2.90+00 2.90+00	6	ELASTIC D(A)
	80-BI-209	2.90+00 2.90+00	6	ELASTIC D(A)
	83-BI-209	2.90+00 2.90+00	1	N,N' D(A)
417 Z. PHYSIK 174, 1 (1963) M.BORMANN, S.CIERJACKS, E.FRETWURST, K.J.GIESECKE, H.NEUGERT, H.POLLEHN (UNIV. HAMBURG) ACTIVATION. NORMALIZED TO AL27(N,ALPHA), FE56(N,P), CU63(N,2N), OR CU65(N,2N)	8-O -18	1.23+01 1.08+01	8	N,A
	15-P -31	1.32+01 1.97+01	7	N,2N
	15-P -31	1.32+01 1.97+01	7	N,A
	23-V -51	1.32+01 1.87+01	7	N,P
	29-CU-65	1.32+01 1.87+01	10	N,2N
	29-CU-65	1.32+01 1.87+01	10	N,P
	30-ZN-64	1.32+01 1.97+01	8	N,2N
	30-ZN-64	1.32+01 1.95+01	5	N,P
	35-BR-79	1.32+01 1.87+01	10	N,A
418 BULL. AM. PHYS. SOC. 3, 336 (1958) L.CRANBERG, J.D.SEAGRAVE, J.E.SIMMONS (LASL) TRANSMISSION	20-CA-NAT	1.00+00 6.00+00	10	TOTAL
419 NUCLEAR PHYS. 48, 408 (1963) G.CALVI, R.RICAMO, A.RUBBINO, D.ZUBKE (CATANIA) TRANSMISSION. NO CORRECTION FOR INSCATTERING	11-NA-23	2.75+00 5.21+00	114	TOTAL
	12-MG-NAT	2.78+00 5.21+00	92	TOTAL
	14-SI-NAT	2.78+00 5.21+00	84	TOTAL
420 NUCLEAR INSTRUMENTS AND METHODS 21, 197 (1963) M.BIRK, O.GOLDRING, P.HILLMAN (WEIZMANN INST.) INTERNAL REACTIONS IN SOLID STATE DETECTOR	14-SI-28	5.35+00 6.40+00	8	N,P
	14-SI-28	5.35+00 6.40+00	8	N,A
	14-SI-28	4.00+00 6.40+00	16	N,A
421 UCL-50804 (1970) J.B.CZIRR (LRL) TIME OF FLIGHT TECHNIQUE. LIQUID SCINTILLATOR. NUCLEAR INSTRUMENTS AND METHODS 72, 23 (1969) DESCRIBES THE EXPERIMENTAL METHOD. RESONANCE INTEGRALS AND NARROW-TIME-BIN CROSS SECTIONS.	63-EU-NAT	2.00-04 1.17-02	98	N,O SPECT.AV.
	63-EU-NAT	2.00-07 1.90-02	1	N,O RES.INT.
	63-EU-151	2.00-04 1.17-02	88	N,O SPECT.AV.
	63-EU-151	2.00-07 1.90-02	1	N,O RES.INT.
	67-HG-165	2.00-04 1.17-02	98	N,O SPECT.AV.
	67-HG-165	2.00-07 1.90-02	1	N,O RES.INT.
422 WADC TECHNICAL REPORT-58-88 (1958) N.A.BOSTROM, I.L.MORGAN, J.T.PRUD'HOME, P.L.OKHUYSEN, JR., A.R.SATTAR (TEXAS NUCLEAR)	7-N -14	3.39+00 5.06+00	13	N,N'

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
422 RING GEOMETRY. CROSS-SECTION IS 4PI TIMES SIGMA (95 DEGREES)				
423 CAN. J. PHYS. 36, 989 (1958) M.J.CABELL (CHALK RIVER)	90-TH-230	2.53-08 2.53-08	1 N.O	
CAN. J. PHYS. 40, 194 (1962)	90-TH-230	5.00-07 1.50+01	1 N.O	RES.INT.
FOR CORRECTIONS. ACTIVATION ANALYSIS				
424 HELV. PHYS. ACTA 31, 89 (1958) R.WAGNER, P.HUBER (BASEL)	4-BE-9	3.70+00 3.70+00	1 N.2N	D(1A)
425 BULL. AM. PHYS. SOC. 3, 337 (1958) L.A.RAYBURN (ANL)	30 TH-64	1.40+01 1.40+01	1 N.2N	
426 PRIVATE COMMUNICATION (1964) J.H.GIBBONS (ORNL)	16-S -32	1.31-02 5.93-02	28 N.O	
VIA BNL SIGMA CENTER 1/65. ACTIVATION	50-SN-116	9.7-03 5.17-02	17 N.O	
	50-SN-117	8.70-03 5.15-02	18 N.O	
	50-SN-118	8.70-03 5.85-02	19 N.O	
	50-SN-119	8.70-03 5.19-02	18 N.O	
	50-SN-120	9.30-03 5.15-02	17 N.O	
427 PRIVATE COMMUNICATION (1953) R.L.HENKEL (LASL)	8-O -NAT	3.76+00 7.26+00	113 TOTAL	
VIA BNL SIGMA CENTER 1/65. TRANSMISSION				
428 J. INORG. NUCLEAR CHEM. 5, 259 (1958) J.G.BAYLY, F.BROWN,	55-CS-133	2.50-08 2.50-08	1 N.O	SPECT.AV.
G.R.HALL, A.J.WALTER (CHALK RIVER AND HARWELL)	55-CS-134	2.50-08 2.50-08	1 N.O	SPECT.AV.
429 PRIVATE COMMUNICATION (1953) R.L.HENKEL (LASL)	13-AL-27	8.00-01 7.76+00	198 TOTAL	
VIA BNL SIGMA CENTER 1/65. TRANSMISSION FOR TOTAL. ACTIVATION	13-AL-27	4.00-01 3.76+00	65 N.O	
FOR N.GAMMA RENORMALIZED AS DISCUSSED IN PHYS. REV. 116, 928				
430 PRIVATE COMMUNICATION (1954) R.L.HENKEL (LASL)	13-AL-27	2.63+00 5.18+00	38 N.P	
VIA BNL SIGMA CENTER 1/65. NO METHOD GIVEN				
431 J. INORG. NUCLEAR CHEM. 7, 194 (1958) S.KATCOFF, D.C.WILLIAMS	44-RU-96	2.50-08 2.50-08	1 N.O	SPECT.AV.
(BNL)	44-RU-102	2.50-08 2.50-08	1 N.O	SPECT.AV.
432 J. NUCLEAR ENERGY 5, 41 (1957) P.A.EGELSTAFF (AERE)	5-B -NAT	2.53-08 2.53-08	1 ABSORP	
433 J. NUCLEAR ENERGY 5, 203 (1957) P.A.EGELSTAFF (AERE)	6-C -NAT	1.28-09 1.20-07	94 TOTAL	
TRANSMISSION OF GRAPHITE. SLOW CHOPPER				
434 J. NUCLEAR ENERGY 6, 113 (1957) S.J.COCKING (AERE)	36-KR-NAT	1.00-03 1.28-01	8 TOTAL	
WE HAVE ASSIGNED THE LEVELS TO THE VARIOUS ISOTOPES BASED ON	36-KR-NAT	2.93-08 2.93-08	1 ABSORP	
THE WORK OF REFERENCE 2072	36-KR-82	4.11-05 4.11-05	2 RES.PARAM.	
	36-KR-83	7.83-05 2.83-05	2 RES.PARAM.	
435 J. NUCLEAR ENERGY 6, 114 (1957) J.E.SANDERS, B.T.PRICE,	92-U -233	9.06-09 2.82-05	197 N.FISS	
R.RICHMOND (AERE)				
NORMALIZED TO 525 BARNs AT 0.0253 EV				
NRDC-81 P.7 (1956) P.A.EGELSTAFF				
FOR TABULATED RESULTS				
436 J. NUCLEAR ENERGY 6, 181 (1958) G.J.MC CALLUM (AERE)	92-U -234	1.02-08 2.93-05	97 TOTAL	
AERE-NP/H-81 (1957)	92-U -234	2.93-08 2.93-08	1 ELASTIC	
TRANSMISSION MEASUREMENT. CROSS-SECTION DATA OBTAINED FROM	92-U -234	2.93-08 2.93-08	1 ABSORP	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
436 BNL SIGMA CENTER. RESONANCE PARAMETERS DETERMINED BY AREA ANALYSIS 2200 M/SEC RESULTS. RESOLUTION WAS 0.07 EV AT AN ENERGY OF 5 EV.	92-U -234 92-U -236 92-U -236 92-U -236 92-U -236	-2.00-06 5.19-06 1.05-08 1.68-05 2.53-08 2.53-08 2.53-08 2.53-08 -8.00-06 5.48-06	6 53 1 1 6	RES.PARAM. TOTAL ELASTIC ABSORP RES.PARAM.
437 PHYS. REV. 87, 487 (1952) S.BERNSTEIN, L.B.BORST, C.P.STANFORD, T.E.STEPHENSON, J.B.DIAL (ORNL) FOCUSING SPECTROMETER	27-CO-59 28-NI-58 28-NI-58 28-NI-60 67-KO-165 68-ER-NAT 72-HF-NAT 72-HF-NAT	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.57-08 5.00-07 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 1 1 1 20 1 1 1	ABSORP BOUND FREE SCATTER TOTAL TOTAL TOTAL SCATTER
438 J. NUCLEAR ENERGY 7, 81 (1958) M.J.CABELL, T.A.EASTWOOD, P.J.CAMPION (CHALK R.) IRRADIATION IN U-D2O REACTOR. NRX. RELATIVE TO CO THERMAL (N,GAMMA) CROSS SECTION = 36.5 BARNS AND CO RI = 48.6 BARNS AUTHORS REPORTED U236 RI = 257 +- 22 BARNS	92-U -236 92-U -236	2.50-08 2.50-08 5.00-07 1.46+01	1 1	N,0 N,0 RES.INT.
439 J. NUCLEAR ENERGY 7, 199 (1958) H.J.MAY (AERE) ENRICHED ISOTOPES. CRYSTAL SPECTROMETER. RESOLUTION WAS 0.001 EV AT 0.1 EV INCREASING TO 1.5 EV AT 10. EV.	60-ND-143 60-ND-143 60-ND-143	2.53-08 2.53-08 2.53-08 2.53-08 -6.00-06 -6.00-06	1 1 2	ELASTIC N,0 RES.PARAM.
440 NUCLEAR PHYS. 62, 165 (1965) D.STUHER, H.GENZ, M.BORMANN (HAMBURG) TRANSMISSION EANDC(E)-49L PAGE 3 (1963) E.FRETHURST	11-NA-23 19-K -NAT 20-CA-NAT	4.08+00 6.19+00 4.13+00 6.31+00 4.14+00 6.31+00	42 41 41	TOTAL TOTAL TOTAL
441 NUCLEAR PHYS. 6, 464 (1958) D.L.ALLAN (AERE)	29-CU-NAT	1.40+01 1.40+01	1	N,XP
442 NUCLEAR PHYS. 7, 613 (1958) J.E.LYNN, M.C.MOXON, F.W.K.FIRK (AERE) TIME OF FLIGHT METHOD. RESOLUTION WAS 32 NSEC/M. AREA ANALYSIS.	83-BI-209	7.84-04 1.20-02	11	RES.PARAM.
443 NUCLEAR PHYS. B, 139 (1958) M.J.NURMA, R.W.FINK (UNIV. ARK.) ACTIVATION. NORMALIZED TO 016(N,P) VALUE OF 89 MILLIBARNS AT 14.8 MEV. RENORMALIZED TO 0-16(N,P) = 35 MB AT 14.8 MEV	12-MO-25 12-MO-26 12-MO-26	1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01	1 1 1	N,P N,P N,A
444 NUCLEAR SCIENCE AND ENGINEERING 2, 787 (1957) R.C.ALLEN (LASL) PHYS. REV. 104, 731 (1956) R.C.ALLEN, R.B.WALTON, R.B.PERKINS, R.A.OLSON, R.F.TASCHEK BIASED RECOIL COUNTER. CORRECTED FOR MULTIPLE SCATTERING. SOME INELASTIC SCATTERING PROBABLY INCLUDED	92-U -NAT 92-U -NAT 92-U -NAT 92-U -NAT 92-U -235 92-U -235 92-U -235 94-PU-239 94-PU-239 94-PU-239	5.00-01 1.00+00 1.50-01 5.00-01 1.00+00 1.00+00 5.00-01 1.00+00 5.00-01 1.00+00 2.50-01 1.00+00 5.00-01 1.00+00 5.00-01 1.00+00 2.50-01 1.00+00 5.00-01 1.00+00	2 3 1 16 2 4 16 2 4 17	ELASTIC NONELAS NONELAS ELASTIC D(A) ELASTIC NONELAS ELASTIC D(A) ELASTIC NONELAS ELASTIC D(A)

REF BIBLIOGRAPHY

TARGE EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
445 PRIVATE COMMUNICATION (1964) W.L. IMHOF (LOCKHEED) VIA BNL SIGMA CENTER 1/65. ACTIVATION	12-MG-24 13-AL-27	1.20+01 1.96+01 1.26+01 1.79+01	24 N,P 4 N,A	
446 PRIVATE COMMUNICATION (1959) H.W. SCHMITT (ORNL) VIA BNL SIGMA CENTER 1/65. ORNL-2501 PAGE 22 (1958) BULL. AM. PHYS. SOC. 3. 37 (1958) ION CHAMBER	16-S -32	1.37+00 3.70+00	48 N,A	
447 PHIL. MAG. 3, 143 (1958) P.V. MARCH, W.T. MORTON (GLASGOW)	26-FE-54 26-FE-56	1.35+01 1.35+01 1.35+01 1.35+01	15 N,P 13 N,P	5(A) D(A)
448 PHIL. MAG. 3, 577 (1958) P.V. MARCH, W.T. MORTON (GLASGOW)	28-NI-60 28-NI-60 28-NI-60	1.35+01 1.35+01 1.35+01 1.35+01 1.35+01 1.35+01	1 N,N,P 1 N,P 14 N,P	 D(A)
449 NUCLEAR PHYS. 63, 675 (1965) J. PICARD, C.F. WILLIAMS (C.E.N. SACLAY) J. PHYSIQUE 24, 813 (1963) ACTIVATION, F(N,2N) NORMALIZED TO 56 MILLIBARNS AT 14.2 MEV. ABSOLUTE MEASUREMENTS FOR OTHER REACTIONS	9-F -19 9-F -19 9-F -19 11-NA-23 11-NA-23 11-NA-23	1.23+01 2.09+01 1.41+01 2.10+01 1.41+01 2.10+01 1.48+01 2.10+01 1.41+01 2.10+01 1.41+01 2.10+01	15 N,2N 11 N,P 11 N,A 6 N,2N 12 N,P 12 N,A	
450 PHYSICA 24, 331 (1958) P. HUIJER, C.C. JONKER, J. VAN DEN BERG, J. RETHMEIER (FREE UNIV. AMSTERDAM) TRANSMISSION. TIME OF FLIGHT	16-S -NAT	4.15+01 1.18+00	12 TOTAL	
451 PRIVATE COMMUNICATION (1958) L. CRANBERG, J.S. LEVIN, D.B. THOMSON (LASL) VIA BNL SIGMA CENTER 1/65. NO METHOD GIVEN	12-MG-NAT 20-CA-NAT	4.04+01 1.34+00 4.05+01 1.34+00	939 TOTAL 938 TOTAL	
452 PRIVATE COMMUNICATION (1962) R.O. JOHNSON (LOCKHEED) VIA BNL SIGMA CENTER 1/65. TRANSMISSION.	8-O -18 11-NA-23 19-K -NAT 20-CA-NAT	8.58+00 1.15+01 8.58+00 1.15+01 8.58+00 1.15+01 8.58+00 1.15+01	4 TOTAL 4 TOTAL 4 TOTAL 4 TOTAL	
453 PHYS. REV. 94, 807 (1954) J.D. DUDLEY, C.H. CLASS (RICE) ACTIVATION	7-N -14	1.40+01 1.40+01	3 N,2N	
454 PRIVATE COMMUNICATION (1964) R.L. MACKLIN, J.H. OIBBONS (ORNL) VIA BNL SIGMA CENTER. MOXON-RAE DETECTOR.	83-BI-209 90-TM-232 92-U -238	9.00-03 5.45-02 1.00-02 5.85-02 1.00-02 5.83-02	26 N,O 127 N,O 125 N,O	
455 COMPT. REND. 259, 4616 (1964) J. CABE, M. LAURAT, P. YVON (CEA) TRANSMISSION EANDC(E)-49L PAGE 66 (1963) EANDC(E)-49L PAGE 69 (1963) COMPT. REND. 258, 1478 (1964)	6-C -NAT 14-SI-NAT 15-P -31 16-S -NAT 24-CR-NAT 25-MN-55 27-CO-59 20-NI-NAT	6.40+01 1.00+00 5.44+01 1.27+00 8.30+01 1.19+00 3.68+00 5.02+00 5.00+01 1.20+00 6.00+01 1.20+00 1.41+01 1.41+01 5.00+01 5.19+00	78 TOTAL 161 TOTAL 167 TOTAL 138 TOTAL 164 TOTAL 91 TOTAL 1 N,2N 320 TOTAL	

REF. BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PIS DESCRIPTION
456 PHYS. REV. B1, 486 (1951) G.C.HANNA, B.G.HARVEY, N.MOSS (CHALK R.) ACTIVATION ANALYSIS. IRRADIATION IN NRX PILE	95-AM-241	2.50-08 2.50-08	1 ABSORP SPECT.AV.
457 Z. NATURFORSCHG. 13, 826 (1958) O.LINDSTROM, H.NEUERT (HAMBURG) COINCIDENCE COUNTING. KIITL SCINTILLATION	19-K -39 19-K -39	2.59+00 2.59+00 2.59+00 2.59+00	1 N, 1 N,A
458 NUCLEAR PHYS. 9, 198 (1958) F.W.K.FIRK (AERE) TIME OF FLIGHT METHOD. AREA ANALYSIS. RESOLUTION WAS 32 NSEC/M.	73-1A-NAT 73-1A-181	1.98-05 1.08-04 2.02-05 9.88-05	297 TOTAL 73 RES.PARAM.
459 PHYS. REV. 95, 476 (1954) F.G.J.SEIDL, D.J.HUGHES, H.PALEVSKY, J.S.LEVIN, W.Y.KATO, N.O.SJOSTRAND (BNL) FAST CHOPPER. DATA OBTAINED FROM BNL SIGMA CENTER AND BNL-325 (1958) SEE REFERENCE FOR CONSTANT GAMMA-GAMMA VALUES ASSUMED FOR AG, NATURAL ELEMENT AND ENRICHED ISOTOPE (AG-109)	25-IN-55 27-CO-59 47-AG-NAT 47-AG-107 47-AG-107 47-AG-109 47-AG-109 53-I -127 53-I -127 79-AU-197 79-AU-197 90-Tl-232 90-Tl-232 90-Tl-232	3.46-04 3.46-04 1.34-04 1.34-04 5.07-06 5.00-07 0. 1.00-04 1.68-05 5.22-05 0. 1.00-04 5.22-06 8.85-05 0. 1.00-04 2.05-05 9.10-05 0. 2.00-04 4.94-06 1.94-04 5.89-06 5.92-04 0. 1.40-04 2.21-04 1.33-04	3 RES.PARAM. 4 RES.PARAM. 154 TOTAL 1 AV.RES.PARAM. 12 RES.PARAM. 1 AV.RES.PARAM. 19 RES.PARAM. 1 AV.RES.PARAM. 21 RES.PARAM. 1 AV.RES.PARAM. 21 RES.PARAM. 221 TOTAL 3 AV.RES.PARAM. 21 RES.PARAM.
460 PRIVATE COMMUNICATION (1964) O.ANDERSSON-LINDSTROM (UNIV. HAMBURG) VIA BNL SIGMA CENTER 1/65. NO METHOD GIVEN	14-Si-28 14-Si-28	5.86+00 9.12+00 5.86+00 9.12+00	407 G,P 669 N,A
461 ODKLADY AKAD. NAUK S.S.S.R. 101, 1027 (1955) GOLDAKSKII, TARUMOV, PENKINA (USSR)	74-W -NAT 78-Pt-NAT 78-AU-197 81-Tl-NAT 82-Pb-209 83-Pb-209 90-Tl-232 92-U -235 92-U -238	3.80+02 3.80+02 3.80+02 3.80+02 3.80+02 3.80+02 3.80+02 3.80+02 3.80+02 3.80+02 3.80+02 3.80+02 3.80+02 3.80+02 1.60+02 3.80+02 1.20+02 3.80+02	1 N,FISS 1 N,FISS 1 N,FISS 1 N,FISS 1 N,FISS 2 N,FISS 1 N,FISS 2 N,FISS 2 N,FISS
462 PHYS. REV. 86, 155 (1949) R.K.ADAIR (UNIVERSITY OF PROPORTIONAL COUNTER.	2-ME-NAT 2-ME-4	4.00-01 2.73+00 1.15+00 1.15+00	214 ELASTIC DIA 1 RES.PARAM.
463 J. NUCLEAR ENERGY, PARTS A/B, 11, 83 (1963) A.PROSODICINI, A.J.DERUYTER (MOL BELOIUM) SLOW CHOPPER. BETTER ISOTOPIC ANALYSIS OF SAMPLE LED TO VALUES FOR B-10 THERMAL ABSORPTION REPORTED IN J. NUCLEAR ENERGY 21, 373 (1967) G.W.OEDUS, P.J.DE BIEVRE	5-B -NAT 5-B -NAT 5-B -10 5-B -10	6.01-09 8.20-08 2.53-08 2.53-08 6.01-09 8.20-08 2.53-08 2.53-08	50 TOTAL 1 ABSORP 50 TOTAL 1 ABSORP
464 PHYS. REV. 91, 90 (1953) J.C.ALLRED, A.H.ARMSTRONG, L.ROSEN (LASL)	1-H -1 1-H -1	1.41+01 1.41+01 1.41+01 1.41+01	1 TOTAL 8 ELASTIC DIA

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PIS DESCRIPTION

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
464 NUCLEAR EMULSIONS	1-H -2 1-H -2	1.41+01 1.41+01 1.41+01 1.41+01	1 26	ELASTIC ELASTIC D(A)
465 BULL. AM. PHYS. SOC. 9, 20 (1964) H. PALEVSKY, R.E. CHRIEN, E. HADDAD, W.M. LOPEZ (GA) AND PRIVATE COMMUNICATION (1964) VIA BNL SIGMA CENTER. SELF INDICATION METHOD OF CAPTURE GAMMA RAY MEASUREMENTS	90-TH-232	2.18-05 1.70-04	13	RES. PARAM.
466 PHYS. REV. 92, 1222 (1953) J.D. SEAGRAVE (LASL)	2-HE-NAT	2.51+00 1.43+01	179	ELASTIC D(A)
467 PRIVATE COMMUNICATION (1964) R.S. CARTER (BNL) FAST CHOPPER. DATA TAKEN FROM BNL-325 (1959)	92-U -233	1.00-05 1.15-04	101	TOTAL
468 NUCLEAR PHYS. 43, 529 (1963) L. COLLI, I. IORI, M.G. MARCAZZAN, M. MILAZZO (MILANO) SILICON SEMICONDUCTOR COMBINED TARGET AND DETECTOR	14-SI-28	1.21+01 1.84+01	415	N,A
469 NUCLEAR PHYS. 56, 569 (1964) R. BASS, U. FANGER, F.M. SALEH (FRANKFURT) VIA BNL SIGMA CENTER 1/85. KI(TL) CRYSTAL	19-K -39 19-K -39 19-I -39 19-K -39	4.00+00 8.00+00 4.00+00 8.00+00 4.00+00 8.00+00 4.00+00 8.00+00	9 27 9 13	N,P N,P N,A N,A
470 PRIVATE COMMUNICATION (1964) R.E. COTE, L.M. BOLLINGER, D.A. DAHLBERG, G.E. THOMAS (ANL) VIA BNL SIGMA CENTER. FAST CHOPPER. AREA ANALYSIS.	90-TH-232	2.18-05 1.71-04	28	RES. PARAM.
471 PHYS. REV. 97, 757 (1955) J.D. SEAGRAVE (LASL) COUNTER TELESCOPE	1-H -1 1-H -2 1-H -2	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	6 1 8	ELASTIC D(A) ELASTIC ELASTIC D(A)
472 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/30 (1965) G.A. GRIN, C. JOSEPH, B. VAUCHER, J.C. ALDER, A. KENCHEZ (U. LAUSANNE) TIME OF FLIGHT OF INELASTIC NEUTRONS MEASURED IN COINCIDENCE WITH C12 OR 3 ALPHA SCINTILLATIONS IN PLASTIC SCINTILLATOR TARGET	6-C -12	1.41+01 1.41+01	1	N,N'
473 PHYS. REV. 100, 83 (1955) M.A. ROTHMAN, H.S. HANS, C.E. MANDEVILLE (BARTOL) RING SCATTERER. NO MULTIPLE SCATTERING CORRECTIONS, MADE	13-AL-27 14-SI-28 26-FE-56 51-SB-NAT	3.70+00 3.70+00 3.70+00 3.70+00 3.70+00 3.70+00 3.70+00 3.70+00	3 1 2 1	N,XO D(A) N,XO D(A) N,XO D(A) N,XO D(A)
474 PHYS. REV. 106, 155 (1957) I. KUMABE, E. TAKEKOSHI, H. OGATA, Y. TSUNEOKA, S. OKI (KYOTO)	13-AL-27	1.48+01 1.48+01	8	N,A D(A)
475 PRIVATE COMMUNICATION (1959) W.G. CROSS, R.L. CLARKE (CHALK RIVER)	12-MG-NAT	1.41+01 1.41+01	14	ELASTIC D(A)
476 PHYS. REV. 103, 343 (1956) L. CRANBERG, J.S. LEVIN (LASL) TIME OF FLIGHT. RESULTS RELATIVE TO 90 DEGREES CM SYSTEM	9-F -19 11-NA-23 12-MG-NAT	2.45+00 2.45+00 2.45+00 2.45+00 2.45+00 2.45+00	2 1 1	N,N' D(A) N,N' D(A) N,N' D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
13-AL-27	2.45+00 2.45+00	1 N,N'	D(A)
15-P -31	2.45+00 2.45+00	1 N,N'	D(A)
22-TI-NAT	2.25+00 2.45+00	20 ELASTIC	D(A)
22-TI-48	2.45+00 2.45+00	1 N,N'	D(A)
22-TI-48	2.45+00 2.45+00	9 N,N'	D(A)
23-V -NAT	2.45+00 2.45+00	2 N,N'	D(A)
24-CP-NAT	2.45+00 2.45+00	1 N,N'	D(A)
25-MN-55	2.45+00 2.45+00	3 N,N'	D(A)
26-FE-NAT	2.25+00 2.45+00	25 ELASTIC	D(A)
26-FE-56	2.45+00 2.45+00	1 N,N'	D(A)
26-FE-56	2.45+00 2.45+00	15 N,N'	D(A)
27-CO-59	2.45+00 2.45+00	3 N,N'	D(A)
28-NI-NAT	2.45+00 2.45+00	1 N,N'	D(A)
28-NI-NAT	2.45+00 2.45+00	9 N,N'	D(A)
29-CU-NAT	2.45+00 2.45+00	5 N,N'	D(A)
30-ZN-NAT	2.45+00 2.45+00	1 N,N'	D(A)
33-AS-75	2.45+00 2.45+00	3 N,N'	D(A)
34-SE-NAT	2.45+00 2.45+00	2 N,N'	D(A)
40-ZR-NAT	2.45+00 2.45+00	1 N,N'	D(A)
42-MO-NAT	2.45+00 2.45+00	2 N,N'	D(A)
48-CO-NAT	2.45+00 2.45+00	3 N,N'	D(A)
50-SN-NAT	2.45+00 2.45+00	1 N,N'	D(A)
52-TE-NAT	2.45+00 2.45+00	1 N,N'	D(A)
RADIO LEAD	2.45+00 2.45+00	3 N,N'	D(A)
83-BI-209	2.45+00 2.45+00	2 N,N'	D(A)
92-U -238	2.45+00 2.45+00	1 N,N'	D(A)

477 NUCLEAR PHYS. 55, 643 (1964) E.A.DAVIS, T.M.BONNER,
D.M.WORLEY, JR., R.BASS (RICE)
GRID TYPE ION CHAMBER

18-AR-36	1.21+00 5.70+00	175 N,P
18-AR-36	1.21+00 8.66+00	307 N,A
18-AR-40	5.66+00 8.95+00	86 N,A

478 NUCLEAR PHYS. 39, 621 (1962) G.CALVI, R.POTENZA, R.RICAMO,
D.VINCIGUERRA (CATANIA)
PRIVATE COMMUNICATION VIA BNL SIGMA CENTER 1/65, TRANSMISSION
FOR TOTAL CROSS-SECTION, NO MULTIPLE SCATTERING CORRECTION.
ACTIVATION FOR N,P, NORMALIZED TO BNL 325 (1958) BETWEEN 4.5
AND 5 MEV. ACTIVATION FOR N,GAMMA, NORMALIZED TO
UCRL-5226 (REV) (1959) AROUND 3.5 MEV

13-AL-27	2.48+00 5.21+00	100 TOTAL
13-AL-27	3.44+00 5.00+00	30 N,P
13-AL-27	2.62+00 5.10+00	48 N,P

479 PHYS. REV. 98, 634 (1955) R.N.LITTLE, JR., B.R.LEONARD, JR.,
J.T.PRUD'HOMME, L.D.VINCENT (U. OF TEXAS)

6-C -NAT	2.72+00 2.72+00	8 ELASTIC	D(A)
13-AL-27	2.72+00 2.72+00	12 ELASTIC	D(A)
16-S -NAT	2.72+00 2.72+00	18 ELASTIC	D(A)

480 PHYS. REV. 98, 728 (1955) J.L.FOWLER, C.H.JOHNSON (ORNL)

7-N -NAT	9.70+01 2.36+00	323 ELASTIC	D(A)
7-N -14	1.12+00 2.25+00	11 RES.PARAM.	

481 PHYS. REV. 98, 1300 (1955) W.J.RHEIN (U. OF TEXAS)

82-TR-NAT	3.70+00 1.50+01	46 EMISS	D(A)
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482 PHYS. REV. 100, 121 (1955) A.GALONSKY, J.P.JUDISH (ORNL)

1-H -1	1.79+01 1.79+01	11 ELASTIC	D(A)
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483 PHYS. REV. 101, 684 (1956) J.O.ELLIOT (ORNL AND MARYLAND U.)

16-S -NAT	1.40+01 1.40+01	11 ELASTIC	D(A)
26-FE-NAT	1.40+01 1.40+01	11 ELASTIC	D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
483	49-IN-NAT 73-TA-NAT 83-BI-209	1.40+01 1.40+01 4.00+00 1.40+01 1.40+01 1.40+01	11 11 12	ELASTIC D(A) ELASTIC D(A) ELASTIC D(A)
484 PHYS. REV. 101, 755 (1956) H.B.WILLARD, J.K.BAIR, J.D.KINGTON, H.O.COHN (ORNL)	3-LI-6 3-LI-6 3-LI-7 3-LI-7	2.10-01 3.00-01 2.55-01 2.55-01 2.00-01 6.00-01 2.56-01 2.56-01	24 4 21 3	ELASTIC D(A) RES.PARAM. ELASTIC D(A) RES.PARAM.
485 PHYS. REV. 103, 1031 (1956) J.L.MORGAN (UNIV.TEXAS) NAI(TL) CRYSTAL SPECTROMETER, RING GEOMETRY, NO MULTIPLE SCATTERING CORRECTION	13-AL-27 16-S -NAT 26-FE-NAT	3.50+00 4.55+00 3.70+00 3.70+00 3.7+00 5.00+00	23 1 20	N,XO D(A) N,XO D(A) N,XO D(A)
486 PHYS. REV. 104, 1069 (1956) J.B.WEDDELL (WESTINGHOUSE)	13-AL-27 13-AL-27 20-CA-NAT 24-CR-NAT 24-CR-52 83-BI-209 83-BI-209 83-BI-209	4.40+00 4.40+00 4.40+01 4.40+00 4.40+01 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00	1 3 1 1 3 1 1 1	ELASTIC D(A) N,N' D(A) ELASTIC D(A) ELASTIC D(A) N,N' D(A) ELASTIC D(A) N,N' D(A) N,N' E1-E2,D(A)
487 SOVIET PROGRESS IN NEUTRON PHYSICS, PAGE 185 (1961) K.M.MIKHAELINA, A.A.NOHOFILOV, T.A.ROMANOVA, V.A.SVIRIDOV, F.A.TIKHOMIROV, K.D.TOLSTOV (USSR) (RUSSIAN TEXT PUBLISHED BY GOSATOMIZDAT, MOSCOW 1961. TRANS- LATION PUBLISHED BY CONSULTANTS BUREAU, NEW YORK 1962) NUCLEAR EMULSIONS	3-LI-6 3-LI-6 3-LI-6 3-LI-6 3-LI-7 3-LI-7 3-LI-7 3-LI-7	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 1 1 1 1 1 1 1	N,EN N,N'D N,P N,T N,N' N,N'T N,D N,T
488 HELV. PHYS. ACTA 27, 577 (1954) R.W.MEIER, P.SCHERRER, G.TRUMPY (ZURICH)	6-C -NAT 6-C -12	2.40+00 3.65+00 2.95+00 3.65+00	91 6	ELASTIC D(A) RES.PARAM.
489 PHYS. REV. 109, 69 (1956) J.L.FOWLER, H.O.COHN (ORNL) RESOLUTION HAS 50 KEV.	8-O -NAT 8-O -16	7.30-01 2.15+00 1.00+00 1.00+00	60 1	ELASTIC D(A) RES.PARAM.
490 ATOMNAYA ENERGIYA 4, 191 (1958) V.M.GORBACHEV, L.B.PORETSKII (USSR) TRANSLATED IN SOVIET J. ATOMIC ENERGY 4, 259 (1958) J. NUCLEAR ENERGY 9, 159 (1958) SPHERE TRANSMISSION, NOT CORRECTED FOR MULTIPLE SCATTERING	3-LI-6 3-LI-7 4-BE-9 5-B -NAT - -NAT	1.40+01 1.40+01 1.40+01 1.40+01 1.41+01 1.41+01 1.41+01 1.41+01 1.40+01 1.40+01	1 1 1 1 1	NONELAS NONELAS NONELAS NONELAS NONELAS
491 ATOMNAYA ENERGIYA SUPPL. 6, 71 (1957) L.N.KATSOURIV, R.M.MUSAEIAN, V.I.POPOV (USSR) TRANSMISSION OF TRITIATED WATER, NO CORRECTION FOR MULTIPLE SCATTERING	1-H -3	2.50+00 1.40+01	2	TOTAL
492 ATOMNAYA ENERGIYA SUPPL. 6, 75 (1957) A.V.ELPIDINSKII, F.L.SHAPIRO, I.V.SHTRANIKH (USSR)	3-LI-6	2.50+00 2.50+00	1	N.A

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

493 ATOMNAYA ENERG. SUPPL. 5, 90 (1957) L.N.KATSAUROV,
R.M.MUSACLIAN, V.I.POPOV (USSR)
TRANSMISSION. NO CORRECTION FOR MULTIPLE SCATTERING

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3-LI-5	2.50+00 1.40+01	2	TOTAL
3-LI-7	2.50+00 1.40+01	2	TOTAL

494 DOKLADY AKAD. NAUK S.S.S.R. 119, 914 (1958) S.S.VASIL'EV,
V.V.KOMAROV, A.M.POPOVA (USSR)
NUCLEAR EMULSIONS
J. EXPTL. THEORET. PHYS. (USSR) 33, 527 (1957)

4-BE-9	1.40+01 1.60+01	3	N,T
4-BE-9	1.00+00 7.00+00	7	N,A

495 PHYS. REV. 112, 976 (1958) B.D.KERN, W.E.KREGER (USNRDL)
SCINTILLATION CRYSTAL BOTH TARGET AND DETECTOR
USNRDL-TR-280 (1958)

3-LI-6	1.25+01 1.82+01	35	N,T
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496 PHYS. REV. 112, 1964 (1958) M.E.WYMAN, E.M.FRYER,
H.M.THORPE (LASL)
COUNTED TRITIUM BETA DECAY

4-BE-9	1.41+01 1.41+01	1	N,T
5-B -10	4.00+00 1.41+01	4	N,T
5-B -10	2.20+00 2.00+00	1	N,T
5-B -11	1.41+01 1.41+01	1	N,T

SPECT.AV.

497 PHYS. REV. 112, 1182 (1958) H.H.LANDON, A.J.F.LWYN,
G.N.GLASOE, S.OLEKSA (BNL)

26-FE-NAT	2.20+00 2.20+00	1	TOTAL
26-FE-NAT	2.20+00 2.20+00	1	ELASTIC
26-FE-NAT	2.20+00 2.20+00	1	N,N'
26-FE-NAT	2.20+00 2.20+00	14	ELASTIC D(A)
26-FE-NAT	2.20+00 2.20+00	13	N,N' D(A)
39-Y -89	2.20+00 2.20+00	1	TOTAL
39-Y -89	2.20+00 2.20+00	1	ELASTIC
39-Y -89	2.20+00 2.20+00	14	ELASTIC D(A)
39-Y -89	2.20+00 2.20+00	13	N,N' D(A)
82-PB-206	2.20+00 2.20+00	14	ELASTIC D(A)
RADIO LEAD	2.20+00 2.20+00	2	N,N'
RADIO LEAD	2.20+00 2.20+00	11	N,N' D(A)

498 PRIVATE COMMUNICATION (1959) L.M.BOLLINGER, R.E.COTE,
O.A.DAHLBERG, G.E.THOMAS (ANL)
VIA BNL SIGMA CENTER. FAST CHOPPER. AREA ANALYSIS

56-SA-NAT	1.80+05 1.24+03	710	TOTAL
90-TH-232	1.95+04 2.63+04	20	RES.PARAM.

499 PHYS. REV. 105, 1816 (1957) J.D.SEAGRAVE, L.CRANBERG
(LASL)

1-H -2	2.45+00 3.27+00	17	ELASTIC D(A)
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500 PHYS. REV. 114, 1584 (1959) J.B.MARION, J.S.LEVIN,
L.CRANBERG (LASL)
TIME OF FLIGHT TECHNIQUE. THE TOTAL CROSS SECTION DATA
BELOW 5 MEV AND THE ELASTIC SCATTERING DATA BELOW 4.1 MEV
HAVE BEEN SUPERCEDED BY THE RESULTS OF REFERENCE 1645. SEE
ALSO REFERENCE 1645

4-BE-9	5.00+00 6.00+00	2	TOTAL
4-BE-9	4.10+00 6.00+00	3	ELASTIC
4-GE-9	3.50+00 5.00+00	3	N,N'
4-BE-9	4.10+00 6.00+00	30	ELASTIC D(A)
4-BE-9	3.00+00 5.00+00	35	N,N' D(A)

501 GRONINGEN. UNIVERSITY OF (1957) H.NAUTA
'DIFFERENTIAL ELASTIC SCATTERING CROSS SECTIONS FOR 14 MEV
NEUTRONS'
NUCLEAR PHYS. 2, 124 (1956)

30-ZN-NAT	1.40+01 1.40+01	10	ELASTIC D(A)
34-SE-NAT	1.40+01 1.40+01	12	ELASTIC D(A)
50-SN-NAT	1.40+01 1.40+01	13	ELASTIC D(A)
51-SB-NAT	1.40+01 1.40+01	13	ELASTIC D(A)
74-W -NAT	1.40+01 1.40+01	15	ELASTIC D(A)
80-HG-NAT	1.40+01 1.40+01	16	ELASTIC D(A)
82-PB-NAT	1.40+01 1.40+01	15	ELASTIC D(A)

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF. NO. - 502

[illegible]

19-K -NAT 3.65+00 3.65+00 22 ELASTIC DIA

2-HE-3 1.40-01 1.48+01 30 TOTAL

1-H -1	2.95+0	1.31+01	38	TOTAL
3-L1-NAT	2.80+0	0.70+00	26	TOTAL
3-L1-6	2.80+0	0.70+00	26	TOTAL
4-BE-9	2.60+0	1.39+01	33	TOTAL
5-B -NAT	2.82+0	0.70+00	33	TOTAL
5-B -10	2.82+0	0.70+00	26	TOTAL
6-C -NAT	2.5+0	1.35+01	38	TOTAL
7-N -NAT	2.70+0	1.32+01	61	TOTAL
9-0 -NAT	2.90+0	1.30+01	52	TOTAL
9-F -19	2.76+0	1.32+01	30	TOTAL
12-HG-NAT	2.78+0	1.32+01	30	TOTAL
13-AL-27	2.92+0	1.30+01	35	TOTAL
14-S1-NAT	2.84+0	1.32+01	41	TOTAL
15-S -31	2.80+0	1.31+01	31	TOTAL
16-S -NAT	2.92+0	1.32+01	39	TOTAL
17-CL-NAT	2.80+0	1.31+01	30	TOTAL
22-T1-NAT	2.70+0	1.23+01	28	TOTAL
25-HM-55	2.70+0	1.32+01	29	TOTAL
26-CE-FE	2.50+0	1.41+01	21	TOTAL
27-CO-59	2.70+0	1.31+01	29	TOTAL
28-NI -NAT	2.70+0	1.31+01	28	TOTAL
29-CU-NAT	2.90+0	1.41+01	17	TOTAL
30-ZN-NAT	2.70+0	1.31+01	29	TOTAL
34-SE-NAT	2.75+0	1.32+01	28	TOTAL
35-BR-NAT	2.80+0	1.25+01	27	TOTAL
40-ZR-NAT	2.90+0	1.41+01	22	TOTAL
42-HO-NAT	2.75+0	1.31+01	29	TOTAL
47-AO-NAT	2.70+0	1.33+01	22	TOTAL
48-CO-NAT	2.70+0	1.32+01	19	TOTAL
50-SN-NAT	2.60+0	1.32+01	21	TOTAL
51-SR-NAT	2.80+0	1.32+01	20	TOTAL
52-TE-NAT	2.80+0	1.32+01	24	TOTAL
57-LA-NAT	2.70+0	1.32+01	16	TOTAL
73-TA-NAT	2.70+0	1.31+01	20	TOTAL
74-W -NAT	2.70+0	1.29+01	21	TOTAL
79-AU-197	2.75+0	1.30+01	31	TOTAL
80-HG-NAT	2.82+0	1.31+01	30	TOTAL
81-TL-NAT	2.75+0	1.30+01	31	TOTAL
82-PB-NAT	2.93+0	1.30+01	33	TOTAL
83-B1-209	2.92+0	1.32+01	34	TOTAL
92-U -NAT	2.90+0	1.41+01	20	TOTAL

3-L1-NAT	2.37+00	7.84+00	19 TOTAL
3-L1-NAT	3.29+00	3.29+00	1 TOTAL
4-CR-NAT	2.37+00	7.84+00	27 TOTAL

3-L1-6 1.20+00 7.96+00 31 N.A

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1	0.000-0.005	1	0.000-0.005
2	0.005-0.010	1	0.005-0.010
3	0.010-0.015	1	0.010-0.015
4	0.015-0.020	1	0.015-0.020
5	0.020-0.025	1	0.020-0.025
6	0.025-0.030	1	0.025-0.030
7	0.030-0.035	1	0.030-0.035
8	0.035-0.040	1	0.035-0.040
9	0.040-0.045	1	0.040-0.045
10	0.045-0.050	1	0.045-0.050
11	0.050-0.055	1	0.050-0.055
12	0.055-0.060	1	0.055-0.060
13	0.060-0.065	1	0.060-0.065
14	0.065-0.070	1	0.065-0.070
15	0.070-0.075	1	0.070-0.075
16	0.075-0.080	1	0.075-0.080
17	0.080-0.085	1	0.080-0.085
18	0.085-0.090	1	0.085-0.090
19	0.090-0.095	1	0.090-0.095
20	0.095-0.100	1	0.095-0.100
21	0.100-0.105	1	0.100-0.105
22	0.105-0.110	1	0.105-0.110
23	0.110-0.115	1	0.110-0.115
24	0.115-0.120	1	0.115-0.120
25	0.120-0.125	1	0.120-0.125
26	0.125-0.130	1	0.125-0.130
27	0.130-0.135	1	0.130-0.135
28	0.135-0.140	1	0.135-0.140
29	0.140-0.145	1	0.140-0.145
30	0.145-0.150	1	0.145-0.150
31	0.150-0.155	1	0.150-0.155
32	0.155-0.160	1	0.155-0.160
33	0.160-0.165	1	0.160-0.165
34	0.165-0.170	1	0.165-0.170
35	0.170-0.175	1	0.170-0.175
36	0.175-0.180	1	0.175-0.180
37	0.180-0.185	1	0.180-0.185
38	0.185-0.190	1	0.185-0.190
39	0.190-0.195	1	0.190-0.195
40	0.195-0.200	1	0.195-0.200
41	0.200-0.205	1	0.200-0.205
42	0.205-0.210	1	0.205-0.210
43	0.210-0.215	1	0.210-0.215
44	0.215-0.220	1	0.215-0.220
45	0.220-0.225	1	0.220-0.225
46	0.225-0.230	1	0.225-0.230
47	0.230-0.235	1	0.230-0.235
48	0.235-0.240	1	0.235-0.240
49	0.240-0.245	1	0.240-0.245
50	0.245-0.250	1	0.245-0.250
51	0.250-0.255	1	0.250-0.255
52	0.255-0.260	1	0.255-0.260
53	0.260-0.265	1	0.260-0.265
54	0.265-0.270	1	0.265-0.270
55	0.270-0.275	1	0.270-0.275
56	0.275-0.280	1	0.275-0.280
57	0.280-0.285	1	0.280-0.285
58	0.285-0.290	1	0.285-0.290
59	0.290-0.295	1	0.290-0.295
60	0.295-0.300	1	0.295-0.300
61	0.300-0.305	1	0.300-0.305
62	0.305-0.310	1	0.305-0.310
63	0.310-0.315	1	0.310-0.315
64	0.315-0.320	1	0.315-0.320
65	0.320-0.325	1	0.320-0.325
66	0.325-0.330	1	0.325-0.330
67	0.330-0.335	1	0.330-0.335
68	0.335-0.340	1	0.335-0.340
69	0.340-0.345	1	0.340-0.345
70	0.345-0.350	1	0.345-0.350
71	0.350-0.355	1	0.350-0.355
72	0.355-0.360	1	0.355-0.360
73	0.36		

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

506	PHYS. REV. 115, 1707 (1959) IONIZATION CHAMBER. NORMALIZED TO U238 AND NP237 FISSION CROSS-SECTION				
507	PRIVATE COMMUNICATION (1959) C.T.H(BDON (ANL) PHYS. REV. 114, 179 (1959) TRANSMISSION. RESONANCE INVESTIGATED BY SELF-DETECTION. RESOLUTION WAS ABOUT 400 EV.	13-AL-27 13-AL-27	1.50-03 4.48-01 6.00-03 4.45-01	518 TOTAL 195 RES.PARAM.	
508	PRIVATE COMMUNICATION (1959) E.G.BILPUCH, K.K.SETH, C.D.BOWMAN, L.M.WESTON, H.W.NEWSON (DUKE) VIA BNL SIGMA CENTER 1/65. ONE HUNDRED SIXTY DEGREE SPECTROMETER	19-K -NAT 60-ND-NAT 78-PT-NAT 79-AU-197	2.00-03 3.16-01 3.00-03 2.95-01 5.00-03 2.95-01 5.00-03 2.95-01	368 TOTAL 62 TOTAL 99 TOTAL 61 TOTAL	
509	PRIVATE COMMUNICATION (1954) H.W.NEWSON (DUKE) VIA BROOKHAVEN CROSS-SECTIONS CENTER. TRANSMISSION	19-K -NAT	1.32-01 3.15-01	56 TOTAL	
510	NUCLEAR SCIENCE AND ENGINEERING 27, 85 (1967) H.R.VON GUNTEN, R.F.BUCHANAN, A.WYTENBACH, K.BEHRINGER (SWITZERLAND) COMPARED FISSION RATE RELATIVE TO TH RELATIVE TO A FISSION CROSS SECTION OF 142 MB FOR TH232 AND A THRESHOLD OF 0.9 MEV FOR PA233.	91-PA-233	2.00+00 2.00+00	1 N,FISS SPECT.AV.	
511	PRIVATE COMMUNICATION (1956) P.A.EGELSTAFF, D.B.GAYTHER, K.P.NICHOLSON (MARMELL) VIA BROOKHAVEN CROSS-SECTIONS CENTER	58-CE-NAT 59-PR-141 62-SM-NAT 63-EU-NAT 64-OD-NAT 66-DY-NAT 73-TA-NAT 74-M -NAT	2.88-05 3.60-02 7.97-04 2.39-02 7.97-04 2.39-02 7.97-04 2.39-02 7.97-04 2.39-02 7.97-04 2.39-02 7.97-04 2.39-02 7.97-04 2.39-02	192 TOTAL 18 TOTAL 18 TOTAL 18 TOTAL 18 TOTAL 17 TOTAL 18 TOTAL 18 TOTAL	
512	PRIVATE COMMUNICATION (1958) O.D.SIMPSON (MTR) VIA BROOKHAVEN CROSS-SECTIONS CENTER. MTR FAST CHOPPER.	60-ND-NAT 62-SM-NAT 62-SM-152 64-GC-NAT	9.60-07 1.25-02 5.99-07 1.78-05 8.00-06 8.00-06 1.16-06 9.93-06	448 TOTAL 373 TOTAL 2 RES.PARAM. 203 TOTAL	
513	ORNL-3582 PAGE 90 (1964) J.L.FOWLER, C.H.JOHNSON (ORNL) CORRECTED FOR MULTIPLE SCATTERING	8-O -16	3.35+00 3.90+00	36 ELASTIC D(A)	
514	PRIVATE COMMUNICATION (1955) R.C.ALLEN (LASL) VIA BROOKHAVEN CROSS-SECTIONS CENTER	82-P2-NAT 82-PB-NAT 83-B1-209	8.00-01 1.60+00 8.00-01 1.60+00 8.00-01 1.60+00	8 NONELAS 8 N,N' 9 N,N'	
515	PRIVATE COMMUNICATION (1954) R.L.MENKEL (LASL) VIA BROOKHAVEN CROSS-SECTIONS CENTER. CORRECTED FOR LONG COUNTER EFFICIENCY. SEE ALSO REFERENCE 18	90-TH-232	1.20+00 8.47+00	220 N,FISS	
516	PRIVATE COMMUNICATION (1955) R.F.TASCHEK (LASL) VIA BROOKHAVEN CROSS-SECTIONS CENTER	92-U -233	1.47+00 1.60+00	2 NONELAS	
517	AECO-4256 (1957) R.L.MENKEL, R.A.NOBLIS, R.K.SMITH (LASL)	94-PU-240	2.70-01 8.12+00	21 N,FISS	
REF BIBLIOGRAPHY		TARGET	EN. RANGE (MEV)	PTS DESCRIPTION	

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
522 TRANSLATED IN SOVIET PHYS. DOKLADY 1, 598 (1956)				
523 NUCLEAR PHYS. 14, 277 (1959) F.GABBARD, H.BICHSEL, T.W.BONNER (RICE)	7-N -14	4.01+00 8.19+00	114	N,X-CP
	7-N -14	1.28+00 4.13+00	131	N,P
GRID TYPE ION CHAMBER. VALUES REVISED BY PVT. COMMUNICATION.	7-N -14	5.36+00 8.19+00	65	N,T
RESOLUTION VARIED FROM 15 TO 90 KEV.	7-N -14	1.28+00 8.19+00	430	N,A
	7-N -14	1.35+00 8.00+00	50	RES.PARAM.
524 PHYS. REV. 113, 256 (1959) S.J.BAME,JR., R.L.CUBITT (LASL) ACTIVATION. FLUX MONITORED WITH U235 FISSION DETECTOR	11-NA-23	2.00-02 9.90-01	19	N,G
	53-I -127	2.00-02 9.90-01	34	N,G
	79-AU-197	1.E-01 1.90-01	1	N,G
525 PHYS. REV. 114, 1580 (1959) S.J.BAME,JR., R.L.CUBITT (LASL) L161(EU) CRYSTAL SCINTILLATION, BOTH TARGET AND DETECTOR. RENORMALIZED BY AUTHOR IN PRIVATE COMMUNICATION TO L.STEWART, LASL, AUGUST 1965	3-L1-6	9.00-03 3.42-01	29	N,T
	3-L1-6	1.50-01 5.65-01	42	N,T DIA)
526 PHYS. REV. 114, 1619 (1959) H.S.LYON, R.L.MACKLIN (ORNL) ABSOLUTE GAMMA COUNTING. RDTH-D20 NEUTRON SOURCE. NORMALIZED TO 54 MINUTES INDIUM VALUE OF 195 +/- 10 MILLIBARNS	11-NA-23	1.95-01 1.95-01	1	N,G
	23-V -51	1.95-01 1.95-01	1	N,G
	25-MN-55	1.95-01 1.95-01	1	N,G
	29-CU-63	1.95-01 1.95-01	1	N,G
	29-CU-65	1.95-01 1.95-01	1	N,G
	31-GA-71	2.50-02 1.95-01	2	N,G
	32-GE-74	1.95-01 1.95-01	1	N,G
	33-AS-75	1.95-01 1.95-01	1	N,G
	35-BR-81	1.95-01 1.95-01	1	N,G
	40-ZR-94	2.50-02 1.95-01	2	N,G
	40-ZR-96	1.95-01 1.95-01	1	N,G
	42-MO-98	1.95-01 1.95-01	1	N,G
	42-MO-100	1.95-01 1.95-01	1	N,G
	44-RU-96	1.95-01 1.95-01	1	N,G
	44-RU-102	1.95-01 1.95-01	1	N,G
	44-RU-104	1.95-01 1.95-01	1	N,G
	46-PO-108	1.95-01 1.95-01	1	N,G
	47-AG-107	1.95-01 1.95-01	1	N,G
	49-IN-115	1.95-01 1.95-01	1	N,G
	51-SB-121	1.95-01 1.95-01	1	N,G
	51-SB-123	1.95-01 1.95-01	1	N,G
	53-I -127	1.95-01 1.95-01	1	N,G
	56-SA-138	1.95-01 1.95-01	1	N,G
	57-LA-139	1.95-01 1.95-01	1	N,G
	68-CE-142	1.95-01 1.95-01	1	N,G
	59-FR-141	2.50-02 1.95-01	2	N,G
	62-SM-152	1.95-01 1.95-01	1	N,G
	64-GD-158	1.95-01 1.95-01	1	N,G
	74-W -186	1.95-01 1.95-01	1	N,G
	76-OS-180	1.95-01 1.95-01	1	N,G
	79-AU-197	1.95-01 1.95-01	1	N,G
	80-HG-202	1.95-01 1.95-01	1	N,G
	92-U -238	1.95-01 1.95-01	1	N,G

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
527 AUSTRALIAN J. PHYS. 12, 103 (1959) K.H.PURSER, E.W.TITTERTON (CANBERRA)	28-NI-58 28-NI-58 28-NI-58	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 N,2N 1 N,N'P 1 N,P
528 ATOMNAYA ENERGIYA 4, '90 (1958) A.N.PROTOPOPOV, YU.A.SELITSKII, S.M.SOLOV'EV (USSR)	90-TH-232 93-NP-237	1.46+01 1.46+01 1.46+01 1.46+01	1 N,FISS 1 N,FISS
529 J. EXPTL. THEORET. PHYS. (USSR) 35, 532 (1958) V.G.NESTEROV, G.N.SHIRENKIN (USSR) DOUBLE IONIZATION CHAMBER. RELATIVE TO PU239 FISSION CROSS SECTION	94-PU-240	1.40-01 4.00+00	18 N,FISS
530 J. PHYS. RADIUM 20, 621 (1959) C.X.CHUAN (OK3AY)	4-BE-9	1.40+01 1.40+01	1 N,2N
531 NUCLEAR PHYS. 9, 334 (1958) R.S.SCALAN, R.W.FINK (UNIV. ARK.) ACTIVATION. NORMALIZED TO 556 MILLIBARNS FOR CU63(N,2N)	17-CL-35 17-CL-35 17-CL-37 17-CL-37 29-CU-65	1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01	1 N,2N 1 N,A 1 N,P 1 N,A 1 N,P
532 NUCLEAR PHYS. 12, 291 (1959) M.E.BATTAT, R.O.BONDELID, J.H.COOP, L.CRANBERG, R.B.DAY, F.EDESKUTY, A.H.FRENTROP, R.L.HENKEL, R.L.MILLS,JR., R.A.NOBLES, J.E.PERRY,JR., D.D.PHILLIPS, T.R.ROBERTS, S.G.SYDORIAK (LASL) TRANSMISSION. GASEOUS SAMPLES AT HIGH PRESSURE	1-H -1 1-H -3 2-HE-NAT 2-HE-3	1.41+01 1.41+01 2.80-01 2.00+01 9.40-01 2.00+01 1.60+01 2.14+01	1 TOTAL 23 TOTAL 20 TOTAL 10 TOTAL
533 NUCLEAR PHYS. 10, 226 (1959) B.D.KERN, W.E.THOMPSON, J.M.FERGUSON (USNRDL) GAMMA COUNTING FROM ACTIVATION	12-MG-24 13-AL-27 14-SI-28 24-CR-52 25-FE-56	1.30+01 1.30+01 1.30+01 1.57+01 1.23+01 1.82+01 1.23+01 1.82+01 1.52+01 1.52+01	1 N,P 12 N,A 24 N,P 25 N,P 1 N,P
534 PRIVATE COMMUNICATION (1959) H.W.NEWMAN, R.C.BLOCK, P.F.NICHOLS, A.TAYLOR, A.K.FURR, E.MERZBACHER (DUKE) ANN. PHYS. (N.Y.) 8, 211 (1959) TRANSMISSION. RESOLUTION WAS 250 EV BELOW 25 KEV AND 1 PERCENT ABOVE 25 KEV.	12-MG-NAT 12-MG-24 12-MG-25 12-MG-25 12-MG-26 12-MG-26 14-SI-28 28-NI-58 28-NI-60 40-ZR-90 40-ZR-92 40-ZR-94 58-CE-140 58-CE-142	1.10-02 3.70-01 6.30-02 2.60-01 1.40-02 3.69-01 2.10-02 1.05-01 1.50-02 3.69-01 3.00-01 3.00-01 5.50-02 1.88-01 1.50-03 2.72-01 2.00-03 2.67-01 1.00-03 1.40-01 1.00-03 1.40-01 1.00-03 1.40-01 1.00-03 6.00-02 2.00-04 6.00-02	64 TOTAL 5 RES.PARAM. 60 TOTAL 6 RES.PARAM. 36 TOTAL 1 RES.PARAM. 6 RES.PARAM. 177 TOTAL 192 TOTAL 156 TOTAL 147 TOTAL 162 TOTAL 101 TOTAL 118 TOTAL
535 J. PHYS. SOC. JAPAN 12, 4'3 (1957) S.YASUMI (JAPAN)	13-AL-27 13-AL-27 26-FE-56 29-CU-63 30-ZN-64	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 N,P 1 N,P 1 N,P 1 N,2N 1 N,2N

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
535	30-ZN-66	1.41+01 1.41+01	1	N,P
	42-MO-92	1.35+01 1.48+01	4	N,2N
	47-AG-107	1.41+01 1.41+01	1	N,2N
	47-AG-109	1.41+01 1.41+01	1	N,2N
536 J. PHYS. SOC. JAPAN 13, 129 (1958) I.KUMABE, E.TAKEKOSHI, H. OGATA, Y. TSUNEOKA, S. OKI (KYOTO) NUCLEAR EMULSIONS	25-MN-55	1.48+01 1.48+01	1	N,A
	25-MN-55	1.48+01 1.48+01	9	N,A D(A)
	27-CO-59	1.43+01 1.48+01	1	N,XA
	27-CO-59	1.48+01 1.48+01	9	N,XA D(A)
537 J. PHYS. SOC. JAPAN 13, 325 (1958) I.KUMABE (KYOTO)	13-AL-27	1.48+01 1.48+01	1	N,XA
	16-S -32	1.44+01 1.48+01	1	N,A
	16-S -32	1.48+01 1.48+01	9	N,A D(A)
	23-V -NAT	1.48+01 1.48+01	9	N,A D(A)
	23-V -51	1.48+01 1.48+01	1	N,N'A
	23-V -51	1.48+01 1.48+01	1	N,A
	27-CO-59	1.48+01 1.48+01	1	N,XA D(A)
538 J. PHYS. SOC. JAPAN 13, 431 (1958) S.MORITA (KYUSHU UNIV.) ACTIVATION. NORMALIZED TO 70 MILLIBARNS AT 3.2 MEV	15-P -31	3.20+00 5.20+00	10	N,P
539 J. PHYS. SOC. JAPAN 14, 554 (1959) M.SAKISAKA (JAPAN) NUCLEAR EMULSIONS	4-BE-9	1.41+01 1.41+01	1	N,2N
	5-B -11	1.41+01 1.41+01	1	N,A
540 PHYS. REV. 113, 1088 (1959) T.W.BONNER, J.C.SLATTERY (RICE)	29-CU-NAT	8.20+00 2.00+01	6	NONELAS
	47-AG-NAT	8.20+00 2.00+01	6	NONELAS
	50-SN-NAT	8.20+00 1.85+01	5	NONELAS
	82-PB-NAT	8.20+00 1.85+01	5	NONELAS
	83-BI-209	8.20+00 1.85+01	5	NONELAS
541 PHYS. REV. 114, 565 (1959) J.RAPAPORT, J.J.VAN LOEF (CHILE)	30-ZN-64	1.99+00 3.55+00	12	N,P
542 TID-12547 (1951) K.W.SEEMANN, W.E.MOORE (KAPL)	8-C -16	1.44+01 1.44+01	1	N,P
544 BULL. AM. PHYS. SOC. 4, 358 (1959) E.HADDAD, D.D.PHILLIPS (LASL) PULSED BEAM TIME OF FLIGHT	6-C -NAT	5.00+00 7.00+00	3	ELASTIC
	6-C -NAT	6.00+00 7.00+00	30	ELASTIC D(A)
	6-C -12	6.00+00 7.00+00	3	N,N'
	6-C -12	6.00+00 7.00+00	30	N,N' D(A)
545 BULL. AM. PHYS. SOC. 4, 359 (1959) C.W.COCK, H.W.SCHMITT (ORNL)	53-I -127	2.50-02 2.50-02	1	N,0
546 PRIVATE COMMUNICATION (1958) K.K.SETH (DUKE U.) VIA BROOKHAVEN CROSS-SECTIONS CENTER	29-CU-NAT	5.50-02 2.50-01	40	TOTAL
	30-ZN-NAT	5.00-03 1.90-01	112	TOTAL
	40-ZR-NAT	1.20-02 2.50-01	49	TOTAL
	78-PT-NAT	8.26-06 1.65-04	373	TOTAL
547 PRIVATE COMMUNICATION (1959) N.NATH (BARTOL) NUCLEAR PHYS. 13, 74 (1959) NUCLEAR PHYS. 14, 78 (1960) DISK SCATTERER WITH NaI(TL) CRYSTAL SPECTROMETER	25-MN-55	1.22+00 2.47+00	15	N,XG
	41-NB-93	9.33-01 2.12+00	48	N,XG

REF BIBLIOGRAPHY

548 PRIVATE COMMUNICATION (1958) L.M.BOLLINGER (ANL)
 PHYS. REV. 111, 288 (1958) R.E.COTE, L.M.BOLLINGER.
 J.M.LEBLANC (ANL)
 PHYS. REV. 98, 1162 (1955)
 ENRICHED ISOTOPES

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
21-SC-45	2.91-03 1.34-02	29 TOTAL
21-SC-45	3.36-03 6.80-03	2 RES.PARAM.
23-V -NAT	4.01-04 8.94-02	108 TOTAL
23-V -50	1.67-04 1.43-03	5 RES.PARAM.
23-V -51	0. 1.20-02	1 AV.RES.PARAM.
23-V -51	4.18-03 1.15-02	4 RES.PARAM.
24-CR-NAT	2.78-05 9.21-03	132 TOTAL
24-CR-50	5.50-03 5.50-03	3 RES.PARAM.
24-CR-53	0. 2.00-02	1 AV.RES.PARAM.
25-MN-55	0. 1.50-02	1 AV.RES.PARAM.
27-CO-59	1.11-03 3.17-02	130 TOTAL
27-CO-59	4.33-03 3.00-02	8 RES.PARAM.
29-CU-NAT	6.52-04 3.04-02	253 TOTAL
29-CU-63	5.77-04 5.39-03	7 RES.PARAM.
29-CU-65	2.30-04 4.16-03	6 RES.PARAM.
33-AS-75	1.57-05 1.01-02	269 TOTAL
33-AS-75	0. 7.50-06	1 AV.RES.PARAM.
33-AS-75	4.70-05 7.46-04	32 RES.PARAM.

549 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., P/D-18(1968)
 M.J.SCHNEIDER (WESTINGHOUSE ASTRONUCLEAR)
 SINGLE LEVEL LEAST SQUARES ANALYSIS TO TOTAL CROSS SECTION OF
 REFERENCE 413 AND THE CAPTURE AND FISSION CROSS SECTION OF
 REFERENCE 1025. SEE THE REFERENCE FOR COMMENTS ON THE
 CONVERGENCE OF EACH RESONANCE

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
92-U -233	0. 6.13-05	3 AV.RES.PARAM.
92-U -233	1.45-06 6.13-05	159 RES.PARAM.

550 PROC. PHYS. SOC. (LONDON) 73, 215 (1959) R.F.COLEMAN,
 B.E.HAWKER, L.P.O'CONNOR, J.L.PERKIN (AWRE)
 ACTIV. ION. CHEMICAL SEPARATION

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
47-AG-109	1.45+01 1.45+01	1 N,P
49-IN-115	1.45+01 1.45+01	1 N,P
49-IN-115	1.45+01 1.45+01	1 N,A
52-TE-130	1.45+01 1.45+01	1 N,A
53-I -127	1.45+01 1.45+01	1 N,P
55-CS-133	1.45+01 1.45+01	1 N,A
56-BA-136	1.45+01 1.45+01	1 N,P
56-BA-138	1.45+01 1.45+01	1 N,P
57-LA-139	1.45+01 1.45+01	1 N,P
57-LA-139	1.45+01 1.45+01	1 N,A
58-CE-140	1.45+01 1.45+01	1 N,P
58-CE-142	1.45+01 1.45+01	1 N,P
58-CE-142	1.45+01 1.45+01	1 N,A
60-ND-142	1.45+01 1.45+01	1 N,P
60-ND-143	1.45+01 1.45+01	1 N,P
60-ND-146	1.45+01 1.45+01	1 N,A
63-EU-153	1.45+01 1.45+01	1 N,P
64-OD-156	1.45+01 1.45+01	1 N,A
64-OD-157	1.45+01 1.45+01	1 N,P
66-DY-162	1.45+01 1.45+01	1 N,A
71-LU-175	1.45+01 1.45+01	1 N,P
72-HF-178	1.45+01 1.45+01	1 N,A
74-W -184	1.45+01 1.45+01	1 N,P
74-W -186	1.45+01 1.45+01	1 N,P
75-RE-187	1.45+01 1.45+01	1 N,P
75-RE-187	1.45+01 1.45+01	1 N,A

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
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REF BIBLIOGRAPHY

550

TARGET EN. RANGE (MEV) PTS DESCRIPTION

76-OS-190 1.45+01 1.45+01 1 N,A
 77-IR-191 1.45+01 1.45+01 1 N,A
 77-IR-193 1.45+01 1.45+01 1 N,P
 78-PT-194 1.45+01 1.45+01 1 N,P
 78-PT-194 1.45+01 1.45+01 1 N,A
 78-PT-195 1.45+01 1.45+01 1 N,P
 78-PT-196 1.45+01 1.45+01 1 N,A
 79-AU-197 1.45+01 1.45+01 1 N,P
 79-AU-197 1.45+01 1.45+01 1 N,A
 80-HG-200 1.45+01 1.45+01 1 N,P
 80-HG-200 1.45+01 1.45+01 1 N,A
 80-HG-201 1.45+01 1.45+01 1 N,P
 80-HG-202 1.45+01 1.45+01 1 N,A
 81-TL-203 1.45+01 1.45+01 1 N,A
 81-TL-205 1.45+01 1.45+01 1 N,P
 82-PB-208 1.45+01 1.45+01 1 N,A
 83-BI-209 1.45+01 1.45+01 1 N,P
 83-BI-209 1.45+01 1.45+01 1 N,A
 90-TM-230 1.45+01 1.45+01 1 N,A
 92-U -235 1.45+01 1.45+01 1 N,P
 92-U -238 1.45+01 1.45+01 1 N,A
 93-NP-237 1.45+01 1.45+01 1 N,P
 94-PU-239 1.45+01 1.45+01 1 N,P

551 PRIVATE COMMUNICATION (1959) H.W.SCHMITT, R.B.MURRAY (ORNL)
 BULL. AM. PHYS. SOC. 4, 321 (1959)
 PHYS. REV. 116, 1575 (1959)
 RELATIVE TO FISSION CROSS-SECTION OF U238.
 PROGRESS IN NUCLEAR ENERGY, VOL. 2, P10. 30 (1958)
 W.D.ALLEN, R.L.HENKEL

93-NP-237 9.00+01 7.97+00 58 N,FISS

552 HELV. PHYS. ACTA 28, 331 (1955) H.R.BRUGGER, H.J.GERBER,
 B.LUTHY, A.E.REMUND (ETH, ZURICH)

82-PB-NAT 3.40+00 3.40+00 9 ELASTIC D(A)
 83-BI-209 3.40+00 3.40+00 9 ELASTIC D(A)

553 HELV. PHYS. ACTA 29, 545 (1956) A.E.REMUND (ETH, ZURICH)

29-CU-NAT 3.30+00 3.30+00 9 ELASTIC D(A)
 73-TA-NAT 3.30+00 3.30+00 9 ELASTIC D(A)
 82-PB-NAT 3.30+00 3.30+00 9 ELASTIC D(A)
 83-BI-209 3.30+00 3.30+00 9 ELASTIC D(A)

554 NUCLEAR PHYS. 10, 418 (1959) H.P.EUBANK, R.A.PECK, JR.,
 M.R.ZATZICK (BROWN U.)

47-AG-NAT 1.41+01 1.41+01 1 N,P D(A)
 48-CD-NAT 1.41+01 1.41+01 1 N,P D(A)
 49-IN-115 1.41+01 1.41+01 1 N,P D(A)
 51-SB-NAT 1.41+01 1.41+01 1 N,P D(A)

555 PRIVATE COMMUNICATION (1958) J.D.SEAORAVE, L.CRANBERO,
 J.E.SIMMONS (LASL)
 PHYS. REV. 119, 1981 (1960)
 TIME OF FLIGHT, NORMALIZED N,P SCATTERING

1-H -3 1.00+00 6.00+00 4 ELASTIC
 1-H -3 1.00+00 6.00+00 52 ELASTIC D(A)
 2-HE-3 1.00+00 6.00+00 4 ELASTIC
 2-HE-3 1.00+00 6.00+00 52 ELASTIC D(A)
 12-HG-NAT 2.00+00 5.00+00 40 ELASTIC D(A)
 20-CA-NAT 1.00+00 6.00+00 43 ELASTIC D(A)

556 PRIVATE COMMUNICATION (1959) J.H.COON (LASL)

6-C -NAT 1.41+01 1.41+01 11 ELASTIC D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

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TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
13-A -27	1.41+01 1.41+01	16	ELASTIC D(A)
26-Fe-NAT	1.45+01 1.45+01	45	ELASTIC D(A)
29-CU-NAT	1.45+01 1.45+01	43	ELASTIC D(A)
30-SN-NAT	1.45+01 1.45+01	42	ELASTIC D(A)
82-Pb-NAT	1.45+01 1.45+01	46	ELASTIC D(A)

557 J. PHYS. SOC. JAPAN 13, 1248 (1958) K.YUASA (JAPAN)

13-AL-27	1.41+01 1.41+01	13	ELASTIC D(A)
26-Fe-NAT	1.41+01 1.41+01	12	ELASTIC D(A)
92-Pb-NAT	1.41+01 1.41+01	9	ELASTIC D(A)
83-BI-209	1.41+01 1.41+01	11	ELASTIC D(A)

559 PHYS. REV. 114, 1563 (1959) M.K.MACHE, D.W.KENT, JR., S.C.SNOWDON (BARTOL RESEARCH FOUNDATION)

16-S -NAT	3.65+00 3.65+00	1	TOTAL
16-S -NAT	3.65+00 3.65+00	1	ELASTIC
16-S -NAT	3.65+00 3.65+00	1	NONELAS
16-S -NAT	3.65+00 3.65+00	24	ELASTIC D(A)
26-Fe-NAT	3.65+00 3.65+00	1	TOTAL
26-Fe-NAT	3.65+00 3.65+00	1	ELASTIC
26-Fe-NAT	3.65+00 3.65+00	1	NONELAS
26-Fe-NAT	3.65+00 3.65+00	23	ELASTIC D(A)
27-CO-59	3.65+00 3.65+00	1	TOTAL
27-CO-59	3.65+00 3.65+00	1	ELASTIC
27-CO-59	3.65+00 3.65+00	1	NONELAS
27-CO-59	3.65+00 3.65+00	23	ELASTIC D(A)
28-NI-NAT	3.65+00 3.65+00	1	TOTAL
28-NI-NAT	3.65+00 3.65+00	1	ELASTIC
28-NI-NAT	3.65+00 3.65+00	1	NONELAS
28-NI-NAT	3.65+00 3.65+00	22	ELASTIC D(A)
29-CU-NAT	3.65+00 3.65+00	1	TOTAL
29-CU-NAT	3.65+00 3.65+00	1	ELASTIC
29-CU-NAT	3.65+00 3.65+00	1	NONELAS
29-CU-NAT	3.65+00 3.65+00	24	ELASTIC D(A)
30-ZN-NAT	3.65+00 3.65+00	1	TOTAL
30-ZN-NAT	3.65+00 3.65+00	1	ELASTIC
30-ZN-NAT	3.65+00 3.65+00	1	NONELAS
30-ZN-NAT	3.65+00 3.65+00	23	ELASTIC D(A)

560 PHYS. REV. 114, 1595 (1959) J.B.SINGLETARY, D.E.WOOD (NORTHWESTERN UNIV.) NUCLEAR EMULSIONS

6-C -NAT	1.41+01 1.41+01	1	ELASTIC
6-C -NAT	1.41+01 1.41+01	10	ELASTIC D(A)
6-C -12	1.41+01 1.41+01	2	N,N'
6-C -12	1.41+01 1.41+01	18	N,N' D(A)

561 UCRL-4909 (1957) J.D.ANDERSON, C.C.GARDNER, M.P.NAKADA, C.WONG (UCRL)
PHYS. REV. 110, 160 (1958)

26-Fe-NAT	1.46+01 1.46+01	17	ELASTIC D(A)
47-Ag-NAT	1.46+01 1.46+01	17	ELASTIC D(A)
48-Cd-NAT	1.46+01 1.46+01	17	ELASTIC D(A)
50-Sn-NAT	1.46+01 1.46+01	17	ELASTIC D(A)
82-Pb-NAT	1.46+01 1.46+01	19	ELASTIC D(A)

562 Z. PHYSIK 166, 477 (1962) M.BORMANN, S.CIERJACKS, R.LANOKAU, H.NEUERT (HAMBURG)
ACTIVATION

19-K -39	1.25+01 1.96+01	5	N,N'A
23-V -51	1.41+01 1.96+01	5	N,N'A
26-Fe-56	1.25+01 1.87+01	6	N,P
29-Cu-63	1.31+01 1.96+01	8	N,2N
29-Cu-65	1.31+01 1.94+01	8	N,N'A

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
562		31-GA-69	1.52+01 1.94+01	5 N,P	
		31-GA-71	1.52+01 1.94+01	5 N,N'A	
		35-BR-81	1.25+01 1.96+01	10 N,2N	
		53-1 -127	1.31+01 1.87+01	5 N,2N	
		55-CS-133	1.31+01 1.94+01	5 N,2N	
563	PHYS. REV. 85, 135 (1952) K.STREET, JR., A.GHIOORSO, S.G.THOMPSON (BERKELEY) MASS SPECTROGRAPHIC ANALYSIS AND FISSION COUNTING. ALSO SET AN UPPER LIMIT ON THE THERMAL FISSION CROSS SECTION OF AM243 OF 40 BARNS	95-AM-241	2.50-08 2.50-08	1 N,G	SPECT.AV.
		95-AM-241	2.50-08 2.50-08	1 N,G	SPECT.AV.
		95-AM-242	2.50-08 2.50-08	1 ABSORP	SPECT.AV.
		95-AM-242	2.50-08 2.50-08	1 N,FISS	SPECT.AV.
		95-AM-242	2.50-08 2.50-08	1 N,G	SPECT.AV.
		95-AM-242G	2.5-08 2.50-08	1 N,FISS	SPECT.AV.
564	PHYS. REV. 82, 558 (1951) B.B.CUNNINGHAM, A.GHIOORSO (BERKELEY) IRRADIATION IN THE ANL HEAVY WATER PILE. RELATIVE TO PU239	95-AM-241	2.50-08 2.50-08	1 N,FISS	SPECT.AV.
565	LA-206 (1956) M.WALT, J.R.BEYSTER (LASL) CORRECTED FOR FISSION NEUTRONS	92-U -NAT	2.50+00 7.00+00	44	ELASTIC D(A)
566	PHYS. REV. 115, 1010 (1959) J.D.ANDERSON, C.C.GARDNER, J.W.MC CLURE, M.P.NAKADA, C.HUNG (UCRL)	13-AL-27	1.46+01 1.46+01	15	ELASTIC D(A)
		29-CU-NAT	1.46+01 1.46+01	15	ELASTIC D(A)
		40-ZR-NAT	1.46+01 1.46+01	15	ELASTIC D(A)
567	PHYS. REV. 115, 998 (1959) C.SAINT PIERRE, M.K.MACHWE, P.LORRAIN (MONTREAL) RING GEOMETRY. PLASTIC SCINTILLATOR. NO MULTIPLE SCATTERING CORRECTION. INCLUDES INELASTIC NEUTRONS FROM LEVELS UP TO 4 MEV	13-AL-27	1.40+01 1.40+01	1	TOTAL
		13-AL-27	1.40+01 1.40+01	1	ELASTIC
		13-AL-27	1.40+01 1.40+01	16	ELASTIC D(A)
		16-S -NAT	1.40+01 1.40+01	1	ELASTIC
		16-S -NAT	1.40+01 1.40+01	17	ELASTIC D(A)
		22-TI-NAT	1.40+01 1.40+01	1	TOTAL
		22-TI-NAT	1.40+01 1.40+01	1	ELASTIC
		22-TI-NAT	1.40+01 1.40+01	18	ELASTIC D(A)
		27-CO-59	1.40+01 1.40+01	1	TOTAL
		27-CO-59	1.40+01 1.40+01	1	ELASTIC
		27-CO-59	1.40+01 1.40+01	12	ELASTIC D(A)
568	PHYS. REV. 81, 33 (1951) J.H.COON, C.K.BOCKELMAN, H.H.BARSCHALL (LASL)	1-H -3	1.43+01 1.43+01	8	ELASTIC D(A)
569	PHYS. REV. 117, 1305 (1960) D.K.BUTLER (ANL) BULL. AM. PHYS. SOC. 4, 234 (1959) RELATIVE TO U235 AS GIVEN IN BNL-325 2ND ED. (1958) SAMPLE 98.77 PERCENT PU242	94-PU-242	1.41-01 1.66+00	60	N,FISS
570	PHYS. REV. 118, 683 (1960) F.J.VAUGHN, W.L.IMPOR, R.C.JOHNSON, M.WALT (LOCKHEED) TRANSMISSION OF GAS SAMPLES. ENERGY SPREAD USUALLY BETWEEN 20-60 KEV.	2-HE-NAT	1.22-01 6.22+00	105	TOTAL
		10-NE-NAT	1.57-01 1.97+01	104	TOTAL
		10-NE-20	4.73-01 4.73-01	3	RES.PARAM.
		18-AR-NAT	1.22-01 1.97+01	160	TOTAL
		36-KR-NAT	1.19-01 1.97+01	135	TOTAL
		54-XE-NAT	1.25-01 1.97+01	145	TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

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TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
42-MO-NAT	4.10+00 4.10+00	1	NONELAS
42-MO-NAT	4.10+00 4.10+00	1	N,N'
42-MO-NAT	4.10+00 4.10+00	15	ELASTIC D(A)
51-SB-NAT	4.10+00 4.10+00	1	TOTAL
51-SB-NAT	4.10+00 4.10+00	1	ELASTIC
51-SB-NAT	4.10+00 4.10+00	1	NONELAS
51-SB-NAT	4.10+00 4.10+00	15	ELASTIC D(A)
56-BA-NAT	4.10+00 4.10+00	1	TOTAL
56-BA-NAT	4.10+00 4.10+00	1	ELASTIC
56-BA-NAT	4.10+00 4.10+00	1	NONELAS
56-BA-NAT	4.10+00 4.10+00	15	ELASTIC D(A)
80-HG-NAT	4.10+00 4.10+00	1	TOTAL
80-HG-NAT	4.10+00 4.10+00	1	ELASTIC
80-HG-NAT	4.10+00 4.10+00	1	NONELAS
80-HG-NAT	4.10+00 4.10+00	16	ELASTIC D(A)

577 PRIVATE COMMUNICATION (1960) G.DECONINCK (LOUVAIN)
ANNALES DE LA SOCIETE SCIENTIFIQUE DE BRUXELLES 74,136 (1960)

13-AL-27 1.41+01 1.41+01 3 ELASTIC D(A)

578 CU(PNPL)-200 (1960) A.R.SAYRES, K.W.JONES,
C.S.WU (COLUMBIA UNIV.)
PHYS. REV. 122, 1853 (1961)
HE3 FILLED PROPORTIONAL COUNTER. TOTAL CROSS-SECTION OBTAINED
BY NORMALIZED TO VALUES REPORTED IN LA-1853 (1954). PARTIALS
NORMALIZED FROM RATIOS TO TOTAL IN THIS EXPERIMENT
SEE ALSO REFERENCE 503

2-HE-3 9.50+01 1.75+01 5 ELASTIC
2-HE-3 9.50+01 8.07+00 4 N,P
2-HE-3 5.00+00 8.07+00 2 N,D
2-HE-3 2.67+00 8.07+00 56 ELASTIC D(A)

579 WADC TECHNICAL NOTE-59-107 (1959) N.A.BOSTROM, I.L.MORAN,
J.T.PRUD'HOMME, P.L.OKHUYSEN, JR., O.M.HUDSON, JR. (TEXAS
NUCLEAR). ACTIVATION

3-LI-NAT 1.45+00 4.21+00 2 ELASTIC
3-LI-NAT 1.45+00 4.21+00 16 ELASTIC D(A)
3-LI-NAT 4.21+00 4.21+00 8 N,XG D(A)
6-C -NAT 4.21+00 7.58+00 3 ELASTIC
6-C -NAT 4.21+00 7.58+00 35 ELASTIC D(A)
6-C -12 1.01+00 1.01+00 1 N,XG D(A)
7-N -14 9.50+02 9.50+02 1 N,G
13-AL-27 1.30+01 1.70+01 31 N,P
18-AR-40 1.36+01 1.00+00 5 N,G
25-MN-55 4.00+02 3.90+00 2 N,G
38-SR-86 3.46+00 1.48+01 25 N,XG D(A)
39-Y -89 1.45+00 4.70+00 4 ELASTIC
39-Y -89 1.28+01 6.80+01 6 N,G
39-Y -89 1.45+00 4.70+00 50 ELASTIC D(A)
39-Y -89 3.67+00 4.21+00 17 N,XG D(A)
39-Y -89 1.52+01 1.52+01 6 N,N'EMS E1-E2,D(A)
39-Y -89 3.67+00 4.21+00 17 N,N' E1-E2,D(A)
40-ZR-NAT 1.45+00 4.70+00 4 ELASTIC
40-ZR-NAT 1.45+00 4.70+00 63 ELASTIC D(A)
40-ZR-NAT 1.01+00 3.80+00 6 N,XG D(A)
40-ZR-NAT 3.67+00 4.21+00 27 N,XG D(A)
40-ZR-NAT 1.52+01 1.52+01 6 N,N'EMS E1-E2,D(A)
40-ZR-NAT 3.67+00 4.21+00 18 N,N' E1-E2,D(A)
RADIO LEAD 4.21+00 4.21+00 1 ELASTIC
RADIO LEAD 4.21+00 4.21+00 24 ELASTIC D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

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TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
RADIO LEAD	1.01+00 1.01+00	1	N,XO D(A)
RADIO LEAD	4.21+00 4.21+00	17	N,XO D(A)
RADIO LEAD	4.21+00 4.21+00	5	N,N' E1-E2,0(A)
83-BI-209	4.21+00 4.21+00	1	ELASTIC
83-BI-209	4.21+00 4.21+00	13	ELASTIC D(A)
83-BI-209	4.21+00 4.21+00	13	N,XO D(A)
83-BI-209	4.21+00 4.21+00	5	N,N' E1-E2,0(A)

590 ATOMNAYA ENERGIYA 5, 456 (1958) G.P.ANTRONOV, YU.A.ZYSIN,
A.A.KOVRIZHNYKH, A.A.LBOV (USSR)
TRANSLATED IN
J. NUCLEAR ENERGY, PART A, 10, 184 (1959)
COUNTED U237 DECAY BETAS, RELATIVE TO U238 FISSION CROSS
SECTION

92-U -238	1.50+01 1.50+01	1	N,2N
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581 SOVIET PROGRESS IN NEUTRON PHYSICS, PAGE 191 (1961)
V.YA.AVERCHENKOV, A.I.VERETENNIKOV (USSR)
RUSSIAN TEXT PUBLISHED BY GOSATOMIZDAT, MOSCOW 1961.
TRANSLATION PUBLISHED BY CONSULTANTS BUREAU NEW YORK 1962
PO-BE NEUTRONS PLUS TIME OF FLIGHT

90-TM-232	1.90+00 8.00+00	17	TOTAL
92-U -235	1.90+00 8.00+00	16	TOTAL

582 J. PHYS. RADIUM 21, 380 (1960) M.HEYMAN, H.JEREMIE, J.KAHANE,
R.SENE (COLLEGE DE FRANCE)

6-C -12	1.41+01 1.41+01	14	N,N' D(A)
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583 NUCLEAR PHYS. 19, 448 (1960) J.BENVENISTE, A.C.MITCHELL,
C.D.SCHRADER, J.H.ZENGER (UCRL)
NAI SCINTILLATOR WITH TIME OF FLIGHT DISCRIMINATION AGAINST
NEUTRONS. SEE ALSO
UCRL-5820 (1960)

6-C -12	1.40+01 1.40+01	1	N,XO
6-C -12	1.35+01 1.47+01	13	N,XO D(A)

584 J. PHYS. SOC. JAPAN 15, 1359 (1960) T.NAKAMURA (KYOTO)

1-H -1	1.41+01 1.41+01	4	ELASTIC D(A)
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585 NUCLEAR PHYS. 36, 38 (1962) P.G.BIZZETI, A.M.BIZZETI-SONA,
M.BUCCICOLINI (UNIV. FIRENZE)
PULSE SHAPE DISCRIMINATION

11-NA-23	1.40+01 1.40+01	1	N,A
53-I -127	1.40+01 1.40+01	1	N,A

586 Z. NATURFORSCHG. 15, 200 (1960) M.BORMANN, H.JEREMIE,
G.ANDERSSON-LINDSTROM, H.NEUERT, H.POLLEHN (HAMBURG)
COINCIDENCE COUNTING BETWEEN INCIDENT NEUTRONS AND OUTGOING
PARTICLES. SCINTILLATION CRYSTAL

3-LI-6	2.50+00 1.41+01	2	N,T
11-NA-23	1.40+01 1.40+01	1	N,P
11-NA-23	1.40+01 1.40+01	1	N,A
19-K -39	1.40+01 1.40+01	1	N,N'P
19-K -39	1.40+01 1.40+01	1	N,P
19-K -39	1.40+01 1.40+01	1	N,A
19-K -41	1.40+01 1.40+01	1	N,A
53-I -127	1.40+01 1.40+01	1	N,P

587 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/183 (1965)
G.V.MURADYAN, YU.V.ADAMCHUK (USSR)
ROTATING SAMPLE TECHNIQUE. USED RESONANCE PARAMETERS OF
REFERENCE 814

41-NB-93	9.55-05 1.22-03	23	RES.PARAM.
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588 LA-2493 (1960) B.P.BAYHURST, R.J.PRESTWOOD (LASL)
PHYS. REV. 121, 1438 (1961)

13-AL-27	7.00+00 1.97+01	15	M,A
21-SC-45	1.13+01 1.97+01	12	N,2N

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

589 J. INORG. NUCLEAR CHEM. 23, 173 (1961)
RADIOCHEMISTRY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
21-SC-45	1.19+01 1.97+01	11	N,2N
21-SC-45	1.19+01 1.97+01	11	N,2N
21-SC-45	1.34+01 1.48+01	8	N,P
21-SC-45	8.00+00 1.97+01	11	N,A
22-TI-46	1.34+01 1.97+01	10	N,2N
28-NI-58	1.21+01 1.97+01	10	N,2N
29-CU-65	1.00+01 1.97+01	16	N,2N
29-CU-65	1.45+01 1.45+01	1	N,2N
32-GE-70	1.17+01 1.97+01	13	N,2N
33-AS-75	1.03+01 1.97+01	11	N,2N
33-AS-75	7.00+00 1.49+01	7	N,P
33-AS-75	7.00+00 1.97+01	11	N,A
37-RB-85	1.05+01 1.97+01	9	N,2N
37-RB-87	1.05+01 1.97+01	10	N,2N
38-SR-84	1.20+01 1.97+01	13	N,2N
38-SR-86	1.34+01 1.49+01	8	N,P
39-Y-89	1.22+01 1.97+01	16	N,2N
39-Y-89	7.00+00 1.97+01	18	N,P
39-Y-89	1.34+01 1.48+01	8	N,A
40-ZR-90	1.19+01 1.97+01	16	N,2N
40-ZR-90	8.00+00 1.97+01	17	N,P
40-ZR-92	1.34+01 1.97+01	9	N,A
40-ZR-94	1.21+01 1.97+01	14	N,A
41-NB-93	1.22+01 1.97+01	10	N,2N
41-NB-93	7.00+00 1.97+01	12	N,A
47-AG-107	1.22+01 1.97+01	15	N,2N
47-AG-109	7.00+00 1.97+01	15	N,P
48-CD-111	7.00+00 1.97+01	16	N,P
48-CD-112	7.00+00 1.97+01	10	N,A
48-CD-116	8.70+00 1.97+01	14	N,2N
48-CD-116	1.20+01 1.97+01	13	N,2N
48-CD-116	1.20+01 1.97+01	13	N,2N
49-IN-115	9.30+00 1.97+01	15	N,2N
50-SN-112	1.20+01 1.97+01	13	N,2N
50-SN-118	1.20+01 1.97+01	14	N,A
51-SB-121	1.19+01 1.97+01	15	N,2N
51-SB-123	9.10+00 1.97+01	16	N,2N
73-TA-181	7.45+00 1.97+01	11	N,2N
79-AU-197	8.00+00 1.97+01	11	N,2N
79-AU-197	1.21+01 1.97+01	10	N,2N
79-AU-197	1.21+01 1.97+01	15	N,P
79-AU-197	7.00+00 1.97+01	15	N,A
81-TL-203	8.65+00 1.97+01	11	N,2N
81-TL-203	1.65+01 1.97+01	3	N,3N
90-TH-232	6.45+00 1.65+01	14	N,2N

589 LA-2643 (1956) L.ROSEN, L.STEWART (LASL)
PHYS. REV. 126, 1150 (1962)
NUCLEAR EMULSIONS

3-LI-6	4.40+00 1.40+01	11	N,N'D
3-LI-7	5.10+00 1.40+01	10	N,N'T

590 UCRL-6028-1 (1960) H.A.TENES, A.A.CARETTO, A.E.MILLER,
D.R.NETHAWAY (LRL LIVERMORE)

12-MG-24	1.01+01 1.40+01	5	N,P
13-AL-27	8.40+00 1.51+01	15	N,A

REF BIBLIOGRAPHY

TARGE EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
59J ACTIVATION BULL. AM. PHYS. SOC. 4, 445 (1959) H.A.TEWES, A.A.CARETTO, A.E.MILLER (LRL)	37-RB-85 37-RB-87 39-Y -89 39-Y -89 39-Y -89 41-NB-93 41-NB-93 45-RH-103 47-AG-107 50-SN-112 69-TM-169 79-AU-197 79-AU-197 79-AU-197 81-TL-203 82-PB-204 90-TM-232	1.03+01 1.45+01 1.03+0 1.45+01 1.21+01 1.51+01 9.35+00 1.40+01 9.35+00 1.40+01 9.35+00 1.51+01 8.40+00 1.51+01 1.03+01 1.51+01 1.03+01 1.51+01 1.18+01 1.28+01 9.80+00 1.45+01 9.2+00 1.51+01 8.40+00 1.51+01 1.18+01 1.38+01 8.40+00 1.51+01 1.01+01 1.40+01 8.40+00 1.51+01	6 N,2N 6 N,2N 8 N,2N 5 N,P 5 N,A 12 N,2N 14 N,A 10 N,2N 10 N,2N 2 N,2N 7 N,2N 14 N,2N 12 N,2N 3 N,P 14 N,2N 5 N,2N 13 N,2N
59I PHYS. REV. 124, 1129 (1961) D.K.BUTLER, R.K.SJOBLUM (ANL) GAS SCINTILLATION COUNTER, RELATIVE TO U235 FISSION CROSS SECTION, SAMPLE 92.04 PERCENT PU241	94-PU-241 95-AM-243	2.10-02 1.82+00 3.00-01 1.87+00	90 N,FISS 65 N,FISS
592 UCRL-5217 AND SUPPLEMENT (1958) W.P.BALL, R.BOOOTH, M.H.MAC GREGOR (LRL LIVERMORE) PRIVATE COMMUNICATION (1963) MAC GREGOR PHYS. REV. 130, 1471 (1963) SPHERE TRANSMISSION, CORRECTION FOR MULTIPLE SCATTERING	3-LI-6 3-LI-7 92-U -235 92-U -238 94-PU-239	8.10+00 1.42+01 8.10+00 1.42+01 8.10+00 1.41+01 8.10+00 1.41+01 8.10+00 1.41+01	3 NONELAS 3 NONELAS 3 NONELAS 3 NONELAS 3 NONELAS
593 UCRL-5080 (1960) H.C.CATRON, M.D.GOLDBERG, R.W.HILL, J.M.LEBLANC, J.P.STOERING, C.J.TAYLOR, M.A.WILLIAMSON (UCRL) PHYS. REV. 129, 1771 (1963)	3-LI-6 3-LI-7	1.02+01 1.02+01 1.02+01 1.02+01	1 N,2N 1 N,2N
594 UCRL-5237 (1958) V.J.ASHBY, H.C.CATRON, L.L.NEWKIRK, C.J.TAYLOR, M.A.WILLIAMSON (LRL LIVERMORE) LIQUID SCINTILLATION, NORMALIZED TO CF252 NU = 3.80	3-LI-6 3-LI-7	1.41+01 1.41+01 1.41+01 1.41+01	1 N,2N 1 N,2N
595 UCRL-6074 (1960) J.BENVENISTE, A.C.MITCHELL, C.D.SCHRADER, J.H.ZENGER (LRL LIVERMORE) NUCLEAR PHYS. 38, 300 (1962) RING SCATTERER, TIME OF FLIGHT DETECTOR, CORRECTION FOR MULTIPLE SCATTERING, CROSS-SECTIONS ARE 4PI TIMES DIFFERENTIAL CROSS-SECTION	3-LI-7	1.35+01 1.47+01	11 N,N'
596 J. EXPTL. THEORET. PHYS. (USSR) 38, 1434 (1960) G.N.LOVCHIKOVA (USSR)	13-AL-27 13-AL-27 26-FE-NAT 26-FE-NAT 50-SN-NAT 50-SN-NAT 82-PB-NAT 82-PB-NAT 83-BI-209	2.20-01 2.20-01 2.20-01 2.20-01 2.20-01 2.20-01 2.20-01 2.20-01 2.20-01 2.20-01 2.20-01 2.20-01 2.20-01 2.20-01 2.20-01 2.20-01 2.20-01 2.20-01	1 ELASTIC 5 ELASTIC D(A) 1 ELASTIC 5 ELASTIC D(A) 1 ELASTIC 5 ELASTIC D(A) 1 ELASTIC 5 ELASTIC D(A) 1 ELASTIC

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
596	63-BI-209	2.20-01 2.20-01	5	ELASTIC D(A)
597 PRIVATE COMMUNICATION (1962) W.E.MEYERHOF	26-FC-56	0.64-01 2.47+00	55	N,N'
PHYS. REV. 137, 1181 (1965) A.B.TUCKER, J.T.WELLS.	29-CU-63	6.81-01 1.35+00	32	N,N'
W.E.MEYERHOF (STANFORD)	40-ZR-90	1.77+00 2.17+00	37	N,N'
NEUTRON ENERGIES CONVERTED FROM CM TO L SYSTEM	56-SA-138	1.44+00 2.14+00	55	N,N'
	58-CE-140	1.61+00 2.19+00	44	N,N'
	58-CE-140	1.92+00 2.07+00	10	N,XG
598 NUCLEAR PHYS. 15, 326 (1960) I.L.PREISS, R.W.FINK	27-CO-59	1.48+01 1.48+01	1	N,2N
(ARKANSAS U.)	27-CO-59	1.48+01 1.48+01	1	N,2N
ORO-235 (1960)	27-CO-59	1.48+01 1.48+01	1	N,2N
	27-CO-59	1.48+01 1.48+01	1	N,P
	27-CO-59	1.48+01 1.48+01	1	N,A
	28-NI-58	1.48+01 1.48+01	1	N,2N
	28-NI-58	1.48+01 1.48+01	1	N,P
	28-NI-58	1.48+01 1.48+01	1	N,P
	28-NI-60	1.48+01 1.48+01	1	N,P
	28-NI-61	1.48+01 1.48+01	1	N,N,P
	28-NI-61	1.48+01 1.48+01	1	N,P
	28-NI-62	1.48+01 1.48+01	1	N,N,P
	28-NI-62	1.48+01 1.48+01	2	N,P
	28-NI-64	1.48+01 1.48+01	1	N,N,P
	28-NI-64	1.48+01 1.48+01	2	N,P
	29-CU-65	1.48+01 1.48+01	1	N,P
	29-CU-65	1.48+01 1.48+01	1	N,MC3
	29-CU-65	1.48+01 1.48+01	1	N,A
	30-ZN-64	1.48+01 1.48+01	1	N,2N
	30-ZN-64	1.48+01 1.48+01	1	N,P
	30-ZN-66	1.48+01 1.48+01	1	N,P
	30-ZN-68	1.48+01 1.48+01	1	N,P
	30-ZN-68	1.48+01 1.48+01	1	N,A
599 PHYS. REV. 129, 704 (1963) S.M.SHAFROTH, P.N.TREHAN,	39-Y -89	9.80-01 3.36+00	14	N,N'
D.M.VAN PATER (BARTOL)	39-Y -89	9.80-01 3.36+00	48	N,N'
DISK SCATTERER WITH NaI(TL) CRYSTAL SPECTROMETER	39-Y -89	1.18-01 3.36+00	53	N,XG DIA
600 ORNL-2910 PAGE 29 (1960) J.L.FOHLER (ORNL)	82-PB-NAT	1.00+00 4.14+00	65	TOTAL
PHYSICS DIVISION ANNUAL PROGRESS REPORT, OAK RIDGE NATIONAL				
LABORATORY				
601 ARGMA-TN-1CIN-23 (1959)	29-CU-63	1.22+01 1.82+01	4	N,2N
(REDSTONE ARSENAL)	30-ZN-64	1.33+01 1.64+01	3	N,2N
RESEARCH LABORATORY QUARTERLY RESEARCH REVIEW ORDNANCE	47-AG-107	1.22+01 1.82+01	7	N,2N
MISSILE LABORATORIES DIVISION, U.S. ARMY ROCKET AND GUIDED				
MISSILE AGENCY				
602 USNRDL-TR-350 (1959) W.E.THOMPSON, J.M.FERGUSON (USNRDL)	7-N -NAT	1.24+01 1.79+01	6	N,2N
PHYS. REV. 118, 228 (1960)	15-P -31	1.47+01 1.79+01	3	N,2N
COINCIDENCE COUNTING OF ANNIHILATION RADIATION IN NaI(TL)	29-CU-63	1.24+01 1.79+01	7	N,2N
CRYSTALS.	59-PR-141	1.24+01 1.79+01	6	N,2N

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
603 PRIVATE COMMUNICATION (1965) H.L. IMHOF, R.G. JOHNSON, F.J. VAUGHN (LOCKHEED) ACTIVATION	82-PB-204	9.27+00 1.92+01	18 N,2N
604 PRIVATE COMMUNICATION (1965) G. DE SAUSSURE, J. FLONS, C. JOUSSEAU, A. MICHAUDON, Y. PRANAL (C.E.N., SACLAY) VIA SACLAY SIGMA CENTER TIME OF FLIGHT TECHNIQUE, TYPICAL RESOLUTION 35 NSEC/M AT 12 EV, 11 NSEC/M AT 100 EV, AND 6 NSEC/M AT 5 KEV. PHYS. AND CHEM. OF FISSION, IAEA, SALZBURG, 1, 205 (1965) COMPT. REND. 259, 3498 (1964)	94-PI-239 94-PU-239 94-PU-239	1.19-05 6.52-03 0. 2.00-04 7.83-06 2.03-04	4004 N,FISS 1 AV.RES.PARAM. 138 RES.PARAM.
605 UCRL-5396 (1959) J. BENVENISTE, A.C. MITCHELL, C.D. SCHRADER, J.H. ZENGER (LRL LIVERMORE) NUCLEAR PHYS. 19, 52 (1960) RING GEOMETRY. OBTAINED ANGULAR DISTRIBUTION OF GAMMAS WITH TIME OF FLIGHT GATING AND NaI CRYSTAL. MULTIPLE SCATTERING CORRECTION MADE. GAMMAS ASSUMED ISOTROPIC FROM SPIN STATE. APPARENT ANGULAR DISTRIBUTION SHOWS ENERGY DEPENDENCE. CROSS-SECTIONS ARE 4PI TIMES DIFFERENTIAL CROSS-SECTION	4-BE-9	1.35+31 1.47+01	10 N,T
606 PHYS. REV. 126, 1246 (1962) D.M. VAN PATER, N. NATH, S.M. SHAFROTH, S.S. MALIK, M.A. ROTHMAN (BARTOL) RING GEOMETRY WITH NaI(TL) CRYSTAL SPECTROMETER	24-CR-NAT 24-CR-50 24-CR-52 24-CR-52 24-CR-53 24-CR-53 24-CR-54	9.80-01 3.31+00 9.83-01 3.31+00 1.97+00 3.31+00 1.97+00 3.31+00 9.80-01 3.31+00 9.80-01 3.31+00 9.80-01 3.31+00	10 N,N' 10 N,N' 7 N,N' 22 N,N' 10 N,N' 36 N,N' 10 N,N'
607 J. NUCLEAR ENERGY, PART A, 10, 19 (1959) A.T.O. FERGOUSON, E.B. PAUL (AERE, HARWELL)	79-AU-191	1.50-01 1.00+06	3 N,G
608 ATOMNAYA ENERGIYA 5, 659 (1958) A.A. BEREZIN, G.A. STOLIAROV, I.U. V. NIKOL'SKII, I.E. CHELNOKOV (USSR) TRANSLATION IN J. NUCLEAR ENERGY, PART A, 11, 175 (1959) IONIZATION CHAMBER. U235 FISSION CROSS SECTIONS RELATIVE TO A U238 FISSION CROSS SECTION VALUE OF 1.13 BARN AT THIS SAME ENERGY	90-TH-232 92-U -235 92-U -235	1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01	1 N,FISS 1 N,FISS 1 N,FISS C/S RATIO
609 ATOMNAYA ENERGIYA 5, 657 (1958) N.N. FLEROV, V.M. TALYZIN (USSR) SPHERE TRANSMISSION, CORRECTED BY GUESS TO OBTAIN N,2N. TOTAL CROSS-SECTION FROM TRANSMISSION	4-BE-9 4-BE-9 82-PB-NAT 83-BI-209	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	1 TOTAL 1 N,2N 1 N,2N 1 N,2N
610 ATOMNAYA ENERGIYA 5, 557 (1958) N.N. FLEROV, A.A. BEREZIN, I.E. CHELNOKOV (USSR) TRANSLATED IN J. NUCLEAR ENERGY, PART A, 11, 173 (1959) SOVIET J. ATOMIC ENERGY 5, 1600 (1958) IONIZATION CHAMBER	92-U -238	1.46+01 1.46+01	1 N,FISS

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	FIS DESCRIPTION
611 ATOMNAYA ENERGIYA 6, 67 (1959) A.N.PROTOPOPOV, YU.A.SELITSKI, S.M.SOLOV'EV (USSR)	95-AM-241	1.46+01 1.46+01	1 N,FISS
612 ATOMNAYA ENERGIYA 6, 453 (1959) G.V.GORLOV, B.M.GOKHBERG, V.M.MOROZOV, G.A.OTROSHCHENKO, V.A.SHIGIN (USSR) IONIZATION CHAMBER. TRANSLATED IN J. NUCLEAR ENERGY, PART A, 12, 79 (1960) SOVIET J. ATOMIC ENERGY 6, 317 (1960)	92-U -237 92-U -235	3.40-03 7.80-01 3.40-03 7.80-01	24 N,FISS 34 N,F'ISS
613 ANNALES DE LA SOCIETE SCIENTIFIQUE DE BRUXELLES 74, 64 (1960) G.DECONINCK, A.MARTEGANI (LOUVAIN)	12-MG-NAT 20-CA-NAT	2.06+00 3.14+00 2.11+00 3.10+00	10 TOTAL 17 TOTAL
614 ANZ.OESTERR.AKAD.WISS. MATH-NATURWISS.KL. 95, 199 (1958) H.K.VONACH, H.MUNZER (AUSTRIA)	23-V -51 23-V -51	1.41+01 1.41+01 1.41+01 1.41+01	1 N,N'A 1 N,A
615 ANZ.OESTERR.AKAD.WISS. MATH-NATURWISS.KL. 96, 120 (1959) H.K.VONACH, H.MUNZER (AUSTRIA)	38-SR-86 39-Y -89 41-NB-53 55-CS-133	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 N,2N 1 N,2N 1 N,2N 1 N,2N
616 J. EXPTL. THEORET. PHYS. (USSR) 38, 989 (1960) A.I.ISAKOV, YU.P.POPOV, F.L.SHAPIRO (LEBEDEV INST) LEAD SLOWING DOWN SPECTROMETER.	26-FE-NAT 26-FE-56 47-AO-NAT 79-AU-197	1.10-03 7.00-02 1.18-03 1.18-03 3.70-05 1.70-02 1.00-03 1.70-02	25 N,0 3 RES.PARAM. 38 N,0 11 N,0
617 BULL. CLASSE DES SCI.,-ACAD. ROY. BELGIQUE 44, 851 (1958) G.DECONINCK, A.MARTEGANI (LOUVAIN)	29-CU-NAT 82-PB-NAT 83-BI-209	2.10-00 3.20+00 2.10-00 3.19+00 2.16+00 3.20+00	13 TOTAL 19 TOTAL 10 TOTAL
618 NUCLEAR PHYS. 9, 181 (1958) J.M.FREEMAN, J.H.MONTAGUE (HARWELL) RING SCATTERER. GAMMA-GAMMA COINCIDENCE	11-NA-23	4.93-01 2.99+00	57 N,N'
619 NUCLEAR PHYS. 13, 88 (1958) C.S.KHURANA, H.S.HANS (MUSLIM UNIV. ALIGARH) ACTIVATION. NORMALIZED TO FE55(N,P) OF 110 MILLIBARNS	13-AL-27 13-AL-27 21-SC-45 21-SC-45 22-TI-49 22-TI-50 47-AG-109 47-AG-109 51-SB-121 51-SB-123	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	1 N,P 1 N,A 1 N,2N 1 N,A 1 N,P 1 N,P 1 N,2N 1 N,A 1 N,2N 1 N,2N
620 NUOVO CIMENTO 16, 450 (1960) P.CUZZOCREA, G.PAPPALARDO, R.RICAMO (CATANIA) ACTIVATION. NORMALIZED TO 135 MB AT 4.82 MEV	15-P -31	2.71+00 5.03+00	53 N,P
621 HELV. PHYS. ACTA 32, 357 (1959) L.SCHELLENBERG, E.BAUMGARTNER, P.HUBER, F.SELLER (BASCL) TRANSMISSION. ENRICHED ISOTOPES	7-N -15 7-N -15 8-O -18 8-O -18	2.80+00 3.61+00 2.95+00 2.95+00 2.82+00 4.17+00 3.25+00 4.00+00	28 TOTAL 3 RES.PARAM. 43 TOTAL 12 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) FIS DESCRIPTION

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
622 NUCLEAR PHYS. 16, 313 (1960) G.J.MC CALLUM, G.S.MAN', A.T.G.FERGUSON (HARWELL) TRANSMISSION. CORRECTION FOR INSCATTERING	13-AL-27 26-FE-NAT 28-NI-NAT 30-ZN-NAT 42-MO-NAT 48-CD-NAT 50-SN-NAT	1.27+01 2.08+01 1.27+01 2.08+01 1.23+01 2.02+01 1.23+01 2.02+01 1.23+01 2.02+01 1.27+01 2.08+01 1.23+01 2.02+01	10 TOTAL 11 TOTAL 13 TOTAL 13 TOTAL 13 TOTAL 11 TOTAL 13 TOTAL
623 J. INORG. NUCLEAR CHEM. 13, 5 (1960) L.P.O CONNOR, J.L.PERKIN (AHRE)	88-RA-226 88-RA-226	1.45+01 1.45+01 1.45+01 1.45+01	1 N,2N 1 N,3N
624 DOKLADY AKAD. NAUK S.S.S.R. 128, 1157 (1959) B.M.GOKHBERG, G.A.OTROSHCHENKO, V.A.SHIGIN (USSR) WE HAVE NORMALIZED THESE RESULTS TO THE RELATIVE DISTRIBUTION OF REFERENCE 152B BETWEEN 1.0 AND 1.2 MEV (NORMALIZATION FACTOR HERE OF 0.059) AND THEN OBTAINED CROSS SECTION BY USE OF RESULTS AT 2.5 MEV IN REFERENCE 635 (SEE COMMENTS FOR REFERENCE 152B). THE TOTAL NORMALIZATION FACTOR WAS 0.085. ERRORS QUOTED ARE ONLY THOSE FROM THE RELATIVE MEASUREMENT. THE TOTAL ERROR IS PROBABLY MUCH LARGER.	90-TH-230 90-TH-230 93-NP-237	7.1-01 1.20+00 7.10-01 1.20+00 1.00-02 1.50+00	11 N,FISS 11 N,FISS 24 N,FISS
625 DOKLADY AKAD. NAUK S.S.S.R. 128, 911 (1959) B.M.GOKHBERG, G.A.OTROSHCHENKO, V.A.SHIGIN (USSR)	90-TH-229	6.00-03 1.20+00	23 N,FISS
626 PROC. PHYS. SOC. (LONDON) 74, 632 (1959) J.F.BARRY, R.F.COLEMAN, B.E.HANKER, J.L.PERKIN (AHRE)	46-PD-108 52-TE-128 52-TE-130 58-CE-142 74-W -186 74-W -186	1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.37+01 2.12+01 1.37+01 2.12+01	1 N,N,P 1 N,N,P 1 N,N,P 1 N,N,P 6 N,N,P 6 N,P
627 PROC. PHYS. SOC. (LONDON) 74, 685 (1959) J.F.BARRY, L.P.O CONNOR, J.L.PERKIN (AHRE)	90-TH-232	3.00-01 1.20+00	10 N,0
628 J. PHYS. RADIUM 21, 377 (1960) M.J.DEPAZ, G.LEZGROS, M.R.SALIN (LYON) ACTIVATION, NORMALIZED TO CU63 N,2N OF 556 MILLIBARNS	12-MO-24 13-AL-27 13-AL-27 16-FE-54 26-FE-56 29-CU-65 29-CU-65	1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01	1 N,P 1 N,P 1 N,A 1 N,2N 1 N,P 1 N,2N 1 N,P
629 AUSTRALIAN J. PHYS. 13, 186 (1960) E.WEIGOLD (CANBERRA)	25-MN-55 25-MN-55 27-CO-59 27-CO-59 27-CO-59 27-CO-59 29-CU-65	1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01	1 N,2N 1 N,A 1 N,2N 1 N,P 1 N,A 1 N,2N 1 N,2N
630 NUCLEAR PHYS. 15, 316 (1960) I.KUMABE, R.W.FINK (ARKANSAS)	28-NI-58 28-NI-58	1.48+01 1.48+01 1.48+01 1.48+01	1 N,XP 16 N,XP D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
631 NUCLEAR PHYS. 15, 155 (1960) W.G.CROSS, R.G.JARVIS (CHALK RIVER) ROTATING SCINTILLATION, COUNTED DELAYED COINCIDENCE	12-MO-NAT 12-MO-NAT 20-CA-NAT 20-CA-NAT 48-CD-NAT 48-CD-NAT 73-TA-NAT 83-BI-209 83-BI-209	1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01	1 21 1 21 1 26 23 1 34	ELASTIC ELASTIC D(A) ELASTIC ELASTIC D(A) ELASTIC ELASTIC D(A) ELASTIC D(A) ELASTIC ELASTIC D(A)
632 ATOMNAYA ENERGIYA 9, 16 (1960) V.G.NESTEROV, G.N.SHIRENKIN (USSR) PRELIMINARY RESULTS PRESENTED IN AEC-TR-3945 (1959)	20-CA-NAT 94-PU-240	8.65-01 8.65-01 4.1-02 3.90+00	1 75	TOTAL N.FISS
633 ATOMNAYA ENERGIYA 8, 549 (1960) T.S.BELANOVA (USSR) SPHERE TRANSMISSION, MULTIPLE SCATTERING AND OTHER CORRECTION MADE	14-SI-NAT 22-TI-NAT 24-CR-NAT 26-FE-NAT 38-SR-NAT 42-MO-NAT 47-AG-NAT 52-TE-NAT 74-W-NAT 79-AU-197 80-HO-NAT 90-TH-232 92-U-238	2.50-02 8.30-01 2.50-02 8.30-01 2.40-02 2.40-02 2.20-01 2.20-01 2.50-02 8.30-01 2.50-02 8.30-01 2.50-02 8.30-01 2.50-02 8.30-01 2.50-02 8.30-01 2.50-02 8.30-01 2.50-02 8.30-01 2.50-02 8.30-01 2.50-02 8.30-01	5 3 1 1 3 3 3 1 1 2 3 1 3	N.O N.O N.O NONELAS N.O N.O N.O N.O N.O N.O N.O N.O N.O
634 PRIVATE COMMUNICATION (1961) R.V.BABCOCK (BETTS) VIA BNL SIGMA CENTER, SEE ALSO REFERENCE 1089	90-TH-232	1.14+00 1.88+00	7	N.FISS
635 ATOMNAYA ENERGIYA 8, 139 (1960) M.I.KAZARINOVA, YU.S.ZAMYATIN, V.M.GORBACHEV (USSR) TRANSLATED IN SOVIET J. ATOMIC ENERGY 8, 125 (1961) FISSION CHAMBER, RELATIVE TO U238 FISSION CROSS SECTION	90-TH-230 94-PU-240 94-PU-241 95-AM-241	2.50+00 1.46+01 2.50+00 1.46+01 2.50+00 1.46+01 2.50+00 1.46+01	2 2 2 2	N.FISS N.FISS N.FISS N.FISS
636 ATOMNAYA ENERGIYA 7, 259 (1959) YU.YA.STAVISKII, V.A.TOLSTIKOV (USSR)	31-GA-69 31-GA-71	2.40-01 2.00+00 3.80-01 1.69+00	15 7	N.O N.O
637 PRIVATE COMMUNICATION (1961) D.W.KENT, JR., S.P.PURI, S.C.SNOWDON, W.P.BUCHER (BARTOL RESEARCH FOUNDATION) PHYS. REV. 125, 331 (1962)	19-K-NAT 19-K-NAT 19-K-NAT 20-CA-NAT 20-CA-NAT 20-CA-NAT 22-TI-NAT 23-V-NAT 32-GE-NAT 32-GE-NAT 32-GE-NAT	3.66+00 3.66+00	1 1 22 1 1 21 1 1 1 1 21	TOTAL ELASTIC ELASTIC D(A) TOTAL ELASTIC ELASTIC D(A) TOTAL TOTAL TOTAL TOTAL ELASTIC ELASTIC D(A)

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

637

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
34-SE-NAT	3.66+00 3.66+00	1	TOTAL
34-SE-NAT	3.66+00 3.66+00	1	ELASTIC
34-SE-NAT	3.66+00 3.66+00	21	ELASTIC D(A)
35-BR-NAT	3.66+00 3.66+00	1	TOTAL
38-SR-NAT	3.66+00 3.66+00	1	TOTAL
38-SR-NAT	3.66+00 3.66+00	1	ELASTIC
38-SR-NAT	3.66+00 3.66+00	21	ELASTIC D(A)
39-Y -89	3.66+00 3.66+00	1	TOTAL
40-ZR-NAT	3.66+00 3.66+00	1	TOTAL
40-ZR-NAT	3.66+00 3.66+00	1	ELASTIC
41-NB-93	3.66+00 3.66+00	1	TOTAL
42-MO-NAT	3.66+00 3.66+00	1	TOTAL
49-IN-NAT	3.66+00 3.66+00	1	TOTAL
51-SB-NAT	3.66+00 3.66+00	1	TOTAL
52-TE-NAT	3.66+00 3.66+00	1	TOTAL

638 NUOVO CIMENTO 18, 671 (1960) P.CUZZOCREA, S.NOTARRIGO,
R.RICAMO, F.VINCI (CATANIA)
TRANSMISSION

15-P -31	2.42+00 5.17+00	97	TOTAL
16-S -NAT	2.92+00 5.17+00	77	TOTAL

639 NUCLEAR PHYS. 20, 202 (1960) H.W.SCHMITT, C.W.COOK
(ORNL AND CONVAIR)
EANDC-33U PAGE 41 (1963)

29-CU-NAT	2.40-02 2.40-02	1	N.O
30-ZN-NAT	2.40-02 2.40-02	1	N.O
47-AG-NAT	2.50-02 2.50-02	1	N.O
48-CD-NAT	2.40-02 2.40-02	1	N.O
49-IN-NAT	2.40-02 2.40-02	1	N.O
51-SB-NAT	2.40-02 2.40-02	1	N.O
53-I -127	2.40-02 2.40-02	1	N.O
79-AU-197	2.50-02 2.50-02	1	N.O
80-HG-NAT	2.40-02 2.40-02	1	N.O
82-PB-NAT	2.40-02 2.40-02	1	N.O

640 RP1-328-142 PAGE 18 (1968) R.C.BLOCK, Z.M.BARTOLOME,
J.R.TATARCZUK, W.R.MOYER, R.W.HOCKENBURY, R.H.WOLFE (RP1)
CAPTURE AREAS DETERMINED BY TIME-OF-FLIGHT TECHNIQUES.
RESOLUTION WAS 2.4 KEV AT 100 KEV.

9-F -19	2.65-02 9.20-02	3	RES.PARAM.
12-MO-NAT	4.60-02 4.50-01	4	RES.PARAM.
16-S -32	3.05-02 1.00-01	2	RES.PARAM.

641 NUCLEAR PHYS. 14, 270 (1959) R.J.BELL, T.W.BONNER, F.GABBARD
(RICE U.)

10-NE-20	2.80+00 7.28+00	162	N.A
10-NE-20	2.89+00 6.93+00	16	RES.PARAM.

642 J. PHYS. SOC. JAPAN 18, 610 (1963) K.TSUKADA, O.TANAKA
(JAERI)
SOME DATA FROM PRIVATE COMMUNICATION.

5-B -NAT	3.24+00 5.11+00	59	TOTAL
5-B -10	3.24+00 5.11+00	59	TOTAL
14-S1-NAT	3.05+00 5.04+00	59	TOTAL
14-S1-NAT	3.07+00 5.00+00	4	AV.RES.PARAM.
15-P -31	3.05+00 5.05+00	59	TOTAL
15-P -31	3.23+00 4.44+00	27	TOTAL
15-P -31	3.00+00 4.40+00	2	AV.RES.PARAM.
16-S -NAT	3.05+00 5.04+00	59	TOTAL
16-S -NAT	3.00+00 5.00+00	4	AV.RES.PARAM.
17-CL-NAT	3.23+00 5.11+00	30	TOTAL
17-CL-NAT	3.00+00 5.00+00	4	AV.RES.PARAM.

643 J. PHYS. SOC. JAPAN 15, 1994 (1960) K.TSUKADA, T.FUSE

6-C -NAT	3.37+00 5.07+00	83	TOTAL
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REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
643 (JAERI) ALSO PRIVATE COMMUNICATION	B-O -NAT	3.37+00 5.07+00	91	TOTAL
	9-F -19	3.37+00 5.07+00	97	TOTAL
	90-TM-222	3.37+00 5.07+00	92	TOTAL
644 TID-11929 (1960) C.H. REED (U. OF UTAH)	40-ZR-90	1.41+01 1.41+01	1	N,2N
	40-ZR-90	1.41+01 1.41+01	1	N,3N
	40-ZR-90	1.41+01 1.41+01	1	N,2N
	40-ZR-90	1.41+01 1.41+01	1	N,P
	40-ZR-90	1.41+01 1.41+01	1	N,A
	40-ZR-91	1.41+01 1.41+01	1	N,P
	40-ZR-91	1.41+01 1.41+01	1	N,P
	40-ZR-91	1.41+01 1.41+01	1	N,P
	40-ZR-92	1.41+01 1.41+01	1	N,P
	40-ZR-92	1.41+01 1.41+01	1	N,A
	40-ZR-94	1.41+01 1.41+01	1	N,P
	40-ZR-94	1.41+01 1.41+01	1	N,A
	40-ZR-95	1.40+01 1.40+01	1	N,A
645 AEC-TR-3946 (1959) YU.YA. STAVISSKII, A.V. SHAPAR' (USSR)	42-MO-NAT	5.00-02 9.70-01	12	N,0
	74-M -NAT	5.00-02 1.10+00	13	N,0
646 AFSHC-TR-61-15 (1961) L.F. CHASE, JR., R.V. SMITH, R.O. JOHNSON, F.J. VAUGHN, M. WALT (LOCKHEED)	7-N -NAT	4.99+00 1.16+01	8	TOTAL
	7-N -NAT	4.99+00 1.16+01	6	ELASTIC
	7-N -NAT	4.99+00 1.16+01	82	ELASTIC D(A)
	7-N -14	6.90+00 6.58+00	313	N,0 D(A)
	8-D -NAT	4.99+00 1.16+01	11	TOTAL
	8-D -NAT	4.99+00 1.16+01	6	ELASTIC
647 ARGMA-TN-2HIN-27 (1960) (ARGMA) QUARTERLY RESEARCH REVIEW NO. 27, U.S. ARMY ROCKET AND GUIDED MISSILE AGENCY	59-PR-141	1.44+01 1.75+01	2	N,2N
648 J. NUCLEAR ENERGY, PARTS A/B, 15, 200 (1961) D.C. STUPEGIA, R.R. HEINRICH, G.H. MC CLOUD (ANL) ANL-6600 (1961) COUNTED GAMMAS FOLLOWING DECAY OF U237, RELATIVE TO FISSION CROSS SECTION	92-U -236	3.00-01 1.44+00	7	N,0
649 ANL-6409 (1961) (ANL) REACTOR DEVELOPMENT PROGRAM PROGRESS REPORT, ARGONNE NATIONAL LABORATORY	53-I -127	2.00-01 1.70+00	30	N,0
650 J. EXPTL. THEORET. PHYS. (USSR) 40 1244 (1961) S.A. MYACHKOVA, V.P. PERELYGIN (USSR) NUCLEAR EMULSIONS	4-BE-9	1.41+01 1.41+01	1	N,2N
	4-BE-9	1.41+01 1.41+01	1	N,T
	4-BE-9	1.41+01 1.41+01	1	N,A
	4-BE-9	1.41+01 1.41+01	10	N,N'EMS E1-E2,D(A)
651 Z. NATURFORSCHG. 16, 227 (1961) H. POLLEHN, H. NEUERT (HAMBURG)	13-AL-27	1.41+01 1.41+01	1	N,P
	26-Fe-54	1.41+01 1.41+01	1	N,2N

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TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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651	26-FE-54	1.40+01 1.40+01	1	N,P
	26-FE-54	1.41+01 1.41+01	1	N,A
	26-FE-56	1.41+01 1.41+01	1	N,P
	26-FE-57	1.41+01 1.41+01	1	N,P
	29-CU-63	1.41+01 1.41+01	1	N,2N
	29-CU-63	1.41+01 1.41+01	1	N,HE3
	29-CU-64	1.41+01 1.41+01	1	N,2N
	29-CU-65	1.41+01 1.41+01	1	N,P
	30-ZN-64	3.30+00 3.60+00	2	N,P
	55-CS-133	1.41+01 1.41+01	1	N,2N
	58-CE-140	1.41+01 1.41+01	1	N,2N
652 CAN. J. PHYS. 39, 957 (1961) R.L.CLARKE (CHALK R.) TIME OF FLIGHT, NOT CORRECTED FOR MULTIPLE SCATTERING. INTEGRATED SIGMA THETA	92-U -238	1.41+01 1.41+01	1	N,N'
653 NUCLEAR PHYS. 24, 456 (1961) W.R.DIXON, J.H.AITKEN (NRC OTTAWA) KI(TL) SCINT. CRYSTAL	19-K -39	2.46+00 2.46+00	1	N,P
	19-K -39	2.46+00 2.46+00	1	N,A
654 NUCLEAR PHYS. 24, 431 (1961) R.N.GLOVER, K.H.PURSER (CANBERRA)	28-NI-58	1.48+01 1.48+01	1	N,N',P
	28-NI-58	1.48+01 1.48+01	1	N,D
655 NUCLEAR PHYS. 24, 340 (1961) J.J.VAN LOEF (CHILE)	26-FE-54	2.60+00 3.60+00	3	N,P
	28-NI-58	3.30+00 3.30+00	1	N,P
	28-NI-61	3.30+00 3.30+00	1	N,P
	30-ZN-64	2.60+00 2.60+00	1	N,P
	30-ZN-67	3.30+00 3.30+00	1	N,P
656 NATURE 191, 995 (1961) W.M.DEUCHARS, G.P.LAWRENCE (CANBERRA) DETECTED PROTONS WITH Si SEMICOND.	14-SI-28	1.40+01 1.40+01	5	N,A
657 J. EXPTL. THEORET. PHYS. (USSR) 40, 743 (1961) V.L.GLAGOLEV, P.A.YAMPOL'SKII (USSR) ACTIVATION, NORMALIZED TO 620 MILLIBARNS FOR CU63(N,2N)	41-NB-93	1.47+01 1.47+01	1	N,2N
	82-PB-208	1.47+01 1.47+01	1	N,2N
	83-BI-209	1.47+01 1.47+01	1	N,2N
658 NUCLEAR PHYS. 24, 630 (1961) R.N.GLOVER, E.WEIGOLD (CANBERRA)	13-AL-27	1.48+01 1.48+01	1	N,N',P
	13-AL-27	1.48+01 1.48+01	1	N,XP
	13-AL-27	1.48+01 1.48+01	37	N,D D(A)
659 CAN. J. CHEM. 39, 689 (1961) J.P.BUTLER, D.C.SANTRY (CHALK RIVER)	90-TH-232	6.51+00 2.04+01	18	N,2N
660 PROC. PHYS. SOC. (LONDON) 77, 508 (1961) S.K.MUKHERJEE, A.K.GANGULY, N.K.MAJUMDAR (SAHA INST. CALCUTTA) BETA COUNTING, NORMALIZED TO CU63(N,2N) OF 556 MILLIBARNS AND AL(N,ALPHA) OF 117 MILLIBARNS	11-NA-23	1.48+01 1.48+01	1	N,P
	11-NA-23	1.48+01 1.48+01	1	N,A
	13-AL-27	1.48+01 1.48+01	1	N,P
	21-SC-45	1.48+01 1.48+01	1	N,2N
	21-SC-45	1.48+01 1.48+01	1	N,2N
	21-SC-45	1.48+01 1.48+01	1	N,2N
	21-SC-45	1.48+01 1.48+01	1	N,A
	24-CR-50	1.48+01 1.48+01	1	N,2N
	24-CR-52	1.48+01 1.48+01	1	N,P

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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660

29-CU-65 1.48+01 1.48+01 1 N,P
 47-AG-107 1.48+01 1.48+01 1 N,2N
 47-AG-109 1.48+01 1.48+01 1 N,2N
 47-AG-109 1.48+01 1.48+01 1 N,P
 47-AG-109 1.48+01 1.48+01 1 N,A
 83-BI-209 1.48+01 1.48+01 1 N,P
 83-BI-209 1.48+01 1.48+01 1 N,A

661 CAN. J. CHEM. 39, 684 (1961) A.P.BAERG, G.C.BOWES
 (NATIONAL RESEARCH COUNCIL, ONTARIO)

16-S -32 1.46+01 1.46+01 1 N,T

662 PHYS. REV. 115, 989 (1959) A.D.POLARIKAS, R.W.FINK
 (U. OF ARKANSAS)

13-AL-27 1.4+01 1.48+01 1 N,P
 13-AL-27 1.48+01 1.48+01 1 N,A
 22-TI-46 1.48+01 1.48+01 1 N,2N
 22-TI-46 1.48+01 1.48+01 1 N,P
 22-TI-47 1.48+01 1.48+01 1 N,P
 22-TI-48 1.48+01 1.48+01 1 N,P
 22-TI-49 1.48+01 1.48+01 1 N,P
 22-TI-50 1.48+01 1.48+01 1 N,P
 29-CU-65 1.48+01 1.48+01 1 N,2N
 29-CU-65 1.48+01 1.48+01 1 N,P
 83-BI-209 1.48+01 1.48+01 1 N,P
 83-BI-209 1.48+01 1.48+01 1 N,A

663 PHYS. REV. 116, 927 (1959) A.E.JOHNSRUD, M.G.SILBERT,
 H.H.BARSCHALL (U. OF WISCONSIN)

23-V -51 1.50+01 2.30+00 17 N,0
 25-MN-55 1.50+01 5.80+00 17 N,0
 27-CO-58 1.80+01 2.60+00 14 N,0
 29-CU-65 1.70+01 6.10+00 24 N,0
 31-OA-71 1.70+01 2.40+00 14 N,0
 33-AS-75 1.60+01 5.80+00 18 N,0
 37-BR-79 1.80+01 4.80+00 17 N,0
 37-BR-79 1.80+01 2.70+00 13 N,0
 38-BR-81 1.80+01 2.50+00 3 N,0
 38-SR-86 1.80+01 3.20+01 4 N,0
 42-MO-100 1.50+01 6.10+00 24 N,0
 47-AG-107 1.06+01 2.60+00 20 N,0
 49-IN-115 1.30+01 6.20+00 28 N,0
 53-I -127 1.60+01 6.20+00 30 N,0
 96-BA-138 1.50+01 2.20+00 17 N,0
 57-LA-139 1.80+01 2.00+00 4 N,0
 59-FR-141 1.70+01 2.00+00 4 N,0
 60-ND-148 1.80+01 2.70+00 14 N,0
 80-NO-150 1.80+01 2.70+00 14 N,0
 62-SM-154 1.60+01 5.10+00 24 N,0
 63-EU-151 1.75+01 2.60+00 14 N,0
 66-DY-164 1.50+01 5.50+00 17 N,0
 67-HO-165 1.80+01 5.50+00 15 N,0
 74-W -186 1.60+01 2.70+00 22 N,0
 79-AU-197 1.50+01 5.50+00 21 N,0

664 PHYS. REV. 117, 514 (1960) D.M.SMITH, N.A.BOSTROM,
 E.L.HJOSPETH (UNIV. TEXAS)

9-F -19 3.86+00 6.15+00 91 N,A
 9-F -19 3.75+00 5.90+00 8 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

664 BAF2 CRYSTAL SCINTILLATION

665 PHYS. REV. 117, 1055 (1960) C.M. HUDDLESTON, R.O. LANE,
L.L. LEE, JR., F.P. MOORING (ANL)

TARGET EN. RANGE (MEV) PTS DESCRIPTION

6-C -NAT 5.04-01 1.35+00 660 TOTAL

666 PHYS. REV. 117, 1330 (1960) R.B. DAY, M. HALT (LASL)
RING SCATTERER. RESOLUTION ABOUT 30 KEV.

5-B -10 1.05+00 5.15+00 81 N,XG
5-B -10 1.93+00 4.73+00 5 RES. PARAM.
9-F -19 2.56+00 2.56+00 18 N,XG D(A)
26-FE-55 2.56+00 2.56+00 11 N,XG D(A)

667 PHYS. REV. 117, 1568 (1960) J. KUMABE, A.D. POULARIKAS,
I.L. PPKISS, D.G. GARDNER, R.W. FINK (U. OF ARKANSAS)
CROSS-SECTION VS. E FOR HO-165 TAKEN FROM
BNL-325 2ND ED. SUPPL. 1 (1960)

13-AL-27 1.48+01 1.48+01 1 N,HE3
15-P -31 1.4+01 1.48+01 1 N,HE3
23-V -51 1.48+01 1.48+01 1 N,HE3
25-MN-55 1.48+01 1.48+01 1 N,HE3
27-CO-59 1.48+01 1.48+01 1 N,HE3
33-AS-75 1.48+01 1.48+01 1 N,HE3
45-RH-103 1.48+01 1.48+01 1 N,HE3

668 ANL-6379, 228 (1961) D.C. STUPEOLA (ANL)
CHEMICAL ENGINEER DIVISION QUARTERLY SUMMARY REPORT, ARGONNE
NATIONAL LABORATORY. TRANSMISSION MEASUREMENTS

92-U -233 1.00-02 1.61+00 23 TOTAL

669 ANL-6485 (1961)
(ANL)
REACTOR DEVELOPMENT PROGRAM MONTHLY PROGRESS REPORT, ARGONNE
NATIONAL LABORATORY

45-RH-103 1.75-01 1.70+00 20 N,0
45-RH-103 1.75-01 1.70+00 19 N,0
73-TA-NAT 3.50-01 1.02+00 9 ELASTIC

670 ARGMA-TN-241N-30, 13 (1961) D.R. KOEHLER, W.L. ALFORD (ARGMA)
RESEARCH LABORATORY QUARTERLY RESEARCH REVIEW. ORDNANCE
MISSILE LABORATORIES DIVISION, U.S. ARMY ROCKET AND GUIDED
MISSILE AGENCY

58-CE-140 1.47+01 1.47+01 1 N,2N
58-CE-140 1.47+01 1.47+01 1 N,2N
60-ND-142 1.47+01 1.47+01 1 N,2N
60-ND-142 1.47+01 1.47+01 1 N,2N
62-SM-144 1.47+01 1.47+01 1 N,2N
62-SM-144 1.47+01 1.47+01 1 N,2N

671 KAPL-2214 (1962) K.W. SEEMANN, W.E. MOORE (KAPL)
ACTIVATION OF OXYGEN BEARING LIQUID SCINTILLATION

8-O -16 1.26+01 1.63+01 22 N,P

672 PHYS. REV. 118, 242 (1960) R.G. WILLE, R.W. FINK
(U. OF ARKANSAS)

56-BA-134 1.48+01 1.48+01 1 N,2N
56-BA-136 1.48+01 1.48+01 1 N,2N
56-BA-136 1.48+01 1.48+01 1 N,P
56-BA-138 1.48+01 1.48+01 1 N,2N
56-BA-138 1.48+01 1.48+01 1 N,P
57-LA-139 1.48+01 1.48+01 1 N,0
57-LA-139 1.48+01 1.48+01 1 N,P
57-LA-139 1.48+01 1.48+01 1 N,A
58-CE-140 1.48+01 1.48+01 1 N,2N
58-CE-140 1.48+01 1.48+01 1 N,P
58-CE-140 1.48+01 1.48+01 1 N,A
58-CE-142 1.48+01 1.48+01 1 N,2N
58-CE-142 1.48+01 1.48+01 1 N,P
58-CE-142 1.48+01 1.48+01 1 N,A
59-PR-141 1.48+01 1.48+01 1 N,2N

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

TARGET EN. RANGE (MEV) PTS DESCRIPTION

59-PR-141 1.48+01 1.48+01 1 N.G

59-PR-141 1.48+01 1.48+01 1 N.P

60-ND-142 1.48+01 1.48+01 1 N.2N

60-ND-142 1.48+01 1.48+01 1 N.A

60-ND-146 1.48+01 1.48+01 1 N.A

60-ND-148 1.48+01 1.48+01 1 N.2N

60-ND-148 1.48+01 1.48+01 1 N.P

60-ND-148 1.48+01 1.48+01 1 N.A

60-ND-150 1.48+01 1.48+01 1 N.2N

62-5M-144 1.48+01 1.48+01 1 N.2N

62-5M-152 1.48+01 1.48+01 1 N.P

62-5M-152 1.48+01 1.48+01 1 N.A

62-5M-154 1.48+01 1.48+01 1 N.2N

62-5M-154 1.48+01 1.48+01 1 N.P

62-5M-154 1.48+01 1.48+01 1 N.A

63-CU-151 1.48+01 1.48+01 1 N.2N

63-CU-153 1.48+01 1.48+01 1 N.2N

64-QD-160 1.48+01 1.48+01 1 N.2N

64-QD-160 1.48+01 1.48+01 1 N.G

64-QD-160 1.48+01 1.48+01 1 N.A

66-DY-164 1.48+01 1.48+01 1 N.G

66-DY-164 1.48+01 1.48+01 1 N.A

66-DY-164 1.48+01 1.48+01 1 N.2N

68-ER-166 1.48+01 1.48+01 1 N.P

68-ER-167 1.48+01 1.48+01 1 N.2N

68-ER-168 1.48+01 1.48+01 1 N.A

68-ER-168 1.48+01 1.48+01 1 N.P

68-ER-170 1.48+01 1.48+01 1 N.2N

68-ER-170 1.48+01 1.48+01 1 N.A

68-ER-170 1.48+01 1.48+01 1 N.P

68-ER-170 1.48+01 1.48+01 1 N.2N

70-Y8-176 1.48+01 1.48+01 1 N.2N

71-LU-175 1.48+01 1.48+01 1 N.2N

71-LU-175 1.48+01 1.48+01 1 N.G

673 PHYS. REV. 120, 521 (1960) J.M. PETERSON, A. BRATENHALL,
J.P. STORRING (LRL LIVERMORE)
TIME OF FLIGHT TECHNIQUE

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1-H-1 1.78+01 1.78+01 5 TOTAL

1-H-2 1.78+01 1.78+01 4 TOTAL

3-L-6 1.81+01 1.81+01 4 TOTAL

3-L-7 1.81+01 1.81+01 4 TOTAL

4-BE-9 1.75+01 1.75+01 4 TOTAL

6-C-NAT 1.78+01 1.78+01 5 TOTAL

7-N-NAT 1.77+01 1.77+01 4 TOTAL

8-0-NAT 1.80+01 1.80+01 4 TOTAL

9-F-19 1.77+01 1.77+01 4 TOTAL

12-MO-NAT 1.75+01 1.75+01 4 TOTAL

13-AL-27 1.80+01 1.80+01 5 TOTAL

14-SI-NAT 1.80+01 1.80+01 4 TOTAL

20-CA-NAT 1.81+01 1.81+01 4 TOTAL

22-TI-NAT 1.75+01 1.75+01 4 TOTAL

23-V-NAT 1.75+01 1.75+01 4 TOTAL

24-CR-NAT 1.75+01 1.75+01 4 TOTAL

REF BIBLIOGRAPHY

673

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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26-FE-NAT	1.73+01 2.78+01	4	TOTAL
27-CO-59	1.74+01 2.90+01	4	TOTAL
28-NI-NAT	1.75+01 2.86+01	5	TOTAL
29-CU-NAT	1.74+01 2.90+01	9	TOTAL
30-ZN-NAT	1.75+01 2.86+01	5	TOTAL
31-GA-NAT	1.76+01 2.86+01	4	TOTAL
32-GE-NAT	1.75+01 2.89+01	4	TOTAL
40-ZR-NAT	1.74+01 2.89+01	4	TOTAL
42-MO-NAT	1.73+01 2.90+01	6	TOTAL
46-PD-NAT	1.75+01 2.89+01	4	TOTAL
47-AG-NAT	1.74+01 2.86+01	4	TOTAL
48-CD-NAT	1.75+01 2.88+01	4	TOTAL
49-IN-NAT	1.75+01 2.89+01	5	TOTAL
50-SN-NAT	1.73+01 2.88+01	4	TOTAL
51-SB-NAT	1.75+01 2.88+01	4	TOTAL
58-CE-NAT	1.75+01 2.78+01	4	TOTAL
73-TA-NAT	1.73+01 2.78+01	4	TOTAL
74-W-NAT	1.73+01 2.88+01	4	TOTAL
78-PT-NAT	1.73+01 2.89+01	4	TOTAL
79-AU-197	1.73+01 2.88+01	5	TOTAL
81-TL-NAT	1.75+01 2.89+01	4	TOTAL
82-PB-NAT	1.73+01 2.88+01	4	TOTAL
83-BI-209	1.73+01 2.89+01	4	TOTAL
92-U-235	1.73+01 2.89+01	4	TOTAL
92-U-238	1.73+01 2.89+01	4	TOTAL
94-PU-239	1.73+01 2.89+01	4	TOTAL

674 PHYS. REV. 120, 556 (1960) B.C.DIVEN, J.TERRELL,
A.HEMMENDINOER (LASL)
COUNTED GAMMAS. LARGE LIQUID SCINTILLATOR TANK. RELATIVE TO
U235 CAPTURE + FISSION CROSS SECTIONS

20-CA-NAT	4.00-01 4.00-01	1	N.O.
22-TI-NAT	1.75-01 1.00+00	7	N.O.
24-CR-NAT	1.75-01 1.00+00	7	N.O.
26-FE-NAT	1.75-01 1.00+00	7	N.O.
28-NI-NAT	1.75-01 1.00+00	7	N.O.
29-CU-NAT	1.75-01 1.00+00	7	N.O.
30-ZN-NAT	1.75-01 1.00+00	7	N.O.
37-RB-NAT	4.00-02 4.00-02	1	N.O.
39-Y-89	4.00-01 4.00-01	1	N.O.
40-ZR-NAT	1.75-01 1.00+00	7	N.O.
41-NB-93	1.75-01 1.00+00	7	N.O.
42-MO-NAT	1.75-01 1.00+00	7	N.O.
44-RU-NAT	1.75-01 1.00+00	7	N.O.
45-RH-103	1.75-01 1.00+00	7	N.O.
47-AG-NAT	1.75-01 1.00+00	7	N.O.
48-CD-NAT	4.00-01 4.00-01	1	N.O.
49-IN-NAT	1.75-01 1.00+00	7	N.O.
50-SN-NAT	1.75-01 1.00+00	7	N.O.
51-SB-NAT	1.75-01 1.00+00	7	N.O.
53-I-127	4.00-01 4.00-01	1	N.O.
58-CE-NAT	4.00-01 4.00-01	1	N.O.
73-TA-NAT	1.75-01 1.00+00	7	N.O.
74-W-NAT	1.75-01 1.00+00	7	N.O.
78-PT-NAT	1.75-01 1.00+00	7	N.O.
79-AU-197	1.75-01 1.00+00	7	N.O.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

674

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
82-PB-NAT	1.75-01 1.00+00	7 N.0	
83-BI-209	4.00-01 4.00-01	1 N.0	
92-U-238	1.75-01 1.00+00	7 N.0	

675 PHYS. REV. 101, 1053 (1956) R.R.SMITH, N.P.ALEY, R.H.LEWIS,
A.VANDER DOES (PHILLIPS)
MTR ACTIVATION. RELATIVE TO CO-59 N,GAMMA CROSS SECTION OF
37.0 BARNS

91-PA-231	2.50-08 2.50-08	1 N.0	SPECT.AV.
91-PA-232	2.50-08 2.50-08	1 N.0	SPECT.AV.

676 PHYS. REV. 122, 168 (1961) L.A.RAYBURN (ANL)
COINCIDENCE COUNTING, ANNIHILATION RADIATION. NORMALIZED TO
CU63(N,2N), 503 MILLIBARNS
BULL. AM. PHYS. SOC. 4, 288 (1959)

7-N -NAT	1.44+01 1.44+01	1 N.2N	
9-F -19	1.44+01 1.44+01	1 N.2N	
15-P -31	1.44+01 1.44+01	1 N.2N	
17-CL-35	1.44+01 1.44+01	1 N.2N	
19-K -39	1.44+01 1.44+01	1 N.2N	
21-SC-45	1.44+01 1.44+01	1 N.2N	
22-TI-46	1.44+01 1.44+01	1 N.2N	
24-CR-50	1.44+01 1.44+01	1 N.2N	
26-FE-54	1.44+01 1.44+01	1 N.2N	
28-NI-58	1.44+01 1.44+01	1 N.2N	
29-CU-65	1.44+01 1.44+01	1 N.2N	
30-ZN-64	1.44+01 1.44+01	1 N.2N	
31-GA-69	1.44+01 1.44+01	1 N.2N	
32-GE-70	1.44+01 1.44+01	1 N.2N	
34-SE-74	1.44+01 1.44+01	1 N.2N	
34-SE-74	1.44+01 1.44+01	1 N.2N	
35-BR-79	1.44+01 1.44+01	1 N.2N	
35-BR-81	1.44+01 1.44+01	1 N.2N	
40-ZR-90	1.44+01 1.44+01	1 N.2N	
44-RU-96	1.44+01 1.44+01	1 N.2N	
47-AO-107	1.44+01 1.44+01	1 N.2N	
48-CD-106	1.44+01 1.44+01	1 N.2N	
50-SN-112	1.44+01 1.44+01	1 N.2N	
51-SB-121	1.44+01 1.44+01	1 N.2N	
59-PR-141	1.44+01 1.44+01	1 N.2N	
60-ND-142	1.44+01 1.44+01	1 N.2N	
62-SM-144	1.44+01 1.44+01	1 N.2N	

677 PHYS. REV. 122, 182 (1961) J.H.GIBBONS, R.L.MACKLIN,
P.D.MILLER, J.H.NEILER (ORNL)
LIQUID SCINTILLATION. NORMALIZED TO IN(N,GAM) OF 760
MILLIBARNS AT 30 KEV
BULL. AM. PHYS. SOC. 4, 385 (1959)

6-C -12	3.00-02 1.67-01	3 N.0	
9-F -19	3.00-02 3.00-02	1 N.0	
12-MO-NAT	3.00-02 6.50-02	2 N.0	
13-AL-27	3.00-02 3.00-02	1 N.0	
14-SI-NAT	3.00-02 3.00-02	1 N.0	
16-S -NAT	3.00-02 3.00-02	1 N.0	
23-V -NAT	3.00-02 3.00-02	1 N.0	
24-CR-NAT	3.00-02 6.50-02	2 N.0	
26-FE-NAT	3.00-02 6.50-02	2 N.0	
27-CO-59	3.00-02 3.00-02	1 N.0	
28-NI-NAT	3.00-02 6.50-02	2 N.0	
29-CU-NAT	3.00-02 6.50-02	2 N.0	
30-ZN-NAT	3.00-02 6.50-02	2 N.0	
32-GE-NAT	6.50-02 6.50-02	1 N.0	
35-BR-NAT	3.00-02 6.50-02	2 N.0	

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

677

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
38-SR-NAT	3.00-02 6.50-02	2 N,0	
39-Y -89	3.00-02 6.50-02	2 N,0	
40-ZR-NAT	3.00-02 6.50-02	2 N,0	
41-NB-93	7.50-03 1.70-01	49 N,0	
42-MO-NAT	3.00-02 6.50-02	2 N,0	
45-RH-103	6.50-02 6.50-02	1 N,0	
46-PD-NAT	1.01-02 1.74-01	36 N,0	
47-AG-NAT	9.60-03 1.60-01	50 N,0	
48-CD-NAT	8.00-03 1.60-01	40 N,0	
49-IN-NAT	7.30-03 4.00-01	70 N,0	
50-SN-NAT	3.00-02 6.50-02	2 N,0	
51-SB-NAT	7.60-03 1.80-01	48 N,0	
53-I -127	9.50-03 1.70-01	47 N,0	
57-LA-139	3.00-02 6.50-02	2 N,0	
58-CE-NAT	3.00-02 6.50-02	2 N,0	
59-PR-141	1.10-02 1.67-01	48 N,0	
62-SM-NAT	1.00-02 1.67-01	52 N,0	
64-GD-NAT	7.50-03 1.67-01	54 N,0	
65-TB-159	1.13-02 1.74-01	45 N,0	
66-DY-NAT	6.40-03 1.67-01	55 N,0	
67-HO-165	5.50-03 1.67-01	54 N,0	
68-ER-NAT	9.45-03 1.72-01	49 N,0	
69-TM-169	9.50-03 1.67-01	57 N,0	
70-YB-NAT	9.50-03 1.67-01	48 N,0	
71-LU-NAT	6.50-03 2.03-01	77 N,0	
73-TA-NAT	6.50-03 1.67-01	49 N,0	
74-W -NAT	1.20-02 1.80-01	55 N,0	
78-PT-NAT	3.00-02 6.50-02	2 N,0	
79-AU-197	9.40-03 1.67-01	51 N,0	
80-HG-NAT	3.00-02 6.50-02	2 N,0	
81-TL-NAT	3.00-02 6.50-02	2 N,0	
82-PB-NAT	3.00-02 6.50-02	2 N,0	
83-BI-209	3.00-02 6.50-02	2 N,0	
92-U -238	3.00-02 6.50-02	2 N,0	

678 PHYS. REV. 122, 534 (1961) H.O.COHN, J.K.BAIR,
H.B.WILLARD (ORNL)
TRANSMISSION, ENRICHED ISOTOPES, BEST RESOLUTION ABOUT 10 KEV

6-C -13 1.12-01 2.28+01 210 TOTAL
6-C -13 1.53-01 2.45+00 8 RES.PARAM.

679 PHYS. REV. 122, 860 (1961) D.M.CHITTENDEN, II, D.G.GARDNER,
R.W.FINK (U. OF ARKANSAS)

26-FE-54 1.48+01 1.48+01 1 N,2N
26-FE-54 1.48+01 1.48+01 1 N,T
26-FE-54 1.48+01 1.48+01 1 N,A
26-FE-56 1.48+01 1.48+01 1 N,P
26-FE-57 1.48+01 1.48+01 1 N,N'
26-FE-57 1.48+01 1.48+01 1 N,P
26-FE-58 1.48+01 1.48+01 1 N,P
26-FE-58 1.48+01 1.48+01 1 N,A

680 PHYS. REV. 122, 1280 (1961) S.A.COX (ANL)

79-AU-197 3.00-02 1.50+00 21 N,0

681 PHYS. REV. 122, 1877 (1961) C.F.WILLIAMSON (UNIV. TEXAS)
ACTIVATION, ABSOLUTE

11-NA-23 3.95+00 1.89+01 189 N,P
11-NA-23 6.30+00 1.90+01 45 N,A

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

681 PHYS. REV. 110, 139 (1958) C.F.WILLIAMSON, E.L.HUDSPETH,
I.L.MORGAN, R.G.MOORE

682 PHYS. REV. 123, 209 (1961) D.B.FOSSAN, R.L.WALTER,
W.E.WILSON, H.H.BARSCHALL (UNIV. WISC.)
GOOD GEOM. TRANSMISSION. CORRECTION FOR INSCATTERING. ENERGY
RECALIBRATED BY AUTHOR ACCORDING TO BNL RESONANCE AT 3.44
MEV IS A DOUBLET. RESOLUTION WAS ABOUT 15-20 KEV UP TO 7 MEV
AND ABOUT 40-50 KEV ABOVE THIS ENERGY.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
4-8E-9	3.38+00 1.59+01	171	TOTAL
5-B -NAT	3.31+00 1.52+01	180	TOTAL
5-B -10	3.33+00 1.53+01	138	TOTAL
5-B -10	4.30+00 6.20+00	3	RES.PARAM.
5-B -11	3.50+00 9.72+00	12	RES.PARAM.
6-C -NAT	3.29+00 1.59+01	217	TOTAL
6-C -12	3.58+00 1.21+01	16	RES.PARAM.
8-0 -NAT	3.37+00 1.59+01	373	TOTAL
8-0 -16	3.64+00 1.15+01	32	RES.PARAM.

683 PHYS. REV. 123, 218 (1961) H.C.CATRON, M.D.GOLDBERG,
R.W.HILL, J.M.LEBLANC, J.P.STODER, C.J.TAYLOR,
M.A.WILLIAMSON (LRL LIVERMORE)
LIQUID SCINTILLATION. NORMALIZED TO CF252 NU = 3.80

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1-H -2	6.11+00 1.41+01	6	N,2N
4-8E-9	6.55+00 1.41+01	4	N,2N

684 PHYS. REV. 123, 948 (1961) L.W.WESTON, W.S.LYON (ORNL)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
79-AU-197	3.00-02 6.40-02	3	N,0

685 NUCLEAR PHYS. 6, 189 (1958) H.R.STRIEBEL, S.E.DARDEN,
H.HAEFELI (UNIV. WISC.)
PRIVATE COMMUNICATION (1958) VIA BNL SIGMA CENTER 1/65
TRANSMISSION. SMO SAMPLES CORRECTION FOR SN. NEUTRON ENERGY
SPREAD ABOUT 8 KEV.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
8-0 -NAT	6.10-01 1.43+00	73	TOTAL
8-0 -16	1.00+00 1.31+00	4	RES.PARAM.

686 PHYS. REV. 124, 1531 (1961) J.W.BORING,
H.T.MC ELLISTREH (UNIV. KENTUCKY)
NAI DETECTOR ROTATED AROUND TARGET

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
12-MG-24	2.90+00 2.90+00	1	N,X0
12-MG-24	2.90+00 2.90+00	5	N,X0
25-MN-55	2.90+00 2.90+00	2	N,X0
25-MN-55	2.90+00 2.90+00	10	N,X0
26-FE-56	2.90+00 2.90+00	1	N,X0
26-FE-56	2.87+00 2.87+00	5	N,X0
82-PB-206	2.90+00 2.90+00	2	N,X0
82-PB-206	2.90+00 2.90+00	10	N,X0

687 PHYS. REV. 124, 1947 (1961) M.CERINEO, K.I.LAKOVAK, I.SLAUS,
P.TOMAS (ZAGREB)
COUNTER TELESCOPE
PHYS. REV. LETTERS 14, 444 (1965)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1-H -1	1.44+01 1.44+01	1	N,0
1-H -2	1.44+01 1.44+01	1	N,0

688 PHYS. REV. 125, 1011 (1962) F.L.HASSLER,
R.A.PECK, JR. (BROWN UNIV.)
COUNTER TELESCOPE AND SCINTILLATION SPECTROMETER

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
12-MG-NAT	1.44+01 1.44+01	1	N,P
13-AL-27	1.44+01 1.44+01	1	N,N'P
13-AL-27	1.44+01 1.44+01	1	N,P
13-AL-27	1.44+01 1.44+01	6	N,XP
14-SI-NAT	1.44+01 1.44+01	1	N,P
14-SI-NAT	1.44+01 1.44+01	8	N,XP
15-P -31	1.44+01 1.44+01	1	N,N'P
15-P -31	1.44+01 1.44+01	1	N,P
15-P -31	1.44+01 1.44+01	6	N,XP
16-S -NAT	1.44+01 1.44+01	1	N,N'P
16-S -NAT	1.44+01 1.44+01	1	N,P
16-S -NAT	1.44+01 1.44+01	6	N,XP

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	P/S DESCRIPTION
688	22-TI-NAT	1.44+01 1.44+01	1 N,P
	22-TI-NAT	1.44+01 1.44+01	6 N,XP D(A)
	26-FE-NAT	1.44+01 1.44+01	1 N,P
	26-FE-NAT	1.44+01 1.44+01	6 N,XP D(A)
	27-CO-59	1.44+01 1.44+01	1 N,N'P
	27-CO-59	1.44+01 1.44+01	1 N,P
	27-CO-59	1.44+01 1.44+01	6 N,XP D(A)
	28-NI-NAT	1.44+01 1.44+01	1 N,N'P
	28-NI-NAT	1.44+01 1.44+01	1 N,P
	28-NI-NAT	1.44+01 1.44+01	6 N,XP D(A)
	30-ZN-64	1.44+01 1.44+01	1 N,XP
	30-ZN-NAT	1.44+01 1.44+01	6 N,XP D(A)
689 PHYS. REV. 125, 1329 (1962) H.L.SMITH, R.K.SMITH, R.L.HENKEL (LASL)	94-PU-241	1.20-01 2.10+01	33 N,FISS
PRELIMINARY RESULTS	94-PU-241	1.20-01 2.10+01	33 N,FISS C/S RATIO
WASH-1028 P.35 (1960)			
DATA REVISED AS PER PRIVATE COMMUNICATION (1969) SMITH			
690 PHYS. REV. 125, 1334 (1962) W.L.IMHOFF, R.G.JOHNSON, F.J.VAUGHN, M.WALT (LOCKHEED)	5-B -NAT	9.50-01 1.35+00	47 TOTAL
TRANSMISSION FOR TOTAL ACTIVATION FOR N,GAMMA. FLUX MEASURED BY 1127 N,GAMMA OF BAME AND CUBITT, USED 5.6 BARNS FOR THERMAL 1127 N,GAMMA. RESOLUTION VARIED FROM 50-200 KEV. BULL. AM. PHYS. SOC. 5, 245 (1960)	5-B -11	1.39-01 2.32+00	42 N,0
	5-B -11	2.50-08 2.50-08	1 N,0 SPECT.AV.
	5-B -11	4.30-01 1.78+00	7 RES.PARAM.
691 PHYS. REV. 125, 2049 (1962) D.B.THOMSON, L.CRANBERG, J.S.LEVIN (LASL)	12-MG-NAT	2.00+00 5.00+00	3 TOTAL
TIME OF FLIGHT	12-MG-NAT	2.00+00 5.00+00	4 ELASTIC
	12-MG-NAT	1.89+00 4.76+00	40 ELASTIC D(A)
	12-MG-24	2.00+00 5.00+00	4 N,N'
	12-MG-24	2.84+00 4.76+00	30 N,N' D(A)
692 PHYS. REV. 126, 271 (1962) L.GONZALEZ, A.TRIER, J.J.VAN LOEF (CHILE)	22-TI-47	1.99+00 3.55+00	12 N,P
693 PHYS. REV. 126, 718 (1962) A.D.SMITH (ANL)	90-TH-232	5.70-01 1.50+00	6 ELASTIC
	90-TH-232	5.70-01 1.50+00	6 N,N'
	90-TH-232	3.00-01 1.20+00	31 N,N'
	90-TH-232	1.19+00 1.61+00	18 N,N'
	90-TH-232	5.60-01 1.50+00	41 ELASTIC D(A)
	90-TH-232	5.60-01 5.60-01	20 N,N' D(A)
694 PHYS. REV. 126, 1532 (1962) S.M.AUSTIN, H.H.BARSCHALL, R.E.SHAMU (U. OF WISCONSIN)	2-HE-NAT	6.99+00 1.20+01	4 TOTAL
	2-HE-NAT	2.02+00 2.09+01	219 ELASTIC D(A)
695 PHYS. REV. 120, 901 (1960) J.A.DE JUREN, R.W.STOOKS JERRY (BETTS, WESTINGHOUSE)	8-0 -16	1.47+01 1.47+01	1 N,P
	29-CU-63	1.46+01 1.46+01	1 N,2N
696 TID-11005 PAGE 19 (1960) L.A.GALLOWAY, III (CASE INSTITUTE)	9-F -19	5.65-01 5.65-01	1 ELASTIC
TIME-OF-FLIGHT. GOOD GEOMETRY	9-F -19	5.65-01 5.65-01	2 N,N'
	92-U -235	5.00-01 9.50-01	4 TOTAL
	92-U -238	5.00-01 9.50-01	4 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTIC
697 PRIVATE COMMUNICATION (1962) A.K.FURR, H.W.NEWSN, R.H.ROHRER (DUKE U.)	42-MO-98 42-MO-100 45-RH-103 47-AG-NAT 47-AG-107 47-AG-109 49-IN-NAT 53-I-127 79-AU-197	2.50-02 2.50-02 2.50-02 2.50-02 2.50-02 2.50-02 2.50-02 2.50-02 2.50-02 2.50-02 2.50-02 2.50-02 2.50-02 2.50-02 2.50-02 2.50-02 2.50-02 2.50-02	1 1 1 1 1 1 1 1 1	N,G N,G N,G N,G N,G N,G N,G N,G N,G
698 ANU/P-236 (1961) R.N.GLOVER, E.WEIGOLD (CANBERRA)	28-NI-58 28-NI-58 28-NI-58	1.38+01 1.48+01 1.38+01 1.48+01 1.38+01 1.48+01	9 9 9	N,2N N,P N,P
699 PHYS. REV. 133, 353 (1964) C.T.HIBDON (ANL) TRANSMISSION. FLAT DETECTION AND SELF DETECTION. SEE ALSO REFERENCE 2420. THE NEUTRON ENERGY SPREAD WAS 400 EV AT 27 KEV.	3-LI-NAT 9-F -19 9-F -19	1.00-03 3.92-01 1.00-03 3.00-01 1.52-02 2.67-01	423 651 41	TOTAL TOTAL RES.PARAM.
700 PHYS. REV. 127, 1229 (1962) J.A.DE JUREN, R.W.STOOKSBERRY, M.WALLIS (BETTS AND LASL) ACTIVATION OF OXYGEN BEARING SCINTILLATION	8-O -16	1.10+01 1.90+01	27	N,P
701 ORO-367 (1961) (U. OF ARKANSAS) ANNUAL PROGRESS REPORT UNIVERSITY OF ARKANSAS DEPARTMENT OF CHEMISTRY	24-CR-50 24-CR-52 24-CR-53 25-MN-55 33-AS-75 38-SR-88 38-SR-88 40-ZR-91 40-ZR-92 40-ZR-94 40-ZR-94 40-ZR-94 40-ZR-96 64-GD-158 65-TB-159	1.48+01 1.48+01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N,2N N,P N,P N,A N,A N,2N N,P N,P N,P N,A N,A N,A N,G N,P
702 NUCLEAR PHYS. 30, 49 (1962) P.STROHAL, N.CINDRO, B.EMAN (ZAGREB)	13-AL-27 35-BR-81 35-BR-81 35-BR-81 35-BR-81 35-BR-81 35-BR-81 35-BR-81 35-BR-81 37-RB-85 37-RB-85 37-RB-87 37-RB-87 38-SR-84 38-SR-86 38-SR-86	1.46+01 1.46+01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N,A N,2N N,2N N,2N N,P N,P N,A N,2N N,A N,2N N,A N,2N N,2N N,2N N,2N N,2N

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

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	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
704	67-HO-165	1.41+01 1.41+01	1	N,P
705 A/CONF. 15, 392 (1958) A.B.SILITH, P.R.FIELDS, A.M.FRIEDMAN, S.A.COX, R.K.SJOBLÖM (ANL) WATT FISSION SPECTRUM PARAMETERS ALSO GIVEN FOR U234, PU242, CF252	98-CF-252	-6.35+00-6.35+00	1	NU-CLAY
706 ATOMNAYA ENERGIYA 11, 397 (1961) YU.G.DEJTYAREV, V.G.NADTOCHII (USSR) SPHERE TRANSMISSION. NO MULTIPLE SCATTERING CORRECTION	13-AL-27 26-FE-NAT 29-CU-NAT 82-PB-NAT 92-U -235 92-U -238 94-PU-239	1.43+01 1.61+01 1.43+01 1.97+01 1.61+01 1.97+01 1.34+01 1.97+01 1.2+01 1.87+01 1.34+01 1.84+01 1.68+01 1.68+01	3 4 2 4 4 4 1	NONE LAS NONE LAS NONE LAS NONE LAS NONE LAS NONE LAS NONE LAS
707 ATOMNAYA ENERGIYA 12, 62 (1962) A.I.ABRAMOV (USSR)	24-CR-NAT 26-FE-NAT 28-NI-NAT 41-NB-93 42-MO-NAT	1.40+00 2.40+00 1.00+00 2.20+00 1.50+00 2.40+00 8.00-01 2.60+00 4.00-01 2.40+00	4 7 6 10 10	NONE LAS NONE LAS NONE LAS NONE LAS NONE LAS
708 ATOMNAYA ENERGIYA 12, 48 (1962) G.N.LOVCHIKOVA (USSR) INTEGRATED ANGULAR DISTRIBUTION. MULTIPLE SCATTERING CORRECTION MADE	20-CA-NAT 20-CA-NAT 22-TI-NAT	9.00-01 9.00-01 9.00-01 9.00-01 9.00-01 9.00-01	1 5 1	ELASTIC ELASTIC D(A) ELASTIC
709 NUCLEAR SCIENCE AND ENGINEERING 12, 169 (1962) J.C.HOPKINS, B.C.DIVEN (LASL) PHYS. OF FAST AND INTERMED. REACTORS. VIENNA, SM-18/55(1961) VOLUME 1 PAGE 111 LARGE LIQUID SCINTILLATOR	92-U -233 92-U -233 92-U -235 92-U -235 94-PU-239 94-PU-239	3.00-02 1.00+00 3.00-02 1.00+00 3.00-02 1.00+00 3.00-02 1.00+00 3.00-02 1.00+00 3.00-02 1.00+00	9 9 9 9 9 9	N, O ALPHA N, O ALPHA N, O ALPHA
710 J. PHYS. RADIUM 22, 651 (1961) C.F.WILLIAMSON, J.PICARD (SACLAY)	9-F -19	1.24+01 2.10+01	8	N, 2N
711 J. PHYS. RADIUM 22, 149 (1961) D.DIDIER (CEA) TRANSMISSION MEASUREMENT COUNTED ALPHA PARTICLES	4-BE-9 6-C -NAT 13-AL-27 92-U -238	1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01	1 1 1 1	TOTAL TOTAL TOTAL TOTAL
712 PROC. PHYS. SOC. (LONDON) 78, 801 (1961) J.F.BARRY, J.L.BUNCE, J.L.PERKIN (AWRE) COUNTED GAMMAS FOLLOWING DECAY U237. RELATIVE TO U235 FISSION CROSS SECTION	92-U -236	3.60-01 3.97+00	14	N, O
713 J. PHYS. RADIUM 22, 602 (1961) M.BORMANN, S.CIERJACKS, R.LANGKAU, H.NEUERT, H.POLLEHN (HAMBURG) ACTIVATION	13-AL-27 23-V -51 27-CO-59 27-CO-59	1.26+01 1.96+01 1.26+01 1.96+01 1.31+01 1.96+01 1.26+01 1.46+01	5 9 8 9	N, A N, A N, 2N N, A
714 NUCLEAR PHYS. 32, 610 (1962) J.H.TOWLE, W.B.GILBOY (AWRE) TIME OF FLIGHT TECHNIQUE. CORRECTED FOR MULTIPLE SCATTERING	11-NA-23 11-NA-23	7.75-01 4.07+00 9.80-01 2.51+00	94 3	TOTAL ELASTIC

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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714 AND ANGULAR RESOLUTION EFFECTS. DIFFERENTIAL CROSS SECTION NORMALIZED TO N-P CROSS SECTION	11-NA-23 11-NA-23 11-NA-23	5.50-01 3.97+00 9.00-01 3.97+00 9.80-01 3.97+00	29 N,N' 42 ELASTIC D(A) 55 N,N' D(A)
715 ATOMNAYA ENERGIYA 10, 508 (1961) YU.YA.STAVISSKII, V.A.TOLSTIKOV (USSR)	25-MN-55 29-CU-65 56-BA-138 90-TM-232	3.70-02 1.70+00 2.50-02 2.00+00 8.50-02 1.90+00 3.00-02 9.50-01	18 N,0 27 N,0 12 N,0 27 N,0
716 ATOMNAYA ENERGIYA 10, 264 (1961) YU.YA.STAVISSKII, A.V.SHAPAR' (USSR)	26-FE-NAT 28-NI-NAT 41-NB-93	3.70-02 9.20-01 3.70-02 9.00-01 2.C.-02 7.30-01	12 N,0 13 N,0 12 N,0
717 IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 25, 309 (1961) D.L.BRODER, A.I.LASHUK, I.P.SADOKHIN (USSR)	26-FE-NAT 51-SB-NAT	1.00+00 2.50+00 1.05+00 2.50+00	16 N,N' 28 N,N'
718 ORNL-3085 P.48 (1961) R.C.BLOCK, G.G.SLAUGHTER, L.W.WESTON, F.C.VON DER LAGE (ORNL) NEUTRON TIME-OF-FLIGHT METHODS. EANDC. SACLAY, PAGE 203(1961) LIQUID SCINTILLATOR	44-RU-NAT 45-RH-103 46-PD-NAT 47-AG-NAT 48-CD-NAT 49-IN-NAT 51-SB-NAT 53-I -127 62-SM-NAT 63-EU-NAT 64-GD-NAT 65-TB-159 66-DY-NAT 67-HO-165 68-ER-NAT 69-TM-169 70-YB-NAT 71-LU-175 72-HF-NAT 73-TA-NAT 74-W -NAT 75-RE-NAT 76-OS-NAT 77-IR-NAT 78-Pt-NAT 79-AU-197	2.40-04 8.60-03 2.10-04 8.50-03 2.00-04 8.50-03 1.90-04 8.20-03 2.00-04 7.50-03 2.00-04 8.20-03 2.10-04 8.50-03 2.00-04 8.60-03 2.10-04 7.80-03 2.10-04 9.50-03 2.00-04 7.20-03 2.00-04 9.50-03 2.00-04 7.90-03 2.00-04 9.30-03 2.00-04 7.80-03 2.00-04 7.50-03 2.00-04 6.00-03 2.00-04 5.80-03 2.10-04 8.00-03 2.00-04 7.00-03 2.00-04 8.00-03 2.10-04 9.50-03 2.10-04 7.20-03 2.00-04 9.50-03 2.00-04 9.50-03 2.30-04 7.50-03	37 N,0 55 N,0 40 N,0 42 N,0 29 N,0 44 N,0 36 N,0 39 N,0 42 N,0 49 N,0 40 N,0 53 N,0 44 N,0 50 N,0 45 N,0 46 N,0 41 N,0 44 N,0 43 N,0 49 N,0 42 N,0 51 N,0 49 N,0 51 N,0 42 N,0
719 PRIVATE COMMUNICATION (1962) G.C.KYKER, JR., J.A.FARRELL, C.D.BOWMAN, E.G.BILPUCH, H.W.NEWSON (DUKE U.)	82-PB-206 82-PB-207 82-PB-208	3.60-02 6.63-01 3.30-02 6.30-01 4.00-02 7.32-01	1243 TOTAL 1156 TOTAL 1290 TOTAL
720 PRIVATE COMMUNICATION (1962) E.G.BILPUCH, J.A.FARRELL, G.C.KYKER, JR., P.B.PARKS, H.W.NEWSON (DUKE) TRANSMISSION. G.FOSTER(LAS.) ESTIMATED DELTA CROSS SECTIONS FROM SMOOTH FITS TO DATA AND ESTIMATED DELTA E FROM SHARP PEAKS	3-LI-NAT 4-BE-9 7-N -NAT	1.04-01 7.04-01 5.30-02 8.51-01 9.90-02 8.49-01	589 TOTAL 798 TOTAL 751 TOTAL

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	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
721 PRIVATE COMMUNICATION (1962) J.F.BARRY (AWHE) J. NUCLEAR ENERGY, PARTS A/B, 16, 467 (1962)	28-NI-58	1.62+00 1.48+01	13 N,P
722 AEC-TR-4680 (1960) V.A.TOLSTIKOV, YU.YA.STAVISSKII (USSR)	42-MO-100	3.00-02 2.10+00	17 N,G
723 ANN. PHYS. 8, 250 (1959) P.F.NICHOLS, E.G.BILPUCH, H.W.NEWSON (DUKE U.) NEUTRON WAS 200 EV AT 20 KEV, VARYING UP TO 320 EV AT 100 KEV	83-BI-209 83-BI-209	1.00-02 1.36-01 1.20-02 1.34-01	369 TOTAL 29 RES.PARAM.
724 NUCLEAR PHYS. 30, 93 (1962) J.H.MONTAGUE, E.B.PAUL (AERE) RING SCATTERER WITH NaI(TL) CRYSTAL IN THE CENTER OF THE RING	26-FE-NAT	9.00-01 3.82+00	231 N,XG
725 J. NUCLEAR ENERGY, PARTS A/B, 14, 76 (1961) N.T.KASHUKEEV, YU.P.PDPOV, F.L.SHAPIO (USSR) SLOWING DOWN TIME SPECTROMETER. NORMALIZED TO THERMAL CAPTURE CROSS SECTION OF 31.6 BARNS. MEAN SQUARE SCATTER IN NEUTRON ENERGIES IS 15 PERCENT AT 1 KEV, RISING TO 35 PERCENT AT 10 KEV.	17-CL-NAT 17-CL-35	2.20-05 1.75-02 2.10-04 4.30-03	69 N,G 4 RES.PARAM.
726 ANN. PHYS. 10, 477 (1960) L.W.WESTON, K.K.SETH, E.G.BILPUCH, H.W.NEWSON (DUKE U.)	33-AS-75 42-MO-100 45-RH-103 46-PD-108 47-AG-107 47-AG-109 49-IN-115 53-I -127	3.00-03 4.00-01 4.00-03 1.00-01 3.50-03 2.90-01 3.00-03 7.00-01 3.00-03 2.50-01 3.00-03 2.00-01 5.00-03 2.50-01 4.90-03 1.80-01	16 N,G 9 N,G 15 N,G 12 N,G 23 N,G 16 N,G 9 N,G 14 N,G
727 ANN. PHYS. 10, 455 (1960) E.G.BILPUCH, L.W.WESTON, H.W.NEWSON (DUKE U.) BETA ACTIVATION. NORMALIZED TO VARIOUS VALUES. RESOLUTION VARIED FROM 1 KEV AT 3 KEV TO 10 KEV AT 100 KEV. BULL. AM. PHYS. SOC. 2, 218 (1957)	49-IN-115 78-PT-198 79-AU-127 92-U -238 92-U -238	3.00-02 2.00-01 1.50-03 3.00-01 1.50-03 2.00-01 3.00-03 2.20-01 3.00-02 2.00-01	2 AV.RES.PARAM. 14 N,G 13 N,G 17 N,G 2 AV.RES.PARAM.
728 ANN. PHYS. 14, 387 (1961) E.G.BILPUCH, K.K.SETH, C.D.BOWMAN, R.H.TABONY, R.C.SMITH, H.W.NEWSON (DUKE U.) BULL. AM. PHYS. SOC. 3, 164 (1958) NATURAL ELEMENT AND ENRICHED ISOTOPES. NATURAL PB AND RADIO-GENIC PB. AREA ANALYSIS.	20-CA-NAT 20-CA-40 20-CA-40 20-CA-44 20-CA-44 22-TI-NAT 22-TI-48 22-TI-48 24-CR-50 24-CR-52 24-CR-54 26-FE-54 26-FE-54 26-FE-56 26-FE-56 26-FE-57 28-NI-58 28-NI-58	1.30-02 1.00-01 0. 2.80-01 8.80-02 2.50-01 0. 2.80-01 2.20-02 2.47-01 5.00-03 2.95-01 0. 3.00-01 4.00-03 2.70-01 6.60-03 9.50-02 5.10-02 1.39-01 2.35-02 1.19-01 0. 1.60-01 7.25-03 1.47-01 0. 2.00-01 2.83-02 1.89-01 6.00-03 6.00-03 0. 2.30-01 -2.85-02 2.06-01	29 TOTAL 2 AV.RES.PARAM. 24 RES.PARAM. 2 AV.RES.PARAM. 20 RES.PARAM. 121 TOTAL 2 AV.RES.PARAM. 38 RES.PARAM. 20 RES.PARAM. 13 RES.PARAM. 12 RES.PARAM. 2 AV.RES.PARAM. 26 RES.PARAM. 2 AV.RES.PARAM. 36 RES.PARAM. 2 RES.PARAM. 2 AV.RES.PARAM. 35 RES.PARAM.

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

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	28-NI-60	0.	2.30-1	2	AV.RES.PARAM.
	28-NI-60	1.45-02	1.99-01	36	RES.PARAM.
	38-SR-NAT	1.00-02	2.17-01	406	TOTAL
	38-SR-NAT	1.32-01	1.32-01	1	RES.PARAM.
	38-SR-86	1.27-02	1.27-02	1	RES.PARAM.
	38-SR-88	0.	2.20-01	3	AV.RES.PARAM.
	38-SR-88	1.45-02	2.12-01	56	RES.PARAM.
	39-Y -89	2.50-03	1.33-02	9	RES.PARAM.
	52-TE-130	1.00-03	1.20-01	380	TOTAL
	52-TE-130	2.00-03	1.20-01	2	AV.RES.PARAM.
	52-TE-130	1.50-03	1.17-01	84	RES.PARAM.
	56-BA-NAT	6.5-03	2.00-01	453	TOTAL
	56-BA-136	8.00-03	6.00-03	3	RES.PARAM.
	56-BA-138	3.00-02	2.00-01	2	AV.RES.PARAM.
	56-BA-138	3.17-02	1.92-01	63	RES.PARAM.
	82-PB-NAT	1.16-01	1.47-01	3	RES.PARAM.
	82-PB-206	8.50-02	1.97-01	10	RES.PARAM.
	82-PB-207	0.	1.50-01	1	AV.RES.PARAM.
	82-PB-207	1.95-02	1.41-01	18	RES.PARAM.
	82-PB-208	8.00-02	1.18-01	10	RES.PARAM.
729	ANN. PHYS. 9, 194 (1959) E.MERZBACHER, P.W.CRUTCHFIELD,JR., H.W.NEWSON (DUKE) TRANSMISSION. 160 DEGREE SELECTOR	11-NA-23	1.60-03 6.00-02	47	TOTAL
		11-NA-23	5.30-02 5.30-02	2	RES.PARAM.
730	NUCLEAR INSTRUMENTS AND METHODS 13, 1 (1961) R.L.ZIMMERMAN, H.PALEVSKY, R.E.CHRISTEN, W.C.OLSEN, P.P.SINGH, C.H.WESTCOTT (CHALK RIVER)	33-AS-75	1.01-03 2.40-03	96	TOTAL
731	ATOMNAYA ENERGIYA 10, 150 (1961) YU.YA.STAVISSKII, V.A.TOLSTIKOV, V.N.KONONOV (USSR)	53-I -127	1.89-02 2.47+00	57	N,0
732	PHYS. REV. 121, 1150 (1961) R.H.WILENZICK, G.E.MITCHELL, K.K.SETH, H.W.LEWIS (DUKE) TRANSMISSION. TIME OF FLIGHT. NATURAL PB AND RADIOGENIC PB. ENERGY SPREAD VARIED FROM 3 KEV AT 200 KEV TO 7 KEV AT 900 KEV.	6-C -NAT	1.85-01 6.95-01	103	TOTAL
		20-CA-NAT	2.20-01 1.00+00	154	TOTAL
		20-CA-40	2.54-01 5.95-01	21	RES.PARAM.
		82-PB-NAT	3.04-01 7.56-01	153	TOTAL
		82-PB-208	3.52-01 7.18-01	7	RES.PARAM.
733	NUCLEAR PHYS. 23, 122 (1961) R.BASS, T.W.BONNER, H.P.HAENNI (RICE) ACTIVATION	4-8E-9	3.91+00 8.58+00	54	N,A
734	PHYS. REV. 121, 827 (1961) H.W.SCHMITT, J.HALPERIN (ORNL) ACTIVATION. NORMALIZED TO U238 (N,F) AT EACH ENERGY	13-AL-27	6.13+00 1.47+01	39	N,A
735	NUCLEAR PHYS. 29, 478 (1961) R.BASS, H.P.HAENNI, T.W.BONNER, F.GABBARD (RICE) KI(TL) CRYSTAL	19-K -39	1.45+00 8.66+00	407	N,P
		19-K -39	2.30+00 3.87+00	30	N,A
736	ANN. PHYS. 14, 365 (1961) H.W.NEWSON, E.G.BILPUCH, F.P.KARRIKER, L.W.WESTON, J.R.PATTERSON, C.D.BOWMAN (DUKE) TRANSMISSION. 160 DEGREE COLLIMATOR	9-F -19	1.50-03 1.25-01	108	TOTAL
		20-CA-NAT	1.10-02 1.05-01	102	TOTAL
		24-CR-NAT	4.50-03 1.60-01	59	TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

736

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
24-CR-50	2.00-03 1.05-01	54	TOTAL
24-CR-52	4.50-02 8.30-02	23	TOTAL
24-CR-54	2.00-03 1.39-01	38	TOTAL
26-FE-NAT	1.00-03 2.14-01	233	TOTAL
26-FE-54	5.00-03 9.20-02	57	TOTAL

737 ANN. PHYS. 14, 346 (1961) H.W. NEWSON, J.H. GIBBONS, H. MARSHAK, E.G. BILPUCH, R.H. ROHRER, P. CAPP (DUKE U.)
NATURAL ELEMENT AND ENRICHED ISOTOPES

37-RB-NAT	1.00-03 1.50-02	52	TOTAL
37-RB-85	2.50-03 1.34-02	47	TOTAL
37-RB-85	0. 7.00-03	2	AV. RES. PARAM.
38-SR-86	0. 2.24-01	1	AV. RES. PARAM.
38-SR-88	0. 2.24-01	2	AV. RES. PARAM.
39-Y -89	2.00-03 3.20-02	119	TOTAL
39-Y -89	0. 1.10-02	1	AV. RES. PARAM.
52-TE-130	0. 1.19-01	1	AV. RES. PARAM.
56-BA-138	0. 2.24-01	1	AV. RES. PARAM.
58-CE-140	0. 2.00-01	1	AV. RES. PARAM.
58-CE-142	0. 2.00-01	1	AV. RES. PARAM.
81-TL-NAT	3.80-03 5.81-02	77	TOTAL
81-TL-203	4.00-03 3.00-02	66	TOTAL
81-TL-203	2.70-04 2.90-02	10	RES. PARAM.
81-TL-205	3.30-03 5.71-02	86	TOTAL
81-TL-205	3.00-03 5.50-02	5	RES. PARAM.
82-PB-207	1.50-02 3.25-02	18	TOTAL

738 ATOMNAYA ENERGIYA 9, 401 (1960) YU. YA. STAVISSKII, V. A. TOLSTIKOV (USSR)

23-V -51	3.10-02 1.30+00	17	N, G
41-NB-97	4.00-02 1.25+00	17	N, G
74-W -186	3.00-02 1.40+00	13	N, G
81-TL-205	2.60-02 2.70+00	41	N, G

739 NUCLEAR PHYS. 21, 344 (1960) G. S. MANI, T. A. YOMBRELLO, D. A. RAO (RICE)
ACTIVATION. NORMALIZED TO AL27(NP). NORMALIZED VALUE NOT GIVEN

17-CL-NAT	1.75+01 2.22+01	7	N, N'
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740 ATOMNAYA ENERGIYA 9, 399 (1960) V. M. PANKRATOV, N. A. VLASOV, B. V. RYBAKOV (USSR)
TRANSLATED IN
SOVIET J. ATOMIC ENERGY 9, 936 (1961)
J. NUCLEAR ENERGY 16, 494 (1962)
TIME OF FLIGHT. GAS SCINTILLATION COUNTER. NORMALIZED AT 14 MEV

90-TH-232	7.50+00 2.15+01	28	N, FISS
92-U -235	1.06+01 2.13+01	16	N, FISS
92-U -238	6.80+00 2.03+01	33	N, FISS
93-NP-237	9.50+00 2.17+01	17	N, FISS

741 AUSTRALIAN J. PHYS. 12, 231 (1959) K. H. PURSER (CANBERRA)

3-Li-6	2.01+00 2.68+00	47	N, A
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742 NUCLEAR PHYS. 27, 448 (1961) E. A. DAVIS, F. GABBARD, T. W. BONNER, R. BASS (RICE)
INCLUDES GROUND STATE. GRID TYPE ION CHAMBER. ENRICHED ISOTOPE (B-10). RESOLUTIONS VARIED FROM 50 TO 200 KEV.

5-B -10	1.36+00 8.26+00	56	N, T
5-B -10	2.15-01 7.63+00	174	N, A
5-B -10	5.30-01 5.40+00	7	RES. PARAM.
9-F -19	7.67+00 7.67+00	1	N, P
9-F -19	2.89+00 8.20+00	68	N, A
9-F -19	3.85+00 7.00+00	10	RES. PARAM.

743 J. NUCLEAR ENERGY, PARTS A/B, 14, 180 (1961)

4-BE-9	1.40+01 1.40+01	1	NONELAS
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REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
743	A.V.COHN (ALDERMASTON) SPHERE TRANSMISSION. CORRECTED FOR MULTIPLE SCATTERER	4-BE-9 92-U -238	1.40+01 1.40+01 1.33+01 1.85+01	1 N,N' 7 NONELAS	
744	J. NUCLEAR ENERGY, PARTS A/B, 14, 85 (1961) B.ADAMS, R.BATCHELOR, T.S.GREEN (AWRE) IONIZATION CHAMBER. RELATIVE TO U238 SIGMA FISSION = 1.13 +- .02 BARNS AT 14 MEV	92-U -235 92-U -238 94-PU-239	1.32+01 1.94+01 1.27+01 1.94+01 1.34+01 1.94+01	13 N,FISS 14 N,FISS 13 N,FISS	
745	J. NUCLEAR ENERGY, PARTS A/B, 14, 69 (1961) J.L.PERKIN, R.F.COLEMAN (AWRE) COUNTED GAMMAS FOLLOWING DECAY U237. RELATIVE TO CU63 (N,2N) CROSS SECTION	90-TH-232 92-U -238 93-NP-237	1.41+01 1.41+01 1.45+01 1.45+01 1.45+01 1.45+01	1 N,2N 1 N,2N 1 N,2N	
746	PHYS. REV. 127, 2192 (1962) J.L.FOHLER, E.C.CAMPBELL (ORNL) ENRICHED ISOTOPES. ENERGY SPREAD OF ABOUT 3 KEV NEUTRON WIDTHS OBTAINED ASSUMING NEGLIGIBLE RADIATION WIDTH.	82-PB-NAT 82-PB-208 82-PB-208	1.20+00 3.20+00 7.18-01 1.89+00 7.23-01 1.87+00	31 ELASTIC D(A) 515 TOTAL 95 RES.PARAH.	
747	ANN. PHYS. 17, 319 (1962) C.D.BOWMAN, E.G.BILPUCH, H.W.NEWMAN (DUKE) TRANSMISSION, 20 DEGREE COLLIMATOR. SEE ALSO REFERENCE 1048. WE HAVE TAKEN THE NON S HAVE LEVELS AS P WAVE. NEUTRON CAPTURE WAS CONSIDERED NEGLIGIBLE IN THE RESONANCE ANALYSIS. ENRICHED ISOTOPES. NEUTRON ENERGY SPREAD VARIED FROM ABOUT 800-1200 EV.	20-CA-NAT 20-CA-40 22-TI-46 22-TI-46 22-TI-46 22-TI-48 22-TI-48 22-TI-50 22-TI-50 24-CR-52 26-FE-54 26-FE-54 26-FE-56 26-FE-56	1.30-01 6.84-01 1.48-01 6.76-01 3.55-02 3.90-01 4.10-02 3.90-01 4.60-02 3.89-01 7.20-02 3.67-01 3.25-02 5.89-01 3.70-02 5.86-01 9.35-02 6.36-01 9.20-02 5.16-01 9.80-02 5.06-01 1.86-01 6.57-01 1.86-01 6.45-01	925 TOTAL 52 RES.PARAH. 652 TOTAL 116 RES.PARAH. 601 TOTAL 63 RES.PARAH. 608 TOTAL 48 RES.PARAH. 70 RES.PARAH. 490 TOTAL 56 RES.PARAH. 485 TOTAL 53 RES.PARAH.	
748	PRIVATE COMMUNICATION (1963) W.E.MEYERHOF PHYS. REV. 131, 1644 (1963) J.T.WELLS, A.B.TUCKER, W.E.MEYERHOF (STANFORD) CORRECTED FOR MULTIPLE SCATTERING TO FIRST ORDER	3-LI-NAT 26-FE-NAT 26-FE-NAT 40-ZR-NAT 56-BA-NAT 56-BA-NAT 58-CE-NAT 58-CE-NAT	3.08-01 7.68-01 7.72-01 9.34-01 7.50-01 9.82-01 1.54+00 1.99+00 1.20+00 1.78+00 1.23+00 1.68+00 1.20+00 1.78+00 1.28+00 2.18+00	166 ELASTIC D(A) 38 TOTAL 244 ELASTIC D(A) 38 ELASTIC D(A) 24 TOTAL 90 ELASTIC D(A) 24 TOTAL 530 ELASTIC D(A)	
749	NUCLEAR PHYS. 41, 316 (1963) J.CSIKAI, J.BACSO, A.DAROCZY (DEBRECEN) ATOMKI KOZLEMENYEK SUPPL. 5(3-4), 1 (1963) J.CSIKAI, P.BORNEMISZA-PAUSPERTL, I.HUNYADI INDIUM DATA ARE CALCULATED FROM MEASURED ISOMERIC RATIOS AND ASSUMED SIGMA(MS) = 0.805 B AT 0.024 MEV (PHYS.REV.107,504 (1957)MACKLIN) AND 0.090 B AT 3.1 MEV (NATURE 161,475(1948) COHEN)	45-RH-103 45-RH-103 45-RH-103 49-IN-115 49-IN-115	1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 2.40-02 3.10+00 2.40-02 3.10+00	1 N,G 1 N,G 1 N,A 2 N,G 2 N,G	
750	PRIVATE COMMUNICATION (1967) D.G.FOSTER,JR., O.W.GLASGOW (HANFORD) HW-73116 (1962)	1-H -1 1-H -2 3-LI-NAT	2.30+00 1.46+01 2.25+00 1.49+01 2.27+00 1.49+01	238 TOTAL 242 TOTAL 243 TOTAL	

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 750

REF BIBLIOGRAPHY

750 HA-77311 (1963)
 PHYS. REV. C. 3, 576 (1971)
 PHYS. REV. C. 3, 604 (1971)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3-L1-6	2.25+00 1.48+01	237	TOTAL
3-L1-7	2.26+00 1.49+01	236	TOTAL
4-BE-9	2.25+00 1.48+01	254	TOTAL
5-9 -NAT	2.26+00 1.49+01	243	TOTAL
6-C -NAT	2.26+00 1.48+01	244	TOTAL
7-N -NAT	2.26+00 1.50+01	241	TOTAL
8-O -NAT	2.25+00 1.48+01	243	TOTAL
9-F -19	2.25+00 1.49+01	244	TOTAL
11-NA-23	2.25+00 1.48+01	243	TOTAL
12-MG-NAT	2.25+00 1.49+01	246	TOTAL
13-AL-27	2.27+00 1.47+01	245	TOTAL
14-SI-NAT	2.25+00 1.49+01	243	TOTAL
15-P -31	2.26+00 1.49+01	244	TOTAL
16-S -NAT	2.25+00 1.48+01	244	TOTAL
17-CL-NAT	2.25+00 1.49+01	247	TOTAL
19-K -NAT	2.27+00 1.49+01	246	TOTAL
20-CA-NAT	2.26+00 1.48+01	244	TOTAL
20-CA-40	2.25+00 1.48+01	244	TOTAL
20-CA-42	2.24+00 1.48+01	235	TOTAL
20-CA-44	2.25+00 1.48+01	244	TOTAL
21-SC-45	2.26+00 1.48+01	244	TOTAL
22-TI-NAT	2.26+00 1.48+01	244	TOTAL
23-V -NAT	2.26+00 1.48+01	244	TOTAL
24-CR-NAT	2.26+00 1.48+01	244	TOTAL
24-CR-53	2.26+00 1.48+01	244	TOTAL
25-MN-55	2.26+00 1.48+01	244	TOTAL
26-Fe-NAT	2.25+00 1.46+01	246	TOTAL
27-CO-59	2.25+00 1.47+01	246	TOTAL
28-NI-NAT	2.25+00 1.46+01	246	TOTAL
28-CU-NAT	2.25+00 1.46+01	246	TOTAL
30-ZN-NAT	2.25+00 1.46+01	249	TOTAL
31-GA-NAT	2.25+00 1.46+01	249	TOTAL
32-GE-NAT	2.25+00 1.46+01	249	TOTAL
33-AS-75	2.25+00 1.48+01	249	TOTAL
34-SE-NAT	2.26+00 1.48+01	249	TOTAL
35-BR-NAT	2.26+00 1.48+01	249	TOTAL
36-K -NAT	2.25+00 1.47+01	249	TOTAL
36-5P-NAT	2.26+00 1.47+01	249	TOTAL
40-ZR-NAT	2.24+00 1.48+01	239	TOTAL
41-NB-53	2.25+00 1.48+01	234	TOTAL
42-MO-NAT	2.25+00 1.48+01	247	TOTAL
43-TC-99	2.25+00 1.48+01	237	TOTAL
44-RU-NAT	2.27+00 1.48+01	242	TOTAL
45-PD-103	2.26+00 1.48+01	242	TOTAL
46-PO-NAT	2.25+00 1.48+01	245	TOTAL
47-AG-NAT	2.24+00 1.48+01	245	TOTAL
48-CD-NAT	2.25+00 1.48+01	244	TOTAL
49-IN-NAT	2.25+00 1.49+01	244	TOTAL
50-SR-NAT	2.27+00 1.47+01	241	TOTAL
51-SB-NAT	2.27+00 1.47+01	242	TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-113 ***

REF. NO. = 750

REF BIBLIOGRAPHY

750

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
52-TE-NAT	2.25+00 1.50+01	248	TOTAL
53-I -127	2.26+00 1.49+01	243	TOTAL
55-CS-133	2.26+00 1.49+01	243	TOTAL
56-BA-NAT	2.25+00 1.48+01	253	TOTAL
57-LA-139	2.25+00 1.48+01	254	TOTAL
58-CE-NAT	2.26+00 1.48+01	254	TOTAL
59-PR-141	2.33+00 1.48+01	246	TOTAL
60-ND-NAT	2.35+00 1.49+01	244	TOTAL
61-PH-147	2.49+00 1.48+01	229	TOTAL
62-SM-NAT	2.22+00 1.48+01	254	TOTAL
63-EU-NAT	2.26+00 1.48+01	241	TOTAL
64-GD-NAT	2.25+00 1.49+01	256	TOTAL
65-TB-159	2.26+00 1.48+01	252	TOTAL
66-DY-NAT	2.29+00 1.48+01	249	TOTAL
67-HO-165	2.42+00 1.49+01	233	TOTAL
68-ER-NAT	2.25+00 1.49+01	234	TOTAL
69-TM-169	2.31+00 1.48+01	235	TOTAL
70-YB-NAT	2.48+00 1.47+01	231	TOTAL
71-LU-NAT	2.29+00 1.48+01	232	TOTAL
72-WF-NAT	2.25+00 1.49+01	253	TOTAL
73-TA-NAT	2.26+00 1.49+01	243	TOTAL
74-W -NAT	2.25+00 1.48+01	246	TOTAL
74-W -182	2.27+00 1.49+01	252	TOTAL
74-W -184	2.25+00 1.48+01	246	TOTAL
74-W -186	2.27+00 1.48+01	248	TOTAL
75-RE-NAT	2.26+00 1.49+01	245	TOTAL
76-OS-NAT	2.25+00 1.48+01	243	TOTAL
77-IR-NAT	2.25+00 1.47+01	243	TOTAL
78-PT-NAT	2.33+00 1.47+01	272	TOTAL
79-AU-197	2.25+00 1.48+01	251	TOTAL
80-HG-NAT	2.25+00 1.48+01	243	TOTAL
81-TL-NAT	2.25+00 1.49+01	243	TOTAL
82-PB-NAT	2.49+00 1.49+01	231	TOTAL
82-PB-206	2.25+00 1.49+01	502	TOTAL
82-PB-208	2.49+00 1.49+01	231	TOTAL
83-BI-209	2.37+00 1.49+01	236	TOTAL
90-TH-232	2.26+00 1.48+01	242	TOTAL
92-U -NAT	2.25+00 1.49+01	244	TOTAL
92-U -233	2.25+00 1.49+01	244	TOTAL
92-U -235	2.25+00 1.49+01	486	TOTAL
92-U -238	2.25+00 1.49+01	486	TOTAL
94-PU-239	2.25+00 1.49+01	243	TOTAL

751 PRIVATE COMMUNICATION (1963) E.G.BILPUCH
SEE ALSO REFERENCE 1048. DATA UNDER YEAR OF 66 WAS OBTAINED
FROM NNCS

20-CA-42	8.00-02 6.50-01	1137	TOTAL
20-CA-44	8.00-02 6.50-01	1140	TOTAL
24-CR-50	8.00-02 6.20-01	1076	TOTAL
24-CR-50	5.00-02 7.95-02	60	TOTAL
24-CR-54	1.00-01 5.99-01	992	TOTAL
28-NI-58	9.00-02 6.51-01	1119	TOTAL
28-NI-60	8.10-02 6.53-01	1191	TOTAL
28-NI-62	8.00-02 6.56-01	1209	TOTAL
28-NI-62	3.00-02 1.90-02	50	TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
756	40-ZR-94 40-ZR-96 41-NB-93 41-NB-93 41-NB-93 41-NB-93 42-MO-92 42-MO-92 42-MO-92 42-MO-94 42-MO-96 42-MO-98 55-CS-133 58-PR-141 65-TB-159	1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01	1 N.A 1 N.A 1 N.2N 1 N.N'A 1 N.O 3 N.A 1 N.2N 1 N.P 1 N.A 1 N.P 1 N.P 1 N.P 1 N.A 1 N.O 1 N.P
757 PHYS. REV. 125, 297 (1962) E.T.BRAMLITT, R.W.FINK, D.G.GARDNER, A.O.POULARIKAS (U. OF ARKANSAS)	29-CU-65	1.45+01 1.45+01	1 N.N'A
758 J. NUCLEAR ENERGY, PARTS A/B, 17, 349 (1963) J.L.PERKIN (AMRE) ACTIVATION	21-SC-45	1.50+01 1.46+01	7 N.O
759 UCRL-6690 (1961) J.A.MISKEL, K.V.MARSH, M.LINDNER, R.J.NAGLE (LRL LIVERMORE) PHYS. REV. 128, 2717 (1962) ACTIVATION	72-HF-180 73-TA-181 74-W-186 79-AU-197 90-TH-232	3.00+02 3.97+00 3.00+02 3.97+00 3.00+02 3.97+00 3.00+02 3.97+00 3.00+02 3.97+00	15 N.O 26 N.O 26 N.O 26 N.O 26 N.O
760 STANFORD UNIVERSITY THESIS (1963) K.K.HARRIS (STANFORD U.) ACTIVATION. AU-197 DATA RENORMALIZED VIA PVT.COMM.(1970) C.A.GRENCH AND L.F.CHASE, JR. (LOCKHEED)	79-AU-197	1.31+02 6.91+01	15 N.O
761 UCRL-7192 (1963) R.W.BAUER, J.D.ANDERSON, L.J.CHRISTENSEN (LRL LIVERMORE) NUCLEAR PHYS. 47, 24 (1963) RING GEOMETRY, LIQUID TARGETS, CORRECTION FOR ABSORPTION AND MULTIPLE SCATTERING. CROSS SECTION OBTAINED BY INTEGRATED ANGULAR DISTRIBUTION	7-N -NAT 7-N -NAT 7-N -14 8-O -NAT 8-O -NAT 8-O -16	1.41+01 1.41+01 1.40+01 1.40+01 1.40+01 1.40+01 1.41+01 1.41+01 1.40+01 1.40+01 1.40+01 1.40+01	1 ELASTIC 21 ELASTIC D(A) 22 N.N' D(A) 1 ELASTIC 20 ELASTIC D(A) 48 N.N' D(A)
762 AE-115 (1963) J.KONIJN, A.LAUBER (SWEDEN) SOLID STATE DETECTOR FOR CHARGED PARTICLES NUCLEAR PHYS. 48, 191 (1963)	14-SI-29 28-NI-50	2.44+00 3.77+00 2.24+00 3.77+00	46 N.A 36 N.P
763 NUCLEAR PHYS. 129, 305 (1969) M.HOLMBERG, J.HANSEN (SWEDEN) LARGE LIQUID SCINTILLATOR IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/18 (1966)	4-BE-9	2.00+00 6.40+00	27 N.2N
764 PHYS. REV. 147, 876 (1966) J.L.FOWLER (ORNL) DIFFERENTIAL ELASTIC SCATTERING MEASUREMENT. SPIN VALUES DETERMINED FROM PEAK HEIGHT OF THE CROSS SECTION. CORRECTED FOR MULTIPLE SCATTERING. ENRICHED ISOTOPES. ENERGY SPREAD	82-PB-208 82-PB-208	7.15+01 1.76+00 7.23+01 1.76+00	304 ELASTIC D(A) 84 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
764	ABOUT 3 KEV. NEUTRON WIDTHS OBTAINED ASSUMING NEGLIGIBLE RADIATION WIDTH. ORNL-3425 P.49 (1963) ORNL-3582 P.B6 (1964) ORNL-3778 (1965)				
765	PHYS. REV. 130, 1926 (1963) R.T.WAGNER, E.R.SHUNK, R.B.DAY (LASL)	40-ZR-90	2.30+00 5.00+00	28	N,N'
766	PHYS. REV. 132, 1211 (1963) G.H.HAAS, P.L.OKHUYSEN, JR. (L.S.U.)	29-CU-NAT 82-PB-NAT 82-PB-NAT 83-BI-209	1.39+01 1.39+01 1.39+01 1.39+01 1.39+01 1.39+01 1.39+01 1.39+01	1 1 1 1	NONELAS TOTAL NONELAS NONELAS
767	PHYS. REV. 132, 378 (1963) L.D.SINGLETERY, E.N.STRAIT, S.H.AHN (NORTHWESTERN U.)	28-NI-NAT	1.50+01 1.50+01	1	N,P
768	PHYS. REV. 130, 2022 (1963) J.W.MEADOWS, J.F.WHALEN (ANL) REL. TO U-235 FISSION. ISOMETRIC RATIOS ALSO GIVEN	28-NI-58 28-NI-58	1.04+00 2.67+00 1.04+00 2.67+00	11 11	N,P N,P C/S RATIO
769	AD-277613 (1962) R.A.KARAM, T.F.PARKINSON, F.J.MUNNO, E.E.MENGE (UNIV. FLORIDA) ACTIVATION. NORMALIZED TO AU197(N,2N) AU196(5.3 DAY) VALUE OF 1.722 BARNS	75-RE-185 75-RE-187	1.41+01 1.41+01 1.41+01 1.41+01	1 1	N,2N N,2N
770	ADMC-RR-TR-62-1 (1962) D.R.KOEHLER, W.L.ALFORD (ARGMA) BULL. AM. PHYS. SOC. 4, 405 (1959) BULL. AM. PHYS. SOC. 5, 443 (1960) PHYS. REV. 119, 311 (1960) PHYS. REV. 123, 1365 (1961) W.L.ALFORD, D.R.KOEHLER, C.E.MANDEVILLE ZN64(N,2N) CROSS SECTION DATA ALSO PRESENTED IN REFERENCE 601	29-CU-63 30-ZN-64 35-SR-79 40-ZR-90 41-NB-93 41-NB-93 47-AG-107 51-SB-121 59-PR-141	1.23+01 1.81+01 1.27+01 1.81+01 1.22+01 1.81+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.22+01 1.81+01 1.22+01 1.82+01 1.22+01 1.81+01	4 11 8 1 1 1 7 8 8	N,2N N,2N N,2N N,P N,2N N,A N,2N N,2N N,2N
771	AERE-NP/R-1996 (1956) C.A.UTTLEY, J.A.PHILLIPS (AERE HARWELL) BACK TO FISSION CHAMBER. NORMALIZED TO U238(N,F) AT 14.1 MEV OF 1.14 BARNS MEASURED IN THIS EXPERIMENT	90-TH-232 92-U-233 92-U-235 82-U-238 94-PU-239	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 1 1 1 1	N,FISS N,FISS N,FISS N,FISS N,FISS
772	COMPT. RENO. 255, 277 (1962) A.PERRIN, G.SURGET, C.THIBAUT, F.VERRIERE (FRANCE) TIME-OF-FLIGHT. TRANSMISSION	4-BE-9	1.87-01 2.12-01	11	TOTAL
773	ATOMNAYA ENERGIYA 14, 400 (1963) N.P.GLAZKOV (USSR) SPHERE TRANSMISSION AND PROP. COUNTER	26-FE-NAT 41-NB-93 41-NB-93 42-MO-NAT 48-CO-NAT 51-SB-NAT 51-SB-NAT	1.00+00 1.20+00 4.00-01 1.20+00 8.00-01 1.20+00 4.00-01 1.00+00 4.00-01 1.00+00 4.00-01 1.00+00 4.00-01 1.00+00	2 5 5 4 4 4 4	N,N' N,N' N,N' N,N' N,N' N,N' N,N'

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

773

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
74-W -NAT	4.00-01 1.00+00	4	N,N'
80-HG-NAT	4.00-01 1.00+00	4	N,N'
80-HG-NAT	4.00-01 1.00+00	6	N,N'
90-TH-232	4.00-01 1.00+00	4	N,N'
90-TH-232	4.00-01 1.00+00	10	N,N'
92-U -NAT	4.00-01 1.00+00	4	N,N'
92-U -NAT	4.00-01 1.00+00	13	N,N'

774 J. INORG. NUCLEAR CHEM. 25, 627 (1963) D.C.STUPEGIA,
A.B.SMITH, K.HAMM (ANL)
ACTIVATION

90-TH-232	1.91-01 1.17+00	22	N,0
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775 PHYS. REV. 75, 1366 (1949) L.D.P.KING, L.GOLDSTEIN (LASL)
TRANSMISSION, REACTOR BEAM AVERAGE ENERGY VARIED WITH
GRAPHITE BLOCKS

2-HE-3	1.40-09 3.18-08	7	TOTAL
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776 PHYS. REV. 133, 925 (1964) J.ALS-NIELSEN,
O.W.DIETRICH (DENMARK AERE)
CRYSTAL SPECTROMETER

2-HE-3	3.02-10 1.10-05	22	TOTAL
2-HE-3	2.53-08 2.53-08	1	ABSORP
5-B -NAT	2.53-08 2.53-08	1	ABSORP
B203	5.31-09 1.00-07	5	TOTAL
73-AU-197	3.02-10 1.10-05	18	TOTAL
79-AU-197	2.53-08 2.53-08	1	ABSORP

777 J. PHYS. RADIUM 24, 21 (1963) R.GENIN, H.BEIL, C.SIGNARBEUX,
P.CARLOS, R.JOLY, M.RIBRAG (C.E.N., SACLAY)
CRYSTAL SPECTROMETER
COMPT. REND. 251, 691 (1960)

2-HE-NAT	2.10-09 2.51-08	24	TOTAL
2-HE-NAT	2.53-08 2.53-08	1	SCATTER
10-NE-NAT	4.00-09 2.50-08	22	TOTAL
10-NE-NAT	2.53-08 2.53-08	1	SCATTER
18-AR-NAT	2.00-09 2.50-08	24	TOTAL
18-AR-NAT	2.53-08 2.53-08	1	SCATTER
18-AR-NAT	2.53-08 2.53-08	1	ABSORP
36-KR-NAT	3.10-09 2.51-08	23	TOTAL
54-XE-NAT	3.00-09 2.50-08	23	TOTAL
54-XE-NAT	2.53-08 2.53-08	1	SCATTER
54-XE-NAT	2.53-08 2.53-08	1	ABSORP

778 PRIVATE COMMUNICATION (1959) R.G.FLUHARTY (MTR)
VIA BNL SIGMA CENTER 1/65, FAST CHOPPER

020	5.55-06 1.98-03	96	TOTAL
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779 PRIVATE COMMUNICATION (1961) T.SPRINGER (T.H.MUNICH)
VIA BNL SIGMA CENTER 1/65
NUKLEONIK 3, 110 (1961)

H20	1.20-09 5.30-07	29	TOTAL
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780 Z. PHYSIK 163, 218 (1961) K.HEINLOTH (T.H.MUNICH)
TRANSMISSION USING ROTATING CYLINDER MONOCHROMATOR

H20	1.20-10 3.60-08	15	TOTAL
CBH6	1.90-10 3.60-08	8	TOTAL

781 PRIVATE COMMUNICATION (1963) M.V.HARLOW, JR., R.L.ROBINSON,
B.B.KINSEY (U. OF TEXAS)
VIA BNL SIGMA CENTER 1/65
ORNL-3582 (1964)

6-C -NAT	1.31+01 1.73+01	25	TOTAL
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782 NUCLEAR PHYS. 48, 169 (1963) E.A.DAVIS, T.W.BONNER,
D.M.WORLEY, JR., R.BASS (RICE)

6-C -12	7.88+00 8.64+00	13	N,A
B-0 -NAT	5.02+00 8.77+00	186	N,A

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
782 DATA BY PRIVATE COMMUNICATION TO BNL SIGMA CENTER (1/65) GRID TYPE ION CHAMBER				
783 NUCLEAR PHYS. 14, 295 (1959) H.E.HALL, T.W.BONNER (RICE) TRANSMISSION FOR TOTAL. RING SCATTERER FOR INELASTIC. INELASTIC VALUES ARE 4P1 TIMES SIGMA (90 DEGREE)	6-C -12 7-N -NAT 7-N -NAT 8-O -NAT	4.83+00 9.77+00 4.70+00 8.10+00 7.30+00 7.30+00 6.40+00 9.95+00	119 N,XG 170 N,XG 2 N,XG 125 N,XG	D(A) D(A) D(A) D(A)
784 PRIVATE COMMUNICATION (1954) C.T.HIBDON, A.S.LANGSDORF, JR. (ANL) VIA BNL SIGMA CENTER 1/65. NO INFORMATION ON METHOD	6-C -NAT	1.70-04 1.60-01	109 TOTAL	
785 PRIVATE COMMUNICATION (1952) R.L.HENKEL (LASL) VIA BNL SIGMA CENTER 1/65. TRANSMISSION	6-C -NAT	3.61+00 7.30+00	126 TOTAL	
786 EANDC(E)-570 PAGE 21 (1985) W.TRIFTSCHAUER, P.FEISENFELD (MUNICH) FILTERED REACTOR SPECTRUM WITH AVERAGE WAVE LENGTH .09 ANGSTROMS	1-H -1 1-H -1 6-C -NAT	6.11-05 6.11-05 3.39-05 3.39-05 3.39-05 6.11-05	1 SCATTER 1 FREE 2 SCATTER	
787 PRIVATE COMMUNICATION (1962) B.H.ARMITAGE, J.M.FREEMAN, F.MANERO, J.H.MONTAGUE (HARWELL) VIA BNL SIGMA CENTER 1/65. TRANSMISSION NUCLEAR PHYS. 59, 583 (1964) NRDC-139 PAGE 16 (1963)	6-C -NAT 20-CA-NAT 26-FE-NAT	7.04+00 1.43+01 8.52+00 1.42+01 8.32+00 1.42+01	95 TOTAL 61 TOTAL 62 TOTAL	
788 PRIVATE COMMUNICATION (1954) C.T.HIBDON (ANL) VIA BNL SIGMA CENTER SEE ALSO REFERENCE 6	26-FE-NAT 40-ZR-NAT 92-U -235	1.27-01 1.34-01 8.50-04 9.60-03 6.55-04 1.55-01	32 TOTAL 22 TOTAL 134 TOTAL	
789 NUCLEAR PHYS. 22, 640 (1960) P.H.BOWEN, J.P.SCANLON, G.H.STAFFORD, J.J.THRESHER (AERE HARWELL) TRANSMISSION WITH TIME OF FLIGHT	1-H -1 6-C -NAT 13-AL-27 29-CU-NAT 48-CD-NAT 82-PB-NAT 92-U -NAT	1.58+01 1.15+02 1.58+01 1.17+02 1.58+01 1.17+02 1.58+01 1.17+02 1.58+01 1.17+02 1.58+01 1.17+02 1.58+01 1.17+02	59 TOTAL 60 TOTAL 60 TOTAL 60 TOTAL 60 TOTAL 60 TOTAL 60 TOTAL	
790 A/CONF. 2, 3 (1955) M.V.PASECHNIK (USSR) SPHERE TRANSMISSION	6-C -NAT 11-NA-23 12-MG-NAT 13-AL-27 15-P -31 16-S -NAT 17-CL-NAT 20-CA-NAT 24-CR-NAT 26-FE-NAT 27-CO-59 28-NI-NAT 29-CU-NAT 30-ZN-NAT	1.40+01 1.40+01 2.50+00 4.10+00 2.50+00 1.40+01 2.50+00 1.40+01 2.50+00 2.50+00 2.50+00 2.50+00 2.50+00 4.10+00 2.50+00 2.50+00 2.50+00 2.50+00 2.50+00 1.40+01 2.50+00 2.50+00 2.50+00 1.40+01 2.50+00 1.40+01 2.50+00 1.40+01	1 NONELAS 2 NONELAS 3 NONELAS 4 NONELAS 1 NONELAS 1 NONELAS 2 NONELAS 1 NONELAS 1 NONELAS 4 NONELAS 1 NONELAS 3 NONELAS 4 NONELAS 4 NONELAS	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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790

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
34-SE-NAT	2.50+00 1.40+01	2	NONELAS
42-MO-NAT	2.50+00 2.50+00	1	NONELAS
47-AG-NAT	2.50+00 2.50+00	1	NONELAS
48-CD-NAT	2.50+00 1.40+01	4	NONELAS
50-SN-NAT	2.50+00 1.40+01	4	NONELAS
51-SB-NAT	2.50+00 1.40+01	4	NONELAS
52-TE-NAT	2.50+00 1.40+01	2	NONELAS
53-I -127	2.50+00 1.40+01	2	NONELAS
56-DA NAT	2.50+00 4.10+00	3	NONELAS
74-W -NAT	2.50+00 1.40+01	2	NONELAS
80-HG-NAT	2.50+00 4.10+00	3	NONELAS
82-PB-NAT	2.50+00 1.40+01	3	NONELAS
83-BI-209	2.50+00 1.40+01	4	NONELAS

791 PHYS. LETTERS 9, 339 (1964) H.B.WILLARD, J.K.BAIR,
C.M.JONES (ORNL)
TRANSMISSION OF DEUTERATED POLYETHYLENE

1-K -2 2.79+00 3.57+00 31 TOTAL

792 PRIVATE COMMUNICATION (1960) R.B.WALTON (GEN. ATOMICS)
VIA BNL SIGMA CENTER 1/65. TIME OF FLIGHT

H2O 1.31-03 1.83-05 107 TOTAL

793 PRIVATE COMMUNICATION (1964) O.D.SIMPSON (MTR)
VIA BNL SIGMA CENTER 1/65. FAST CHOPPER

H2O 4.22-07 1.71-03 47 TOTAL

794 PRIVATE COMMUNICATION (1953) V.W.MEYER (BNL)
VIA BNL SIGMA CENTER 1/65. SLOW CHOPPER

D2O 3.49-10 4.56-08 36 TOTAL

795 PRIVATE COMMUNICATION (1953) R.L.ZIMMERMAN, D.I.COOPER (MIT)
VIA BNL SIGMA CENTER 1/65
PHYS. REV. 90, 339 (1953)
PROP. COUNTER IN SCATTERING

1-H -2 1.00-01 1.32+00 4 TOTAL

796 PHYS. REV. 135, 99 (1964) R.E.SHAMU,
J.G.JENKIN (AUSTRALIAN NAT. UNIV. CANBERRA)
PHYS. LETTERS 4, 286 (1963)
GOOD GEOMETRY. TRANSMISSION FOR TOTAL CROSS SECTION, OBSERVED
RECOIL ALPHAS IN GAS SCINTILLATION FOR ANG. DIST., NORMALIZED
ANG. DIST. TO OWN TRANS. MEASUREMENTS. OBSERVED
DISINTEGRATION PRODUCTS FOR N,D

2-HE-NAT 2.00+01 2.90+01 26 TOTAL
2-HE-NAT 2.20+01 2.23+01 9 N,D
2-HE-NAT 1.64+01 2.37+01 368 ELASTIC D(A)

797 PHYS. REV. C, 3, 1856 (1971) M.S.MOORE, G.A.KEYWORTH (LASL)
PHYSICS-8 BOMB SOURCE, FISSION MEASUREMENTS RELATIVE TO U235,
SINGLE LEVEL ANALYSIS EXCEPT FOR CM245 WHICH REQUIRED A
MULTILEVEL TREATMENT. GAMMA-GAMMA TAKEN AS 0.037 EV IN CM244,
CM246, CM248, AND AS 0.040 EV IN CM245, CM247. BEST RESOLUTION
SLIGHTLY LESS THAN 1 NSEC/M. SEE ALSO
REFERENCE 0062, FOR CROSS SECTIONS.
LA-DC-12230 (1971)
NUCLEAR DATA FOR REACTORS. HELSINKI, I, 527 (1970) M.S.MOORE,
W.K.BROWN, M.E.ENNIS, R.R.FULLWOOD, G.A.KEYWORTH,
J.H.M.NALLY, F.B.SIMPSON, J.R.BERRETH, R.D.BAYBARZ,
M.C.THOMPSON

96-CM-244	2.00-05 9.72-04	4	AV.RES.PARAM.
96-CM-244	2.28-05 9.71-04	119	RES.PARAM.
96-CM-245	2.10-05 6.00-05	3	AV.RES.PARAM.
96-CM-245	2.13-05 5.99-05	52	RES.PARAM.
96-CM-246	8.40-05 3.81-04	4	AV.RES.PARAM.
96-CM-246	8.44-05 3.81-04	17	RES.PARAM.
96-CM-247	2.10-05 6.00-05	3	AV.RES.PARAM.
96-CM-247	2.13-05 5.96-05	58	RES.PARAM.
96-CM-248	2.60-05 4.15-04	2	AV.RES.PARAM.
96-CM-248	2.68-05 4.15-04	9	RES.PARAM.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
798 PRIVATE COMMUNICATION (1952) P.A.EGELSTAFF (HARWELL) VIA BNL SIGMA CENTER 1/65. NO METHOD GIVEN	6-C -NAT	4.27-06 5.90-04	49	TOTAL
799 NUCLEAR PHYS. 43, 353 (1963) R.L.MACKLIN, J.H.GIBBONS, T.INADA (ORNL.)	9-F -19	1.17-02 3.90-02	12	N,P
	3-F -19	1.55-02 2.70-02	2	RES.PARAM.
	16-S -32	1.65-02 4.59-02	9	N,P
	39-Y -89	1.10-02 6.50-02	16	N,P
	42-MO-NAT	3.00-02 3.00-02	1	N,P
	43-CD-NAT	3.00-02 3.00-02	1	N,P
	50-SN-NAT	3.00-02 3.00-02	1	N,P
	73-TA-NAT	3.00-02 3.00-02	1	N,P
	74-W -NAT	3.00-02 3.00-02	1	N,P
	78-PT-NAT	3.00-02 3.00-02	1	N,P
	79-AU-197	3.00-02 3.00-02	1	N,P
800 NUCLEAR PHYS. 48, 83 (1963) B.MAINSBRIDGE, T.W.BONNER, T.A.RABSON (RICE)	14-SI-28	5.06+00 8.42+00	254	N,P
	14-SI-28	5.42+00 8.42+00	312	N,A
	14-SI-29	4.75+00 8.47+00	123	N,A
801 HELV. PHYS. ACTA 24, 517 (1951) W.BOLLMANN, W.ZUNTI (ZURICH ETH)	7-N -14	2.01+00 3.67+00	28	N,P
	7-N -14	1.96+00 3.67+00	36	N,A
802 PRIVATE COMMUNICATION (1963) R.H.ROHRER VIA BNL SIGMA CENTER 1/65. TRANSMISSION, N.ALPHA OBTAINED BY SUBTRACTION OF 2.43 BARNS FOR ELASTIC SCATTERING	5-B -10	3.00-03 6.21-02	41	TOTAL
	5-B -10	6.00-03 6.60-02	28	N,A
803 PROC. PHYS. SOC. (LONDON) 65, 992 (1952) E.R.HODGSON, J.F.GALLAGHER, E.M.BOWEY (HARWELL)	4-BE-9	1.50-06 3.65-03	28	TOTAL
	11-NA-23	1.27-06 1.60-02	83	TOTAL
	42-MO-NAT	1.40-06 1.20-02	80	TOTAL
	80-MO-NAT	3.90-06 6.50-03	84	TOTAL
	80-MO-198	2.33-05 2.33-05	1	RES.PARAM.
	80-MO-199	3.54-05 3.54-05	1	RES.PARAM.
804 EANDC(E)-451. PAGE 42 (1963) G.DECONINCK, M.DE VROEY, J.P.MEULDERS (UNIV. LOUVAIN)	11-NA-23	8.95-01 2.02+00	187	TOTAL
805 PHYS. REV. 119, 1291 (1960) G.J.SAFFORD, T.I.TAYLOR, B.M.RUSTAD, W.H.HAVENS, JR. (COLUMBIA)	5-B -NAT	4.60-09 1.01-07	10	TOTAL
	5-B -NAT	2.53-08 2.53-08	1	ABSORP
	5-B -10	4.60-09 1.01-07	10	TOTAL
	5-B -10	2.53-08 2.53-08	1	ABSORP
806 PHYS. REV. 129, 1276 (1962) F.GABBARD, B.D.KERN (UNIV. KENTUCKY)	12-MO-24	1.26+01 1.72+01	14	N,P
	13-AL-27	1.24+01 1.77+01	15	N,P
	13-AL-27	1.25+01 1.77+01	23	N,A
	15-P -31	1.30+01 1.66+01	8	N,A
	22-TI-48	1.27+01 1.70+01	14	N,P
	25-MN-55	1.24+01 1.77+01	13	N,A
	26-Fe-56	1.44+01 1.94+01	1	N,P
	27-CO-59	1.27+01 1.71+01	14	N,A
	30-ZN-64	1.24+01 1.75+01	17	N,P

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
807 PHYS. REV. 118, 533 (1960) R.O.LANE, J.E.MONAHAN (ANL) COUNTED ALL NEUTRONS AT 5 ANGLES, INTEGRATED, NORMALIZED TO CARBON TOTAL CROSS SECTIONS FROM BNL 325 (1955 ED.)	11-NA-23 11-NA-23	2.09-01 8.20-01 2.09-01 8.20-01	76 SCATTER 304 ELASTIC LEGEND.CDEF
808 DOKLADY AKAD. NAUK S.S.S.R. 136, 55 (1961) O.D.BRILL', N.A.VLASOV, S.P.KALININ, L.S.SOKOLOV (USSR) ACTIVATION	6-C -12 7-N -14 8-O -16 9-F -19	2.21+01 3.75+01 1.18+01 3.75+01 1.78+01 3.75+01 1.18+01 3.40+01	8 N,2N 12 N,2N 9 N,2N 11 N,2N
809 PHYS. REV. 92, 716 (1953) R.S.CARTER, H.PALEVSKY, V.W.MYERS, D.J.HUGHES (BNL) SLOW CHOPPER. TRANSMISSION CORRECTED FOR SCATTERING	5-B -NAT 5-B -NAT 79-AU-197 79-AU-197	6.62-10 2.93-08 2.53-08 2.53-08 1.2-09 3.92-08 2.53-08 2.53-08	60 TOTAL 1 ABSORP 70 TOTAL 1 ABSORP
810 PHYS. REV. 118, 514 (1960) C.T.HIBDON (ANL) VIA BNL SIGMA CENTER 1/65. TRANSMISSION. FLAT AND SELF DETECTION. ENERGY SPREAD ABOUT 350-400 EV. PRIVATE COMMUNI- CATION (1964)HIBDON	11-NA-23 11-NA-23	1.00-03 3.49-01 -3.00-02 3.46-01	712 TOTAL 260 RES.PARAM.
811 PHYS. REV. 122, 1P35 (1961) C.T.HIBDON (ANL) VIA BNL SIGMA CENTER 1/65. TRANSMISSION. FLAT AND SELF DETECTION. ENERGY SPREAD IS LESS THAN 1 KEV FOR SELF-DETEC- TION MEASUREMENTS. PRIVATE COMMUNICATION (1964)HIBDON.	11-NA-23 11-NA-23	3.50-01 6.29-01 3.52-01 6.26-01	424 TOTAL 213 RES.PARAM.
812 PHYS. REV. 124, 500 (1961) C.T.HIBDON (ANL) VIA BNL SIGMA CENTER 1/65. TRANSMISSION. BOTH FLAT AND SELF DETECTION. NO MULTIPLE SCATTERING CORRECTION MADE. PRIVATE COMMUNICATION (1964)HIBDON	11-NA-23	6.30-01 8.60-01	322 TOTAL
813 PRIVATE COMMUNICATION (1964) C.T.HIBDON (ANL) VIA BNL SIGMA CENTER 1/65. THIS WORK IS A RECHECK OF WORK PUBLISHED IN PHYS. REV. 114, 179 (1959)	13-AL-27	2.75-02 1.71-01	111 TOTAL
814 PRIVATE COMMUNICATION (1965) J.B.GARG, L.J.RAINWATER, J.S.PETERSEN, W.W.HAVENS, JR. (COLUMBIA) VIA BNL SIGMA CENTER PHYS. REV. 137, 547 (1965) PHYS. REV. 136, 177 (1964) PHYS. REV. 134, 985 (1964) FOR THE TH-232 AND U-238 RESULTS. TIME OF FLIGHT TECHNIQUE NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTHERP, P/95 (1965) FOR EACH MATERIALS THE TRANSMISSIONS CORRESPONDING TO SEVERAL THICKNESSES HERE SUPPLIED TO US BY NNCSC. HE SELECTED THE CROSS SECTION SUCH THAT THE CORRESPONDING TRANSMISSION WAS THAT OF THE THICKNESS SAMPLE HAVING A TRANSMISSION GREATER THAN 0.27 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTHERP, P/74 (1965) EANDC(US)-54L CR-1060 (1964) PHYS. REV. 166, 1234 (1966) S.WYNCHANK, J.B.GARG, W.W.HAVENS, JR., L.J.RAINWATER BNL-325 2ND ED. SUPPL.2 (1965)	9-F -19 11-NA-23 12-MG-NAT 13-AL-27 13-AL-27 16-S -NAT 16-S -32 17-CL-NAT 19-K -NAT 22-TI -NAT 23-V -NAT 23-V -50 23-V -51 25-MN-55 25-MN-55 25-MN-55 26-FE-NAT 27-CO-59	2.70-02 5.28-01 2.85-03 4.50-01 2.00-02 5.05-01 3.88-03 2.17-01 5.80-03 3.87-01 4.65-01 4.65-01 3.04-02 3.80-01 3.97-04 4.06-01 1.11-03 1.42-01 5.84-04 2.16-01 5.84-04 5.91-01 1.42-03 3.74-02 1.42-03 2.02-01 5.84-04 5.98-01 1.78-02 5.99-02 3.37-04 8.26-03 3.99-03 1.95-01 5.88-04 5.98-01	19 RES.PARAM. 31 RES.PARAM. 12 RES.PARAM. 1991 TOTAL 20 RES.PARAM. 1 RES.PARAM. 8 RES.PARAM. 53 RES.PARAM. 50 RES.PARAM. 3995 TOTAL 4841 TOTAL 3 RES.PARAM. 48 RES.PARAM. 3857 TOTAL 16 RES.PARAM. 10 RES.PARAM. 1971 TOTAL 5737 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

814 FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS.
ISOTOPIC ASSIGNMENTS FOR AG HAVE ALSO COME FROM REFERENCES
2387 AND 3050. ISOTOPIC ASSIGNMENTS FOR SB HAVE BEEN MADE
USING RESULTS OF REFERENCE 3044. BEST RESOLUTION IS 0.5
NSECM. SEE ALSO REF. 2079.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
27-CO-59	1.30-04 1.00-01	59	RES.PARAM.
27-CO-59	4.31-03 2.73-02	39	RES.PARAM.
29-CU-NAT	2.00-04 2.20-01	5402	TOTAL
29-CU-NAT	2.25-04 9.94-02	94	RES.PARAM.
29-CU-63	5.77-04 2.28-02	17	RES.PARAM.
29-CU-65	2.29-04 1.63-02	14	RES.PARAM.
30-ZN-NAT	2.00-04 5.44-01	5723	TOTAL
30-ZN-NAT	2.22-04 5.49-02	147	RES.PARAM.
30-ZN-64	2.81-04 1.52-02	6	RES.PARAM.
30-ZN-66	3.23-04 3.08-02	7	RES.PARAM.
30-ZN-67	2.22-04 2.24-03	4	RES.PARAM.
30-ZN-68	5.11-04 1.88-02	2	RES.PARAM.
33-AS-75	2.08-04 1.00-02	5641	TOTAL
33-AS-75	0. 1.00-02	2	AV.RES.PARAM.
33-AS-75	2.52-04 9.68-03	191	RES.PARAM.
35-BR-NAT	6.18-05 4.00-03	5873	TOTAL
35-BR-79	1.89-04 3.94-04	14	RES.PARAM.
35-BR-81	1.01-04 2.05-04	6	RES.PARAM.
41-NB-93	8.17-05 1.00-02	9874	TOTAL
41-NB-93	0. 6.40-03	8	AV.RES.PARAM.
41-NB-93	2.43-04 7.32-03	316	RES.PARAM.
42-MO-NAT	5.45-05 5.13-03	7947	TOTAL
42-MO-NAT	0. 1.00-03	2	AV.RES.PARAM.
42-MO-NAT	7.09-05 3.12-02	226	RES.PARAM.
42-MO-92	3.46-04 3.17-03	2	RES.PARAM.
42-MO-94	1.69-03 1.05-03	2	RES.PARAM.
42-MO-95	0. 1.41-03	1	AV.RES.PARAM.
42-MO-95	1.17-04 1.41-03	16	RES.PARAM.
42-MO-96	1.13-04 3.28-03	4	RES.PARAM.
42-MO-97	0. 1.26+03	1	AV.RES.PARAM.
42-MO-97	7.09-05 1.26-03	12	RES.PARAM.
42-MO-98	1.31-03 1.61-03	1	AV.RES.PARAM.
42-MO-98	4.29-04 3.29-03	8	RES.PARAM.
42-MO-100	0. 1.25-03	1	AV.RES.PARAM.
42-MO-100	9.73-05 1.25-03	4	RES.PARAM.
47-AG-NAT	8.10-05 1.18-03	3972	TOTAL
47-AG-NAT	0. 2.00-03	5	AV.RES.PARAM.
47-AG-NAT	1.73-04 5.54-04	3	RES.PARAM.
47-AG-107	1.63-05 1.17-03	59	RES.PARAM.
47-AG-109	5.20-06 1.23-03	67	RES.PARAM.
51-SB-NAT	8.17-05 1.36-03	5808	TOTAL
51-SB-NAT	0. 1.20-03	5	AV.RES.PARAM.
51-SB-NAT	1.54-05 2.99-03	325	RES.PARAM.
51-SB-121	1.54-05 6.30-04	52	RES.PARAM.
51-SB-123	2.14-05 6.27-04	28	RES.PARAM.
52-TE-NAT	0. 4.60-03	3	AV.RES.PARAM.
52-TE-NAT	2.41-05 4.86-03	169	RES.PARAM.
52-TE-122	7.27-05 4.55-04	3	RES.PARAM.
52-TE-123	2.41-05 3.63-04	11	RES.PARAM.
52-TE-124	5.42-04 5.42-04	1	RES.PARAM.
52-TE-125	2.63-05 5.17-04	9	RES.PARAM.
52-TE-126	2.60-04 2.00-04	1	RES.PARAM.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

814

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
53-I -127	0.16-05 4.08-03	6995	TOTAL
53-I -127	0. 3.00-03	6	AV.RES.PARAM.
53-I -127	1.53-04 4.00-03	294	RES.PARAM.
55-CS-133	2.15-04 1.36-03	5820	TOTAL
55-CS-133	0. 3.00-03	5	AV.RES.PARAM.
55-CS-133	1.26-04 3.50-03	158	RES.PARAM.
57-LA-139	7.24-05 3.69-02	102	RES.PARAM.
59-PR-141	0. 1.00-02	6	AV.RES.PARAM.
59-PR-141	8.52-05 1.00-02	146	RES.PARAM.
73-TA-181	3.00-05 1.39-03	331	RES.PARAM.
83-B1-209	2.00-04 5.98-01	3847	TOTAL
83-B1-209	8.0-04 1.51-01	47	RES.PARAM.
90-TH-232	0.22-05 3.95-03	9750	TOTAL
90-TH-232	0. 3.90-03	2	AV.RES.PARAM.
90-TH-232	1.12-04 4.00-03	238	RES.PARAM.
92-U -235	1.73-05 3.45-04	7405	TOTAL
92-U -235	1.80-05 3.00-04	269	RES.PARAM.
92-U -238	3.20-05 4.08-03	6728	TOTAL
92-U -238	0. 3.30-03	2	AV.RES.PARAM.
92-U -238	2.37-04 3.90-03	213	RES.PARAM.

915 REV. JIL INSTR. 28, 89 (1957) L.CRANBERG, R.K.BEAUCHAMP,
J.S.LEVIN (LASL)
TRANSMISSION. TIME OF FLIGHT. NO MULTIPLE SCATTERING
CORRECTION

13-AL-27 5.55-01 6.03-01 86 TOTAL

816 PHIL. MAG. 2, 628 (1957) J.M.FREEMAN (AERE HARWELL)
RING SCATTERER WITH NaI CRYSTAL

9-F -19 1.32+00 3.60+00 95 N,XO

817 PRIVATE COMMUNICATION (1957) E.W.BENNETT, P.L.OKHUYSEN, JR.,
J.B.ASHE, W.E.MILLETT (UNIV. TEXAS)
VIA BNL SIGMA CENTER 1/55
BULL. AM. PHYS. SOC. 2, 232 (1957)
METHOD NOT GIVEN

6-C -NAT	2.25+00 2.80+00	14	TOTAL
12-MG-NAT	2.25+00 2.75+00	14	TOTAL
19-K -NAT	2.25+00 2.75+00	13	TOTAL
23-V -NAT	2.25+00 2.74+00	14	TOTAL
24-CR-NAT	2.25+00 2.75+00	14	TOTAL
56-BA-NAT	2.30+00 2.74+00	13	TOTAL
82-PB-NAT	2.25+00 2.74+00	14	TOTAL

818 J. PHYS. SOC. JAPAN 14, 699 (1958) M.HOSOE,
S.SUZUKI (ST. PAULS UNIV. TOKYO)
RING SCATTERERS

6-C -NAT	2.85+00 3.00+00	56	ELASTIC D(A)
12-MG-NAT	2.95+00 2.95+00	1	N,XO D(A)
12-MG-24	2.95+00 2.95+00	11	N,XO D(A)
13-AL-27	2.95+00 2.95+00	3	N,XO D(A)
26-FE-56	2.90+00 2.95+00	11	N,XO D(A)
83-B1-209	2.95+00 2.95+00	2	N,XO D(A)

819 PRIVATE COMMUNICATION (1958) E.G.BILPUCH (DUKE)
VIA BNL SIGMA CENTER 1/65. TRANSMISSION

15-P -31 4.05-02 1.78-01 45 TOTAL

820 NUCLEAR PHYS. 43, 339 (1963) D.WINTERHALTER (ZAGREB)
NUCLEAR EMULSIONS

13-AL-27	2.76+00 2.76+00	1	ELASTIC
13-AL-27	2.76+00 2.76+00	2	N,N'
13-AL-27	2.76+00 2.76+00	4	ELASTIC D(A)
13-AL-27	2.76+00 2.76+00	8	N,N' D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
821 NUCLEAR PHYS. 51, 583 (1964) M.L.CHATTERJEE, B.SEN (SAHA INST. CALCUTTA) NUCLEAR EMULSIONS	6-C -12	1.45+00 1.45+00	1	N,A
822 Z. NATURFORSCHG. 15, 828 (1960) T.SPRINGER, W.WIEDEMANN (MUNICH) TRANSMISSION	10-NE-NAT 10-NE-NAT 18-AR-NAT 18-AR-NAT	3.00-10 2.90-09 2.53-08 2.53-08 3.70-10 2.30-09 2.53-08 2.53-08	13 1 11 1	TOTAL ABSORP TOTAL ABSORP
823 PRIVATE COMMUNICATION (1958) R.L.ZIMMERMAN (BNL) VIA BNL SIGMA CENTER 1/65. FAST CHOPPER	5-B -10 78-PT-195 78-PT-198	5.43-05 1.30-02 1.18-05 1.19-04 9.5-05 9.50-05	49 5 2	TOTAL RES.PARAM. RES.PARAM.
824 PRIVATE COMMUNICATION (1955) C.T.HIBDON (ANL) VIA BNL SIGMA CENTER 1/65. NO METHOD GIVEN	12-MG-NAT	3.85-03 2.08-02	21	TOTAL
825 J. NUCLEAR ENERGY B, 224 (1959) R.W.HOFF, E.K.MULET, M.C.MICHEL (LRL) IRRADIATION IN MTR. FROM ALPHA PARTICLE COUNTING, DETERMINED THE RATIO OF CM242/AM241. THE CROSS SECTION TO AM242 (162 YR) IS RELATIVE TO AN ABSORPTION CROSS SECTION FOR THIS FINAL STATE OF 8000 BARN	29-CU-65 95-AM-241 95-AM-241	2.14-02 2.14-02 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1	N,G N,G N,G SPECT.AV. SPECT.AV.
826 PRIVATE COMMUNICATION (1962) L.A.GALLOWAY, III (CASE INST.) VIA BNL SIGMA CENTER 1/65. TRANSMISSION	13-AL-27	1.85+00 6.88+00	5	TOTAL
827 PRIVATE COMMUNICATION (1964) E.O.BILPUCH (DUKE) VIA BNL SIGMA CENTER 1/65. METHOD NOT GIVEN	9-F -19	4.60-02 2.00-01	198	TOTAL
828 АТОМНАЯ ЭНЕРГИЯ 15, 416 (1953) N.P.OLAZKOV (USSR) SPHERE TRANSMISSION WITH KES SPECTROMETER TO SELECT NEUTRON ENERGY	3-LI-7 11-NA-23 13-AL-27 25-MN-55 26-FE-56 29-CU-62 41-NB-93 42-MO-NAT 48-CD-NAT 51-SB-NAT 51-SB-NAT 53-I -127 56-BA-NAT 73-TA-181	1.20+00 1.20+00 6.00-01 1.20+00 1.20+00 1.20+00 4.00-01 1.20+00 1.00+00 1.20+00 3.00-01 1.20+00 6.00-01 1.20+00 4.00-01 1.20+00 1.20+00 1.20+00 4.00-01 1.20+00 4.00-01 1.20+00 4.00-01 1.00+00 6.00-01 1.20+00 4.00-01 1.20+00	1 4 2 6 2 5 4 9 1 5 9 14 6 14	N,N' N,N' N,N' N,N' N,N' N,N' N,N' N,N' N,N' N,N' N,N' N,N' N,N' N,N'
829 J. EXPTL. THEORET. PHYS. (USSR) 36, 1046 (1959) V.L.GLAGOLEV, O.M.KOVRIZHNYKH, YU.V.MAKAROV, P.A.YAMPOL'SKII (USSR) NaI(TL) CRYSTAL	12-MG-NAT 13-AL-27 32-GE-NAT 33-AS-75 49-IN-NAT 82-PB-208 83-BI-209	1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01	1 1 1 1 1 1 1	N,P N,A N,K-CP N,N' N,2N N,2N N,2N

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

[illegible]

REF BIBLIOGRAPHY

836

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
73-TA-NAT	7.00+00 7.00+00	1	ELASTIC D(A)
74-W -NAT	7.00+00 7.00+00	1	N,N'
74-W -NAT	7.00+00 7.00+00	1	ELASTIC D(A)
79-AU-197	4.00+00 7.00+00	2	N,N'
79-AU-197	7.00+00 7.00+00	1	ELASTIC D(A)
81-TL-NAT	4.00+00 7.00+00	4	N,N'
81-TL-NAT	7.00+00 7.00+00	1	ELASTIC D(A)
82-PB-206	7.00+00 7.00+00	1	N,N'
RADIO LEAD	7.00+00 7.00+00	1	ELASTIC D(A)
83-BI-209	7.00+00 7.00+00	1	N,N'
83-BI-209	7.00+00 7.00+00	1	ELASTIC D(A)

837 PROC. PHYS. SOC. (LONDON) 75, 526 (1960) R.S.STOREY, W.JACK,
A.HARD (UNIV. GLASGOW)
MEASURED PROTON SPECTRA AND INTEGRATED

13-AL-27	1.41+01 1.41+01	1	N,P
26-FE-54	1.41+01 1.57+01	2	N,P
26-FE-56	1.41+01 1.41+01	1	N,P
27-CD-59	1.41+01 1.41+01	1	N,P
28-NI-59	1.41+01 1.57+01	2	N,P
28-NI-60	1.41+01 1.41+01	1	N,P
29-CU-63	1.41+01 1.41+01	1	N,P
29-CU-65	1.41+01 1.41+01	1	N,P
30-ZN-64	1.41+01 1.57+01	2	N,P

838 J. NUCLEAR ENERGY, PARTS A/B, 17, 137 (1963) F.BROWN,
R.H.JAMES, J.L.PERKIN, J.F.BARRY (AHRE)
ACTIVATION. COUNTED TRITON DECAY

3-LI-7	3.75+00 1.48+01	6	N,N'
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839 PHYS. REV. 132, 751 (1963) R.W.ZURMUHLE, W.E.STEPHENS (U.P.A.)
PLASTIC SCINTILLATOR SHIELDED FROM COSMIC RAYS. CROSS SECTION
DERIVED BY ASSUMING SINE-SQUARED DEPENDENCE AND DIFFERENTIAL
VALUE AT 90 DEGREES

2-ME-3	4.00+00 4.00+00	1	N,G
2-ME-3	4.00+00 4.00+00	1	N,XG D(A)

840 NUCLEAR PHYS. 37, 78 (1962) M.MILLMAN (BNL)
ACTIVATION. RELATIVE TO AL27(N,ALPHA) OF 115 MILLIBARNS

20-CA-48	1.45+01 1.45+01	1	N,2N
22-TI-47	1.45+01 1.45+01	1	N,P
22-TI-48	1.45+01 1.45+01	1	N,P
22-TI-50	1.45+01 1.45+01	1	N,A
23-V -51	1.45+01 1.45+01	1	N,A

841 NUCLEAR PHYS. 47, 385 (1963) R.BATCHELOR, J.H.TOWLE (AHRE)
TIME OF FLIGHT METHOD. CORRECTED FOR FLUX ATTENUATION AND
MULTIPLE SCATTERING. CROSS SECTION RELATIVE TO H(N,N).
PRELIMINARY RESULTS ON ELASTIC SCATTERING REPORTED IN
PHYS. LETTERS 2, 312 (1962)

3-LI-6	3.35+00 7.54+00	8	ELASTIC
3-LI-6	3.35+00 7.54+00	6	N,N'
3-LI-6	3.35+00 7.54+00	6	N,N'D
3-LI-6	3.35+00 7.54+00	41	ELASTIC D(A)
3-LI-6	3.35+00 7.54+00	43	N,N' D(A)
3-LI-6	4.00+00 7.54+00	33	N,N'D E1-E2,D(A)
3-LI-7	1.50+00 4.00+00	3	ELASTIC
3-LI-7	5.15+00 7.54+00	3	EMISS
3-LI-7	1.30+00 7.54+00	10	N,N'
3-LI-7	4.00+00 7.54+00	4	N,N'T
3-LI-7	1.50+00 7.54+00	52	ELASTIC D(A)
3-LI-7	1.50+00 7.54+00	24	N,N' D(A)
3-LI-7	5.15+00 7.54+00	23	N,N'T E1-E2,D(A)

842 J. NUCLEAR ENERGY, PARTS A/B, 17, 273 (1963) J.F.BARRY (AHRE)

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
842 ACTIVATION. ABSOLUTE BETA COUNTING	3-LI-7	1.48+01 1.48+01	1	N.D
843 NUCLEAR PHYS. 63, 438 (1965) M.BORMANN, E.FRETHURST, P.SCHEHKA, G.WREGE, H.BUTTNER, A.LINDNER, H.MELDNER (U. OF HAMBURG AND U. OF FRANKFORT) ACTIVATION EANDC(E)-49L PAGE 4 (1963) M.BORMANN, E.FRETHURST, G.WREGE	7-N -14	1.32+01 1.94+01	9	N,2N
	9-F -19	1.26+01 1.96+01	10	N,2N
	9-F -19	1.26+01 1.96+01	10	N,P
	13-AL-27	1.48+01 1.48+01	1	N,A
	19-K -39	1.41+01 1.88+01	7	N,2N
	25-MN-55	1.26+01 1.88+01	10	N,A
	26-FE-56	1.48+01 1.48+01	1	N,P
	30-ZN-66	1.32+01 1.32+01	1	N,P
	38-SR-88	1.26+01 1.96+01	10	N,2N
	4-BE-9	1.15-04 3.00-04	2	TOTAL
844 PHYS. REV. 76, 100 (1949) C.T.HIBDON, C.O.MUEHLHAUSE (ANL) TRANSMISSION	5-B -NAT	1.15-04 3.00-04	2	TOTAL
	6-C -NAT	1.15-04 3.00-04	2	TOTAL
	8-O -NAT	1.15-04 3.00-04	2	TOTAL
	9-F -19	1.15-04 3.00-04	2	TOTAL
	13-AL-27	1.15-04 3.00-04	2	TOTAL
	15-P -31	1.15-04 3.00-04	2	TOTAL
	16-S -NAT	1.15-04 3.00-04	2	TOTAL
	17-CL-NAT	3.00-04 3.00-04	1	TOTAL
	20-CA-NAT	1.15-04 3.00-04	2	TOTAL
	22-TI-NAT	1.15-04 3.00-04	2	TOTAL
	24-CR-NAT	1.15-04 3.00-04	2	TOTAL
	25-MN-55	1.15-04 3.00-04	2	TOTAL
	27-CO-59	1.15-04 3.00-04	2	TOTAL
	28-NI-NAT	1.15-04 3.00-04	2	TOTAL
	29-CU-NAT	1.15-04 3.00-04	2	TOTAL
	30-ZN-NAT	1.15-04 3.00-04	2	TOTAL
	33-AS-75	1.15-04 3.00-04	2	TOTAL
	34-SE-NAT	1.15-04 3.00-04	2	TOTAL
	35-BR-NAT	1.15-04 3.00-04	2	TOTAL
	47-AG-NAT	1.15-04 3.00-04	2	TOTAL
	48-CD-NAT	1.15-04 3.00-04	2	TOTAL
	49-IN-NAT	1.15-04 3.00-04	2	TOTAL
	50-SN-NAT	1.15-04 3.00-04	2	TOTAL
	51-SB-NAT	3.00-04 3.00-04	1	TOTAL
	52-TE-NAT	1.15-04 3.00-04	2	TOTAL
	53-I -127	1.15-04 3.00-04	2	TOTAL
	58-CE-NAT	1.15-04 3.00-04	2	TOTAL
	73-TA-NAT	1.15-04 3.00-04	2	TOTAL
	74-W -NAT	1.15-04 3.00-04	2	TOTAL
	79-AU-197	1.15-04 3.00-04	2	TOTAL
	80-HG-NAT	1.15-04 3.00-04	2	TOTAL
	81-TL-NAT	1.15-04 3.00-04	2	TOTAL
	82-PB-NAT	1.15-04 3.00-04	2	TOTAL
	83-BI-209	1.15-04 3.00-04	2	TOTAL
845 NUCLEAR PHYS. 53, 177 (1964) R.L.CLARK, W.G.CROSS (CHALK RIVER) TIME OF FLIGHT. THE ANGULAR DISTRIBUTION FOR $S_{32}(0^{\circ}-5^{\circ})$ MEV REFERS TO A BROAD UNRESOLVED PEAK BETWEEN 4 AND 6 MEV	5-C -NAT	1.41+01 1.41+01	1	ELASTIC
	6-C -NAT	1.41+01 1.41+01	1	NONELAS
	6-C -NAT	1.41+01 1.41+01	27	ELASTIC D(A)
	6-C -12	1.41+01 1.41+01	2	N,N'

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
845 EXCITATION ENERGY (CORRESPONDING TO SOME OR ALL OF THE KNOWN LEVELS AT 4.29, 4.47, 4.70 AND 5.01 MEV)	6-C -12	1.41+01 1.41+01	44	N,N' D(A)
	12-MG-NAT	1.41+01 1.41+01	1	ELASTIC
	12-MG-NAT	1.41+01 1.41+01	13	ELASTIC D(A)
	12-MG-24	1.41+01 1.41+01	1	N,N'
	12-MG-24	1.41+01 1.41+01	14	N,N' D(A)
	14-SI-NAT	1.41+01 1.41+01	1	ELASTIC
	14-SI-NAT	1.41+01 1.41+01	19	ELASTIC D(A)
	14-SI-28	1.41+01 1.41+01	1	NONELAS
	14-SI-28	1.41+01 1.41+01	1	N,N'
	14-SI-28	1.41+01 1.41+01	13	N,N' D(A)
	16-S -NAT	1.41+01 1.41+01	1	ELASTIC
	16-S -NAT	1.41+01 1.41+01	22	ELASTIC D(A)
	16-S -32	1.41+01 1.41+01	1	NONELAS
	16-S -32	1.41+01 1.41+01	1	N,N'
	16-S -32	1.41+01 1.41+01	1	N,N'
	16-S -32	1.41+01 1.49+01	32	N,N' D(A)
846 SOVIET PROGRESS IN NEUTRON PHYSICS, PAGE 224 (1961) V.I. POPOV (USSR)	13-AL-27	3.10+00 3.10+00	1	ELASTIC
	13-AL-27	3.10+00 3.10+00	10	ELASTIC D(A)
RUSSIAN TEXT PUBLISHED BY GOSATOMIZDAT, MOSCOW, 1961	14-SI-NAT	3.10+00 3.10+00	1	ELASTIC
TRANSLATION PUBLISHED BY CONSULTANTS BUREAU, NEW YORK, 1962	14-SI-NAT	3.10+00 3.10+00	10	ELASTIC D(A)
HYDROGEN RECOIL, INTEGRATED DIFFERENTIAL ELASTIC	19-K -NAT	3.10+00 3.10+00	1	ELASTIC
ANGULAR DISTRIBUTION FOR TH OBTAINED FROM BNL SIGMA CENTER	19-K -NAT	3.10+00 3.10+00	10	ELASTIC D(A)
	20-CA-NAT	3.10+00 3.10+00	1	ELASTIC
	90-TH-232	3.10+00 3.10+00	1	ELASTIC
	90-TH-232	3.10+00 3.10+00	10	ELASTIC D(A)
847 PHIL. MAG. 2, 765 (1957) G.BROWN, G.C.MORRISON, H.MUIRHEAD, W.T.MORTON (UNIV. GLASGOW)	13-AL-27	1.32+01 1.32+01	1	N,XP
NUCLEAR EMULSIONS	13-AL-27	1.32+01 1.32+01	41	N,XP E1-E2,D(A)
	26-FE-71AT	1.32+01 1.32+01	36	N,XP E1-E2,D(A)
	26-FE-56	1.32+01 1.32+01	1	N,XP
	45-RH-103	1.32+01 1.32+01	1	N,XP
	45-RH-103	1.32+01 1.32+01	27	N,XP E1-E2,D(A)
848 SOVIET PROGRESS IN NEUTRON PHYSICS, PAGE 216 (1961) G.N.LOVCHIKOVA, O.A.SAL'NIKOV (USSR)	11-NA-23	2.50+00 2.50+00	1	NONELAS
RUSSIAN TEXT PUBLISHED BY GOSATOMIZDAT, MOSCOW, 1961	38-SR-NAT	2.50+00 2.50+00	1	NONELAS
TRANSLATION PUBLISHED BY CONSULTANTS BUREAU, NEW YORK, 1962	42-MO-NAT	2.50+00 2.50+00	1	NONELAS
SPHERE TRANSMISSION	56-BA-NAT	2.50+00 2.50+00	1	NONELAS
849 NUOVO CIMENTO 17, 634 (1960) L.COLL1, I.IORI, M.G.MARCAZZAN, F.MERZARI, A.M.SONA, P.G.SONA (MILANO)	12-MG-24	1.40+01 1.40+01	1	N,P
COINCIDENCE TELESCOPE	16-S -32	1.40+01 1.40+01	1	N,P
850 SOVIET PROGRESS IN NEUTRON PHYSICS, PAGE 241 (1961) V.V.NEFEDOV, V.I.POPOV, YU.S.YAZVETSKII (USSR)	6-C -12	1.40+01 1.40+01	2	N,XO
RUSSIAN TEXT PUBLISHED BY GOSATOMIZDAT, MOSCOW, 1961	8-O -16	1.40+01 1.40+01	5	N,XO
TRANSLATION PUBLISHED BY CONSULTANTS BUREAU, NEW YORK, 1962	12-MG-NAT	1.40+01 1.40+01	5	N,N'
PAIR SPECTROMETER	13-AL-27	1.40+01 1.40+01	5	N,XO
	26-FE-NAT	1.40+01 1.40+01	3	N,N'
	29-CU-NAT	1.40+01 1.40+01	3	N,XO
851 REV. SCI. INSTR. 33, 49 (1962) V.P.DUGGAL,	4-GE-9	1.60+06 3.80+07	23	TOTAL
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

REF	BIBLIOGRAPHY	TARGET	EN.	RANGE (MEV)	PTS	DESCRIPTION
851	C.L. THAFER (TROMBAY INDIA) BE SINGLE CRYSTAL FILTER ON CRYSTAL SPECTROMETER					
852	NUCLEAR PHYS. 54, 49 (1964) T.R. DONOGHUE, A.F. BEHOF, S.E. DARDEN (UNIV. NOTRE DAME) N15 FILLED PROPORTIONAL COUNTER	7-N -15	4.73-01	1.99+00	47	ELASTIC
853	PROC. PHYS. SOC. (LONDON) 78, 912 (1961) N.C. BARFORD, R.B. PALMER, B. TALLINI (IMP. COLL. LONDON) HYDROGEN BUBBLE CHAMBER	1-H -1	5.00+01	5.00+01	1	N, O
854	GA-7581 (1966) J.L. RUSSELL, JR., J.M. NEILL, J.R. BROWN (GA) LINAC. TIME OF FLIGHT, TRANSMISSION	H2O H2O	3.5-09 2.50-08	1.39-05 2.50-08	133 1	TOTAL FREE
855	PRIVATE COMMUNICATION (1959) E.G. BILPUGH, L.W. WESTON, C.D. BOWMAN, H.W. NEWSON (DUKE) VIA BNL SIGMA CENTER 1/65 BULL. AM. PHYS. SOC. 4, 42 (1959) 160 DEGREE COLLIMATOR, ONE POINT AT 3 KEV ADDED IN FOR NITROGEN, AS QUOTED IN PHYS. REV. 115, 624 (1959) D.F. HEBBARD, D.N.F. DUNBAR G. FOSTER (LASL) ESTIMATED DELTA CROSS SECTIONS FROM SMOOTH FITS TO DATA AND ESTIMATED DELTA E FROM OTHER PUBLICATIONS ABOUT THE SAME APPARATUS	7-N -NAT 21-SC-45 27-CO-59	3.00-03 3.06-03 2.65-03	1.40-01 9.80-03 1.21-01	39 126 454	TOTAL TOTAL TOTAL
856	PRIVATE COMMUNICATION (1959) R.J. BELL, T.W. BONNER, F. GABBARD (RICE) VIA BNL SIGMA CENTER 1/65 BULL. AM. PHYS. SOC. 4, 97 (1959) NEON FILLED GRID TYPE ION CHAMBER	10-NE-20	4.36+00	7.28+00	63	N, A
857	J. EXPTL. THEORET. PHYS. (USSR) 40, 1610 (1981) YU.P. POPOV, F.L. SHAPIRO (USSR) SLOWING DOWN SPECTROMETER, NORMALIZED TO THERMAL N,P CROSS SECTION OF .19 BARNS. ENERGY RESOLUTION WAS ABOUT 70 PERCENT AT 15 KEV AND ABOUT 35 PERCENT FOR ENERGIES LESS THAN 1 KEV.	17-CL-35 17-CL-35	2.60-05 -2.10-04	7.40-03 4.30-03	43 13	N,P RES. PARAM.
858	NUCLEAR SCIENCE AND ENGINEERING 4, 576 (1958) R.J. BROWN, L.H. BOLLINGER (ANL) FAST CHOPPER	13-AL-27	2.77-09	4.74-08	117	TOTAL
859	NP-13020 PAGE 240 (1963) A.K. GANGULY, H. BAKHRI (CALCUTTA) NORMALIZED TO CU63(N,2N) CROSS-SECTION OF 556 MILLIBARNS	40-ZR-96 45-PD-108 46-PD-110 74-W -164 74-W -166	1.48+01 1.48+01 1.48+01 1.48+01 1.48+01	1.48+01 1.48+01 1.48+01 1.48+01 1.48+01	1 1 1 1 1	N,D N,D N,D N,D N,D
860	NP-13020 PAGE 244 (1963) S.K. MUKHERJEE, H. BAKHRI (CALCUTTA) NORMALIZED TO CU63(N,2N) OF 556 MILLIBARNS AND AL27(N,P) OF 77 MILLIBARNS	40-ZR-90 40-ZR-90 40-ZR-92 40-ZR-94 40-ZR-94	1.45+01 1.45+01 1.45+01 1.45+01 1.45+01	1.45+01 1.45+01 1.45+01 1.45+01 1.45+01	1 1 1 1 1	N,P N,A N,P N,P N,A

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

850

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
40-ZR-96	1.45+01 1.45+01	1 N,A
46-PD-108	1.45+01 1.45+01	1 N,A
73-TA-181	1.45+01 1.45+01	1 N,P
73-TA-181	1.45+01 1.45+01	1 N,A
74-W-184	1.45+01 1.45+01	1 N,P
74-W-186	1.45+01 1.45+01	1 N,P
74-W-186	1.45+01 1.45+01	1 N,A

861 PHYS. REV. 119, 1667 (1960) S.H.AHN, J.R.HEARST,
J.H.ROBERTS, E.N.STRAIT (NORTHWESTERN U.)

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
40-ZR-NAT	1.45+01 1.45+01	1 N,X-CP

862 PHYS. REV. 99, 10 (1955) J.A.HARVEY, D.J.HUGHES, R.S.CARTER,
V.E.PILCHER (BNL)
FAST CHOPPER. MO-165 AND U(NAT) CROSS SECTIONS TAKEN FROM
BNL-325 2ND ED. (1958)
RESONANCE PARAMETERS DETERMINED FROM AREA ANALYSIS (UTILIZING
AVERAGE GAMMA-GAMMAS). NATURAL ELEMENT AND ENRICHED ISOTOPES.
BNL-325 2ND ED. SUPPL.2 (1965)
FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS.

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
42-MO-NAT	3.2-05 7.34-04	186 TOTAL
42-MO-NAT	4.06-04 5.10-04	6 RES.PARAM.
42-MO-95	0. 7.50-04	2 AV.RES.PARAM.
42-MO-95	4.50-05 7.00-04	9 RES.PARAM.
42-MO-96	1.33-04 1.33-04	2 RES.PARAM.
42-MO-97	0. 7.50-04	2 AV.RES.PARAM.
42-MO-97	7.15-05 5.80-04	9 RES.PARAM.
42-MO-98	4.80-04 4.80-04	2 RES.PARAM.
42-MO-100	3.67-04 3.67-04	2 RES.PARAM.
49-IN-113	0. 4.90-05	2 AV.RES.PARAM.
49-IN-113	4.71-06 1.05-04	24 RES.PARAM.
49-IN-115	0. 5.60-05	2 AV.RES.PARAM.
49-IN-115	3.86-06 9.50-05	23 RES.PARAM.
50-SN-NAT	2.74-05 6.95-04	250 TOTAL
50-SN-112	0. 3.00-04	1 AV.RES.PARAM.
50-SN-112	9.65-05 2.80-04	2 RES.PARAM.
50-SN-114	0. 3.00-04	1 AV.RES.PARAM.
50-SN-114	2.80-04 2.80-04	2 RES.PARAM.
50-SN-115	2.90-04 2.80-04	1 RES.PARAM.
50-SN-116	0. 3.00-04	1 AV.RES.PARAM.
50-SN-116	1.12-04 1.49-04	4 RES.PARAM.
50-SN-117	0. 3.00-04	1 AV.RES.PARAM.
50-SN-117	3.94-05 4.60-04	16 RES.PARAM.
50-SN-118	0. 3.00-04	1 AV.RES.PARAM.
50-SN-118	4.63-05 3.68-04	4 RES.PARAM.
50-SN-119	0. 3.00-04	1 AV.RES.PARAM.
50-SN-119	1.41-04 4.60-04	6 RES.PARAM.
50-SN-120	0. 3.00-04	1 AV.RES.PARAM.
50-SN-120	4.25-04 4.25-04	2 RES.PARAM.
50-SN-124	0. 3.00-04	1 AV.RES.PARAM.
50-SN-124	6.25-05 6.25-05	2 RES.PARAM.
55-CS-133	0. 6.00-04	2 AV.RES.PARAM.
55-CS-133	2.26-05 5.30-04	34 RES.PARAM.
63-EU-NAT	0. 7.70-06	1 AV.RES.PARAM.
63-EU-151	4.83-06 1.52-05	22 RES.PARAM.
63-EU-153	6.25-06 1.17-05	6 RES.PARAM.
75-18-159	0. 8.00-05	1 AV.RES.PARAM.
95-TB-159	3.35-06 1.56-04	48 RES.PARAM.
67-HO-165	3.05-06 3.40-04	258 TOTAL
67-HO-165	0. 9.00-05	1 AV.RES.PARAM.
67-HO-165	3.92-06 1.30-04	45 RES.PARAM.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
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REF BIBLIOGRAPHY

862

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
69-TM-169	0. 7.50-05	1	AV.RES.PARAM.
69-TM-169	3.92-06 1.58-04	37	RES.PARAM.
71-LU-175	4.78-06 4.15-05	12	RES.PARAM.
71-LU-176	6.17-06 2.73-05	5	RES.PARAM.
72-HF-174	3.05-05 3.05-05	2	RES.PARAM.
72-HF-177	0. 3.40-05	1	AV.RES.PARAM.
72-HF-177	5.90-06 1.05-04	56	RES.PARAM.
72-HF-178	7.80-06 7.80-06	2	RES.PARAM.
72-HF-179	0. 6.50-05	1	AV.RES.PARAM.
72-HF-179	5.69-06 1.10-04	53	RES.PARAM.
72-HF-180	7.39-05 7.39-05	2	RES.PARAM.
73-TA-181	0. 4.50-05	1	AV.RES.PARAM.
73-TA-181	1.03-05 1.27-04	41	RES.PARAM.
92-U -NAT	3.65-06 2.85-04	247	TOTAL
92-U -238	0. 2.00-04	4	AV.RES.PARAM.
92-U -238	6.70-06 4.18-04	44	RES.PARAM.

863 PHYS. REV. 105, 616 (1957) F.B.SIMPSON, R.G.FLUHARTY (MTR)
BULL. AM. PHYS. SOC. 1, 247 (1956)
FAST CHOPPER. MOST OF THE NEUTRON WIDTHS WERE BASED ON A
GAMMA WIDTH OF 113 MV. THE G FACTOR WAS ASSUMED TO BE 1/2
FOR THE EVEN-ODD ISOTOPES. NATURAL ELEMENT AND ENRICHED
ISOTOPES. RESOLUTION VARIED FROM 40 TO 70 NSEC/M.

48-CD-NAT	1.44-05 4.98-04	321	TOTAL
48-CD-NAT	2.93-05 2.33-04	5	RES.PARAM.
48-CD-110	9.00-05 9.00-05	3	RES.PARAM.
48-CD-111	0. 2.00-04	1	AV.RES.PARAM.
48-CD-111	2.81-05 2.33-04	13	RES.PARAM.
48-CD-112	6.68-05 6.68-05	3	RES.PARAM.
48-CD-113	0. 2.00-04	1	AV.RES.PARAM.
48-CD-113	1.86-05 2.15-04	15	RES.PARAM.
48-CD-114	1.21-04 1.21-04	3	RES.PARAM.

864 ATOMNAYA ENERGIYA 16, 145 (1964) A.G.BEDA, L.N.KONDRATEV,
E.F.TRETYAKOV (USSR)
TRANSLATED IN SOVIET ATOMIC ENERGY 16, 167 (1964). CROSS
SECTION FOR FORMATION OF CD 115 (2.3 DAYS) TAKEN AS 1.1 PLUS/
MINUS 0.36 (1947 MEASUREMENT) AND RESULTS MEASURED RELATIVE
TO THIS REACTION. ITEF HEAVY WATER THERMAL REACTOR SPECTRA

48-CD-108	2.50-08 2.50-08	1	N,G SPECT.AV.
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865 ATOMNAYA ENERGIYA 16, 103 (1964) D.L.BRODER, V.E.KOLESOV,
A.I.LASHUK, I.P.SADOKHIN, A.G.DOVHENKO (USSR)
TRANSLATED IN
J. NUCLEAR ENERGY, PARTS A/B, 18, 645 (1964)
BASED ON MEASUREMENT OF GAMMA PRODUCTION CROSS SECTIONS AND
KNOWN LEVEL SCHEMES

12-MG-NAT	1.60+00 4.00+00	14	N,N'
12-MG-NAT	1.60+00 4.60+00	36	N,N'
12-MG-24	1.60+00 4.00+00	14	N,N'
12-MG-25	2.00+00 3.00+00	9	N,N'
12-MG-25	2.00+00 3.50+00	9	N,N'
24-CR-52	1.60+00 4.10+00	37	N,N'
28-NI-59	1.50+00 4.10+00	50	N,N'
28-NI-60	1.40+00 4.10+00	51	N,N'
41-NB-93	1.00+00 3.50+00	9	N,N'
41-NB-93	1.00+00 3.50+00	32	N,N'

866 PHYSICA 30, 124 (1964) H.W.BOYD, J.H.HAMILTON, A.R.SATTler,
P.F.A.GOUDSMIT (ORNL)
THERMAL REACTOR. SPECTRA ACTIVATION

48-CD-108	2.50-08 2.50-08	1	N,G SPECT.AV.
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867 NUCLEAR PHYS. 66, 267 (1965) A.K.CHAUBEY, M.L.SEHGAL (INDIA)

25-MN-55	2.40-02 2.40-02	1	N,G
47-AG-107	2.40-02 2.40-02	1	N,G
48-CD-114	2.40-02 2.40-02	1	N,G

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

867

TARGET EN. RANGE (MEV) PTS DESCRIPTION

49-IN-115 2.40-02 2.40-02 1 N,G
 49-IN-115 2.40-02 2.40-02 1 N,G
 52-TE-126 2.40-02 2.40-02 1 N,G
 66-DY-164 2.40-02 2.40-02 1 N,G
 67-KO-165 2.40-02 2.40-02 1 N,G
 71-LU-175 2.40-02 2.40-02 1 N,G
 79-AU-197 2.40-02 2.40-02 1 N,G
 90-TH-232 2.40-02 2.40-02 1 N,G

868 IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 26, 1079 (1962)
 A.K. VAL'TER, V.YU. GONCHAR, I.I. ZALYUBOVSKI, G.D. LATYSHEV,
 G.P. CHURSIN (USSR)

28-NI-51 1.41+01 1.41+01 1 N,P
 28-NI-62 1.41+01 1.41+01 1 N,N,P
 28-NI-62 1.41+01 1.41+01 2 N,P
 28-NI-64 1.41+01 1.41+01 1 N,N,P
 28-NI-64 1.41+01 1.41+01 2 N,P

869 J. INORG. NUCLEAR CHEM. 10, 1 (1958) A.C. WAHL (LASL)
 RELATIVE TO THE REACTION CD-114(N,GAMMA) CD-115 M. FOR WHICH
 THE CROSS SECTION WAS TAKEN AS 140 PLUS/MINUS 30 MILLIBARNS.
 THERMAL NEUTRON ACTIVATION

48-CD-113 2.50-08 2.50-08 1 N,G SPECT. AV.

870 ATOMNAYA ENERGIYA 16, 207 (1964) M.V. PASECHNIK, V.A. BATALIN,
 I.A. KORZH, I.A. TOTSKI (USSR)
 TRANSLATIONS

J. NUCLEAR ENERGY, PARTS A/B, 19, 278 (1965)
 SOVIET J. ATOMIC ENERGY 16, 246 (1965)
 SPHERICAL GEOMETRY. CORRECTED FOR MULTIPLE SCATTERING

26-FE-NAT 5.00-01 8.00-01 2 ELASTIC
 26-FE-NAT 5.00-01 8.00-01 16 ELASTIC D(A)
 30-ZN-NAT 5.00-01 8.00-01 2 ELASTIC
 30-ZN-NAT 5.00-01 8.00-01 16 ELASTIC D(A)
 40-ZR-NAT 8.00-01 8.00-01 1 ELASTIC
 40-ZR-NAT 8.00-01 8.00-01 8 ELASTIC D(A)
 48-CD-NAT 5.00-01 8.00-01 2 ELASTIC
 48-CD-NAT 5.00-01 8.00-01 16 ELASTIC D(A)
 50-SN-NAT 5.00-01 8.00-01 2 ELASTIC
 50-SN-NAT 5.00-01 8.00-01 16 ELASTIC D(A)
 56-BA-NAT 5.00-01 8.00-01 2 ELASTIC
 56-BA-NAT 5.00-01 8.00-01 16 ELASTIC D(A)
 80-HG-NAT 5.00-01 8.00-01 2 ELASTIC
 80-HG-NAT 5.00-01 8.00-01 16 ELASTIC D(A)
 82-PB-NAT 5.00-01 8.00-01 2 ELASTIC
 82-PB-NAT 5.00-01 8.00-01 16 ELASTIC D(A)
 93-BI-209 5.00-01 8.00-01 2 ELASTIC
 93-BI-209 5.00-01 8.00-01 16 ELASTIC D(A)
 92-U -NAT 8.00-01 8.00-01 1 ELASTIC
 92-U -NAT 8.00-01 8.00-01 8 ELASTIC D(A)

872 NUCLEAR PHYS. 29, 309 (1962) R.N. GLOVER, E. WEIGOLD
 (CANBERRA)
 THE CU63(N,2N) REACTION WAS NORMALIZED TO 550 MILLIBARNS AT
 14.77 MEV

28-NI-58 1.38+01 1.48+01 9 N,2N
 28-NI-58 1.38+01 1.48+01 9 N,N,P
 28-NI-58 1.38+01 1.48+01 9 N,P
 29-CU-63 1.38+01 1.47+01 5 N,2N
 29-CU-65 1.47+01 1.47+01 1 N,2N

873 PHYS. REV. 96, 1297 (1954) R.G. ALLEN, T.E. STEPHENSON,
 C.P. STANFORD, S. BERNSTEIN (ORNL)

28-NI-NAT 3.88-09 1.88-07 102 TOTAL
 47-AG-NAT 5.11-09 8.18-08 20 TOTAL
 47-AG-NAT 2.53-08 2.53-08 1 ABSORP
 49-IN-NAT 6.00-09 8.20-08 12 TOTAL
 49-IN-NAT 2.53-08 2.53-08 1 ABSORP

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
873	79-AU-197	5.20-09 8.20-08	10	TOTAL
	79-AU-197	2.53-08 2.53-08	1	ABSORP
874 CAN. J. PHYS. 31, 432 (1953) B.N.BROCKHOUSE	23-V -NAT	2.10-08 5.00-06	14	TOTAL
RELATIVE TO A MEASURED VANADIUM SCATTERING CROSS SECTION OF	23-V -NAT	5.00-06 5.00-06	1	FREE
5.07 PLUS/MINUS 0.15 BARNS. SCATTERING TO ABSORPTION RATIOS	45-RH-103	1.50-07 1.50-07	1	ELASTIC
FROM 0.02 EV TO 0.16 EV ALSO GIVEN FOR SM203, GD203, DY203	45-RH-103	1.26-06 1.26-06	1	RES.PARAM.
AND EU203	48-CD-NAT	6.00-08 3.50-07	12	TOTAL
	48-CD-NAT	2.00-08 3.97-07	19	ELASTIC
	48-CD-NAT	6.00-08 3.50-07	11	ABSORP
	48-CD-NAT	1.80-07 1.80-07	3	RES.PARAM.
	48-CD-113	1.61-07 1.80-07	6	RES.PARAM.
	62-SM-149	9.60-08 9.60-08	1	RES.PARAM.
875 J. PHYS. SOC. JAPAN 17, 1215 (1952) K.NAKAI, H.GOTOH, H.AMANO	28-NI-58	1.84+00 4.82+00	12	N,P
(JAERI)	30-ZN-64	1.85+00 4.82+00	13	N,P
ACTIVATION METHOD				
876 CAN. J. PHYS. 41, 545 (1963) W.S.SLINN, J.M.ROBSON (OTTAWA)	28-NI-58	1.41+01 1.41+01	1	N.A A1-A2
877 ATOMNAYA ENERGIYA 5, 522 (1958) P.P.LEBEDEV, YU.A.ZYSIN,	26-FE-NAT	1.40+01 1.40+01	1	NONELAS
IU.S.KLINTSOV, B.D.STSIBORSKII (USSR)	26-FE-NAT	1.40+01 1.40+01	1	ETA
TRANSLATED IN	29-CU-NAT	1.40+01 1.40+01	1	NONELAS
J. NUCLEAR ENERGY, PART A, 11, 39 (1959)	29-CU-NAT	1.40+01 1.40+01	1	ETA
SPHERE TRANSMISSION MEASUREMENT, CUG3 (N,2N) THRESHOLD	42-MO-NAT	1.40+01 1.40+01	1	NONELAS
DETECTOR, NOT CORRECTED FOR MULTIPLE SCATTERING	42-MO-NAT	1.40+01 1.40+01	1	ETA
	48-CD-NAT	1.40+01 1.40+01	1	NONELAS
	48-CD-NAT	1.40+01 1.40+01	1	ETA
	50-SN-NAT	1.40+01 1.40+01	1	NONELAS
	50-SN-NAT	1.40+01 1.40+01	1	ETA
	51-SB-NAT	1.40+01 1.40+01	1	NONELAS
	51-SB-NAT	1.40+01 1.40+01	1	ETA
	80-HG-NAT	1.40+01 1.40+01	1	NONELAS
	80-HG-NAT	1.40+01 1.40+01	1	ETA
	82-PB-NAT	1.40+01 1.40+01	1	NONELAS
	82-PB-NAT	1.40+01 1.40+01	1	ETA
	83-BI-209	1.40+01 1.40+01	1	NONELAS
	83-BI-209	1.40+01 1.40+01	1	ETA
	92-U -NAT	1.40+01 1.40+01	1	NONELAS
	92-U -NAT	1.40+01 1.40+01	1	ETA
878 PRIVATE COMMUNICATION (1962) P.HOHNE (TECH. HOCHSCH., MUNICH)	48-CD-NAT	1.76-07 1.76-07	2	RES.PARAM.
VIA BNL SIGMA CENTER	48-CD-113	1.76-07 1.76-07	1	RES.PARAM.
ANN. PHYSIK 7, 50 (1961)	62-SM-NAT	2.00-10 2.80-09	8	TOTAL
	63-EU-NAT	1.50-10 2.80-09	11	TOTAL
	63-EU-NAT	6.30-08 6.30-08	2	RES.PARAM.
	64-GD-NAT	1.80-10 2.80-09	8	TOTAL
	64-GD-NAT	3.30-08 3.30-08	2	RES.PARAM.
	64-GD-157	3.30-08 3.30-08	1	RES.PARAM.
879 NUCLEAR PHYS. 42, 86 (1963) W.B.GILBOY, J.H.TOWLE (AWRE)	11-NA-23	9.80-01 9.80-01	1	SCATTER
ELASTIC SCATTERING INCLUDES INELASTIC SCATTERING TO LEVELS	11-NA-23	9.60-01 9.80-01	9	ELASTIC D(A)

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

B79 BELOW 250 KEV RELATIVE TO μ CROSS SECTION

TARGET	EN. RANGE (MEV)	PYS DESCRIPTION
13-AL-27	9.80-01 9.80-01	1 SCATTER
13-AL-27	9.80-01 9.80-01	7 ELASTIC D(A)
24-CR-NAT	9.80-01 9.80-01	1 SCATTER
24-CR-NAT	9.80-01 9.80-01	8 ELASTIC D(A)
26-FE-NAT	9.80-01 9.80-01	1 SCATTER
26-FE-NAT	9.80-01 9.80-01	9 ELASTIC D(A)
40-ZR-NAT	9.80-01 9.80-01	1 SCATTER
40-ZR-NAT	9.80-01 9.80-01	9 ELASTIC D(A)
48-CD-NAT	9.80-01 9.80-01	1 SCATTER
48-CD-NAT	9.80-01 9.80-01	9 ELASTIC D(A)
50-SN-NAT	9.80-01 9.80-01	1 SCATTER
50-SN-NAT	9.80-01 9.80-01	8 ELASTIC D(A)
57-LA-NAT	9.80-01 9.80-01	1 SCATTER
57-LA-NAT	9.80-01 9.80-01	8 ELASTIC D(A)
58-CE-NAT	9.80-01 9.80-01	1 SCATTER
58-CE-NAT	9.80-01 9.80-01	8 ELASTIC D(A)
59-PR-141	9.80-01 9.80-01	1 SCATTER
59-PR-141	9.80-01 9.80-01	9 ELASTIC D(A)
60-ND-NAT	9.80-01 9.80-01	1 SCATTER
60-ND-NAT	9.80-01 9.80-01	8 ELASTIC D(A)
62-SM-NAT	9.80-01 9.80-01	1 SCATTER
62-SM-NAT	9.80-01 9.80-01	8 ELASTIC D(A)
64-GD-NAT	9.80-01 9.80-01	1 SCATTER
64-GD-NAT	9.80-01 9.80-01	8 ELASTIC D(A)
65-DY-NAT	9.80-01 9.80-01	1 SCATTER
65-DY-NAT	9.80-01 9.80-01	8 ELASTIC D(A)
67-HO-165	9.80-01 9.80-01	1 SCATTER
67-HO-165	9.80-01 9.80-01	9 ELASTIC D(A)
68-ER-NAT	9.80-01 9.80-01	1 SCATTER
68-ER-NAT	9.80-01 9.80-01	8 ELASTIC D(A)
70-YB-NAT	9.80-01 9.80-01	1 SCATTER
70-YB-NAT	9.80-01 9.80-01	8 ELASTIC D(A)
73-TA-NAT	9.80-01 9.80-01	1 SCATTER
73-TA-NAT	9.80-01 9.80-01	8 ELASTIC D(A)
82-PB-NAT	9.80-01 9.80-01	1 SCATTER
82-PB-NAT	9.80-01 9.80-01	7 ELASTIC D(A)
92-U -NAT	9.80-01 9.80-01	1 SCATTER
92-U -NAT	9.80-01 9.80-01	8 ELASTIC D(A)

880 PHYS. REV. 137, 83 (1955) A.P.JAIN, R.E.CHRIEN, J.A.MOORE,
H.PALEVSKY (BNL)

41-NB-93	1.10-02 1.01-01	10 TOTAL
42-MO-NAT	1.10-02 1.01-01	10 TOTAL
45-RU-103	1.10-02 1.01-01	10 TOTAL
47-AG-NAT	1.10-02 1.01-01	9 TOTAL
48-CD-NAT	1.10-02 1.01-01	10 TOTAL
49-IN-NAT	1.10-02 1.01-01	10 TOTAL

B81 COMPT. REND. 254, 4009 (1962) J.JULIEN, C.CORGE, V-D.HUYNH,
J.MORGENSTERN, F.METTER (SACLAY)
TIME OF FLIGHT TECHNIQUE. RESOLUTION WAS 3.5-4. NSEC/M.
BNL-325 2ND ED. SUPPL.2 (1965)
FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS.
SEE ALSO REFERENCE 2119

33-AS-75	2.51-04 2.03-03	59 RES.PARAM.
34-SE-NAT	3.74-04 2.23-03	7 RES.PARAM.
34-SE-74	2.70-05 2.68-04	2 RES.PARAM.
34-SE-76	3.74-04 8.55-04	2 RES.PARAM.
34-SE-78	3.80-04 3.80-04	1 RES.PARAM.
34-SE-80	1.96-03 1.96-03	1 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

881 J. PHYS. RADIUM 22, 719 (1961)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
40-ZR-90	3.81-03 1.31-02	2	RES.PARAM.
40-ZR-91	1.60-04 2.44-03	32	RES.PARAM.
40-ZR-92	2.66-03 2.26-02	6	RES.PARAM.
40-ZR-94	5.71-03 7.16-03	2	RES.PARAM.
40-ZR-96	3.00-04 3.00-04	4	RES.PARAM.

882 PHYS. REV. 83, 641 (1951) H.S. POMERANCE (ORNL)
 REACTOR SPECTRA, PILE OSCILLATOR METHOD. CROSS SECTIONS
 COMPARED TO AU ABSORPTION VALUE OF 95 BARNS FOR 2200 METER
 PER SECOND NEUTRONS. SEE ALSO REFERENCE 2583 (FOOTNOTE 7)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3-LI-NAT	2.50-08 2.50-09	1	ABSORP SPECT.AV.
5-B -NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
7-N -NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
11-NA-23	2.50-08 2.50-08	1	ABSORP SPECT.AV.
12-MG-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
13-AL-27	2.50-08 2.50-08	1	ABSORP SPECT.AV.
14-SI-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
15-P -31	2.50-08 2.50-08	1	ABSORP SPECT.AV.
16-S -NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
17-CL-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
19-K -NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
20-CA-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
21-SC-45	2.50-08 2.50-08	1	ABSORP SPECT.AV.
22-TI-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
23-V -NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
24-CR-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
25-MN-55	2.50-08 2.50-08	1	ABSORP SPECT.AV.
26-Fe-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
27-CO-59	2.50-08 2.50-08	1	ABSORP SPECT.AV.
28-NI-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
29-CU-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
30-ZN-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
31-GA-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
32-GE-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
33-AS-75	2.50-08 2.50-08	1	ABSORP SPECT.AV.
34-SE-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
35-BR-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
37-RB-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
38-SR-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
39-Y -89	2.50-08 2.50-08	1	ABSORP SPECT.AV.
40-ZR-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
41-NB-93	2.50-08 2.50-08	1	ABSORP SPECT.AV.
42-MO-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
44-RU-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
45-RH-103	2.50-08 2.50-08	1	ABSORP SPECT.AV.
46-PD-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
47-AG-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
49-IN-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
50-SN-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
51-SB-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
52-TE-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
53-I -127	2.50-08 2.50-08	1	ABSORP SPECT.AV.
55-CS-133	2.50-08 2.50-08	1	ABSORP SPECT.AV.
56-BA-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
57-LA-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
58-CE-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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TARGET EN. RANGE (MEV) PTS DESCRIPTION

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59-PR-141	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
60-ND-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
65-TB-159	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
67-HO-165	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
68-ER-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
69-TM-169	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
70-YB-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
71-LU-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
72-HF-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
73-TA-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
74-W-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
75-RE-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
76-OS-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
77-IR-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
78-PT-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
80-HG-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
81-TL-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
82-PB-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.

883 ATOMNAYA ENERGIYA 11, 398 (1961) V.I. SUKHANOV,
V.G. RUKAVISHNIKOV (USSR)
TIME OF FLIGHT NOT CORRECTED FOR (N,2N)

11-NA-23	1.40+01	1.40+01	1	N,N'EMS	
11-NA-23	1.40+01	1.40+01	1	NUCLEAR	TEMP.
26-FE-NAT	1.40+01	1.40+01	1	N,N'EMS	
26-FE-NAT	1.40+01	1.40+01	1	NUCLEAR	TEMP.
28-NI-NAT	1.40+01	1.40+01	1	N,N'EMS	
28-NI-NAT	1.40+01	1.40+01	1	NUCLEAR	TEMP.
82-PB-NAT	1.40+01	1.40+01	1	N,N'EMS	
82-PB-NAT	1.40+01	1.40+01	1	NUCLEAR	TEMP.

884 NUCLEAR PHYS. 49, 510 (1963) S.K. MANGAL, P.S. GILL (ALIGARH)
MEASUREMENTS RELATIVE TO AL-29(N,P)MG-29 AT 14.8 MEV CROSS
SECTION 83.0 PLUS/MINUS 6 MILLIBARNS

32-OE-76	1.48+01	1.48+01	1	N,2N	
40-ZR-90	1.48+01	1.48+01	1	N,2N	
46-PD-110	1.48+01	1.48+01	1	N,2N	
51-SB-123	1.48+01	1.48+01	1	N,2N	

885 PRIVATE COMMUNICATION (1966) A.B. SMITH (ANL)

TIME OF FLIGHT TECHNIQUE

TRANS. AM. NUCLEAR SOC. 7, 267 (1964) A.B. SMITH, P.T. GUENTHER

TID-21215 (EANDC(US)62-L) (1964)

PHYS. REV. 139, 76 (1964) A.B. SMITH, C.A. ENGELBRECHT,

D. REITMANN

ANL-7010 (1965)

NUCLEAR SCIENCE AND ENGINEERING 26, 500 (1966) J.P. CHIEN,

A.B. SMITH

ANL-7288 (1967) D. LISTER, A.B. SMITH, C. DUNFORD

NUCLEAR PHYS. 93, 609 (1967) A.B. SMITH, R. HAYES

PHYS. REV. 168, 1344 (1968) A.B. SMITH, P.T. GUENTHER,

J.F. WHALEN

NUCLEAR PHYS. 48, 593 (1963) D. REITMANN, C.A. ENGELBRECHT,

A.B. SMITH

PRIVATE COMMUNICATION (0000) E. BARNARD, J.A.M. DE VILLIERS,

C.A. ENGELBRECHT, D. REITMANN, A.B. SMITH

4-BE-9	4.50-01	1.50+00	33	ELASTIC	
4-BE-9	4.50-01	1.50+00	132	ELASTIC	LEGEND. COEF
9-F-19	1.00-01	6.48-01	548	TOTAL	
11-NA-23	1.00-01	6.48-01	557	TOTAL	
11-NA-23	3.00-01	1.50+00	50	ELASTIC	
11-NA-23	8.25-01	1.50+00	25	N,N'	
11-NA-23	3.00-01	1.50+00	100	ELASTIC	LEGEND. COEF
13-AL-27	3.19-01	1.51+00	873	TOTAL	
13-AL-27	3.00-01	1.50+00	27	ELASTIC	
13-AL-27	3.00-01	1.50+00	106	ELASTIC	LEGEND. COEF
24-CR-NAT	3.18-01	1.46+00	89	ELASTIC	
27-CO-59	3.00-01	1.50+00	32	ELASTIC	
27-CO-59	3.00-01	1.50+00	125	ELASTIC	LEGEND. COEF
28-NI-NAT	3.17-01	1.45+00	91	ELASTIC	
28-NI-NAT	3.17-01	1.45+00	364	ELASTIC	LEGEND. COEF
29-CU-NAT	3.00-01	1.50+00	26	ELASTIC	
29-CU-NAT	3.00-01	1.50+00	104	ELASTIC	LEGEND. COEF
29-CU-63	1.00+00	1.50+00	30	N,N'	
29-CU-65	1.10+00	1.50+00	17	N,N'	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

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TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
30-ZN-NAT	3.00-01 1.50+00	16	ELASTIC
30-ZN-NAT	3.00-01 1.50+00	104	ELASTIC LEGEND.COEF
32-GE-NAT	1.84-01 6.48-01	267	TOTAL
41-NB-93	3.20-01 1.45+00	33	ELASTIC
41-NB-93	3.20-01 1.45+00	163	ELASTIC LEGEND.COEF
42-MO-NAT	3.25-01 1.45+00	58	ELASTIC
42-MO-NAT	4.75-01 1.50+00	51	N.N'
42-MO-NAT	3.25-01 1.45+00	288	ELASTIC LEGEND.COEF
47-AG-NAT	3.00-01 1.45+00	24	ELASTIC
47-AG-NAT	3.00-01 1.45+00	120	ELASTIC LEGEND.COEF
48-CD-NAT	3.00-01 1.50+00	25	ELASTIC
48-CD-NAT	3.00-01 1.50+00	125	ELASTIC LEGEND.COEF
49-IN-NAT	3.00-01 1.50+00	25	ELASTIC
49-IN-NAT	3.00-01 1.50+00	120	ELASTIC LEGEND.COEF
50-SN-NAT	3.25-01 1.45+00	62	ELASTIC
50-SN-NAT	3.25-01 1.45+00	310	ELASTIC LEGEND.COEF
51-SB-NAT	3.25-01 1.45+00	51	ELASTIC
51-SB-NAT	5.00-01 1.50+00	34	N.N'
51-SB-NAT	3.25-01 1.45+00	255	ELASTIC LEGEND.COEF
52-TE-NAT	3.25-01 1.45+00	53	ELASTIC
52-TE-NAT	1.12+00 1.50+00	13	N.N'
52-TE-NAT	3.25-01 1.45+00	265	ELASTIC LEGEND.COEF
73-TA-NAT	3.00-01 1.47+00	3	ELASTIC
73-TA-181	4.50-01 1.55+00	146	N.N'
73-TA-181	3.00-01 1.47+00	476	ELASTIC LEGEND.COEF
74-W-182	3.33-01 1.43+00	55	ELASTIC
74-W-182	3.45-01 1.55+00	80	N.N'
74-W-182	3.33-01 1.43+00	272	ELASTIC LEGEND.COEF
74-W-184	3.33-01 1.48+00	59	ELASTIC
74-W-184	3.45-01 1.60+00	159	N.N'
74-W-184	3.33-01 1.48+00	294	ELASTIC LEGEND.COEF
74-W-186	3.25-01 1.43+00	59	ELASTIC
74-W-186	3.50-01 1.60+00	158	N.N'
74-W-186	3.25-01 1.48+00	294	ELASTIC LEGEND.COEF
75-RE-NAT	3.00-01 1.50+00	97	ELASTIC
75-RE-NAT	3.75-01 1.55+00	167	N.N'
75-RE-NAT	3.00-01 1.50+00	482	ELASTIC LEGEND.COEF
78-PT-NAT	3.00-01 1.50+00	105	ELASTIC
78-PT-NAT	4.50-01 1.55+00	155	N.N'
78-PT-NAT	3.00-01 1.50+00	515	ELASTIC LEGEND.COEF
79-AU-197	3.00-01 1.50+00	26	ELASTIC
79-AU-197	3.00-01 1.50+00	130	ELASTIC LEGEND.COEF
80-HG-NAT	3.00-01 1.50+00	25	ELASTIC
80-HG-NAT	3.00-01 1.50+00	125	ELASTIC LEGEND.COEF
11-TL-NAT	3.00-01 1.50+00	25	ELASTIC
31-TL-NAT	3.00-01 1.50+00	125	ELASTIC LEGEND.COEF
94-PU-239	3.00-01 1.45+00	127	SCATTER
94-PU-239	3.00-01 1.45+00	604	SCATTER LEGEND.COEF

886 ATOMNAYA ENERGIYA 16, 280 (1964) I.A.KORZH, N.S.KOPYTIN,
M.V.PASECHNIK, N.M.PRAYDIVIL, M.T.SKLYAR, I.A.TOTSKII (USSR)
CORRECTED FOR MULTIPLE SCATTERING, DIFFERENTIAL CROSS

6-C-NAT	5.00-01 5.00-01	1	ELASTIC
6-C-NAT	5.00-01 5.00-01	8	ELASTIC D(A)
11-NA-23	5.00-01 8.00-01	2	ELASTIC

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

886 SECTIONS CONVERTED FROM L TO CM SYSTEM. TRANSLATED IN
SOVIET J. ATOMIC ENERGY 16, 312 (1965)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
11-NA-23	5.00-01 8.00-01	16	ELASTIC D(A)
12-MG-NAT	5.00-01 8.00-01	2	ELASTIC
12-MG-NAT	5.00-01 8.00-01	16	ELASTIC D(A)
13-AL-27	5.00-01 8.00-01	2	ELASTIC
13-AL-27	5.00-01 8.00-01	16	ELASTIC D(A)
28-NI-NAT	5.00-01 8.00-01	2	ELASTIC
28-NI-NAT	5.00-01 8.00-01	16	ELASTIC D(A)
29-CU-NAT	5.00-01 8.00-01	2	ELASTIC
29-CU-NAT	5.00-01 8.00-01	16	ELASTIC D(A)
34-SE-NAT	5.00-01 8.00-01	2	ELASTIC
34-SE-NAT	5.00-01 8.00-01	16	ELASTIC D(A)
52-TE-NAT	5.0-01 8.00-01	2	ELASTIC
52-TE-NAT	5.00-01 8.00-01	16	ELASTIC D(A)

897 NUCLEAR SCIENCE AND ENGINEERING 11, 298 (1961) E.G. JOKI,
J.E. EVANS, R.R. SMITH (PHILLIPS PETROLEUM)
PRELIMINARY RESULTS IN
PHYS. REV. 96, 849 (1954)
ZR DATA OBTAINED FROM BNL SIGMA CENTER. TRANSMISSION, MTR
CRYSTAL SPECTROMETER, ZR RESULTS FROM .70--1.30 EV AND
1.80--10.0 EV NEGLECTED BECAUSE OF 400 PPM HF (RESONANCES)
CONTAMINATION. RESOLUTION HAS 900 NSEC/M WITH THE 240 PLANES.

22-T1-NAT	2.55-08	4.51-05	145	TOTAL
22-T1-NAT	2.53-08	2.53-08	1	N O.
22-T1-NAT	4.50-05	4.50-05	1	FREE
40-ZR-NAT	1.98-08	7.84-05	136	TOTAL
40-ZR-NAT	1.40-05	1.40-05	1	FREE
72-HF-NAT	2.53-08	3.51-06	143	TOTAL
72-HF-NAT	1.09-06	2.37-06	4	RES.PARAM.
72-HF-177	1.09-06	2.37-06	5	RES.PARAM.

888 PHYS. REV. 72, 888 (1947) L.SEREN, H.N.FRIEDLANDER,
S.H.TURKEL (ANL)
ACTIVATION METHOD. CONTRIBUTION FROM RESONANCE ACTIVATION NOT
SUBTRACTED. THERMAL REACTOR SPECTRA

8-O -18	2.53-08	2.53-08	1 N 0
3-F -19	2.53-08	2.53-08	1 N 0
11-NA-23	2.53-08	2.53-08	1 N 0
12-MG-26	2.53-08	2.53-08	1 N 0
13-AL-27	2.53-08	2.53-08	1 N 0
14-SI-30	2.53-08	2.53-08	1 N 0
15-P -31	2.53-08	2.53-08	1 N 0
16-S -34	2.53-08	2.53-08	1 N 0
17-CL-35	2.53-08	2.53-08	1 N P
17-CL-37	2.53-08	2.53-08	1 N 0
19-K -41	2.53-08	2.53-08	1 N 0
20-CA-44	2.53-08	2.53-08	1 N 0
21-SC-45	2.53-08	2.53-08	1 N 0
23-V -51	2.53-08	2.53-08	1 N 0
24-CR-50	2.53-08	2.53-08	1 N 0
25-MN-55	2.53-08	2.53-08	1 N 0
26-FE-58	2.53-08	2.53-08	1 N 0
27-CO-59	2.53-08	2.53-08	1 N 0
28-NI-64	2.53-08	2.53-08	1 N 0
29-CU-63	2.53-08	2.53-08	1 N 0
29-CU-65	2.53-08	2.53-08	1 N 0
30-ZN-64	2.53-08	2.53-08	1 N 0
30-ZN-68	2.53-08	2.53-08	1 N 0
31-GA-69	2.53-08	2.53-08	1 N 0
31-GA-71	2.53-08	2.53-08	1 N 0
32-GE-74	2.53-08	2.53-08	1 N 0
32-GE-76	2.53-08	2.53-08	1 N 0
33-AS-75	2.53-08	2.53-08	1 N 0
34-SE-74	2.53-08	2.53-08	1 N 0

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1	0.000-0.005	1	0.000-0.005
2	0.005-0.010	1	0.005-0.010
3	0.010-0.015	1	0.010-0.015
4	0.015-0.020	1	0.015-0.020
5	0.020-0.025	1	0.020-0.025
6	0.025-0.030	1	0.025-0.030
7	0.030-0.035	1	0.030-0.035
8	0.035-0.040	1	0.035-0.040
9	0.040-0.045	1	0.040-0.045
10	0.045-0.050	1	0.045-0.050
11	0.050-0.055	1	0.050-0.055
12	0.055-0.060	1	0.055-0.060
13	0.060-0.065	1	0.060-0.065
14	0.065-0.070	1	0.065-0.070
15	0.070-0.075	1	0.070-0.075
16	0.075-0.080	1	0.075-0.080
17	0.080-0.085	1	0.080-0.085
18	0.085-0.090	1	0.085-0.090
19	0.090-0.095	1	0.090-0.095
20	0.095-0.100	1	0.095-0.100
21	0.100-0.105	1	0.100-0.105
22	0.105-0.110	1	0.105-0.110
23	0.110-0.115	1	0.110-0.115
24	0.115-0.120	1	0.115-0.120
25	0.120-0.125	1	0.120-0.125
26	0.125-0.130	1	0.125-0.130
27	0.130-0.135	1	0.130-0.135
28	0.135-0.140	1	0.135-0.140
29	0.140-0.145	1	0.140-0.145
30	0.145-0.150	1	0.145-0.150
31	0.150-0.155	1	0.150-0.155
32	0.155-0.160	1	0.155-0.160
33	0.160-0.165	1	0.160-0.165
34	0.165-0.170	1	0.165-0.170
35	0.170-0.175	1	0.170-0.175
36	0.175-0.180	1	0.175-0.180
37	0.180-0.185	1	0.180-0.185
38	0.185-0.190	1	0.185-0.190
39	0.190-0.195	1	0.190-0.195
40	0.195-0.200	1	0.195-0.200
41	0.200-0.205	1	0.200-0.205
42	0.205-0.210	1	0.205-0.210
43	0.210-0.215	1	0.210-0.215
44	0.215-0.220	1	0.215-0.220
45	0.220-0.225	1	0.220-0.225
46	0.225-0.230	1	0.225-0.230
47	0.230-0.235	1	0.230-0.235
48	0.235-0.240	1	0.235-0.240
49	0.240-0.245	1	0.240-0.245
50	0.245-0.250	1	0.245-0.250
51	0.250-0.255	1	0.250-0.255
52	0.255-0.260	1	0.255-0.260
53	0.260-0.265	1	0.260-0.265
54	0.265-0.270	1	0.265-0.270
55	0.270-0.275	1	0.270-0.275
56	0.275-0.280	1	0.275-0.280
57	0.280-0.285	1	0.280-0.285
58	0.285-0.290	1	0.285-0.290
59	0.290-0.295	1	0.290-0.295
60	0.295-0.300	1	0.295-0.300
61	0.300-0.305	1	0.300-0.305
62	0.305-0.310	1	0.305-0.310
63	0.310-0.315	1	0.310-0.315
64	0.315-0.320	1	0.315-0.320
65	0.320-0.325	1	0.320-0.325
66	0.325-0.330	1	0.325-0.330
67	0.330-0.335	1	0.330-0.335
68	0.335-0.340	1	0.335-0.340
69	0.340-0.345	1	0.340-0.345
70	0.345-0.350	1	0.345-0.350
71	0.350-0.355	1	0.350-0.355
72	0.355-0.360	1	0.355-0.360
73	0.36		

REF BIBLIOGRAPHY

888

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
34-SE-82	2.53-08 2.53-08	1	N.O
35-BR-79	2.53-08 2.53-08	1	N.O
35-BR-81	2.53-08 2.53-08	1	N.O
37-RB-85	2.53-08 2.53-08	1	N.O
37-RB-87	2.53-08 2.53-08	1	N.O
38-SR-86	2.53-08 2.53-08	1	N.O
36-SR-88	2.53-08 2.53-08	1	N.O
39-Y-89	2.53-08 2.53-08	1	N.O
41-NB-93	2.53-08 2.53-08	1	N.O
42-MO-98	2.53-08 2.53-08	1	N.O
42-MO-100	2.53-08 2.53-08	1	N.O
45-RH-103	2.53-08 2.53-08	1	N.O
46-PD-108	2.53-08 2.53-08	1	N.O
46-PD-110	2.53-08 2.53-08	1	N.O
47-AG-109	2.53-08 2.53-08	1	N.O
48-CD-114	2.53-08 2.53-08	1	N.O
48-CD-116	2.53-08 2.53-08	1	N.O
49-IN-113	2.53-08 2.53-08	1	N.O
49-IN-115	2.53-08 2.53-08	1	N.O
50-SN-112	2.53-08 2.53-08	1	N.O
52-TE-126	2.53-08 2.53-08	1	N.O
52-TE-128	2.53-08 2.53-08	1	N.O
52-TE-130	2.53-08 2.53-08	1	N.O
53-I-127	2.53-08 2.53-08	1	N.O
55-CS-133	2.53-08 2.53-08	1	N.O
56-BA-138	2.53-08 2.53-08	1	N.O
57-LA-139	2.53-08 2.53-08	1	N.O
59-PR-141	2.53-08 2.53-08	1	N.O
62-SM-152	2.53-08 2.53-08	1	N.O
63-CU-151	2.53-08 2.53-08	1	N.O
66-OY-164	2.53-08 2.53-08	1	N.O
67-MO-165	2.53-08 2.53-08	1	N.O
69-TM-169	2.53-08 2.53-08	1	N.O
71-LU-176	2.53-08 2.53-08	1	N.O
72-HF-180	2.53-08 2.53-08	1	N.O
73-TA-181	2.53-08 2.53-08	1	N.O
74-W-184	2.53-08 2.53-08	1	N.O
74-W-186	2.53-08 2.53-08	1	N.O
75-RE-186	2.53-08 2.53-08	1	N.O
75-RE-187	2.53-08 2.53-08	1	N.O
77-IR-191	2.53-08 2.53-08	1	N.O
77-IR-191	2.53-08 2.53-08	1	N.O
77-IR-193	2.53-08 2.53-08	1	N.O
78-PT-198	2.53-08 2.53-08	1	N.O
79-AU-197	2.53-08 2.53-08	1	N.O
80-HG-204	2.53-08 2.53-08	1	N.O
83-BI-209	2.53-08 2.53-08	1	N.O

889 NUCLEAR PHYS. 62, 511 (1965) R.M.WILLENZICK, K.K.SETH,
P.R.BEVINGTON, H.W.LEWIS (DUKE U.)
TIME OF FLIGHT TECHNIQUE. CORRECTED FOR MULTIPLE SCATTERING.
NORMALIZED TO C(ELASTIC + INELASTIC) CROSS SECTION OF 1.12

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
6-C -NAT	6.04+00 6.04+00	1	ELASTIC
6-C -NAT	6.04+00 6.04+00	14	ELASTIC D(A)
6-C -12	6.04+00 6.04+00	1	N.N'
6-C -12	6.04+00 6.04+00	13	N.N' D(A)

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

589 PLUS/MINUS 0.02 BARNS INELASTIC CROSS SECTIONS DETERMINED
USING NEUTRONS WITHIN THE ENERGY RANGE 0.5--4.0 MEV.
INTEGRATED INELASTIC CROSS SECTION

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
26-FE-NAT	6.04+00 6.04+00	1	ELASTIC
26-FE-NAT	6.04+00 6.04+00	1	N,N'
26-FE-NAT	6.04+00 6.04+00	14	ELASTIC D(A)
26-FE-NAT	6.04+00 6.04+00	11	N,N' E1-E2,D(A)
39-Y -89	6.04+00 6.04+00	1	ELASTIC
39-Y -89	6.04+00 6.04+00	1	N,N'
39-Y -89	6.04+00 6.04+00	14	ELASTIC D(A)
39-Y -89	6.04+00 6.04+00	11	N,N' E1-E2,D(A)
42-MO-NAT	6.04+00 6.04+00	1	ELASTIC
42-MO-NAT	6.04+00 6.04+00	1	N,N'
42-MO-NAT	6.04+00 6.04+00	14	ELASTIC D(A)
42-MO-NAT	6.04+00 6.04+00	11	N,N' E1-E2,D(A)
45-RH-103	6.04+00 6.04+00	1	ELASTIC
45-RH-103	6.04+00 6.04+00	1	N,N'
45-RH-103	6.04+00 6.04+00	14	ELASTIC D(A)
45-RH-103	6.04+00 6.04+00	11	N,N' E1-E2,D(A)
48-CU-NAT	6.04+00 6.04+00	1	ELASTIC
48-CU-NAT	6.04+00 6.04+00	1	N,N'
48-CU-NAT	6.04+00 6.04+00	14	ELASTIC D(A)
48-CU-NAT	6.04+00 6.04+00	11	N,N' E1-E2,D(A)
50-SN-NAT	6.04+00 6.04+00	1	ELASTIC
50-SN-NAT	6.04+00 6.04+00	1	N,N'
50-SN-NAT	6.04+00 6.04+00	14	ELASTIC D(A)
50-SN-NAT	6.04+00 6.04+00	11	N,N' E1-E2,D(A)
83-BI-209	6.04+00 6.04+00	1	ELASTIC
83-BI-209	6.04+00 6.04+00	1	N,N'
83-BI-209	6.04+00 6.04+00	12	ELASTIC D(A)
83-BI-209	6.04+00 6.04+00	10	N,N' E1-E2,D(A)

890 AYOMNAYA ENERGIYA 15, 323 (1963) YU.YA.STAVISSKII,
A.V.SHAPAR' (USSR)
VALUES NORMALIZED TO MEASUREMENTS AT 400 KEV, 15.4 M /OR CU
AND 12.4 MILLIBARNS FOR ZR, REF 2 SAME ARTICLE

26-CU-NAT	1.90-02 1.00+00	16	N.O
40-ZR-NAT	1.80-02 9.50-01	15	N.O

891 NUCLEAR SCIENCE AND ENGINEERING 9, 132 (1966) J.W.MEADOWS,
J.F.WHALEN (ANL)

1-H -1	2.53-08 2.53-08	1	ABSORP
3-LI-NAT	2.53-08 2.53-08	1	ABSORP
5-B -NAT	2.53-08 2.53-08	1	ABSORP
5-B -10	2.53-08 2.53-08	1	ABSORP
11-NA-23	2.53-08 2.53-08	1	ABSORP
17-CL-NAT	2.53-08 2.53-08	1	ABSORP
25-MN-55	2.53-08 2.53-08	1	ABSORP
27-CO-59	2.53-08 2.53-08	1	ABSORP
34-SE-NAT	2.53-08 2.53-08	1	ABSORP
35-BR-NAT	2.53-08 2.53-08	1	ABSORP
47-AO-NAT	2.53-08 2.53-08	1	ABSORP
48-CD-NAT	2.53-08 2.53-08	1	ABSORP
49-IN-NAT	2.53-08 2.53-08	1	ABSORP
53-I -127	2.53-08 2.53-08	1	ABSORP
60-ND-NAT	2.53-08 2.53-08	1	ABSORP
62-SM-NAT	2.53-08 2.53-08	1	ABSORP
63-CU-NAT	2.53-08 2.53-08	1	ABSORP
64-GD-NAT	2.53-08 2.53-08	1	ABSORP

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
551	66-DY-NAT	2.53-08 2.53-08	1	ABSORP
	72-HF-NAT	2.53-08 2.53-08	1	ABSORP
	79-AU-197	2.53-08 2.53-08	1	ABSORP
	80-HG-NAT	2.53-08 2.53-08	1	ABSORP
892 NUKLEONIK 7, 117 (1965) A.PAULSEN, H.LISKIEN (GEEL)	28-NI-58	1.29+01 1.95+01	25	N,2N
	09-CU-65	1.26+01 1.95+01	27	N,2N
	30-ZN-64	1.26+01 1.95+01	27	N,2N
893 NUCLEAR PHYS. 63, 393 (1965) H.LISKIEN, A.PAULSEN (GEEL)	11-NA-23	1.26+01 1.95+01	23	N,2N
CROSS SECTIONS AT ENERGIES ABOVE 17 MEV BY PRIVATE	22-TI-46	1.26+01 1.65+01	17	N,P
COMMUNICATION VIA BNL SIGMA CENTER	28-NI-60	1.26+01 1.65+01	11	N,P
	29-CU-67	1.26+01 1.65+01	11	N,A
894 NUCLEAR PHYS. 53, 667 (1964) S.S.MOSKALEV, G.V.MURADYAN, YU.V.ADMACHUK (KURCHATOV INST., USSR)	40-ZR-90	0. 2.00-02	2	AV.RES.PARAM.
NATURAL ELEMENT AND ENRICHED ISOTOPES. TIME OF FLIGHT TECHNIQUE. BEST RESOLUTION WAS 8 NSEC/M.	40-ZR-90	3.91-03 1.78-02	8	RES.PARAM.
	40-ZR-91	0. 2.00-02	2	AV.RES.PARAM.
	40-ZR-91	1.82-04 5.60-03	23	RES.PARAM.
	40-ZR-92	0. 2.00-02	2	AV.RES.PARAM.
	40-ZR-92	1.86-03 6.88-03	10	RES.PARAM.
	40-ZR-94	0. 2.00-02	2	AV.RES.PARAM.
	40-ZR-94	2.27-03 1.98-02	10	RES.PARAM.
	40-ZR-96	0. 2.00-02	2	AV.RES.PARAM.
	40-ZR-96	3.02-04 5.51-03	10	RES.PARAM.
895 NUKLEONIK 6, 245 (1964) E.SOKOLOWSKI, H.PEKAREK, E.JONSSON (STUDSVIK, SWEDEN)	48-CD-NAT	2.53-08 2.53-08	3	N,0
CROSS SECTIONS WERE DEDUCED ON THE BASIS OF WESTCOTT'S G AND S FACTORS. PILE SPECTRUM	48-CD-NAT	1.78-07 1.78-07	1	RES.PARAM.
	62-SM-NAT	2.53-08 2.53-08	3	N,0
	62-SM-NAT	9.70-08 9.70-08	1	RES.PARAM.
	64-60-NAT	2.53-08 2.53-08	2	N,0
	71-LU-NAT	2.53-08 2.53-08	1	N,0 SPECT.AV.
896 ATOMNAYA ENERGIYA 15, 120 (1963) S.P.KAPCHIGASHEV, YU.P.POPOV (USSR)	28-NI-NAT	3.00-05 3.20-02	69	N,0
TRANSLATED IN	28-NI-NAT	2.30-03 2.30-03	1	RES.PARAM.
SOVIET J. ATOMIC ENERGY 15, 808 (1964)	29-CU-NAT	1.90-05 4.80-02	66	N,0
LEAD SLOWING DOWN TIME NEUTRON SPECTROMETER. W-182, 183, 184, 186 CURVES NOT IN ARTICLE. CURVES AND TABULATION. PRIVATE COMMUNICATION VIA BNL SIGMA CENTER. RESOLUTION WAS 30 PERCENT FOR ENERGIES LESS THAN 1 KEV, AND 70 PERCENT AT 15 KEV.	29-CU-63	-1.00-04 5.80-04	2	RES.PARAM.
	29-CU-65	2.27-04 2.27-04	2	RES.PARAM.
	42-MO-NAT	1.00-06 4.90-02	136	N,0
	42-MO-95	3.25-05 4.60-02	47	N,0
	42-MO-96	8.30-05 5.00-02	43	N,0
	42-MO-97	2.80-05 6.10-02	60	N,0
	42-MO-98	5.00-06 3.10-02	63	N,0
	42-MO-98	1.20-05 1.20-05	2	RES.PARAM.
	42-MO-100	1.95-04 3.50-02	39	N,0
	42-MO-100	3.67-04 3.67-04	1	RES.PARAM.
	74-W -NAT	7.00-07 9.00-03	209	N,0
	74-W -182	2.30-03 5.00-02	16	N,0
	74-W -183	5.00-03 5.00-02	6	N,0
	74-W -184	1.50-03 3.50-02	19	N,0
	74-W -186	1.00-05 1.46-02	69	N,0
897 J. NUCLEAR ENERGY, PART A, 12, 32 (1960) R.B.TATTERSALL,	12-HG-NAT	5.00-07 1.50+01	1	ABSORP RES.INT.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
897 H.ROSE, S.K.PATTENDEN, D.JOWITT (AERE)	25-MN-55	2.53-08 2.53-08	1	ABSORP
PILE OSCILLATOR METHOD. RELATIVE TO 2200 M/SEC HARWELL	25-MN-55	5.00-07 1.50+01	1	ABSORP RES. INT.
STANDARD B CROSS SECTION = 767 +- 4 BARNS AND AU-197 RI	26-FE-NAT	2.53-08 2.53-08	1	ABSORP
(ABOVE - 1/V) OF 1513 +- 60 BARNS. WE HAVE ADDED BACK IN THE	26-FE-NAT	5.00-07 1.50+01	1	ABSORP RES. INT.
1/V COMPONENT OF THE 1.1 (CUTOFF = 0.5 EV) USING THE 2200	29-CU-NAT	5.00-07 1.50+01	1	ABSORP RES. INT.
M/SEC CROSS SECTION IN THE REFERENCE AND BNL-32E	30-ZN-NAT	5.00-07 1.50+01	1	ABSORP RES. INT.
	41-NB-93	5.00-07 1.50+01	1	ABSORP RES. INT.
	42-MO-NAT	5.00-07 1.50+01	1	ABSORP RES. INT.
	42-MO-95	2.53-08 2.53-08	1	ABSORP
	42-MO-95	5.00-07 1.50+01	1	ABSORP RES. INT.
	43-TC-99	2.53-08 2.53-08	1	ABSORP
	43-TC-99	5.00-07 1.50+01	1	ABSORP RES. INT.
	47-AG-NAT	2.53-08 2.53-08	1	ABSORP
	47-AG-NAT	5.00-07 1.50+01	1	ABSORP RES. INT.
	47-AG-109	2.53-08 2.53-08	1	ABSORP
	47-AG-109	5.00-07 1.50+01	1	ABSORP RES. INT.
	49-IN-NAT	5.00-07 1.50+01	1	ABSORP RES. INT.
	50-SN-NAT	5.00-07 1.50+01	1	ABSORP RES. INT.
	52-TE-NAT	5.00-07 1.50+01	1	ABSORP RES. INT.
	53-I -127	2.53-08 2.53-08	1	ABSORP
	53-I -127	5.00-07 1.50+01	1	ABSORP RES. INT.
	55-CS-133	5.00-07 1.50+01	1	ABSORP RES. INT.
	60-ND-143	2.53-08 2.53-08	1	ABSORP
	60-ND-145	2.53-08 2.53-08	1	ABSORP
	60-ND-145	5.00-07 1.50+01	1	ABSORP RES. INT.
	62-SM-152	5.00-07 1.50+01	1	ABSORP RES. INT.
	63-EU-151	2.53-08 2.53-08	1	ABSORP
	63-EU-153	2.53-08 2.53-08	1	ABSORP
	63-EU-153	5.00-07 1.50+01	1	ABSORP RES. INT.
	72-HF-NAT	2.53-08 2.53-08	1	ABSORP
	72-HF-NAT	5.00-07 1.50+01	1	ABSORP RES. INT.
	73-TA-NAT	5.00-07 1.50+01	1	ABSORP RES. INT.
	74-W -NAT	2.53-08 2.53-08	1	ABSORP
	74-W -NAT	5.00-07 1.50+01	1	ABSORP RES. INT.
	78-Pt-NAT	2.53-08 2.53-08	1	ABSORP
	78-Pt-NAT	5.00-07 1.50+01	1	ABSORP RES. INT.
	82-Pb-NAT	5.00-07 1.50+01	1	ABSORP RES. INT.
	83-BI-209	5.00-07 1.50+01	1	ABSORP RES. INT.
	90-TH-232	2.53-08 2.53-08	1	ABSORP
	90-TH-232	5.00-07 1.50+01	1	ABSORP RES. INT.
	92-U -238	5.00-07 1.50+01	1	ABSORP RES. INT.

898 NUCLEAR PHYS. 112, 329 (1968) G.F.AUCHAMPAUGH, C.D.BOWMAN, J.E.EVANS (LRL)
 TIME OF FLIGHT TECHNIQUE. NORMALIZED TO THE 20.85 EV RESONANCE VIA THE MTR DATA OF REFERENCE 1308 WITH AN UNCERTAINTY OF 3 PERCENT IN THE NORMALIZATION. MULTILEVEL ONE-CHANNEL FIT. THE SIGNS ON THE FISSION WIDTH ARE TO BE ASSOCIATED WITH THE INTERFERENCE TERM. GAMMA-GAMMA TAKEN AS 0.040 EV.
 UCRL-70920 (1968)

92-U -232 5.05-06 1.62-03 707 N.FISS
 92-U -232 6.00-07 7.42-05 28 RES.PARAM.

899 NUCLEAR PHYS. 68, 387 (1965) U.SEEBECK, M.BORMANN (HAMBURG)

13-AL-27 1.41+01 1.41+01 1 N.A

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

899 CSI (TL) SCINTILLATION COUNTER

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
13-AL-27	1.41+01 1.41+01	8	N.A D(A)
13-AL-27	1.41+01 1.41+01	16	N.A E1-E2,D(A)
28-NI-58	1.41+01 1.41+01	1	N.N.A
28-NI-58	1.41+01 1.41+01	1	N.XA
28-NI-58	1.41+01 1.41+01	8	N.A D(A)

900 Z. PHYSIK 153, 106 (1958) F.MUNNICH (ERLANGEN)
THERMALIZED SPECTRA. NORMALIZED TO A LIG(N,ALPHA)T3 CROSS
SECTION OF 920 BARNs AT 0.025 EV.

16-S -32	2.50-08 2.50-08	1	N.A SPECT.AV.
16-S -33	2.50-08 2.50-08	1	N.A SPECT.AV.
20 CA-40	2.50 08 2.50-08	1	N.A SPECT.AV.
28-NI-58	2.50-08 2.50-08	1	N.A SPECT.AV.
28-NI-61	2.50-08 2.50-08	1	N.A SPECT.AV.

901 ATCMNAYA ENERGIYA 13, 60 (1962) G.N.LOVCHIKOVA (USSR)
TRANSLATED IN
SOVIET J. ATOMIC ENERGY 13, 848 (1962)
DIFFERENTIAL CROSS SECTION CONVERTED FROM L TO CM SYSTEM

8-O -NAT	9.00-01 9.00-01	1	ELASTIC
8-O -NAT	9.00-01 9.00-01	5	ELASTIC D(A)
14-SI-NAT	9.00-01 9.00-01	1	ELASTIC
14-SI-NAT	9.00-01 9.00-01	5	ELASTIC D(A)
28-NI-NAT	9.00-01 9.00-01	1	ELASTIC
28-NI-NAT	9.00-01 9.00-01	5	ELASTIC D(A)

902 A/CONF. 4, 210 (1955) J.E.LYNN, N.J.PATTENDEN (HARWELL)
RESONANCE PARAMETERS FROM AREA ANALYSIS. FOR TABULATION OF
DATA. SEE
NRDC-81 (1956)

92-U -233	1.86-06 6.89-05	343	TOTAL
92-U -233	1.77-06 9.81-05	38	RES.PARAM.
92-U -235	5.70-09 5.80-07	58	TOTAL
92-U -235	3.00-07 9.00-05	17	RES.PARAM.
92-U -238	0. 0.	1	COHERT
92-U -238	6.67-06 2.10-04	54	RES.PARAM.

903 PHYS. REV. 110, 692 (1958) K.K.SETH, D.J.HUGHES,
R.L.ZIMMERMAN, R.C.GARTH (BNL)
DATA FOR ZR VIA BNL SIGMA CENTER

29-CU-NAT	8.47-06 1.67-03	42	TOTAL
30-ZN-NAT	4.20-06 2.06-03	91	TOTAL
30-ZN-NAT	-3.00-04 -3.00-04	1	RES.PARAM.
39-Y -89	5.57-07 4.22-03	41	TOTAL
39-Y -89	-3.00-04 -3.00-04	1	RES.PARAM.
40-ZR-NAT	5.77-05 5.71-04	39	TOTAL
41-NB-93	4.71-05 1.66-04	50	TOTAL
42-MO-NAT	1.32-05 3.03-04	23	TOTAL
47-AO-NAT	9.83-06 1.27-04	35	TOTAL
50-SN-NAT	1.70-05 8.16-05	33	TOTAL
56-BA-NAT	1.11-04 2.44-04	10	TOTAL
60-ND-NAT	5.21-07 9.00-05	40	TOTAL
60-ND-NAT	-1.40-05 -1.40-05	1	RES.PARAM.
79-AU-197	7.33-06 5.43-05	31	TOTAL
79-AU-197	4.65-05 4.65-05	1	RES.PARAM.
81-TL-NAT	1.31-05 3.85-03	42	TOTAL
81-TL-NAT	-4.00-05 -4.00-05	1	RES.PARAM.
81-TL-203	2.38-04 1.10-03	2	RES.PARAM.
82-PB-NAT	2.09-04 2.05-02	89	TOTAL
83-BI-209	2.64-05 1.67-03	36	TOTAL
90-TH-232	1.00-07 7.00-05	43	TOTAL
90-TH-232	-7.00-06 -7.00-06	1	RES.PARAM.
92-U -238	2.20-05 7.80-05	31	TOTAL

904 PHYS. SC. 8, 81 (1963) R. MACKLIN, MADA.
J. (ORNL)

40-ZR-90	3.00-02 3.00-02	1	ABSORP
40-ZR-91	3.00-02 3.00-02	1	ABSORP

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
907	25-MN-55	1.48+01 1.48+01	1	N,P
908 NUCLEAR PHYS. 36, 542 (1962) S.K.MANGAL, P.S.GILL (INDIA) THERMAL REACTOR (SWIMMING POOL, BOMBAY) SPECTRA	30-ZN-68	2.50-08 2.50-08	1	N,G SPECT.AV.
	30-ZN-68	2.50-08 2.50-08	1	N,G SPECT.AV.
	30-ZN-68	2.50-08 2.50-08	1	N,G SPECT.AV.
	30-ZN-70	2.50-08 2.50-08	1	N,G SPECT.AV.
	30-ZN-70	2.50-08 2.50-08	1	N,G SPECT.AV.
	30-ZN-70	2.50-08 2.50-08	1	N,G SPECT.AV.
	48-CD-108	2.50-08 2.50-08	1	N,G SPECT.AV.
	48-CD-110	2.50-08 2.50-08	1	N,G SPECT.AV.
	52-TE-126	2.50-08 2.50-08	1	N,G SPECT.AV.
	52-TE-128	2.50-08 2.50-08	1	N,G SPECT.AV.
	52-TE-130	2.50-08 2.50-08	1	N,G SPECT.AV.
	66-DY-154	2.50-08 2.50-08	1	N,G SPECT.AV.
	74-W-184	2.50-08 2.50-08	1	N,G SPECT.AV.
	76-OS-189	2.50-08 2.50-08	1	N,G SPECT.AV.
	78-PT-196	2.50-08 2.50-08	1	N,G SPECT.AV.
909 NUCLEAR SCIENCE AND ENGINEERING 8, 378 (1960) W.S.LYON (ORNL) GRAPHITE REACTOR ACTIVATION. SB 121, TA 181 AND W 186 CORRECTED FOR EPITHERMAL ACTIVATION BY CR MEASUREMENT	19-K-41	2.50-08 2.50-08	1	N,G SPECT.AV.
	24-CR-50	2.50-08 2.50-08	1	N,G SPECT.AV.
	28-NI-64	2.50-08 2.50-08	1	N,G SPECT.AV.
	29-CU-63	2.50-08 2.50-08	1	N,G SPECT.AV.
	30-ZN-64	2.50-08 2.50-08	1	N,G SPECT.AV.
	30-ZN-68	2.50-08 2.50-08	1	N,G SPECT.AV.
	31-GA-71	2.50-08 2.50-08	1	N,G SPECT.AV.
	32-GE-70	2.50-08 2.50-08	1	N,G SPECT.AV.
	32-GE-74	2.50-08 2.50-08	1	N,G SPECT.AV.
	33-AS-75	2.50-08 2.50-08	1	N,G SPECT.AV.
	35-BR-81	2.50-08 2.50-08	1	N,G SPECT.AV.
	37-RB-85	2.50-08 2.50-08	1	N,G SPECT.AV.
	38-SR-86	2.50-08 2.50-08	1	N,G SPECT.AV.
	40-ZR-94	2.50-08 2.50-08	1	N,G SPECT.AV.
	42-MO-98	2.50-08 2.50-08	1	N,G SPECT.AV.
	46-PD-108	2.50-08 2.50-08	1	N,G SPECT.AV.
	47-AO-109	2.50-08 2.50-08	1	N,G SPECT.AV.
	51-SB-121	2.50-08 2.50-08	1	N,G SPECT.AV.
	55-CS-133	2.50-08 2.50-08	1	N,G SPECT.AV.
	56-BA-130	2.50-08 2.50-08	1	N,G SPECT.AV.
	56-BA-138	2.50-08 2.50-08	1	N,G SPECT.AV.
	57-LA-139	2.50-08 2.50-08	1	N,G SPECT.AV.
	58-CE-142	2.50-08 2.50-08	1	N,G SPECT.AV.
	59-PH-141	2.50-08 2.50-08	1	N,G SPECT.AV.
	64-CD-158	2.50-08 2.50-08	1	N,G SPECT.AV.
	73-TA-181	2.50-08 2.50-08	1	N,G SPECT.AV.
	74-W-184	2.50-08 2.50-08	1	N,G SPECT.AV.
	74-W-186	2.50-08 2.50-08	1	N,G SPECT.AV.
	75-RE-185	2.50-08 2.50-08	1	N,G SPECT.AV.
	75-RE-187	2.50-08 2.50-08	1	N,G SPECT.AV.
910 NUCLEAR SCIENCE AND ENGINEERING 22, 373 (1965) H.H.KRAMER, W.H.WAHL (UNION CARBIDE) ACTIVATION TECHNIQUE (UNION CARBIDE RESEARCH REACTOR).	34-SE-76	2.50-08 2.50-08	1	N,G SPECT.AV.
	34-SE-77	2.00+00 2.00+00	1	N,M' SPECT.AV.
	34-SE-78	2.50-08 2.50-08	1	N,G SPECT.AV.
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
910 THERMAL CROSS SECTION DO NOT INCLUDE Σ P1-CD CONTRIBUTION. A VALUE FOR THE CD-112 (N,2N) CD-111M CROSS SECTION OF 0.48 PLUS/MINUS 0.07 MB WAS OBTAINED WITH CD-COVERED SAMPLES	38-SR-84 38-SR-86 38-SR-87 48-CD-110 48-CD-111 48-CD-112 56-BA-136 56-BA-137 56-BA-138 56-BA-139	2.50-08 2.50-08 2.50-08 2.50-08 2.00+00 2.00+00 2.50-08 2.50-08 2.00+00 2.00+00 2.00+00 2.00+00 2.50-08 2.50-08 2.00+00 2.00+00 2.00+00 2.00+00 2.50-08 2.50-08	1 N,0 1 N,0 1 N,N' 1 N,0 1 N,N' 1 N,2N 1 N,0 1 N,N' 1 N,2N 1 N,0	SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV.
911 BULL. AM. PHYS. SOC. 1, 40 (1956) B.L.ROBINSON, R.W.FINK (U. OF ARKANSAS) PILE SIGMA(N,P) FISSION SPECTRUM NORMALIZED TO BA 130 (N,GAMMA) 6 BARNS	28-NI-58 28-NI-60 56-BA-132 56-BA-136	2.C.+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00	1 N,P 1 N,P 1 N,P 1 N,P	SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV.
912 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., P/D-5 (1968) W.P.POENITZ (ANL) TIME OF FLIGHT TECHNIQUE, GAS SCINTILLATION COUNTER. THE CROSS SECTION WAS NORMALIZED AT 30 KEV TO THE RESULTS OF KNOLL AND POENITZ (SEE REFERENCE 1380)	92-U -235	3.00-02 1.47+00	14 N,FISS	
913 PHYS. REV. 132, 328 (1963) D.E.ALBUGER (BNL) RELATIVE TO 0-16(N,P)-16 CROSS SECTION OF 30 MB	4-BE-9	1.55+01 1.55+01	1 N,P	
914 PRIVATE COMMUNICATION (1969) C.T.HIBDON (ANL) FLAT AND SELF DETECTION	12-MO-NAT 13-AL-27	1.30-01 6.41-01 2.75-02 6.26-01	420 TOTAL 919 TOTAL	
915 REV. SCI. INSTR. 33, 918 (1962) D.BALLY, S.TODIREANU, S.RIPEANU, M.G.BELLONI (BUCHAREST) TOTAL NEUTRON REFLECTION MEASUREMENT	26-FE-NAT 29-CU-NAT 48-CD-NAT	6 27-08 6.07-08 6 07-08 6.07-08 6 07-08 6.07-08	1 COHERT 1 COHERT 1 COHERT	
916 PHYS. REV. 72, 585 (1947) T.BRILL, H.V.LICHTENBERGER (ANL)	64-GD-NAT 64-GD-157	2.10-09 2.00-07 2.80-08 2.80-08	64 TOTAL 2 RES.PARAM.	
917 ATOMNAYA ENERGIYA 15, 411 (1963) E.M.OPARIN, A.I.SOUKOV, R.S.SHUVALOV (USSR) TRANSLATED IN SOVIET J. ATOMIC ENERGY 15, 1185 (1963) TIME OF FLIGHT METHOD. L1 RESULTS DO NOT INCLUDE TRANSITIONS THROUGH THE FIRST EXCITED STATE (0.470 MEV) BE(N,2N) NEUTRONS ASSUMED SPHERICALLY SYMMETRICAL	3-LI-NAT 4-BE-9 5-B -NAT 6-C -NAT 7-N -NAT 8-O -NAT	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	5 N,N'EMS E1-E2,D(IA) 6 N,2N E1-E2,D(IA) 6 N,N'EMS E1-E2,D(IA) 5 N,N'EMS E1-E2,D(IA) 6 N,N'EMS E1-E2,D(IA) 5 N,N'EMS E1-E2,D(IA)	
918 PRIVATE COMMUNICATION (1957) B.R.LEONARD, JR. VIA BNL SIGMA CENTER. HANFORD CRYSTAL SPECTROMETER. THIS INCLUDES BOTH 1955 AND 1957 MEASUREMENTS	92-U -235 92 U -235	4.70-09 1.92-07 2.86-09 9.50-07	56 TOTAL 82 N,FISS	
919 ORNL-3778 PAGE 38 (1965) T.FUKETA, J.A.HARVEY (ORNL) LEVEL SPACINGS AND SHAPE STRENGTH FUNCTION OF HF. ENRICHED ISOTOPES. RESOLUTION WAS 1-2 PERCENT BELOW 51 EV, AND 60 NSEC/M ABOVE 50 EV.	72-HF-174 72-HF-174 72-HF-176 72-HF-176 72-HF-177	0. 8.00-05 4.25-06 2.11-04 0. 1.20-04 4.83-05 2.01-04 0. 1.00-04	2 AV.RES.PARAM. 10 RES.PARAM. 2 AV.RES.PARAM. 6 RES.PARAM. 2 AV.RES.PARAM.	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

919

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
72-HF-177	1.09-06 1.76-04	51 RES.PARAM.
72-HF-178	0. 1.60-04	2 AV.RES.PARAM.
72-HF-178	7.78-06 1.64-04	3 RES.PARAM.
72-HF-179	0. 8.00-05	2 AV.RES.PARAM.
72-HF-179	5.68-06 1.87-04	33 RES.PARAM.
72-HF-180	0. 2.20-04	2 AV.RES.PARAM.
72-HF-180	7.25-05 1.71-04	2 RES.PARAM.

920 UKR. FIZ. ZH. 5, 704 (1960) V.I.STRIZHAK, A.O.KOZAR, M.S.NAZAROV (USSR)
CORRECTED FOR MULTIPLE SCATTERING. DIFFERENTIAL CROSS SECTIONS CONVERTED FROM L TO CM SYSTEM

28-NI-NAT	2.90+00 2.90+00	9 ELASTIC D(A)
34-SE-NAT	2.90+00 2.90+00	11 ELASTIC D(A)
40-ZR-NAT	2.90+00 2.90+00	11 ELASTIC D(A)
42-MO-NAT	2.90+00 2.90+00	10 ELASTIC D(A)
52-TE-NAT	2.90+00 2.90+00	8 ELASTIC D(A)

921 PRIVATE COMMUNICATION (1965) K.K.SETH (NORTHWESTERN U.)
DATA OF TABONY, SETH AND BILPUCH, TO BE PUBLISHED
SEE ALSO REFERENCE 1992

44-RU-NAT	3.00-02 8.50-01	102 TOTAL
49-IN-NAT	3.00-02 6.50-01	101 TOTAL
51-SB-NAT	3.00-02 6.50-01	102 TOTAL
53-I -127	3.00-02 6.50-01	102 TOTAL
57-LA-NAT	3.00-02 6.50-01	101 TOTAL
72-HF-NAT	3.00-02 6.50-01	102 TOTAL
73-TA-NAT	3.00-02 6.50-01	102 TOTAL
74-W -NAT	3.00-02 6.50-01	101 TOTAL
75-RE-NAT	3.00-02 6.50-01	102 TOTAL
76-OS-NAT	3.00-02 6.50-01	92 TOTAL
77-IR-NAT	3.00-02 6.50-01	102 TOTAL
80-HG-NAT	4.00-02 6.50-01	101 TOTAL

922 PHYS. LETTERS 16, 306 (1965) K.K.SETH (NORTHWESTERN U.)
DATA OF SETH, TABONY AND NEWSON, TO BE PUBLISHED

29-CU-NAT	6.00-03 6.40-01	101 TOTAL
30-ZN-NAT	1.00-02 6.40-01	89 TOTAL
39-Y -89	5.00-03 6.40-01	97 TOTAL
40-ZR-NAT	6.00-03 6.40-01	70 TOTAL
41-NB-93	4.00-03 6.40-01	102 TOTAL
42-MO-NAT	6.00-03 6.40-01	86 TOTAL
45-RH-103	4.00-03 6.40-01	122 TOTAL
46-PD-NAT	5.00-03 6.40-01	95 TOTAL
47-AG-NAT	5.00-03 6.40-01	95 TOTAL
48-CD-NAT	6.00-03 6.40-01	88 TOTAL
50-SN-NAT	1.50-02 6.40-01	78 TOTAL
60-ND-NAT	2.00-03 6.40-01	103 TOTAL
64-GD-NAT	4.00-03 6.40-01	96 TOTAL
68-ER-NAT	5.00-03 6.40-01	93 TOTAL
78-PT-NAT	5.00-03 6.40-01	95 TOTAL
79-AU-197	5.00-03 6.40-01	94 TOTAL
81-TL-NAT	6.00-03 1.90-01	44 TOTAL

923 ORNL-3778 PAGE 53 (1965) R.C.BLOCK, J.E.RUSSELL, R.W.HOCKENBURY (ORNL)
CAPTURE CROSS SECTIONS ON W ISOTOPES RPI LINAC. SEE ALSO REFERENCE 3092. ENRICHED ISOTOPES

74-W -NAT	1.25-03 9.95-03	9 N.G
74-W -182	1.25-03 9.95-03	9 N.G
74-W -182	0. 4.00-03	2 AV.RES.PARAM.
74-W -182	1.28-03 4.00-03	39 RES.PARAM.
74-W -183	1.25-03 9.95-03	9 N.G
74-W -183	0. 1.00-03	1 AV.RES.PARAM.
74-W -183	4.19-04 2.65-03	85 RES.PARAM.

REF. BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
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REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
923	74-W -184	1.25-03 9.95-03	9	N,G
	74-W -184	2.05-03 4.02-03	22	RES.PARAM.
	74-W -186	1.25-03 9.95-03	9	N,G
	74-W -186	2.36-03 3.98-03	16	RES.PARAM.
924	20-CA-43	2.00-03 3.60-02	2	AV.RES.PARAM.
NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTHEF P/99 (1965)	20-CA-43	4.36-03 3.65-02	22	RES.PARAM.
R.HAGNER, W.M.GOOD, D.PAYA (ORNL)	22-TI-47	2.00-03 6.00-02	2	AV.RES.PARAM.
TRANSMISSION MEASUREMENT, ENRICHED ISOTOPES. ENERGY RESOLUTION WAS 1-2 PERCENT.	22-TI-47	2.98-03 5.62-02	38	RES.PARAM.
BULL. AM. PHYS. SOC. 10, 11 (1965)	22-TI-49	2.00-03 6.00-02	2	AV.RES.PARAM.
ORNL-3778 PAGE 69 (1965)	22-TI-49	3.72-03 3.79-02	20	RES.PARAM.
THERE IS ALSO PRIVATE COMMUNICATION (1966) W.M.GOOD, D.PAYA, R.WAGNER, T.TOMURA	24-LR-53	2.00-03 4.00-02	3	AV.RES.PARAM.
	24-CR-53	3.60-03 2.88-02	20	RES.PARAM.
	26-FE-57	2.00-03 5.50-02	2	AV.RES.PARAM.
	26-FE-57	3.87-03 4.55-02	8	RES.PARAM.
	28-NI-61	2.00-03 5.00-02	2	AV.RES.PARAM.
	28-NI-61	6.97-03 4.84-02	38	RES.PARAM.
	29-CU-63	0. 6.00-02	2	AV.RES.PARAM.
	29-CU-63	2.63-03 4.22-02	55	RES.PARAM.
	29-CU-65	0. 6.00-02	2	AV.RES.PARAM.
	29-CU-65	2.50-03 5.80-02	43	RES.PARAM.
925	40-ZR-90	0. 7.00-02	3	AV.RES.F
PHYS. REV. 165, 1329 (1968)	40-ZR-90	3.80-03 6.80-02	13	RES.PARA
W.M.GOOD, H.KIM (ORNL)	40-ZR-92	0. 5.20-02	3	AV.RES.PARA
TRANSMISSION MEASUREMENT. AREA ANALYSIS. ENRICHED ISOTOPES. RESOLUTION VARIED FROM 2-6 NSEC/M.	40-ZR-92	2.77-03 5.20-02	15	RES.PARAM.
SEE ALSO REFERENCE 2123.	40-ZR-94	0. 4.40-02	3	AV.RES.PARAM.
ORNL-3582 PAGE 82 (1964) J.A.BIGGERSTAFF, W.M.GOOD, H.KIM	40-ZR-94	5.70-03 4.37-02	22	RES.PARAM.
ORNL-3778 PAGE 76 (1965)	40-ZR-96	0. 5.80-02	3	AV.RES.PARAM.
BULL. AM. PHYS. SOC. 9, 167 (1964)	40-ZR-96	2.68-03 5.83-02	22	RES.PARAM.
926	14-SI-28	4.75+00 5.44+00	17	N,P
NUCLEAR PHYS. 41, 298 (1963) R.POTENZA, R.RICAMO, A.RUBBINO (CATANIA, ITALY)	14-SI-28	4.75+00 5.45+00	22	N,P
AND PRIVATE COMMUNICATION (1963)	14-SI-28	5.00+00 5.50+00	13	N,A
RELATIVE CROSS SECTION ARE IN CORRECT RATIO TO EACH OTHER FOR A SPECIFIC ISOTOPE. 50 PERCENT ERROR ON ABSOLUTE CROSS SECTIONS DUE TO UNCERTAINTY IN NORMALIZATION TO PREVIOUS WORK	14-SI-29	3.71+00 5.44+00	36	N,A
	14-SI-29	3.72+00 5.47+00	53	N,A
927	1-H -1	1.95+01 3.04+01	5	TOTAL
ORNL-3778 PAGE 94 (1965) M.L.WEST II, C.M.JONES, H.B.WILLARD (ORNL)	6-C -NAT	1.95+01 3.04+01	5	TOTAL
TRANSMISSIONS MEASUREMENTS. ORNL 5.5 MEV VAN DE GRAAFT				
928	48-CD-NAT	4.23-08 4.23-08	1	COHERT
PHYS. REV. 126, 2262 (1962) G.P.ARNOLD, N.G.NERESON (LASL)	63-EU-NAT	4.23-08 4.23-08	2	COHERT
PHYS. REV. 124, 1848 (1961)				
DIFFRACTION STUDIES				
929	28-NI-58	2.22+00 3.55+00	10	N,P
PHYS. REV. 120, 1319 (1960) L.GONZALEZ, J.RAPAPORT, J.J.VAN LOEF (SANTIAGO)				
CROSS SECTION REDUCED 2 PERCENT AS PER Z. NATURFORSCHG. 17, 275 (1962) A.TRIER				
ACTIVATION METHOD. NORMALIZED AT 3.55 MEV TO A P31(N,P)S131				
CROSS SECTION OF 92.2 PLUS/MINUS 9.0 MILLIBARNS				

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

930 J. EXPTL. THEORET. PHYS. (USSR) 33, 1520 (1957)
V.N.LEVKOVSKI (USSR)
ACTIVATION METHOD

TARGET	EN.	RANGE (MEV)	PTS	DESCRIPTION
20-CA-44	1.40+01	1.40+01	1 N,P	C/S RATIO
22-TI-49	1.40+01	1.40+01	1 N,P	C/S RATIO
30-ZN-66	1.40+01	1.40+01	1 N,P	C/S RATIO
30-ZN-67	1.40+01	1.40+01	1 N,P	C/S RATIO
31-GA-69	1.40+01	1.40+01	1 N,P	C/S RATIO
31-GA-71	1.40+01	1.40+01	1 N,P	C/S RATIO
31-GA-71	1.40+01	1.40+01	1 N,P	C/S RATIO
32-GE-72	1.40+01	1.40+01	1 N,P	C/S RATIO
32-GE-72	1.40+01	1.40+01	1 N,A	C/S RATIO
32-GE-73	1.40+01	1.40+01	1 N,P	C/S RATIO
32-GE-74	1.40+01	1.40+02	1 N,P	C/S RATIO
32-GE-74	1.4+01	1.40+01	1 N,A	C/S RATIO
32-GE-74	1.40+01	1.40+01	1 N,A	C/S RATIO
37-RB-87	1.40+01	1.40+01	1 N,A	C/S RATIO
38-SR-88	1.40+01	1.40+01	1 N,P	C/S RATIO
40-ZR-91	1.40+01	1.40+01	1 N,P	C/S RATIO
40-ZR-92	1.40+01	1.40+01	1 N,P	C/S RATIO
40-ZR-94	1.40+01	1.40+01	1 N,P	C/S RATIO
40-ZR-96	1.40+01	1.40+01	1 N,A	C/S RATIO
48-CD-106	1.40+01	1.40+01	1 N,P	C/S RATIO
48-CD-112	1.40+01	1.40+01	1 N,P	C/S RATIO
48-CD-113	1.40+01	1.40+01	1 N,P	C/S RATIO
48-CD-114	1.40+01	1.40+01	1 N,A	C/S RATIO
58-CE-142	1.40+01	1.40+01	1 N,P	C/S RATIO

931 ORNL-3425 PAGE 32 (1963) R.C.BLOCK (ORNL)
TRANSMISSION MEASUREMENTS ORNL FAST CHOPPER. ENRICHED ISOTOPE
RESOLUTION WAS 10 NSEC/M.

40-ZR-90	3.88-03	1.78-02	6 RES.PARAM.
40-ZR-91	1.82-04	5.50-03	20 RES.PARAM.
40-ZR-92	2.70-03	6.89-03	8 RES.PARAM.
40-ZR-94	2.25-03	2.40-02	12 RES.PARAM.
40-ZR-96	3.01-04	1.54-02	14 RES.PARAM.

932 PHYS. REV. LETTERS 1, 23 (1958) M.J.NURMIA, R.W.FINK
(U. OF ARKANSAS)
ACTIVATION TECHNIQUE. EQUAL DETECTION EFFICIENCIES ASSUMED
FOR (N,ALPHA) AND (N,P) REACTIONS

5-8 -11 1.48+01 1.48+01 1 N.A C/S RATIO

933 PHYS. REV. 86, 565 (1952) H.C.MARTIN, P.C.DIVEN (LASL)
ACTIVATION ANALYSIS

28-NI-58	1.20+01	1.84+01	5 N,2N
29-CU-63	1.11+01	1.83+01	5 N,2N
81-TL-203	1.22+01	1.78+01	4 N,2N

934 ORNL-3425 PAGE 36 (1963) T.FUKETA, F.A.KHAN, J.A.HARVEY
(ORNL)
TRANSMISSION MEASUREMENTS FAST CHOPPER TIME OF FLIGHT.
ENRICHED ISOTOPES. RESOLUTION FROM 11 TO 18 NSEC/M ABOVE
30 EV, AND 1.5 PERCENT BELOW 100 EV.

50-SN-112	0.	1.00-03	2	AV. RES. PARAM.
50-SN-112	2.10-05	41-03	25	RES. PARAM.
50-SN-114	0.	1.00-03	2	AV. RES. PARAM.
50-SN-114	2.77-04	1.98-03	12	RES. PARAM.
50-SN-115	0.	5.00-04	2	AV. RES. PARAM.
50-SN-115	2.92-04	8.66-04	8	RES. PARAM.
50-SN-116	0.	1.00-03	2	AV. RES. PARAM.
50-SN-116	1.11-04	3.40-03	20	RES. PARAM.
50-SN-117	0.	5.00-04	2	AV. RES. PARAM.
50-SN-117	1.32-06	1.38-03	49	RES. PARAM.
50-SN-118	0.	1.00-03	2	AV. RES. PARAM.
50-SN-118	4.57-05	3.45-03	23	RES. PARAM.

REF BIBLIOGRAPHY

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REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
934	50-SN-119	0. 5.00-04	2 AV.RES.PARAM.
	50-SN-119	6.22-06 9.48-04	27 RES.PARAM.
	50-SN-120	0. 1.00-03	2 AV.RES.PARAM.
	50-SN-120	3.64-04 1.71-03	15 RES.PARAM.
	50-SN-122	0. 1.00-03	2 AV.RES.PARAM.
	50-SN-122	1.05-04 6.85-03	12 RES.PARAM.
	50-SN-124	0. 1.00-03	2 AV.RES.PARAM.
	50-SN-124	6.19-05 9.68-03	10 RES.PARAM.
935 NUCLEAR SCIENCE AND ENGINEERING 8, 112 (1960) R.C.BLOCK, G.G.SLAUGHTER, J.A.HARVEY (ORNL) FAST CHOPPER TIME OF FLIGHT NEUTRON SPECTROMETER. QUOTED ERRORS ARE (STATISTICAL) STANDARD DEVIATION ONLY. FOR TABULATIONS OF CROSS SECTION FOR-1129, U234 AND PU240, SEE REF. 948	92-U -233	1.84-08 9.58-08	40 TOTAL
	92-U -235	1.81-08 1.58-07	41 TOTAL
936 A/CONF. 15, 127 (1958) L.M.BOLLINGER, R.E.COTE, G.E.THOMAS PAPER P/667 (ANL) BULL. AM. PHYS. SOC. 1, 187 (1956) R.E.COTE, L.M.BOLLINGER, J.M.LEBLANC, G.E.THOMAS ARGONNE FAST CHOPPER. FISSION CROSS SECTION RELATIVE TO 730 BARNs AT 0.0253 EV. AREA AND SHAPE ANALYSIS. WHEN NECESSARY, GAMMA-GAMMA WAS ASSUMED TO BE EQUAL TO 0.040 EV. WE HAVE CALCULATED ALPHA FROM THE E/A/NU RESULTS. RESOLUTION FOR TRANS- MISSION MEASUREMENT WAS 35 NSEC/M.	94-PU-239	1.38-08 8.87-05	324 TOTAL
	94-PU-239	2.40-08 3.46-02	632 N.FISS
	94-PU-239	1.75-08 3.53-05	130 ALPHA
	94-PU-239	-2.60-07 3.53-05	131 ETA C/S RATIO
	94-PU-239	0. 5.00-05	4 AV.RES.PARAM.
	94-PU-239	-2.66-07 5.26-05	113 RES.PARAM.
937 EANDC(OR)-68L PAGE 10 (1968) L.BREITENHUBER, H.HEIMEL, M.PINTER (AUSTRIA) BOTH ACTIVATION AND REACTIVITY MEASUREMENTS	90-TH-232	4.00-07 1.50+01	1 ABSORP RES.INT.
	90-TH-232	4.00-07 1.50+01	1 N.G RES.INT.
938 NATURE 194, 1272 (1962) R.L.MACKLIN, T.INADA, J.H.GIBBONS (ORNL) NUCLEOSYNTHESIS. MOXON-RAE DETECTOR	50-SN-116	3.00-02 3.00-02	1 N.G
	50-SN-117	3.00-02 3.00-02	1 N.G
	50-SN-118	3.00-02 3.00-02	1 N.G
	50-SN-119	3.00-02 3.00-02	1 N.G
	50-SN-120	3.00-02 3.00-02	1 N.G
	50-SN-122	3.00-02 3.00-02	1 N.G
	50-SN-124	3.00-02 3.00-02	1 N.G
939 ORNL-3425 PAGE 64 (1963) R.C.BLOCK, J.E.RUSSELL, R.W.HOCKENBURY (ORNL) RPI EXPERIMENT. EXTRAPOLATION TO ZERO THICKNESS BULL. AM. PHYS. SOC. 8, 80 (1963) WASH-1042 PAGE 34 (1963) SEE ALSO REFERENCE 2496 RPI, ANNUAL TECHNICAL REPORT FY (TID-16309) PAGE 8 (1962) TID-16309 (1962) RPI, PROGRESS REPORT, JULY-SEPTEMBER (TID-17186) P.10 (1962) TID-17186 (1962) NATURAL ELEMENT AND ENRICHED ISOTOPES. RESOLUTION WAS ABOUT 6 NSEC/M.	26-FE-56	1.15-03 1.15-03	1 RES.PARAM.
	26-FE-56	1.15-03 1.15-03	3 RES.PARAM.
	72-HF-NAT	7.00-05 4.00-04	6 RES.PARAM.
	72-HF-176	6.71-05 6.59-04	16 RES.PARAM.
	72-HF-177	5.00-05 2.00-04	1 AV.RES.PARAM.
	72-HF-177	5.46-05 5.00-04	65 RES.PARAM.
	72-HF-178	5.00-05 2.00-04	1 AV.RES.PARAM.
	72-HF-178	1.04-04 8.64-04	11 RES.PARAM.
	72-HF-179	5.00-05 2.00-04	1 AV.RES.PARAM.
	72-HF-179	5.46-05 4.89-04	53 RES.PARAM.
	72-HF-180	5.00-05 2.00-04	1 AV.RES.PARAM.
	72-HF-180	7.22-05 9.11-04	6 RES.PARAM.
940 ANL-6146 PAGE 1 (1960) L.M.BOLLINGER, R.E.COTE (ANL)	80-HG-199	-2.00-06 1.73-04	4 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
940 SUM-COINCIDENCE GAMMA SPECTRA MEASUREMENTS BULL. AM. PHYS. SOC. 5, 294 (1968) NEUTRON TIME-OF-FLIGHT METHODS. EANDC. SACLAY, PAGE 199(1961) SEE ALSO REFERENCE 2546				
941 PHYS. REV. 140, 1541 (1965) W.E.TUCKER (TEXAS NUCLEAR) TIME OF FLIGHT AND GAMMA-RAY TOTAL ABSORPTION SPECTROSCOPY	20-CA-40 20-CA-40 20-CA-44	3.50+00 5.00+00 4.20+00 5.00+00 3.50+00 5.00+00	25 N,XG 55 N,XG 7 N,XG	D(A) D(A) D(A)
942 NUCLEAR PHYS. 79, 241 (1966) R.W.BENJAMIN, P.S.BUCHANAN, I.L.MORGAN (TEXAS NUCLEAR) TOTAL ABSORPTION ANTI-COINCIDENCE GAMMA RAY SPECTROMETER. SEE ALSO REFERENCE 1730	26-FE-NAT	9.57-01 4.00+00	27 N,XG	
943 LA-4420 (1970) J.W.BARNES, J.G.BERRY, D.W.BERGEN, W.K.BROWN, A.L.CONNER, J.D.CRAMEER, D.R.DIXON, B.C.DIVEN, D.M.DRAKE, B.J.DROPEISKY (LASL) A.N.ELLIS, J.A.FARRELL, R.R.FULLWOOD, A.HEMMENDINGER, J.H.MC NALLY, P.A.SEEGAR, E.R.SHUNK, M.G.SILBERT, K.WOLFSBERG, C.D.BOWMAN, M.S.COOPS, R.W.HOFF, R.W.LOUGHEED POMHAD BOMB SHOT DATA LA-4372 (1970) NUCLEAR PHYS. 156, 609 (1970) NUCLEAR PHYS. 171, 31 (1971) G.F.AUCHAMPAUGH, J.A.FARRELL, D.W.BERGEN PHYS. REV. C, 9, 717 (1974)	92-U -232 92-U -233 92-U -235 92-U -236 92-U -237 93-NP-237 94-PU-238 94-PU-242 94-PU-242 95-AM-243 96-CM-243	4.15-05 2.13-02 1.00-05 2.84+00 1.00-05 2.84+00 3.52-05 2.93+00 4.30-05 1.83+00 3.50-05 2.84+00 3.16-05 2.58+00 5.11-05 2.96+00 5.34-05 7.68-04 4.89-05 2.97+00 9.96-02 2.91+00	2083 N,FISS 2911 N,FISS 3600 N,FISS 1967 N,FISS 1083 N,FISS 2300 N,FISS 2365 N,FISS 1307 N,FISS 39 RES.PARAM. 2195 N,FISS 134 N,FISS	
944 OR IL-2610 PAGE 22 (1958) R.C.BLOCK, G.L.JENKINS, G.W.PARKER, J.L.HARVEY, G.G.SLAUGHTER, P.M.LANTZ, W.J.MARTIN (ORNL) FAST CHOPPER FISSION PRODUCTION MEASUREMENTS RELATIVE TO U238 SIGMA FISSION = 1.13 +- .02 BARNS AT 14.0 MEV. SEE ALSO REFERENCE 974 FOR ZR DATA. SEE ALSO REFERENCE 2965	53-I -127 53-I -129 53-I -129 61-PM-147 61-PM-147 93-NP-237 93-NP-237	4.55-05 1.69-04 4.00-05 1.71-04 6.62-05 1.54-04 1.00-06 5.00-05 1.04-06 5.03-05 2.40-05 4.89-07 3.51-05	5 RES.PARAM. 2 AV.RES.PARAM. 12 RES.PARAM. 2 AV.RES.PARAM. 20 RES.PARAM. 2 AV.RES.PARAM. 32 RES.PARAM.	
945 ORNL-2610 PAGE 14 (1958) H.O.COHN, J.L.FOWLER (ORNL) CORRECTED FOR MULTIPLE SCATTERING BULL. AM. PHYS. SOC. 3, 305 (1958)	4-BE-9 4-BE-9	7.30-01 2.92+00 3.20+00 3.00+00	90 ELASTIC D(A) 4 RES.PARAM.	
946 PRIVATE COMMUNICATION (1969) R.A.HARLAN (IDAHO NUCLEAR) MTR FAST CHOPPER. AREA ANALYSIS. GAMMA WIDTH ASSUMED TO BE 0.025 EV EXCEPT AS NOTED	92-U -236	5.40-06 3.76-04	14 RES.PARAM.	
947 NUCLEAR PHYS. 4B, 152 (1963) R.W.BAUER, J.D.ANDERSON, J.J.CRISTENSEN (LLL) CORRECTED FOR ABSORPTION AND MULTIPLE SCATTERING IN THE NICKEL RINGS	28-NI-NAT 28-NI-NAT	1.40+01 1.40+01 1.40+01 1.40+01	1 ELASTIC 32 ELASTIC D(A)	
948 PRIVATE COMMUNICATION (1959) R.C.BLOCK (ORNL) BULL. AM. PHYS. SOC. 4, 34 (1959) NUCLEAR SCIENCE AND ENGINEERING B, 112 (1960) PILE NEUTRON RESEARCH IN PHYSICS. VIENNA, PAGE 535 (1960)	53-I -129 71-LU-175 71-LU-176 79-AU-197	2.05-08 4.53-08 2.61-06 5.74-05 1.57-06 4.67-05 3.13-05 5.14-04	22 TOTAL 16 RES.PARAM. 20 RES.PARAM. 310 TOTAL	
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

954 NU = 2.871

955 J. NUCLEAR ENERGY 2, 177 (1956) R.RICHMOND, B.T.PRICE (AERE)
FISSION CROSS SECTION NORMALIZED TO 702 PLUS/MINUS 40 BARNS
(PU239) AND 935 PLUS/MINUS 40 BARNS (PU241) AT 0.0253 EV.
TABULATED CROSS SECTION PRESENTED IN
NRDC-81 (1956) P.A.EGELSTAFF
SEE ALSO REFERENCE 1176

94-PU-239 6.80-09 6.90-04 176 N.FISS
94-PU-239 2.97-07 2.68-05 16 RES.PARAM.
94-PU-241 6.15-09 7.51-06 75 N.FISS
94-PU-241 2.55-07 4.45-06 3 RES.PARAM.

956 A/CONF. 4, 216 (1955) YU.V.ADAMCHUK, V.F.GERASIMOV,
B.V.YEFIMOV, V.S.ZENKEVICH, V.I.MOSTOVOI, M.I. PEVZNER,
A.A.CHERNYSHOV, A.P.TSITOVICH (USSR)
FISSION CROSS SECTION NORMALIZED TO 510 BARNS (U235), 540
BARNS (U235), 625 BARNS (PU239) AND 950 BARNS (PU241) AT
0.025 EV

92-U -233 1.17-08 7.43-04 224 N.FISS
92-U -233 1.82-06 1.60-05 8 RES.PARAM.
92-U -235 1.1-08 9.70-04 209 N.FISS
92-U -235 3.00-07 1.80-05 8 RES.PARAM.
93-NP-237 8.40-09 8.70-06 88 TOTAL
93-NP-237 5.00-07 4.00-06 3 RES.PARAM.
94-PU-239 1.22-08 9.72-04 237 N.FISS
94-PU-239 2.95-07 1.37-05 5 RES.PARAM.
94-PU-241 1.17-08 7.43-04 157 N.FISS
95-AM-241 6.05-09 8.21-05 176 TOTAL
95-AM-241 3.00-07 1.90-06 9 RES.PARAM.

957 DOKLADY AKAD. NAUK S.S.S.R. 157, 561 (1964) S.M.DUBROVINA,
V.A.SHIGIN (USSR)
TRANSLATED IN
SOVIET PHYS. DOKLADY 9, 579 (1965)

91-PA-231 1.33-01 1.73+00 48 N.FISS
94-PU-239 1.63-03 1.39+00 42 N.FISS

958 J. NUCLEAR ENERGY 2, 187 (1956) N.J.PATTENDEN (AERE, HARWELL)
SLOW CHOPPER (0.0015--0.17 EV) AND CRYSTAL SPECTROMETER
(0.04--25 EV). TABULATED CROSS SECTION PRESENTED IN
NRDC-81 (1956) P.A.EGELSTAFF
A/CONF. 4, 187 (1955) J.F.RAFFLE, B.T.PRICE

94-PU-239 1.57-09 1.87-05 179 TOTAL
94-PU-239 1.00-08 1.60-05 1 RES.PARAM.
94-PU-240 1.06-06 1.06-06 4 RES.PARAM.

959 J. NUCLEAR ENERGY 6, 303 (1958) P.A.EGELSTAFF, D.B.GAYTHER,
K.P.NICHOLSON (AERE, HARWELL)
HARWELL FAST CHOPPER. RESONANCE PARAMETERS OBTAINED FROM AREA
AND SHAPE ANALYSIS. GAMMA AND FISSION WIDTHS FOR PU-239
OBTAINED BY COMBINING RESULTS WITH FISSION CROSS SECTION OF
RICHMOND AND PRICE (REFERENCE 955). PU240 RESONANCE PARAMETER
OBTAINED ASSUMING GAMMA - GAMMA = 0.040 EV. BEST RESOLUTION
WAS 111 NSEC/M.
A/CONF. 4, 187 (1955) J.F.RAFFLE, B.T.PRICE
FOR PARTIAL TABULATION OF CROSS SECTION. SEE
NRDC-81 P.17 (1956) P.A.EGELSTAFF

94-PU-239 2.25-07 7.93-02 508 TOTAL
94-PU-239 0. 5.10-02 3 AV.RES.PARAM.
94-PU-239 2.96-07 3.22-05 44 RES.PARAM.
94-PU-240 1.10-09 1.37-05 48 TOTAL
94-PU-240 1.05-08 3.78-05 6 RES.PARAM.
94-PU-241 4.31-08 6.80-08 4 RES.PARAM.
94-PU-242 2.67-06 2.67-06 2 RES.PARAM.

960 PHYS. REV. 124, 1142 (1961) H.E.JACKSON, L.M.BOLLINGER (ANL)
OBSERVATION OF CAPTURE GAMMA SPECTRA. NEUTRON RESOLUTION
VARIED FROM ABOUT 40 TO 80 NSEC/M.

48-CD-NAT 2.21-05 2.21-05 1 RES.PARAM.
48-CD-110 8.96-05 8.96-05 1 RES.PARAM.
48-CD-111 2.77-05 2.33-04 1 AV.RES.PARAM.
48-CD-111 2.77-05 2.33-04 8 RES.PARAM.
48-CD-112 6.78-05 2.26-04 1 AV.RES.PARAM.
48-CD-112 6.78-05 2.26-04 3 RES.PARAM.
48-CD-113 2.00-07 2.19-04 1 AV.RES.PARAM.
48-CD-113 2.00-07 2.31-04 10 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
960	48-CD-114	5.67-05 1.20-04	2	RES. PARAM.
	51-SB-121	6.24-06 1.67-04	1	AV. RES. PARAM.
	51-SB-121	6.24-06 1.67-04	12	RES. PARAM.
	51-SB-123	2.16-05 1.93-04	1	AV. RES. PARAM.
	51-SB-123	2.16-05 1.93-04	6	RES. PARAM.
	76-CS-NAT	1.18-05 4.45-05	6	RES. PARAM.
	76-OS-187	9.50-06 4.75-05	4	RFS. PARAM.
	76-OS-189	6.71-06 6.10-05	2	AV. RES. PARAM.
	76-OS-189	6.71-06 6.10-05	19	RES. PARAM.
	78-PT-195	6.69-05 6.74-05	2	RES. PARAM.
961 PHYS. REV. 70, 154 (1946) W.W.HAVENS, JR., L.J.RAINWATER (COLUMBIA U.) TIME-OF-FLIGHT TRANSMISSION MEASUREMENTS BNL-325 2ND ED. SUPPL.2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCSC.	3-LI-NAT	1.75-08 6.00-05	35	TOTAL
	3-LI-NAT	2.53-08 2.53-08	1	ABSORP
	47-AG-NAT	1.48-08 9.80-05	58	TOTAL
	47-AG-NAT	5.10-06 4.30-05	3	RES. PARAM.
	49-IN-NAT	5.10-08 7.20-07	14	TOTAL
	49-IN-NAT	1.44-06 1.44-06	3	RES. PARAM.
	49-IN-115	1.44-06 1.44-06	2	RES. PARAM.
	51-SB-NAT	1.47-08 2.09-05	57	TOTAL
	51-SB-NAT	6.30-06 1.92-05	2	RES. PARAM.
	79-AU-197	4.80-06 4.80-06	1	RES. PARAM.
	80-HG-NAT	4.96-07 5.81-04	28	TOTAL
	80-HG-199	2.00-06-2.00-06	1	RES. PARAM.
962 PHYS. REV. 82, 560 (1951) C.T.HIBDON, C.D.MUEHLHAUSE, G.R.RINGO, T.R.ROBILLARD (ANL) NEUTRON REFLECTION MEASUREMENT. THE BOUND LEVEL PARAMETERS ARE THOSE FOR J=0	80-HG-NAT	1.95-03 1.95-05	1	ELASTIC
	80-HG-NAT	3.70-09 2.42-08	3	COHER
	60-HG-NAT	2.50-08 2.50-08	1	ELASTIC SPECT. AV.
	80-HG-199	2.00-06-2.00-06	4	RES. PARAM.
963 CEA-R-2552 (1964) A.MICHAUDON (SACLAY) TIME-OF-FLIGHT TECHNIQUE. DATA OBTAINED FROM BNL SIGMA CENTER	92-U -235	7.49-06 7.24-04	5769	TOTAL
	92-U -235	3.78-07 5.46-05	1496	N,FISS
964 IDO-16394 PAGE 51 (1957) O.D.SIMPSON, R.G.FLUHARTY (MYR) TIME-OF-FLIGHT MEASUREMENT. DATA OBTAINED FROM BNL SIGMA CENTER	94-PU-239	5.48-06 1.20-04	742	TOTAL
965 A/CONF. 4, 224 (1955) S.YA.NIKITIN, N.D.GALANINA, K.G.IGNAT'EV, V.V.OKOROKOV, S.I.SUKHORUCHKIN (USSR) TIME-OF-FLIGHT METHOD. DATA OBTAINED FROM BNL SIGMA CENTER PU-239 CROSS SECTION AT 1 EV IGNORED BECAUSE OF PU-240 CONTAMINANT IN SAMPLE	92-U -233	1.00-08 1.00-04	133	TOTAL
	92-U -233	1.70-06 2.10-05	9	RES. PARAM.
	92-U -235	1.00-08 8.60-05	132	TOTAL
	92-U -235	3.00-07 3.40-05	11	RES. PARAM.
	94-PU-239	1.25-08 1.10-04	135	TOTAL
	94-PU-239	2.95-07 9.60-05	14	RES. PARAM.
966 ATOMNAYA ENERGIYA 16, 110 (1964) K.O.IGNAT'EV, I.V.KIRPICHNIKOV, S.I.SUKHORUCHKIN (ITEP,MOSCOW) TRANSLATIONS SOVIET J. ATOMIC ENERGY 10, 121 (1964) AEC-TR-5917 (1963) PRIVATE COMMUNICATION (1964) KIRPICHNIKOV VIA IAEA VIENNA AND BNL. ETA(235) NORMALIZED TO 2.07 AT 0.0253 EV. FISSION CROSS SECTIONS (235) NORMAL TO 10 ETA MEASUREMENT. FISSION CROSS SECTIONS (PU239) NORMALIZED AT THE 7.84 EV RESONANCE (ETA/NU)	92-U -235	3.05-08 2.01-05	731	N,FISS
	92-U -235	3.02-08 1.24-06	58	ETA
	92-U -235	3.02-08 1.89-05	497	ALPHA
	92-U -235	2.00-06 1.94-05	1	AV. RES. PARAM.
	92-U -235	2.00-06 1.94-05	50	RES. PARAM.
	94-PU-239	3.89-05 1.06-04	153	TOTAL
	94-PU-239	3.10-05 9.86-05	647	N,FISS
	94-PU-239	0. 7.00-05	1	AV. RES. PARAM.
	94-PU-239	7.84-06 9.55-05	62	RES. PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

966 0.465). INTERFERENCE AND AREA ANALYSIS ON THE RESONANCES EXCEPT GAMMA-GAMMA ASSUMED TO BE 0.040 EV FOR BOTH ISOTOPES. TIME OF FLIGHT TECHNIQUE. FOR U235, THE FISSION CROSS SECTION DATA BETWEEN 0.916 AND 8.084 EV AS WELL AS THE ETA (AND ALPHA, TAKING NU=2.430) RESULTS BETWEEN 0.0302 AND 1.245 EV WERE OBTAINED BY THE PRIVATE COMMUNICATION. SIMILARLY, 19 DATA POINTS FOR PU239 FISSION CROSS SECTIONS BETWEEN 3.17 AND 30.15 EV OBTAINED BY THE PRIVATE COMMUNICATION. ALL OTHER RESULTS OBTAINED FROM BNL SIGMA CENTER. RESOLUTION VARIED FROM 20 TO 800 NSEC/M OVER THE VARIOUS ENERGY RANGES.

967 PRIVATE COMMUNICATION (1956) B.R.LEONARD, JR. (HANFORD) VIA BNL SIGMA CTR. HANFORD CRYSTAL SPECTROMETER. NORMALIZED TO A FISSION CROSS SECTION OF 750 BARNs AT 2200 MILLIBARNs M/SEC. SHAPE AND WING ANALYSIS
A/CONF. 4, 193 (1955)

94-PU-239 5 C.-09 2.50-06 143 N.FISS
94-PU-239 -1.90-07 2.99-07 4 RES.PARAM.

968 A/CONF. 4, 235 (1955) J.M.AUCLAIR, M.GALULA, P.HUBERT, B.JACROT, R.JOLY, F.NETTER, G.VENDRYES (CEA, FRANCE) TIME-OF-FLIGHT SPECTROMETER. FISSION CROSS SECTION FOR PU-239 NORMALIZED TO 2200 M/SEC VALUE OF 750 BARNs U-233 FISSION CROSS SECTION AT 2200 M/SEC RELATIVE TO THE ABOVE VALUE FOR PU-239. COMPT. REND. 240, 2306 (1955) J.M.AUCLAIR, C.BRETON, P.HUBERT, R.JOLY, J.TACHON

92-U -233 4.50-09 9.60-07 18 N.FISS
92-U -233 2.50-08 2.50-08 1 N.FISS SPECT.AV.
92-U -233 1.80-08 1.20-05 6 RES.PARAM.
92-U -235 1.45-09 1.00-04 196 N.FISS
92-U -235 2.90-07 1.40-05 6 RES.PARAM.
92-U -236 2.50-08 2.50-08 1 N.G SPECT.AV.
94-PU-239 4.30-09 9.60-07 56 N.FISS
94-PU-238 2.97-07 1.50-05 5 RES.PARAM.

969 CU-100 (1952) (COLUMBIA) COLUMBIA UNIVERSITY QUARTERLY REPORT TRANSMISSION MEASUREMENTS. (REPORT GIVEN 1 NUMBER ONLY BECAUSE IT IS TOO OLD)

5-B -NAT 1.20-08 2.82-06 31 TOTAL
44-RU-NAT 1.30-08 7.40-03 76 TOTAL
47-A5-109 4.10-06 6.62-06 24 TOTAL
48-CD-NAT 2.40-08 2.80-07 29 TOTAL
48-CD-NAT 1.78-07 1.76-07 2 RES.PARAM.

970 PRIVATE COMMUNICATION (1954) C.T.HIBDON, A.S.LANGSDORF, JR. (ANL) VIA BNL SIGMA CENTER

40-ZR-NAT 8.50-04 9.60-03 22 TOTAL
83-B1-209 8.50-04 5.50-02 78 TOTAL

971 NUCLEAR PHYS. 102, 92 (1967) J.CABE, M.LAURAT, P.YVON, G.BARDOLLE (BRUYERES LE CHATEL) TRANSMISSION WITH INSCATTERING CORRECTIONS FOR TOTAL CROSS SECTIONS. ANGULAR DISTRIBUTION MEASUREMENTS USED PULSED VAN DE GRAFF AND CONVENTIONAL SCATTERING GEOMETRY WITH STILBENE DETECTORS

23-V -NAT 4.10-01 1.20+00 188 TOTAL
25-MN-55 8.00-01 1.20+00 91 TOTAL
28-FE-NAT 3.48-01 1.19+00 205 TOTAL
26-FE-56 6.30-01 9.70-01 83 ELASTIC DIA)
27-CO-59 4.90-01 1.20+00 186 TOTAL

972 ANALES FISICA 63, 161 (1967) F.MANERO (SPAIN) TRANSMISSION MEASUREMENT

24-CR-NAT 3.19+00 5.21+00 45 TOTAL
33-A5-75 3.30+00 5.21+00 44 TOTAL

973 PHYS. REV. 140, 1277 (1965) H.A.GRENCH (LOCKHEED) NI-64 (N.GAMMA) NI-65 RELATIVE TO AU-197 (N.GAMMA) AU-198 ACTIVATION TECHNIQUE. BULL. AM. PHYS. SOC. 6, 430 (1961)

28-NI-64 1.76-01 1.95+00 18 N.G

974 PRIVATE COMMUNICATION (1959) J.A. HARVEY (ORNL)

40-ZR-91 2.96-04 2.96-04 1 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
974 VIA BNL SIGMA CENTER	40-ZR-93 43-TC-99	1.10-04 1.10-04 2.04-06 1.30-01	2 110	RES.PARAM. TOTAL
975 PRIVATE COMMUNICATION (1958) H.HAZARI, F.ALBA (MEXICO) VIA BNL SIGMA CENTER	11-NA-23 38-SR-NAT 0-ZR-NAT 81-TL-NAT	1.62+01 1.62+01 1.62+01 1.62+01 1.62+01 1.62+01 1.50+01 1.62+01	1 1 1 2	TOTAL TOTAL TOTAL TOTAL
976 PRIVATE COMMUNICATION (1964) R.E.KAY, M.J.HARRIS (MANCHESTER) VIA BNL SIGMA CENTER	46-CD-NAT	2.53-08 2.53-00	1	ABSORP
977 PRIVATE COMMUNICATION (1958) R.P.SCHUMAN, E.H.TURK (MTR) VIA BNL SIGMA CENTER	28-NI-65	2.5-08 2.53-08	1	N.D
978 TRANS. AM. NUCLEAR SOC. 7, 268 (1964) E.E.CARROLL JR., O.G.SMITH, R.W.STOOKSBERRY (BETTS) ACTIVATION ANALYSIS NUCLEAR SCIENCE AND ENGINEERING 25, 285 (1966)	26-FE-54 40-ZR-90 40-ZR-91	3.55+00 6.02+00 3.55+00 1.51+01 4.32+00 6.02+00	5 11 4	N.P N.P N.P
979 AUSTRALIAN J. PHYS. 20, 617 (1967) A.R.DEL MUSGROVE (AUSTRALIA) RESULTS TABULATED HERE ARE A SIMULTANEOUS SINGLE LEVEL FIT TO THE TOTAL CROSS SECTION DATA OF PATTERSON AND HARVEY (SEE REFERENCE 413) AND THE FISSION CROSS SECTION OF NIFENECKER (REFERENCE 1240). THIS LATTER DATA REQUIRED AN ENERGY CORRECTION. IN ADDITION, A MULTILEVEL SINGLE CHANNEL ANALYSIS IS ALSO REPORTED IN THE REFERENCE	92-U -233 92-U -233	-5.90-07 1.03-05 -5.90-07 1.03-05	2 42	AV.RES.PARAM. RES.PARAM.
980 PRIVATE COMMUNICATION (1953) E.R.WIBLIN (HARWELL) VIA BNL SIGMA CENTER	28-NI-NAT	2.30-06 9.20-03	100	TOTAL
981 PRIVATE COMMUNICATION (1955) R.S.CARTER VIA BNL SIGMA CENTER. BNL FAST CHOPPER	40-ZR-NAT 51-SB NAT 78-PT-NAT	1.74-04 5.64-04 5.50-06 3.09-05 9.21-06 1.98-04	27 62 147	TOTAL TOTAL TOTAL
982 PHYS. REV. 107, 525 (1957) M.S.SMITH, R.R.SMITH, E.O.JOKI, J.E.EVANS (MTR) MTR CRYSTAL SPECTROMETER PHYS. REV. 99, 611 (1955)	93-NP-237 93-NP-237 93-NP-237	2.01-08 2.87-06 4.89-07 1.48-06 4.89-07 1.48-06	310 2 5	TOTAL AV.RES.PARAM. RES.PARAM.
983 ATOMNAYA ENERGIYA 14, 177 (1963) V.M.PANKRATOV (USSR) TIME OF FLIGHT SPECTROMETER. NORMALIZATION FOR TH-232, U-235, NP-237 AND U-238 WAS 0.135, 1.23, 1.62 AND 1.55 BARNS, RESPECTIVELY, AT 3.4 MEV. THE U-233 CROSS-SECTION WAS NORMALIZED AT 10. MEV.	90-TH-232 92-U -235 92-U -235 92-U -238 93-NP-237	5.40+00 3.65+01 9.05+00 2.16+01 6.10+00 2.57+01 5.10+00 3.68+01 2.50+00 2.64+01	39 10 30 35 29	N.FISS N.FISS N.FISS N.FISS N.FISS
984 BNL-325, 2-3 4 (1962) J.N.BRADBURY, L.STEWART (LASL) CROSS-SECTION CALCULATED BY DETAILED BALANCE BULL. AM. PHYS. SOC. 3, 417 (1958)	2-ME-3	4.36+00 1.40+01	8	N.D
985 UCRL-12324 (1965) R.M.SCHECTMAN, J.D.ANDERSON (LRL) TIME OF FLIGHT NO CORRECTIONS MADE FOR MULTIPLE SCATTERING.	13-AL-27 26-FE-NAT	1.40+01 1.40+01 1.40+01 1.40+01	1 3	NUCLEAR TEMP. NUCLEAR TEMP.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERCD)

REF. NO. = 985

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
985 ANGULAR DISTRIBUTIONS APPEAR TO BE ISOTROPIC BULL. AM. PHYS. SOC. 10, 498 (1965)	28-NI-NAT 29-CU-NAT 48-CD-NAT 50-ZN-NAT 82-P8-NAT 83-BI-209	1.40-01 1.40-01 1.40-01 1.40-01 1.40-01 1.40-01 1.40-01 1.40-01 1.40-01 1.40-01 1.40-01 1.40-01	3 3 3 3 1 1	NUCLEAR TEMP. NUCLEAR TEMP. NUCLEAR TEMP. NUCLEAR TEMP. NUCLEAR TEMP. NUCLEAR TEMP.
986 PHYS. REV. 128, 2739 (1962) K. ILAKOVAK, L.G. KUO, M. PETRAVIC, I. CLAUS, P. THOMAS, G.R. SATCHLER (YAGREB AND ORNL) CROSS SECTION NORMALIZED TO N-P ELASTIC SCATTERING. COUNTER TELESCOPE TECHNIQUE	23-V -5	1.44-01 1.44-01	28	N.D. D(1)
987 BULL. AM. PHYS. SOC. 11, 28 (1966) H.M. GOOD, R.C. BLOCK (ORNL) TIME OF FLIGHT METHOD, CROSS SECTION DATA OBTAINED BY PRIVATE COMMUNICATION FROM H.M. GOOD IN 1966. ENRICHED ISOTOPES. RESOLUTION WAS ABOUT 2 PERCENT.	23-V -50 P3-V -50	3.42-03 9.03-02 6.20-03 4.07-02	1298 28	TOTAL RES. PARAM.
988 PRIVATE COMMUNICATION (1964) C.A. UTLEY (HARWELL) VIA BNL SIGMA CENTER. TIME OF FLIGHT METHOD. 40.4 B/ATOM SAMPLE USED WHEN CROSS-SECTION LESS THAN 75 BARNS 223 B/ATOM SAMPLE USED FOR CROSS-SECTION GREATER THAN 75 BARNS. RESOLUTION WAS 2.6 NSEC/M. EANDC(UK)-40L (1964)	94-PU-239 94-PU-239 94-PU-239	3.72-05 4.70-04 1.50-04 1.15-01 0. 1.00-02	4090 24 16	TOTAL TOTAL SPECT. AV. AV. RES. PARAM.
989 MW-44525 PAGE 47 (1958) B.R. LEONARD, JR., E.J. SEPI, H.J. FRIESEN (MANFORD) DIRECT MEASUREMENT. DATA OBTAINED FROM BNL SIGMA CENTER. WE HAVE OBTAINED ALPHA BY TAKING ETA (0.0253 EV) = 2.114 AND NU = 2.071	94-PU-239 94-PU-239 94-PU-239	2.53-08 5.00-07 2.53-08 5.00-07 2.53-08 5.00-07	22 30 30	TOTAL ETA ALPHA
990 J. NUCLEAR ENERGY 3, 177 (1956) N. PALEVSKY, D.J. HUGHES, R.L. ZIMMERMAN, R.M. EISEBERG (BNL) DIRECT MEASUREMENT. DATA OBTAINED FROM BNL SIGMA CENTER. ETA PU-239 NORMALIZED TO 2.03 AT 0.0253 EV. ETA FOR U233 NORMALIZED TO 2.31 AT 0.0253 EV. ALPHA FOR U233 OBTAINED FROM ETA BY ASSUMING NU=2.92. WE HAVE DETERMINED ALPHA BY TAKING NU = 2.430 AND 2.071 FOR U235 AND PU239, RESPECTIVELY	92-U -233 92-U -233 92-U -235 92-U -235 94-PU-239 94-PU-239	1.04-08 9.00-08 1.04-08 9.90-08 1.02-08 1.89-07 1.02-08 1.69-07 1.75-08 6.80-07 1.75-08 6.80-07	14 14 20 20 28 28	ETA ALPHA ETA ALPHA ETA ALPHA
991 CROP-458 (1951) P.R. TUNNICLIFFE (CHALK RIVER) CRYSTAL SPECTROMETER. APPARENT PU239 RENORMALIZATION IS TO 744 BARNS AT 0.0253 EV. DATA OBTAINED AND RENORMALIZED BY BNL SIGMA CENTER TO 525 BARNS AT 0.0253 EV	92-U -233 94-PU-239 94-PU-239	1.06-08 4.06-05 1.06-08 5.40-07 3.00-07 3.00-07	113 78 2	N.FISS N.FISS RES. PARAM.
992 AERE-PR/NP-6 PAGE 6 (1964) G.O. JAMES, D.A. J. ENDACOTT (AERE) TIME OF FLIGHT EXPERIMENT. DATA OBTAINED FROM BNL SIGMA CENTER. EANDC(UK)-28U (NRDC-139) P. 14 (1963) EANDC-33U P. 14 (1963)	94-PU-235	1.01-03 1.49-02	99	N.FISS
993 ATOMNAYA ENERGIIA 13, 365 (1962) G.N. SMIRENKO, V.G. NESTEROV, I.I. BONDARENKO (USSR)	92-U -233 92-U -235	2.80-01 2.63-00 3.00-01 2.62-00	42 53	N.FISS N.FISS

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF. NO. = 993

07/04/78

EC51L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO. = 993

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
993	TRANSLATED IN SOVIET J. ATOMIC ENERGY 13, 974 (1963) IONIZATION CHAMBER. DATA OBTAINED FROM BNL SIGMA CENTER. NORMALIZATION WAS TO U238 FISSION CROSS SECTION OF .585 BARNs AT 2.5 MEV. SEE ALSO REFERENCE 2195	94-PU-239	2.90-01 2.53+00	44	N.FISS
994	J. PHYS. RADIUM 17, 565 (1956) F.NETTER, J.JULIEN, C.CORGE, R.BALLINI (SACLAY) IONIZATION CHAMBER. CROSS-SECTION OBTAINED FROM BNL SIGMA CENTER. PU-239 CROSS SECTION NORMALIZED TO 2.04 BARNs AT 1.8 MEV. CEA-1913 (1981) F.NETTER	92-U -233 94-PU-239	7.00-01 3.36+00 6.80-01 3.36+00	34 40	N.FISS N.FISS
995	PRIVATE COMMUNICATION (1955) M.MALEVSKY (BNL) VIA BNL SIGMA CENTER	82-PB NAT 94-PU-239 94-PU-239	1.82-10 5.87-09 1.14-09 6.55-07 2.95-07 2.95-07	60 174 2	TOTAL TOTAL RES.PARAM.
996	ORNL-3582 PAGE 58 (1964) D.PAY, K.D.PEARCE, J.A.HARVEY, G.O.SLAUGHTER (ORNL) FAST CHOPPER TIME OF FLIGHT SPECTROMETER. RESOLUTION WAS ABOUT 1 PERCENT.	74-W -182 74-W -183 74-W -185	4.16-06 2.10-05 7.67-06 2.70-05 1.88-05 1.88-05	10 9 6	RES.PARAM. RES.PARAM. RES.PARAM.
997	ORNL-3582 PAGE 75 (1964) J.A.BIGGERSTAFF, J.H.GIBBONS, W.H.GOOD, R.L.MACKLIN, P.J.PASHA (ORNL) TRANSMISSION METHOD	82-P9-208	7.70-02 7.70-02	1	RES.PARAM.
998	PHYS. REV. 136, 695 (1964) R.L.MACKLIN, P.J.PASHA, J.H.GIBBONS (ORNL) TIME OF FLIGHT. RESOLUTION VARIED FROM 3-10 NSEC/M. SIGMA A NORMALIZED TO SIGMA C (TA) USING RECIPE SIGMA C (TA) = B600 EXP (-.897 LN E) ORNL-3582 PAGE 75 (1964) J.A.BIGGERSTAFF, J.H.GIBBONS, W.H.GOOD, R.L.MACKLIN, P.J.PASHA ENRICHED ISOTOPES. WE HAVE USED THE SPIN ASSIGNMENTS FROM REF. 3081 FOR PB206 AND PB207 TO DETERMINE THE TOTAL AND CAPTURE WIDTHS. IN DETERMINING THE RADIATION WIDTH, WE HAVE TAKEN J AS 1/2 FOR THE 16.5 KEV LEVEL AND AS 3/2 FOR THE 25.1 LEVEL IN PB206. AS PER REF. 3081, SIMILARLY, THE 16.7 AND THE 29 KEV LEVELS IN PB207 WERE ASSIGNED J AS 2 IN DETERMINING Q GAMMA N. WE HAVE USED THE SPINS FROM REF. 3081, AS NEED BE, AND HAVE ASSUMED THE RADIATION WIDTH TO BE MUCH SMALLER THAN THE NEUTRON WIDTH.	16-S -32 16-S -32 26-FE-56 26-FE-56 26-FE-57 26-FE-57 82-PB-206 82-PB-206 82-PB-207 82-PB-207 82-PB-207 82-PB-207 82-PB-207 82-PB-207 RADIO LEAD	1.20-02 5.00-02 3.00-02 3.00-02 1.40-02 5.00-02 2.20-02 5.00-02 1.12-02 5.93-02 1.27-02 2.70-02 1.38-02 4.80-02 1.65-02 7.50-02 1.05-02 5.93-02 1.38-02 5.80-02 1.67-02 4.12-02 1.03-02 0.45-02	30 2 33 8 47 5 42 21 143 38 19 137	ABSORP RES.PARAM. ABSORP RES.PARAM. N.O RES.PARAM. N.O RES.PARAM. TOTAL ABSORP TOTAL RES.PARAM. TOTAL
999	PRIVATE COMMUNICATION (1962) C.CORGE (SACLAY) VIA BNL SIGMA CENTER BULL. AM. PHYS. SOC. 7, 269 (1962)	40-ZR-NAT 42-MO-NAT	1.37-03 4.18-03 2.75-04 1.47-03	331 681	TOTAL TOTAL
1000	PHYS. OF FAST AND INTERMED. REACTORS. VIENNA, SM-18/65 (1961) M.N.NIKOLAEV, V.V.FILIPPOV, I.I.BONDARENKO (USSR) VOLUME 1, PAGE 66. TRANSMISSION MEASUREMENT. AVERAGE CROSS SECTIONS PER ENERGY INTERVAL	13-AL-27 16-S -NAT 26-FE-NAT 28-NI-NAT 29-CU-NAT	4.50-01 2.25+00 1.05+00 2.25+00 4.50-01 2.55+00 4.50-01 2.55+00 4.50-01 2.25+00	7 5 3 8 6	TOTAL TOTAL TOTAL TOTAL TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO. = 1000

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1000

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
1000	40-ZR-NAT	4.50-01 2.55+00	8 TOTAL
	41-NB-93	4.50-01 2.55+00	8 TOTAL
	42-MO-NAT	4.50-01 2.75+00	8 TOTAL
	82-PB-NAT	4.50-01 2.55+00	8 TOTAL
	83-BI-209	4.50-01 2.55+00	8 TOTAL
	90-TH-232	4.50-01 2.25+00	7 TOTAL
1001 ORNL-3085 PAGE 42 (1961) G.G.SLAUGHTER, J.A.HARVEY, R.C.BLOCK (ORNL) TIME OF FLIGHT. FAST CHOPPER. RESOLUTION VARIED FROM 12-67 NSEC/M.	93-NP-237	4.29-06 1.01-04	69 RES.PARAM.
	95-AM-241	3.05-07 4.32-05	53 RES.PARAM.
1002 PRIVATE COMMUNICATION (1954) C.T.HIBDON, A.S.LANSDORF, JR. (ANL) VIA BNL SIGMA CENTER	3-LI-7	1.00-03 3.40-01	118 TOTAL
	4-BE-9	1.15-03 6.45-02	59 TOTAL
	5-B-NAT	1.70-04 1.58-01	112 TOTAL
	28-NI-NAT	1.70-04 2.20-01	200 TOTAL
1003 NUOVO CIMENTO 44, 455 (1966) U.FASOLI, D.TONIOLO, G.ZACCH F.FABIANI (PADUA) VAN DE GRAFF ACCELERATOR. INSCATTERING WAS LESS THAN 2 PERCENT AND NOT CARRIED OUT INFN/BE-65/9 (ISTITUTO NAZIONALE DI FISICA NUCLEARE) (1965)	11-NA-23	5.40+00 8.51+00	115 TOTAL
	13-AL-27	5.48+00 7.35+00	71 TOTAL
	14-SI-NAT	5.42+00 8.52+00	93 TOTAL
	15-P-31	5.37+00 8.54+00	125 TOTAL
	16-S-NAT	4.90+00 8.54+00	131 TOTAL
1004 PRIVATE COMMUNICATION (1950) P.A.EGELSTAFF, B.T.TAYLOR (AERE, HAWELL) VIA BNL SIGMA CENTER	40-ZR-NAT	1.50-07 8.00-08	18 TOTAL
	ZR02	1.50-07 8.00-08	18 TOTAL
1005 NUCLEAR PHYS. 13, 525 (1959) J.R.BIRD, H.C.MOXON, F.W.K.FIRK (AERE) TIME OF FLIGHT TECHNIQUE FOR TOTAL CROSS SECTION MEASUREMENT. RESOLUTION WAS 30 NSEC/M. AREA ANALYSIS AND ALSO MINIMUM TRANSMISSION METHOD.	80-HG-NAT	3.05-05 2.03-03	368 TOTAL
	80-HG-198	9.00-05 9.00-05	4 RES.PARAM.
	80-HG-199	3.35-05 1.75-04	15 RES.PARAM.
	80-HG-201	4.30-05 2.09-04	13 RES.PARAM.
1006 ACTA CRYST. 26, 376 (1970) L.A.COPLEY	37-RB-NAT	2.53-08 2.53-08	1 COHERT
1007 PR-P-53 (AECL-1542) PAGE 6 (1962) R.G.HART, R.W.JONES (CHALK RIVER) ALPHA MEASURED IN NRU REACTOR SPECTRA WAS 0.179 PLUS/MINUS 0.003. RESULTS THEN SPECTRUM CORRECTED TO 2200 M/S	92-U-235	2.53-08 2.53-08	1 ALPHA
1008 PR-P-53 (AECL-1542) PAGE 7 (1962) W.G.CROSS, R.L.CLARKE (CHALK RIVER) ACTIVATION ANALYSIS. ERRORS ARE ABSOLUTE.	26-FE-54	1.35+01 1.47+01	3 N,P
	26-FE-54	1.35+01 1.47+01	3 N,A
	26-FE-56	1.35+01 1.47+01	3 N,P
	28-NI-53	1.35+01 1.47+01	3 N,P
	28-NI-60	1.45+01 1.45+01	1 N,P
1009 EANDC(CAN)-16 PAGE 1 (1963) W.G.CROSS (CHALK R.) ACTIVATION ANALYSIS. CROSS SECTION RELATIVE TO 115 MILLIBARNS FOR AL-27 (N,ALPHA) REACTION. THE BRANCHING RATIOS, CO-58 M / CO-58 O, ARE PRELIMINARY RESULTS BULL. AM. PHYS. SOC. 7, 335 (1962) W.G.CROSS, R.L.CLARKE, K.MORIN, G.SLINN, N.H.AHMED, K.BEO	22-TI-46	1.47+01 1.47+01	1 N,ZN
	22-TI-46	1.45+01 1.45+01	1 N,P
	22-TI-47	1.45+01 1.45+01	1 N,P
	22-TI-47	1.45+01 1.45+01	1 ACTIVAT
	22-TI-48	1.45+01 1.45+01	1 N,P
	22-TI-48	1.45+01 1.45+01	1 N,A

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF. NO. = 1009

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1009

REF BIBLIOGRAPHY

1009

TARGET EN. RANGE (MEV) PTS DESCRIPTION

22-TI-48	1.45+01 1.45+01	1	ACTIVAT
22-TI-49	1.45+01 1.45+01	1	N,P
22-TI-49	1.45+01 1.45+01	1	ACTIVAT
22-TI-50	1.45+01 1.45+01	1	N,P
22-TI-50	1.45+01 1.45+01	1	N,A
26-FE-54	1.45+01 1.45+01	1	N,2N
26-FE-54	1.45+01 1.45+01	1	N,P
26-FE-54	1.45+01 1.45+01	1	N,P
26-FE-54	1.45+01 1.45+01	1	N,A
26-FE-54	1.45+01 1.45+01	1	N,A
26-FE-56	1.45+01 1.45+01	1	N,P
26-FE-56	1.45+01 1.45+01	1	N,P
26-FE-57	1.45+01 1.45+01	1	N,P
27-CO-58	1.45+01 1.45+01	1	N,2N
28-NI-58	1.45+01 1.45+01	1	N,2N
28-NI-58	1.45+01 1.45+01	1	N,2N
28-NI-58	1.45+01 1.45+01	1	N,P
28-NI-58	1.45+01 1.45+01	1	N,P
28-NI-58	1.45+01 1.45+01	1	N,P
28-NI-58	1.45+01 1.45+01	1	ACTIVAT
28-NI-58	1.45+01 1.45+01	1	ACTIVAT
28-NI-58	2.70+00 2.00+01	4	N,P
28-NI-60	1.45+01 1.45+01	1	N,P
28-NI-60	1.45+01 1.45+01	1	N,P
28-NI-60	1.45+01 1.45+01	1	N,P
28-NI-61	1.45+01 1.45+01	1	N,P
28-NI-61	1.45+01 1.45+01	1	N,P
28-NI-62	1.45+01 1.45+01	1	N,P
28-NI-62	1.45+01 1.45+01	1	N,P
28-NI-62	1.45+01 1.45+01	1	N,P
28-NI-62	1.45+01 1.45+01	1	ACTIVAT

C/S RATIO

C/S RATIO

1010 EANDC(CAN)-16 PAGE 6 (1963) T.A.EASINOOD, F.BROWN (CHALK R.)
ACTIVATION ANALYSIS IN NRX REACTOR. DATA REDUCED BY USE OF
THE HESTCOTT CONVENTION. RESONANCE INTEGRALS ARE ABOVE CD
CUTOFF AND INCLUDE THE 1/V CONTRIBUTION. RESULTS ARE
PRELIMINARY. THERE IS ALSO PVT. COMM. (1965)

36-KR-80	2.50-08 2.50-08	1	N,G	SPECT.AV.
36-KR-04	2.50-08 2.50-08	1	N,G	SPECT.AV.
54-XE-124	2.53-08 2.53-08	2	N,G	
54-XE-124	5.00-07 1.50+01	2	N,G	RES.INT.
54-XE-129	2.50-08 2.50-08	1	ABSORP	SPECT.AV.
54-XE-131	2.50-08 2.50-08	1	ABSORP	SPECT.AV.
54-XE-129	2.53-08 2.53-08	1	N,G	
54-XE-132	2.50-08 2.50-08	2	N,G	SPECT.AV.
54-XE-132	5.00-07 1.50+01	1	N,G	RES.INT.
54-XE-134	2.53-08 2.53-08	2	N,G	
54-XE-134	2.50-08 2.50-08	1	N,G	SPECT.AV.
54-XE-134	5.00-07 1.50+01	2	N,G	RES.INT.

1011 PRIVATE COMMUNICATION (1965) F.D.BROOKS (HARWELL)
VIA BNL SIGMA CENTER. CORRECTED FOR U-238 (6 PERCENT) AND
U-234 (1 PERCENT) UP TO 70 EV. ETA NORMALIZED TO 2.077 AT
2200 M/SEC. ALPHA CALCULATED FROM ETA, ASSUMING NU=2.42.
U-233 AND PU-239 DATA OBTAINED FROM M.G.SOWERBY (1965). WE
HAVE CALCULATED FOR U233 AND U235, SIGMA IN GAMMA = SIGMA
TOTAL - SIGMA FISSION - SIGMA SCATTERING (A CONSTANT VALUE).

92-U-233	3.50-08 1.10-05	673	TOTAL
92-U-233	3.50-08 1.10-05	673	N,FISS
92-U-233	3.50-08 1.10-05	650	N,G
92-U-233	3.50-08 1.10-05	673	ETA
92-U-233	3.50-08 1.10-05	650	ALPHA
92-U-235	3.50-08 2.00-04	241	TOTAL
92-U-235	3.50-08 2.00-04	242	N,FISS

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-161 ***

REF.NO.=1011

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1011

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1011 THIS NEGLECTS RESONANCE SCATTERING. SIGMA SCATTERING WAS TAKEN AS 12. +- 2, AND 11.5 +- 1. BARN. FOR U233 AND U235, RESPECTIVELY. THE ERROR ON THE CAPTURE CROSS SECTION IS THE ROOT MEAN SQUARE VALUE AERE-M-1670 (1966) EANDC(UK)-42L AND AMENDMENT 1 (1964) AERE-M-1709 (1966)	92-U -235 92-U -235 92-U -235 94-PU-239 94-PU-239 94-PU-239 94-PU-239	3.50-08 2.00-04 3.50-08 2.00-04 3.50-08 1.99-04 1.60-06 1.02-05 1.60-06 1.02-05 3.90-08 1.10-05 3.90-08 1.10-05	2399 N,G 2422 ETA 2336 ALPHA 337 TOTAL 337 N,FISS 553 ETA 517 ALPHA	
1012 NUCLEAR PHYS. 39, 300 (1962) J.H.TOWLE, W.D.GILBOY (AWRE) TIME OF FLIGHT NEUTRON SPECTROMETER. CORRECTED FOR FLUX ATTENUATION AND MULTIPLE SCATTERING. CROSS SECTION RELATIVE TO H. ERRORS ARE RELATIVE	13-AL-27 13-AL-27 13-AL-27 13-AL-27 13-AL-27	9.80-01 3.99+00 9.80-01 3.99+00 1.40+00 3.99+00 9.80-01 3.99+00 2.01+00 3.99+00	4 TOTAL 4 ELASTIC 22 N,N' 39 ELASTIC D(A) 67 N,N' D(A)	
1013 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C. P/FF-15(1966) C.D. THOMAS, G.F. AUCHAMPAUGH, S.C. FULTZ, M.S. MOORE, F.B. IMPSON (LRL AND PHILLIPS PETROLEUM) UCRL-14606 (1966) TIME OF FLIGHT TECHNIQUE. CROSS SECTION NORMALIZED TO 577.1 BARN. AT 0.025 EV. CROSS SECTION SUPERCEDES THAT REPORTED IN PHYS. REV. 130, 1482 (1963)	92-U -235	1.34-08 7.97-05	1592 N,FISS	
1014 NUCLEAR PHYS. 44, 256 (1963) J.H.TOWLE, W.B.GILBOY (AWRE) TIME OF FLIGHT NEUTRON SPECTROMETER. CORRECTED FOR FLUX ATTENUATION AND MULTIPLE SCATTERING. CROSS SECTION RELATIVE TO H.	92-P8-208 92-P8-208	3.23+00 4.48+00 3.96+00 3.96+00	15 N,N' 13 N,N' D(A)	
1015 PHYS. REV. 135, 703 (1964) R.E.COTE, L.M.BOLLINGER, G.E. THOMAS (ANL) VIA 90L SIGMA CENTER. NATURAL ELEMENT AND ENRICHED ISOTOPES. FAST CHOPPER. BEST RESOLUTION WAS 12 NSEC/M. AREA ANALYSIS. WASH-1041 PAGE 6 (1962)	34-SE-NAT 34-SE-NAT 34-SE-74 34-SE-76 34-SE-76 34-SE-77 34-SE-77 34-SE-78 34-SE-80 34-SE-80	1.01-04 1.01-01 5.15-06 7.14-03 2.70-05 2.70-04 0. 5.35-03 3.76-04 5.35-03 0. 9.91-04 1.12-04 2.25-03 3.01-04 3.19-03 0. 6.00-03 1.98-03 5.08-03	536 TOTAL 15 RES.PARAM. 4 RES.PARAM. 2 AV.RES.PARAM. 16 RES.PARAM. 3 AV.RES.PARAM. 48 RES.PARAM. 5 RES.PARAM. 1 AV.RES.PARAM. 3 RES.PARAM.	
1016 NUCLEAR PHYS. 64, 130 (1965) W.B.GILBOY, J.H.TOWLE (AWRE) TIME OF FLIGHT SPECTROMETER. CORRECTED FOR FLUX ATTENUATION AND MULTIPLE SCATTERING. CROSS SECTION RELATIVE TO N,P SCATTERING CROSS-SECTION. EANDC(UK)-465 (0000)	26-FE-NAT 26-FE-NAT 26-FE-NAT 26-FE-NAT 26-FE-NAT 26-FE-56	2.01+00 3.99+00 9.80-01 3.99+00 1.40+00 3.99+00 9.80-01 3.99+00 2.01+00 3.99+00 3.99+00 3.99+00	3 TOTAL 4 ELASTIC 28 N,N' 39 ELASTIC D(A) 75 N,N' D(A) 7 N,N'	
1017 J. PHYS. RADIUM 21, 429 (1960) A.MICHAUDON, R.BERGIERE, A.COIN, R.JOLY (SACLAY) TIME OF FLIGHT METHOD. NORMALIZED TO AREA UNDER THE FISSION CROSS-SECTION OF SHORE AND SAILOR BETWEEN 0 AND 10 EV. AREA ANALYSIS. FINALIZED RESONANCE PARAMETERS BELOW 50 EV. ARE GIVEN IN REFERENCE 1035. RESOLUTION WAS 10 NSEC/M. PHYS. REV. 112, 191 (1958)	92-U -235 92-U -235	7.20-08 2.10-02 5.04-05 9.55-05	2732 N,FISS 38 RES.PARAM.	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-162 ***

REF.NO.=1017

07/04/76

EC51L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1018

REF BIBLIOGRAPHY

1018 PHYS. REV. 146, 660 (1966) R.E.DONALDSON, D.J.GROVES,
R.K.PEARSON (LRL)
UCRL-14301 REV. 11 (1966)

TARGET EN. RANGE (MEV) PTS DESCRIPTION

5-B -10 0. 0. 1 COHER?
5-B -11 0. 0 1 COHER?

1019 PRIVATE COMMUNICATION (1968) W.E.TUCKER (TEXAS NUCLEAR)
THIS IS A TABULATION OF ALL THE GAMMA-RAY PRODUCTION CROSS
SECTIONS MEASURED BY TEXAS NUCLEAR FROM 1961 TO 1968. THE
DATA WERE REVIEWED IN 1968
ORO-2791-30 (1969)
ORO-2791-32 (1971)

4-BE-9 1.48+01 1.48+01 1 N,XG D(A)
5-B -10 3.00+01 4.00+00 23 N,XG D(A)
6-C -NAT 5.00+00 1.48+01 2 N,XG D(A)
7-N -NAT 1.48+01 1.48+01 12 N,XG D(A)
7-N -NAT 1.48+01 1.48+01 12 N,XG D(A)
7-N -NAT 1.48+01 1.48+01 5 N,XG D(A)
7-N -NAT 1.48+01 1.48+01 8 N,XG D(A)
8-O -NAT 1.48+01 1.48+01 9 N,XG D(A)
8-O -NAT 1.48+01 1.48+01 2 N,XG D(A)
8-O -NAT 1.48+01 1.48+01 7 N,XG D(A)
9-F -19 1.00+00 5.00+00 12 N,XG D(A)
11-NA-23 8.00+01 4.10+00 11 N,XG D(A)
11-NA-23 1.00+00 1.00+00 4 N,XG D(A)
13-AL-27 1.48+01 1.48+01 6 N,XG D(A)
13-AL-27 1.48+01 1.48+01 16 N,XG D(A)
23-V -51 8.00+01 2.10+00 18 N,XG D(A)
23-V -51 8.00+01 1.81+00 34 N,XG D(A)
24-CR-NAT 5.00+00 1.48+01 31 N,XG D(A)
24-CR-NAT 1.48+01 1.48+01 18 N,XG D(A)
25-MN-55 1.00+00 1.81+00 9 N,XG D(A)
25-MN-55 1.76+00 1.81+00 21 N,XG D(A)
27-CO-59 1.70+00 4.50+00 70 N,XG D(A)
27-CO-59 3.00+00 3.00+00 55 N,XG D(A)
28-NI-NAT 1.48+01 1.48+01 19 N,XG D(A)
40-ZR-NAT 1.63+00 1.48+01 49 N,XG D(A)
40-ZR-NAT 1.63+00 1.48+01 30 N,XG D(A)
41-NB-93 1.00+00 4.20+00 51 N,XG D(A)
41-NB-93 1.00+00 4.20+00 51 N,XG D(A)
41-NB-93 8.50+01 1.90+00 200 N,XG D(A)
49-IN-NAT 1.50+00 1.50+00 12 N,XG D(A)
51-SB-121 1.00+00 1.00+00 2 N,XG D(A)
51-SB-123 1.00+00 1.00+00 2 N,XG D(A)
58-CE-NAT 3.00+00 4.50+00 12 N,XG D(A)
58-CE-NAT 3.00+00 4.50+00 39 N,XG D(A)
58-CE-140 1.75+00 2.09+00 2 N,XG D(A)
58-CE-142 8.00+01 1.75+00 7 N,XG D(A)
58-CE-142 9.96+01 1.75+00 12 N,XG D(A)
74-W -NAT 3.02+01 3.02+01 1 N,XG D(A)
74-W -NAT 3.02+01 1.48+01 76 N,XG D(A)
82-PB-206 1.00+00 4.60+00 13 N,XG D(A)
82-PB-206 4.10+00 4.10+00 26 N,XG D(A)
82-PB-207 1.00+00 4.60+00 35 N,XG D(A)
82-PB-207 4.10+00 4.10+00 26 N,XG D(A)
82-PB-208 3.10+00 5.25+00 15 N,XG D(A)
82-PB-208 4.10+00 4.10+00 26 N,XG D(A)
83-BI-209 1.76+00 4.10+00 11 N,XG D(A)
83-BI-209 2.55+00 4.10+00 16 N,XG D(A)
83-BI-209 2.55+00 1.48+01 23 N,XG D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-163 ***

REF.NO.=1019

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1019

REF BIBLIOGRAPHY

1015

TARGET EN. RANGE (MEV) PTS DESCRIPTION

92-U -238	1.04+00 1.04+00	3 N,XG	D(A)
92-U -238	3.02-01 3.02-01	22 N,XG	D(A)
94-PU-239	3.02-01 3.02-01	24 N,XG	D(A)

1020 J. NUCLEAR ENERGY 21, 271 (1967) S.A.COX, F.R.PONTET (AKRE)
WASH-1062 PAGE 8 (1966) S.A.COX

3-LI-6	1.07-02 1.02-01	7 N,A
5-B -10	1.07-02 2.47-01	12 N,A

1021 PRIVATE COMMUNICATION (1958) L.M.BOLLINGER
VIA BNL SIGMA CENTER. ALPHA DETERMINED FROM RELATIVE
MEASUREMENT OF FTA/NU, ASSUMING NU=2.442. FISSION CROSS
SECTION MEASUREMENT NORMALIZED TO 582 BARN AT 0.0251 EV

92-U -235	3.80-09 9.49-07	31 N,FISS
92-U -235	3.80-09 4.92-07	27 ALPHA

1022 PHYS. REV. 100, 1266 (1955) J.R.SMITH,
E.H.MAGLEBY (PHILLIPS PETROLEUM)
MTR CRYSTAL SPECTROMETER. NORMALIZED TO WORK OF
H.PALEVSKY ET AL.
J. NUCLEAR ENERGY 3, 177 (1956)
DATA OBTAINED FROM BNL SIGMA CENTER. WE HAVE DETERMINED ALPHA
FOR U235 BY TAKING NU = 2.430
100-16373 PAGE 39 (1957)

92-U -235	1.41-08 9.28-06	83 ETA
92-U -235	1.41-08 9.28-06	79 ALPHA

1023 NUCLEAR PHYS. 70, 421 (1965) K.NISHIMURA, K.OKANO,
S.KIKUCHI (JAERI)
RING GEOMETRY WITH 90 DEGREE AVERAGE ANGLE OF OBSERVATION.
NOT ALL DATA CORRECTED FOR ANGULAR RESOLUTION. STATED CROSS
SECTION ARE APPROXIMATELY 4 PI CROSS SECTION (90 DEGREES)
JAERI-1078 (1965)

26-FE-56	1.00+00 2.64+00	22 N,XG
27-CO-59	1.10+00 1.45+00	18 N,XG
28-NI-NAT	1.30+00 2.00+00	8 N,XG
28-NI-58	1.40+00 2.00+00	7 N,XG
29-CU-63	6.30-01 2.59+00	17 N,XG
29-CU-65	7.50-01 1.30+00	9 N,XG
30-ZN-NAT	1.00+00 1.60+00	17 N,XG
42-MO-NAT	7.80-01 1.50+00	29 N,XG
42-MO-94	9.37-01 1.49+00	7 N,N'
47-AG-NAT	3.21-01 9.93-01	63 N,XG
40-CO-NAT	5.44-01 9.95-01	22 N,XG
50-SN-NAT	1.05+00 2.00+00	17 N,XG

1024 A/CONF. 4, 245 (1955) D.SZTEINSCHNAIDER, V.NAGOLAR, F.NETTER
(CEA, FRANCE)
IONIZATION CHAMBER. NORMALIZED TO NATURAL U FISSION CROSS
SECTION OF 0.34 BARN AT 1.6 MEV.
CEA-1913 (1961) F.NETTER

92-U -235	1.02+00 3.85+00	28 N,FISS
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1025 IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/48 (1966)
G.DE SAUSSURE, L.W.WESTON, R.GWIN, R.W.INGLE, J.H.TODD,
R.W.HOCKENBURY, R.R.FULLWOOD, A.LOTTIN (ORNL)
ORNL-TM-2140 (1966)
NUCLEAR SCIENCE AND ENGINEERING 34, 1 (1968)
NUCLEAR SCIENCE AND ENGINEERING 23, 45 (1965)
TRANS. AM. NUCLEAR SOC. 7, 270 (1964)
ORNL-TM-1804 (1967)
SIMULTANEOUS CAPTURE AND FISSION MEASUREMENT. TIME OF FLIGHT
TECHNIQUE
ORNL-3738 (1965)

92-U -233	2.98-05 2.04-03	2677 N,FISS
92-U -233	4.05-07 2.04-03	2982 N,O
92-U -235	1.00-02 1.19-02	20 N,FISS
92-U -235	4.04-07 1.02-02	5724 N,FISS
92-U -235	1.77-02 6.00-01	41 N,O
92-U -235	4.04-07 3.02-03	5342 N,O
92-U -235	1.77-02 6.00-01	41 ALPHA
94-PU-239	1.77-02 6.00-01	41 N,O
94-PU-239	1.77-02 6.00-01	41 ALPHA

REF. BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-164 ***

REF.NO.=1025

07/04/76

EC9 762. 918. 100GRAPHY (REF. NO. ORDERED)

REF. NO. - 1026

REF BIBLIOGRAPHY

1026 NUCLEAR SCIENCE AND ENGINEERING 9, 168 (1961) J. R. BEYSTER
J. L. WOOD, W. M. LOPEZ, R. B. WALTON: GENERAL ATOMIC
TIME OF FLIGHT, C AND CD DATA VIA BNL SIGMA CENTER

TARGET	EN.	RANGE	WEIGHT	PTS	DESCRIPTION
6 C-NAT	1.85	09 9	60-05	163	TOTAL
48 C-NAT	5.05	09 3	60-07	142	TOTAL

1027 ORO-2791-17 (1966) D.O. NELLIS, I.L. MORGAN (TEXAS NUCLEAR)
NAI (TL) GAMMA RAY SPECTROMETER. GAMMA RAY SPECTRA 150 RPD:
TO WITHIN 10 PERCENT. SEE ALSO REFERENCE 1019

92-U-235	1.09+0.01	1.40+0.01	6 N, X0	
92-U-235	1.09+0.01	1.40+0.01	6 N, X0	DIA
92-U-235	1.09+0.01	1.40+0.01	60 N, X0	DIA
92-U-230	1.03+0.01	1.40+0.01	6 N, X0	
92-U-230	1.07+0.01	1.40+0.01	6 N, X0	DIA
92-U-230	1.09+0.01	1.40+0.01	52 N, X0	DIA
94-Pu-239	1.09+0.01	1.46+0.01	6 N, X0	
94-Pu-239	1.11+0.01	1.40+0.01	6 N, X0	DIA
94-Pu-239	1.09+0.01	1.40+0.01	63 N, X0	

1028 PRIVATE COMMUNICATION (1964) A. B. SMITH (ANL)
VIA BNL SIOMA CENTER. TIME OF FLIGHT MEASUREMENT
SEE ALSO REFERENCE 1513

92-U -235 8.06-01 1.49-00 69 TOTAL

1029 PHYS. REV. 118, 1059 (1960) J.T. PRUD'HOMME, P.L. OKHUYSEN, JR.
I.L. MOROAN (TEXAS)
TIME OF FLIGHT NOT CORRECTED FOR MULTIPLE SCATTERING

20-FE-NAT	1.52-01	1.52-01	0	N,N,N,N,N,N	C1-C2,DIAM
20-FE-NAT	4.20-00	4.20-00	0	N,N,N,N,N,N	C1-C2,DIAM
30-Y-89	1.52-01	1.52-01	0	N,N,N,N,N,N	C1-C2,DIAM
39-Y-00	1.21-00	4.21-00	0	N,N,N,N,N,N	C1-C2,DIAM
40-ZR-NAT	1.52-01	1.52-01	0	N,N,N,N,N,N	C1-C2,DIAM
40-ZR-NAT	4.21-00	4.21-00	0	N,N,N,N,N,N	C1-C2,DIAM
02-PB-NAT	1.52-01	1.52-01	0	N,N,N,N,N,N	C1-C2,DIAM
02-PB-NAT	3.67-00	4.00-00	0	N,N,N,N,N,N	C1-C2,DIAM
RAD101-LFAD	4.21-00	4.21-00	0	N,N,N,N,N,N	C1-C2,DIAM
03-01-209	4.21-00	4.21-00	0	N,N,N,N,N,N	C1-C2,DIAM
03-01-209	4.21-00	4.21-00	0	N,N,N,N,N,N	C1-C2,DIAM

1030 NUCLEAR SCIENCE AND ENGINEERING 7, 107 (1960) O. D. SIMPSON,
M. S. MOORE, F. B. SIMPSON (MTR)
FAST CHOPPER. SEE REF. 1249 FOR U233 CROSS SECTION

92-4 -235 2.07-04 8 03-08 115 TOTAL

031 BULL. AM. PHYS. SOC. 7, 334 (1962) D. REITMANN, A. B. SHIM
(ANL)
DATA OBTAINED FROM DNL 400 CURVES. TIME OF FLIGHT
CORRECTED FOR MULTIPLE SCATTERING

40-38-NAT 3-40-01 1-17-00 100 ELASTIC DIA)

1032 PHYS. REV. 96, 936 (1954) S. F. BARDEEN, W. H. FERGUSON, R. P. WALTON
(U. OF WISCONSIN)
RING GEOMETRY, CORRECTED FOR MULTIPLE SCATTERING (DATA RECALC)
FROM BNL 400

22-11-NAT	1	00:00	1	00:00	5	ELASTIC DIA
40-2R-NAT	1	00:00	1	00:00	5	ELASTIC DIA
40-CD-NAT	1	00:00	1	00:00	5	ELASTIC DIA
73-1A-NAT	1	00:00	1	00:00	5	ELASTIC DIA
03-01-204	1	00:00	1	00:00	5	ELASTIC DIA
09-10-232	1	00:00	1	00:00	3	ELASTIC DIA

1033 PHYS. REV. 99, 621 (1955) J R WEDDELL, B JENNINGS,
R L HELLENS (WESTINGHOUSE)
PROTON RECOIL PHOTOGRAPHIC METHOD DATA ASSUMED IN L SYSTEM
PHYS. REV. 98, 582 (1955)

B-C -NAT	4 40:00	4 40:00	1 ELASTIC DIA
20-CA-NAT	4 40:00	4 40:00	1 ELASTIC DIA
26-FC NAT	4 40:00	4 40:00	1 ELASTIC DIA
26-FL-NAT	4 40:00	4 40:00	4 N.N DIA
40-2R-NAT	4 40:00	4 40:00	1 ELASTIC DIA
40-2H NAT	4 40:00	4 40:00	1 N.N DIA

REF BIBLIOGRAPHY

TARGET	EN.	RANGE	INLV	PIS	DESCRIPTION
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9
10	10	10	10	10	10
11	11	11	11	11	11
12	12	12	12	12	12
13	13	13	13	13	13
14	14	14	14	14	14
15	15	15	15	15	15
16	16	16	16	16	16
17	17	17	17	17	17
18	18	18	18	18	18
19	19	19	19	19	19
20	20	20	20	20	20
21	21	21	21	21	21
22	22	22	22	22	22
23	23	23	23	23	23
24	24	24	24	24	24
25	25	25	25	25	25
26	26	26	26	26	26
27	27	27	27	27	27
28	28	28	28	28	28
29	29	29	29	29	29
30	30	30	30	30	30
31	31	31	31	31	31
32	32	32	32	32	32
33	33	33	33	33	33
34	34	34	34	34	34
35	35	35	35	35	35
36	36	36	36	36	36
37	37	37	37	37	37
38	38	38	38	38	38
39	39	39	39	39	39
40	40	40	40	40	40
41	41	41	41	41	41
42	42	42	42	42	42
43	43	43	43	43	43
44	44	44	44	44	44
45	45	45	45	45	45
46	46	46	46	46	46
47	47	47	47	47	47
48	48	48	48	48	48
49	49	49	49	49	49
50	50	50	50	50	50
51	51	51	51	51	51
52	52	52	52	52	52
53	53	53	53	53	53
54	54	54	54	54	54
55	55	55	55	55	55
56	56	56	56	56	56
57	57	57	57	57	57
58	58	58	58	58	58
59	59	59	59	59	59
60	60	60	60	60	60
61	61	61	61	61	61
62	62	62	62	62	62
63	63	63	63	63	63
64	64	64	64	64	64
65	65	65	65	65	65
66	66	66	66	66	66
67	67	67	67	67	67
68	68	68	68	68	68
69	69	69	69	69	69
70	70	70	70	70	70
71	71	71	71	71	71
72	72	72	72	72	72
73	73	73	73	73	73
74	74	74	74	74	74
75	7				

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1034

REF BIBLIOGRAPHY

1034 PHYS. AND CHEM. OF FISSION, IAEA, SALZBURG, 1, 287 (1965)
WANG SHI-DI, WANG YUNG-CHANG, E.DERMENDZHIEV, YU.V.RYAZOV
(DUBNA)
TRANSLATED IN
BNL-77-16 (1965)
PULSED REACTOR AND TIME OF FLIGHT TECHNIQUE, FOR LEVELS IN
WHICH THE TOTAL WIDTH HAS NOT KNOWN, THE RADIATIVE CAPTURE
WIDTH HAS TAKEN AS 0.040 EV. AREA ANALYSIS, RESOLUTION WAS
ABOUT 40 NSEC/M.
ATOMNAYA ENERGIYA 19, 43 (1965)
TRANSLATED IN
J. NUCLEAR ENERGY, PARTS A/B, 20, 602 (1966)
CROSS SECTION GIVEN IN REFERENCE 1292
JINR-P-2024 (1965)

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
92-U -235	1.50-04 2.75-02	32 N.FISS SPECT.AV.
92-U -235	1.50-04 2.75-02	32 N.G SPECT.AV.
92-U -235	1.50-04 2.75-02	32 ALPHA SPECT.AV.
92-U -235	0. 3.00-02	6 AV.RES.PARAM.
92-U -235	2.02-06 5.02-05	572 RES.PARAM.

1035 NUCLEAR PHYS. 69, 545 (1965) A.MICHAUDON, H.DERRIEN, P.RIBON,
M.SANCHE (SACLAY)
TIME OF FLIGHT TECHNIQUE. CROSS SECTION AND EXPERIMENTAL
PROCEDURES ARE GIVEN IN REFERENCE 963. AREA AND SHAPE
ANALYSIS. PRELIMINARY VALUES OF SIGMA ZERO GAMMA FISSION UP
TO 50 EV ARE GIVEN IN REFERENCE 1017. FISSION CROSS SECTION
RESOLUTION WAS 10 NSEC/M.
PHYS. LETTERS 7, 211 (1963)
J. PHYS. RADIUM 22, 712 (1961)

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
92-U -235	0. 6.00-05	8 AV.RES.PARAM.
92-U -235	2.03-06 1.47-04	644 RES.PARAM.

1036 NUCLEAR PHYS. 6, 210 (1958) S.BERKO, W.D.WHITEHEAD,
B.C.GROSECLOSE (U. OF VIRGINIA)
TIME OF FLIGHT, NOT CORRECTED FOR MULTIPLE SCATTERING.
NORMALIZED TO THEORETICAL CURVE. ERRORS FOR ANGULAR
DISTRIBUTION ASSUMED 10 PERCENT
(EXPERIMENTAL ERRORS NOT STATED)

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
12-MO-NAT	1.47+01 1.47+01	18 ELASTIC DIA)
13-AL-27	1.47+01 1.47+01	30 ELASTIC DIA)
28-NI-NAT	1.47+01 1.47+01	20 ELASTIC DIA)
29-CU-NAT	1.47+01 1.47+01	25 ELASTIC DIA)
82-PB-NAT	1.47+01 1.47+01	21 ELASTIC DIA)
83-B.-209	1.47+01 1.47+01	25 ELASTIC DIA)

1037 PHYS. REV. 103, 1342 (1956) V.E.PILCHER, J.A.HARVEY,
D.J.HUGHES (BNL)
FAST CHOPPER. RESONANCE PARAMETERS OBTAINED BY AREA ANALYSIS.
CROSS SECTION DATA OBTAINED FROM BNL SIGMA CENTER.
TOTAL WIDTH TAKEN EQUAL TO 0.1 EV WHEN NOT OBTAINABLE

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
92-U -235	4.50-06 3.62-05	221 TOTAL
92-U -235	0. 2.00-05	4 AV.RES.PARAM.
92-U -235	2.90-07 3.53-05	131 RES.PARAM.

1038 PHYS. REV. 103, 971 (1956) O.D.SIMPSON, R.G.FLHARTY,
F.B.SIMPSON (MIT)
FAST CHOPPER. RESONANCE PARAMETERS OBTAINED BY AREA ANALYSIS.
CROSS SECTION DATA OBTAINED FROM BNL SIGMA CENTER. RESOLUTION
OF 50 TO 70 NSEC/M.

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
92-U -235	1.10-05 8.79-05	458 TOTAL
92-U -235	0. 1.80-05	3 AV.RES.PARAM.
92-U -235	9.25-06 6.10-05	48 RES.PARAM.

1039 PRIVATE COMMUNICATION (1964) R.I.SCHERMER (BNL)
VIA BNL SIGMA CENTER. CRYSTAL SPECTROMETER. HOLMIUM OXIDE
SAMPLE. RESULTS CORRECTED FOR EFFECT OF OXYGEN. USING A CROSS
SECTION OF 4.24 BARNS ATOM

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
67-HO-165	1.69-08 1.34-06	63 TOTAL

1040 PRIVATE COMMUNICATION (1970) A.B.SMITH, J.F.WHALEN (ANL)
TO BE PUBLISHED. CORRECTED FOR MULTIPLE SCATTERING. ELASTIC
AND INELASTIC NORMALIZED TO CARBON ELASTIC SCATTERING OF

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
67-HO-165	1.00-01 1.49+00	751 TOTAL
67-HO-165	3.00-01 1.50+00	62 ELASTIC
67-HO-165	4.20-01 1.50+00	163 N.N'

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
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*** 3-166 ***

REF.NO.=1040

REF. NO. - 1040

PTS	DESCRIPTION
1	1.00
2	2.00
3	3.00
4	4.00
5	5.00
6	6.00
7	7.00
8	8.00
9	9.00
10	10.00
11	11.00
12	12.00
13	13.00
14	14.00
15	15.00
16	16.00
17	17.00
18	18.00
19	19.00
20	20.00
21	21.00
22	22.00
23	23.00
24	24.00
25	25.00
26	26.00
27	27.00
28	28.00
29	29.00
30	30.00
31	31.00
32	32.00
33	33.00
34	34.00
35	35.00
36	36.00
37	37.00
38	38.00
39	39.00
40	40.00
41	41.00
42	42.00
43	43.00
44	44.00
45	45.00
46	46.00
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89	89.00
90	90.00
91	91.00
92	92.00
93	93.00
94	94.00
95	95.00
96	96.00
97	97.00
98	98.00
99	99.00
100	100.00

233 ELASTIC LEGEND.COEFF

10 TOTAL
71 TOTAL

62	N,N'	EMS	E1-E2	D(A)
12	N,N'	EMS	E1-E2	D(A)
10	N,N'	EMS	E1-E2	D(A)
11	N,N'	EMS	E1-E2	D(A)
16	N,N'	EMS	E1-E2	D(A)
16	N,N'	EMS	E1-E2	D(A)
17	N,N'	EMS	E1-E2	D(A)
16	N,N'	EMS	E1-E2	D(A)
19	N,N'	EMS	E1-E2	D(A)
17	N,N'	EMS	E1-E2	D(A)
72	N,N'	EMS	E1-E2	D(A)
19	N,N'	EMS	E1-E2	D(A)
18	N,N'	EMS	E1-E2	D(A)
15	N,N'	EMS	E1-E2	D(A)
12	N,N'	EMS	E1-E2	D(A)
96	N,N'	EMS	E1-E2	D(A)
86	N,N'	EMS	E1-E2	D(A)
15	N,N'	EMS	E1-E2	D(A)
12	N,N'	EMS	E1-E2	D(A)
90	N,N'	EMS	E1-E2	D(A)
16	N,N'	EMS	E1-E2	D(A)

6-C -NAT	6.00+00	6.00+00	12	ELASTIC	D(A)
6-C -1C2	6.00+00	6.00+00	13	N,N'	D(A)
26-FC-NAT	6.00+00	6.00+00	13	N,N'	E1-E2,D(A)
26-FC-NAT	6.00+00	6.00+00	1	NUCLEAR	TEMP.
39-Y -89	6.00+00	6.00+00	1	NUCLEAR	TEMP.
42-HO-NAT	6.00+00	6.00+00	13	N,N'	E1-E2,D(A)
42-HO-NAT	6.00+00	6.00+00	1	NUCLEAR	TEMP.
45-RH-103	6.00+00	6.00+00	13	N,N'	E1-E2,D(A)
45-RH-103	6.00+00	6.00+00	1	NUCLEAR	TEMP.
48-CO-NAT	6.00+00	6.00+00	13	N,N'	E1-E2,D(A)
48-CO-NAT	6.00+00	6.00+00	1	NUCLEAR	TEMP.
50-SN-NAT	6.00+00	6.00+00	13	E1-E2,D(A)	
50-SN-NAT	6.00+00	6.00+00	1	NUCLEAR	TEMP.
83-B1-P09	6.00+00	6.00+00	11	N,N'	E1-E2,D(A)
83-B1-P09	6.00+00	6.00+00	1	NUCLEAR	TEMP.

3 N.O
7 ELASTIC D(A)
5 ELASTIC D(A)
3 N.O
8 ELASTIC D(A)

[illegible]

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1044 RING GEOMETRY. IONIZATION CHAMBER. CORRECTED FOR MULTIPLE SCATTERING. DATA TAKEN FROM BNL-400 USSR CONF. ON LOW ENERGY NUCLEAR REACTIONS, P.15 (1957) Y.V.HOFMAN, M.V.PASECHNIK	31-GA-69	2.50+00 4.00+00	3	N,0
	32-GE-74	2.50+00 4.00+00	3	N,0
	37-RB-87	2.50+00 4.00+00	3	N,0
	42-MG-100	2.50+00 4.00+00	3	N,0
	45-RH-103	2.50+00 4.00+00	3	N,0
	45-RH-103	2.50+00 4.00+00	3	N,0
	45-RH-103	2.50+00 4.00+00	3	N,0
	46-PD-110	2.50+00 4.00+00	3	N,0
	48-CD-NAT	2.80+00 2.80+00	8	ELASTIC D(A)
	50-SN-NAT	2.80+00 2.80+00	8	ELASTIC D(A)
	50-SN-122	2.50+00 4.00+00	3	N,0
	51-SB-NAT	2.80+00 2.80+00	7	ELASTIC D(A)
	52-TE-NAT	2.50+00 4.00+00	3	N,0
	56-BA-138	2.50+00 4.00+00	3	N,0
	59-PR-141	2.50+00 4.00+00	3	N,0
	74-W-186	2.50+00 3.10+00	3	N,0
	80-HG-NAT	2.80+00 2.80+00	9	ELASTIC D(A)
	81-TL-205	2.50+00 4.00+00	3	N,0
	82-PB-NAT	2.80+00 2.80+00	9	ELASTIC D(A)
	83-BI-209	2.80+00 2.80+00	9	ELASTIC D(A)
1045 NUCLEAR PHYS. 21, 15 (1960) O.L.SALMON (HARWELL) CORRECTED FOR MULTIPLE SCATTERING, ANGULAR RESOLUTION AND INELASTIC SCATTERING. DATA TAKEN FROM BNL-400	3-LI-NAT	9.60+01 9.60+01	6	ELASTIC D(A)
	4-BE-9	9.60+01 9.60+01	5	ELASTIC D(A)
	6-C-NAT	9.60+01 9.60+01	7	ELASTIC D(A)
	13-AL-27	9.60+01 9.60+01	6	ELASTIC D(A)
	29-CU-NAT	9.60+01 9.60+01	6	ELASTIC D(A)
	48-CD-NAT	9.60+01 9.60+01	6	ELASTIC D(A)
	82-PB-NAT	9.60+01 9.60+01	7	ELASTIC D(A)
	92-U-NAT	9.60+01 9.60+01	7	ELASTIC D(A)
1046 J. EXPTL. THEORET. PHYS. (USSR) 41, 313 (1961) V.I.STRIZHAK V.V.BUBYR', L.YA.GRONA (USSR) TRANSLATED IN SOVIET PHYS. JETP 14, 225 (1962) RING GEOMETRY. NOT CORRECTED FOR MULTIPLE SCATTERING. DATA TAKEN FROM BNL-400	6-C-NAT	1.40+01 1.40+01	13	ELASTIC D(A)
	7-N-NAT	1.40+01 1.40+01	13	ELASTIC D(A)
	16-S-NAT	1.40+01 1.40+01	13	ELASTIC D(A)
	42-MO-NAT	1.40+01 1.40+01	30	ELASTIC D(A)
	48-CD-NAT	1.40+01 1.40+01	25	ELASTIC D(A)
	74-W-NAT	1.40+01 1.40+01	28	ELASTIC D(A)
1047 PHIL. MAG. 1, 1003 (1956) C.P.VAN ZYL, R.G.P.VOSS, R.WILSON (OXFORD) CORRECTED FOR MULTIPLE SCATTERING, ANGULAR RESOLUTION AND INELASTIC SCATTERING. DATA TAKEN FROM BNL-400	3-LI-NAT	1.36+02 1.36+02	5	ELASTIC D(A)
	4-BE-9	1.36+02 1.36+02	5	ELASTIC D(A)
	6-C-NAT	1.36+02 1.36+02	13	ELASTIC D(A)
	7-N-NAT	1.36+02 1.36+02	5	ELASTIC D(A)
	8-O-NAT	1.36+02 1.36+02	5	ELASTIC D(A)
	13-AL-27	1.36+02 1.36+02	13	ELASTIC D(A)
	29-CU-NAT	1.36+02 1.36+02	13	ELASTIC D(A)
	48-CD-NAT	1.36+02 1.36+02	13	ELASTIC D(A)
	82-PB-NAT	1.36+02 1.36+02	15	ELASTIC D(A)
1048 ANN. PHYS. (N.Y.) 37, 367 (1966) J.A.FARRELL, E.G.DILPUGH, H.W.NEWMAN (DUKE) TRANSMISSION MEASUREMENTS. RESONANCE PARAMETERS OBTAINED FROM MULTILEVEL FIT. NON S-WAVE TOTAL WIDTHS HAVE BEEN TAKEN AS THE AVERAGE OF RESULTS OBTAINED FROM AREA AND SHAPE ANALYSIS.	20-CA-32	0. 1.30+00	1	AV.RES.PARAM.
	20-CA-40	0. 6.35+01	1	AV.RES.PARAM.
	20-CA-42	0. 0.53+01	1	AV.RES.PARAM.
	20-CA-42	4.00+02 5.72+01	82	RES.PARAM.
	20-CA-44	0. 6.60+01	1	AV.RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

07/04/76

ECSIL-7500 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1048

REF BIBLIOGRAPHY

- 1048 SEE REFERENCE 751 FOR THE CROSS SECTIONS. SEE ALSO REF. 747
WE HAVE TAKEN THE NON S WAVE LEVELS AS P WAVE. ENRICHED
ISOTOPES. ENERGY SPREAD AT 20 DEGREES ALWAYS LESS THAN 1.5
KEV ABOVE 150 KEV.

TARGET EN. RANGE (MEV) PTS DESCRIPTION

20-CA-44	5.30-02 5.76-01	79 RES. PARAM.
22-TI-46	0. 3.90-01	1 AV. RES. PARAM.
22-TI-46	1.10-02 6.35-02	8 RES. PARAM.
22-TI-48	0. 3.90-01	1 AV. RES. PARAM.
22-TI-48	1.75-02 5.13-02	8 RES. PARAM.
22-TI-50	0. 3.90-01	1 AV. RES. PARAM.
22-TI-50	5.55-02 5.55-02	2 RES. PARAM.
24-CR-50	0. 6.20-01	1 AV. RES. PARAM.
24-CR-50	9.55-02 5.90-01	102 RES. PARAM.
24-CR-52	0. 6.30-01	1 AV. RES. PARAM.
24-CR-54	0. 4.00-01	1 AV. RES. PARAM.
26-FE-54	0. 5.06-01	1 AV. RES. PARAM.
26-FE-56	0. 6.45-01	1 AV. RES. PARAM.
28-NI-58	0. 6.00-01	1 AV. RES. PARAM.
28-NI-58	1.07-01 6.00-01	85 RES. PARAM.
28-NI-60	0. 6.00-01	1 AV. RES. PARAM.
28-NI-60	9.65-02 5.94-01	86 RES. PARAM.
28-NI-62	0. 6.00-01	1 AV. RES. PARAM.
28-NI-62	6.00-03 5.99-01	101 RES. PARAM.
28-NI-64	0. 6.00-01	1 AV. RES. PARAM.
28-NI-64	1.05-01 5.83-01	98 RES. PARAM.

- 1049 BULL. AM. PHYS. SOC. 6, 252 (1961) R.M. WILENZICK, K.K. SETH,
P.R. BEVINGTON, H.W. LEWIS (DUKE)
TIME-OF-FLIGHT. NORMALIZED TO DIFFERENTIAL N/P CROSS SECTIONS

26-Fe-NAT	6.00+00 6.00+00	14 ELASTIC D(A)
39-Y -89	6.00+00 6.00+00	14 ELASTIC D(A)
42-MO-NAT	6.00+00 6.00+00	14 ELASTIC D(A)
46-RH-103	6.00+00 6.00+00	13 ELASTIC D(A)
48-CO-NAT	6.00+00 6.00+00	14 ELASTIC D(A)
50-SN-NAT	6.00+00 6.00+00	14 ELASTIC D(A)
83-BI-209	6.00+00 6.00+00	12 ELASTIC D(A)

- 1050 NUKLEONIKA 7, 183 (1962) L. PAULOWSKI (POLAND)
AEC-TR-4907 (1962)
PULSE IONIZATION CHAMBER

5-B -10	2.50-08 2.50-08	1 N.A. C/S RATIO
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- 1051 PHYSICA 29, 987 (1963) S.G. MALMSKOG (STUDSVIC, SWEDEN)
AE-84 (1962) I.O. ANDORSSON, S.G. MALMSKOG
PROPORTIONAL COUNTER AND MULTICHANNEL ANALYZER

5-B -10	2.50-08 2.50-08	1 N.A. C/S RATIO
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- 1052 PHYS. REV. 140, 324 (1965) R.L. MACKLIN, J.H. GIBBONS (ORNL)
ORNL PULSED VAN DE GRAAFF

5-B -10	2.50-08 1.60-01	4 N.A. C/S RATIO
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- 1053 NUCLEAR PHYS. 62, 491 (1965) S.A.R. WYNCHANK, A.C. COX,
C.H. COLLIE (OXFORD)
PULSED NEUTRON METHOD

5-B -NAT	2.50-08 2.50-08	1 ABSORP
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- 1054 ATOMNAYA ENERGIYA 3, 507 (1957) V.B. KLIMENOV, V.M. GRIAZEV
(USSR)
TRANSLATED IN
J. NUCLEAR ENERGY 9, 20 (1959)
MEASURED REACTIVITY

5-E -NAT	4.90-07 1.50+01	1 ABSORP RES. INT.
7-N -NAT	4.90-07 1.50+01	1 ABSORP RES. INT.
9-F -19	4.90-07 1.50+01	1 ABSORP RES. INT.
17-CL -NAT	4.90-07 1.50+01	1 ABSORP RES. INT.
19-K -NAT	4.90-07 1.50+01	1 ABSORP RES. INT.
22-TI -NAT	4.90-07 1.50+01	1 ABSORP RES. INT.
27-CO-59	4.90-07 1.50+01	1 ABSORP RES. INT.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-169 ***

REF. NO. = 1054

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1054

REF BIBLIOGRAPHY

1054

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
28-NI-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
29-CU-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
30-ZN-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
31-GA-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
32-GE-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
34-SE-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
35-BR-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
37-RB-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
38-SR-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
40-ZR-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
42-MO-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
47-AG-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
49-IN-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
50-SN-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
51-SB-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
52-TE-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
53-I -127	4.90-07 1.50+01	1	ABSORP RES.INT.
55-CS-133	4.90-07 1.50+01	1	ABSORP RES.INT.
56-BA-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
58-CE-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
62-SM-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
64-GD-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
72-HF-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
73-TA-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
74-W -NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
76-OS-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
77-IR-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
80-HG-NAT	4.90-07 1.50+01	1	ABSORP RES.INT.
90-TH-232	4.90-07 1.50+01	1	ABSORP RES.INT.
92-U -NAT	4.90-07 1.50+01	1	ABSORP RES.INT.

1055 NUCLEAR PHYS. 85, 142 (1966) D.F.MEASDAY,
J.N.PALMIERI (HARVARD)
TRANSMISSION MEASUREMENT

1-H -1	8.82+01 1.50+02	7	TOTAL
1-H -2	8.82+01 1.50+02	7	TOTAL

1056 NUCLEAR PHYS. 85, 129 (1966) D.F.MEASDAY, J.N.PALMIERI
(HARVARD U.)

2-HE-NAT	7.72+01 1.50+02	5	TOTAL
6-C -NAT	8.82+01 1.50+02	7	TOTAL
7-N -NAT	6.82+01 1.50+02	7	TOTAL
8-O -NAT	8.82+01 1.50+02	7	TOTAL
13-AL-27	8.82+01 1.50+02	7	TOTAL

1057 PHYS. REV. 92, 856 (1953) H.L.FOOTE, JR., H.H.LANDON,
V.L.SAILOR (BNL)
CRYSTAL SPECTROMETER

67-HO-165	2.25-07 1.15-05	54	TOTAL
67-HO-165	3.96-06 3.90-05	5	RES.PARAM.
69-TH-169	3.92-06 1.76-05	3	RES.PARAM.

1058 PHYS. REV. 139, 29 (1965) R.WAGNER, P.D.MILLER, T.TAMURA,
H.MARSHAK (ORNL/NBS)
NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P.154 (1965)
TIME OF FLIGHT SPECTROMETER. DIFFERENTIAL CROSS SECTION
NORMALIZED TO C AND CORRECTED FOR MULTIPLE SCATTERING.

67-HO-165	3.01-01 4.05-01	11	TOTAL
67-HO-165	3.50-01 3.50-01	12	ELASTIC DIA)

1059 EANDC(E)-570 PAGE 22 (1965) A.KNORR (GERMANY)

65-TB-159	2.22-10 2.38-09	8	TOTAL
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REF BIBLIOGRAPHY

TAF ET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-170 ***

REF.NO.=1058

07/04/76

REF BIBLIOGRAPHY

1059 CHOPPER

1060 NUCLEAR PHYS. 37, 412 (1962) K. TESCH (AACHEN, GERMANY)
TIME OF FLIGHT

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1059

TARGET EN. RANGE (MEV) PTS DESCRIPTION

67-HO-155 2.22-10 2.38-09 8 TOTAL

5-B -NAT 1.40-01 1.40-01 1 ELASTIC
5-B -NAT 1.40-01 1.40-01 1 N.N.
5-B -NAT 1.40-01 1.40-01 2 N.N.
5-B -NAT 1.40-01 1.40-01 14 ELASTIC D(A)
5-B -NAT 1.40-01 1.40-01 13 N.N.
5-B -NAT 1.40-01 1.40-01 28 N.N.
6-C -NAT 1.40-01 1.40-01 1 ELASTIC D(A)
6-C -NAT 1.40-01 1.40-01 12 ELASTIC D(A)
6-C -12 1.40-01 1.40-01 1 N.N.
6-C -12 1.40-01 1.40-01 12 N.N.
16-S -NAT 1.40-01 1.40-01 1 ELASTIC
16-S -NAT 1.40-01 1.40-01 1 N.N.
16-S -NAT 1.40-01 1.40-01 2 N.N.
16-S -NAT 1.40-01 1.40-01 13 ELASTIC D(A)
16-S -NAT 1.40-01 1.40-01 13 N.N.
16-S -NAT 1.40-01 1.40-01 25 N.N.
16-S -NAT 1.40-01 1.40-01 D(A)

1061 PRIVATE COMMUNICATION (1965) B.C.DIVEN (LASL)

LA-3586 (1965)
CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., P.895 (1965)
D.H. BERGEN, H.G. SILBERT, R.C. PERISHO
CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., P.903 (1965)
D.H. BERGEN, B.C.DIVEN, H.G. SILBERT
CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., P.971 (1965)
W.A. BROWN, D.H. BERGEN, J.D. CRAPER
CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., P.979 (1965)
E.F. SILBERT, W.A. BROWN, R.L. BAUVE
NUCLEAR PHYS. 96, 605 (1967) P.A. SEEGER, A. HEMMENDINGER,
B.C.DIVEN
THE NUCLEAR PHYSICS ARTICLE REPORTS THE FISSION CROSS SECTION
MEASUREMENTS ON ²⁴¹AM AND ²⁴²AM RETREL BOMB SOURCE
100-17174 (1966)

1062 PRIVATE COMMUNICATION (1965) J.F. WHALEN (ANL)

WASH-1069 P.9 (1966) J.F. WHALEN, J.M. HEADON
ANL-7210 PAGE 16 (1966)

16-S -NAT 1.01-01 6.48-01 539 TOTAL
22-TI -NAT 1.00-01 6.48-01 237 TOTAL
26-CR -NAT 1.00-01 6.48-01 544 TOTAL
28-NI -NAT 1.01-01 6.48-01 547 TOTAL
30-ZN -NAT 1.00-01 6.48-01 535 TOTAL
47-AG -NAT 1.01-01 6.48-01 265 TOTAL
40-CO -NAT 1.00-01 6.48-01 531 TOTAL
50-SM -NAT 1.00-01 6.48-01 541 TOTAL
74-W -182 1.01-01 6.48-01 270 TOTAL
74-W -184 1.00-01 6.48-01 266 TOTAL
74-W -185 1.01-01 6.48-01 268 TOTAL
78-PT -NAT 1.01-01 6.48-01 272 TOTAL
79-AU -197 1.00-01 6.48-01 265 TOTAL
80-HG -NAT 1.01-01 6.48-01 272 TOTAL
80-HG -NAT 1.00-01 6.48-01 3.06 TOTAL

1063 A/CONF. 16, 121 (1958) D.W. COLVIN, M.G. SCHERBY (HARVELL)

REF BIBLIOGRAPHY

*** 3-171 ***

TARGET EN. RANGE (MEV) PTS DESCRIPTION

92-U -233 2.50-08 2.50-08 1 NU-PRINT C/S RATIO

REF. NO. = 1063

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
1063 BORON PILE MEASUREMENT. WE HAVE TAKEN NU PROMPT AS 2.414, 2.487 AND 2.21 (AS DETERMINED FROM RATIOS HERE) FOR U235 (THERMAL), U233 (THERMAL) AND PU240 (SPONTANEOUS FISSION), RESPECTIVELY RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION OF CF252.	94-PU-239 94-PU-239 94-PU-240	0. 2.50-08 -6.68+00-6.68+00	1 NU-PRMT 2 NU-PRMT C/S RATIO 1 NU-PRMT
1064 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/202 (1965) V.A.KONKO, YU.I.FENIN (UDNA) LEAD SLOWING DOWN SPECTROMETER DATA OBTAINED FROM BNL SIGMA CENTER	67-HO-165 71-LU-NAT 75-RE-NAT	3.70-07 4.20-02 2.50-08 2.50-02 2.00-07 4.50-02	94 N.G 174 N.G 74 N.G
1065 J. NUCLEAR ENERGY 2, 247 (1956) J.E.SANDERS (HARWELL) COINCIDENCE TECHNIQUE. NUCLEAR SCIENCE AND ENGINEERING 8, 66 (1960) J.E.EVANS, R.G.FLUHARTY FOR CORRECTIONS TO U-233/U-235 RATIO RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION OF CF252.	92-U -233 92-U -233 92-U -235 94-PU-239 94-PU-239 94-PU-241 94-PU-241	0. 2.50-08 0. 0. 2.53-08 0. 2.50-08	1 NU-PRMT 1 NU-PRMT C/S RATIO 1 NU-PRMT 1 NU-PRMT 1 NU-PRMT C/S RATIO 1 NU-PRMT 1 NU-PRMT C/S RATIO
1066 J. NUCLEAR ENERGY 6, 1 (1957) G.R.KEEPIN, T.F.WIMETT, R.K.ZEJOLER (LASL) GODIVA MEASUREMENTS. PHYS. REV. 107, 1044 (1957) TID-7547 P.130 (1957) G.R.KEEPIN	90-TH-232 92-U -233 92-U -233 92-U -235 92-U -235 92-U -235 92-U -238 94-PU-239 94-PU-239 94-PU-240	2.00+00 2.00+00 2.50-08 2.50-08 2.00+00 2.00+00 2.53-08 2.50-08 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00	1 NU-DLAY SPECT.AV. 1 NU-DLAY 1 NU-DLAY SPECT.AV. 1 NU-DLAY 1 NU-DLAY SPECT.AV. 1 NU-DLAY SPECT.AV. 1 NU-DLAY SPECT.AV. 1 NU-DLAY SPECT.AV. 1 NU-DLAY SPECT.AV. 1 NU-DLAY SPECT.AV.
1067 J. NUCLEAR ENERGY, PART A, 11, 21 (1959) A.H.JAFFEY, C.T.HIBDON, R.K.SJOBLUM (ANL) RELATIVE TO PU-239, U-235, U-233. PRELIMINARY VALUES ARE REPORTED IN ANL-5396 (1955)	94-PU-241	2.53-08 2.53-08	1 NU-PRMT
1068 J. NUCLEAR ENERGY, PARTS A/B, 15, 102 (1961) A.MOAT, O.S.MATHER, M.H.MC TAGGART (AWRE) LIQUID SCINTILLATION COUNTER	92-U -235 92-U -238 94-PU-240 98-CF-252	7.50-02 1.42+01 1.42+01 1.42+01 -6.68+00-6.68+00 -6.35+00-6.35+00	3 NU-PRMT 1 NU-PRMT 1 NU-PRMT 1 NU-PRMT
1069 YAD. FIZ. 3, 479 (1966) P.E.VOROTNIKOV, S.M.DUBROVINA, G.A.OTROSHCHENKO, V.A.SHIGIN (USSR) TRANSLATION SOVIET J. NUCLEAR PHYS. 3, 348 (1966) PHYS. AND CHEM. OF FISSION. IAEA, SALZBURG, 1, 157 (1965) ANL-TRANS-242 (1965) ABSOLUTE FISSION CROSS SECTION MEASUREMENT AT 720 KEV	94-PU-238	4.90-02 1.40+00	28 N.F155
1070 J. NUCLEAR ENERGY, PARTS A/B, 20, 191 (1966) M.DE VROEY, A.T.G.FERGUSON, N.STARFELT (AERE, HARWELL) PLASTIC SCINTILLATOR	94-PU-240	1.00-01 1.60+00	3 NU-PRMT

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1070

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1070 AERE-PR/NP-7 PAGE 1 (1964)

RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION
OF CF252.1071 J. NUCLEAR ENERGY, PARTS A/B, 20, 549 (1966) P.FIELDHOUSE,
E.R.CULLIFORD, D.S.MATHER, D.W.COLVIN, R.I.MAC DONALD,
M.G.SHERBY (AWRE AND AERE)
BORON PILE.
EANDC(UK)-64S (1965)
RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION
OF CF252.92-U -235 0. 0. 1 NU-PRMT
98-CF-252 -6.35+00-6.35+00 1 NU-PRMT1072 J. NUCLEAR ENERGY, PARTS A/B, 19, 423 (1965) J.L.PERKIN,
P.H.WHITE, P.FIELDHOUSE, E.J.AXTON, P.CROSS, J.C.ROBERTSON
(AWRE AND NPL)
EANDC(UK)-505 (0000)
NEUTRON FLUX DETERMINED BY THREE INDEPENDENT ABSOLUTE FLAT
RESPONSE DETECTORS92-U -233 2.40-02 2.40-02 1 N,FISS
92-U -234 2.40-02 2.40-02 1 N,FISS
92-U -235 2.40-02 2.40-02 1 N,FISS
93-NP-237 2.40-02 2.40-02 1 N,FISS
94-PU-239 2.40-02 2.40-02 1 N,FISS
94-PU-240 2.40-02 2.40-02 1 N,FISS
94-PU-241 2.40-02 2.40-02 1 N,FISS1073 NUCLEAR PHYS. 48, 433 (1963) J.C.HOPKINS, B.C.DIVEN (LASL)
RELATIVE TO SPONTANEOUS FISSION NUBAR OF CF-252. SEE ALSO
PHYS. OF FAST AND INTERMED. REACTORS, VIENNA, SM-18/56(1961)
FOR PRELIMINARY RESULTS.
RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION
OF CF252.92-U -233 0. 3.93+00 8 NU-PRMT
92-U -235 0. 1.45+01 7 NU-PRMT
94-PU-239 0. 1.45+01 7 NU-PRMT
94-PU-240 -6.68+00-6.68+00 1 NU-PRMT
98-CF-252 -6.35+00-6.35+00 1 NU-PRMT1074 NUCLEAR PHYS. 66, 149 (1965) D.S.MATHER, P.FIELDHOUSE, A.MOAT
(AWRE)
LIQUID SCINTILLATOR COUNTER
EANDC(UK)-495 (0000)
RELATIVE TO CF252 SPONTANEOUS FISSION NUBAR P = 3.782+-0.024
RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION
OF CF252.90-TH-232 1.39+00 4.02+00 4 NU-PRMT
92-U -233 0. 4.00+00 5 NU-PRMT
92-U -234 9.90-01 4.00+00 4 NU-PRMT
92-U -235 4.00-02 7.95+00 18 NU-PRMT
92-U -238 1.41+00 4.02+00 4 NU-PRMT
94-PU-239 0. 4.02+00 5 NU-PRMT1075 NUCLEAR SCIENCE AND ENGINEERING 15, 213 (1963)
I.A.SPLUND-NILSSON, H.CONDE, N.STARFELT (RIND, STOCKHOLM)
RELATIVE TO NU FOR SPONTANEOUS FISSION OF CF-252 (3.80).
LIQUID SCINTILLATOR92-U -238 -6.14+00-6.14+00 1 NU-PRMT
94-PU-240 -6.68+00-6.68+00 1 NU-PRMT1076 BULL. AM. PHYS. SOC. 10, 1099 (1965) J.R.SMITH, S.D.REEDER,
R.G.FLUHARTY (PHILLIPS)
CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., P.919 (1966)
J.R.SMITH, E.FAST
100-17140 PAGE 30 (1965)
MTR CRYSTAL SPECTROMETER. WE HAVE DETERMINED ALPHA HERE BY
TAKING NU = 2.494, 2.430 AND 2.871 FOR U233, U235, AND PU239,
RESPECTIVELY92-U -233 2.50-08 5.70-08 2 ETA
92-U -233 2.50-08 5.70-08 2 ALPHA
92-U -235 2.50-08 2.50-08 1 ETA
92-U -235 2.50-08 2.50-08 1 ALPHA
94-PU-239 2.50-08 5.70-08 2 ETA
94-PU-239 2.50-08 5.70-08 2 ALPHA1077 AMERICAN CHEMICAL SOCIETY MEETING, PITTSBURGH (1966)
F.L.LISMAN, W.J.MAECK, J.E.REIN (PHILLIPS PETROLEUM)
(CONF-660303 BOOK 2 PHYSICS T10-4500)92-U -233 2.53-08 2.53-08 1 ALPHA
92-U -233 2.50-08 2.50-08 1 ALPHA SPECT.AV.
92-U -235 2.53-08 2.53-08 1 ALPHA

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=1077

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1077

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

- 1077 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., P.919 (1966)
J.R.SMITH, E.FAST
MASS SPECTROMETER. IRRADIATION IN MTR 92-U -235 2.50-08 2.50-08 1 ALPHA SPECT.AV.
- 1078 SOVIET PROGRESS IN NEUTRON PHYSICS, PAGE 181 (1961)
B.D.KUZ'MINOV (USSR)
(RUSSIAN TEXT PUBLISHED BY GOSATOMIZDAT, MOSCOW, 1961 -
TRANSLATION PUBLISHED BY CONSULTANTS BUREAU, NEW YORK, 1962)
NORMALIZED TO NU BAR PU 235 = 2.9 +/- .04
AEC-TR-4710 (1960) 94-PU-240 3.60+00 1.50+01 2 NU-PRMT
- 1079 SOVIET PROGRESS IN NEUTRON PHYSICS, PAGE 177 (1961)
B.D.KUZ'MINOV (USSR)
(RUSSIAN TEXT PUBLISHED BY GOSATOMIZDAT, MOSCOW, 1961 -
TRANSLATION PUBLISHED BY CONSULTANTS BUREAU, NEW YORK, 1962)
NORMALIZED TO NU-BAR THER U-235 = 2.47 +/- .03 90-TM-232 2.2+00 1.57+01 3 NU-PRMT
92-U -238 2.30+00 3.75+00 2 NU-PRMT
- 1080 EANDC(UK)-96AL (1968) B.H.PATRICK, M.O.SOMERBY, M.G.SCHOMBERG
(AERE)
AERE-PR/NP-14 PAGE 14 (1968)
IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/30 (1966)
B.H.PATRICK, M.G.SCHOMBERG, M.G.SOMERBY, J.E.JOLLY
TIME OF FLIGHT MEASUREMENT OF ETA, ALPHA AND NEUTRON CROSS
SECTIONS. ALPHA HERE IS THE RATIO OF THE AVERAGE CAPTURE
CROSS SECTION TO THE AVERAGE FISSION CROSS SECTION 94-PU-239 1.00-04 2.99-02 5289 N.FISS
94-PU-239 1.00-04 9.08-04 3762 ETA
94-PU-239 1.50-04 2.50-02 29 N.FISS SPECT.AV.
94-PU-239 1.50-04 2.50-02 20 N.G SPECT.AV.
94-PU-239 1.50-04 2.50-02 20 ALPHA SPECT.AV.
- 1081 BULL. AM. PHYS. SOC. 9, 369 (1963) D.K.BUTLER,
R.K.SJDBLOM (ANL)
GAS SCINTILLATION COUNTER. RELATIVE TO U-235 SIGMA F.
DATA TAKEN FROM
BNL-325 (1965)
WASH-1044 PP. 5, 12, 13 (1963) O.K.BUTLER 94-PU-238 1.40-01 1.74+00 75 N.FISS
- 1082 PHYS. REV. 146, 840 (1966) O.F.AUCHAMPAUGH, C.D.BOWMAN,
M.S.COOPS, S.C.FULTZ (LRL)
TIME OF FLIGHT TECHNIQUE. CROSS SECTION DATA OBTAINED FROM
C.F.AUCHAMPAUGH 94-PU-242 2.30-08 3.28-04 183 TOTAL
94-PU-242 2.00-08 4.00-04 1 AV.RES.PARAM.
94-PU-242 2.64-06 3.86-04 16 RES.PARAM.
- 1083 PRIVATE COMMUNICATION (1966) G.F.AUCHAMPAUGH (LRL)
TIME OF FLIGHT TECHNIQUE.
BULL. AM. PHYS. SOC. 10, 1099 (1965)
UCRL-70033 (1966)
AREA ANALYSIS. RESONANCE PARAMETERS BELOW 150 EV REPORTED IN
REFERENCE 1282.
PHYS. REV. 154, 1111 (1967) W.F.STUBBINS, C.O.BOWMAN,
G.F.AUCHAMPAUGH, M.S.COOPS 94-PU-238 2.09-06 2.99-04 209 N.FISS
94-PU-238 2.90-06 2.00-04 1 AV.RES.PARAM.
94-PU-238 1.51-04 2.80-04 6 RES.PARAM.
- 1084 PHYS. REV. 137, 326 (1965) C.D.BOWMAN, M.S.COOPS,
G.F.AUCHAMPAUGH, S.C.FULTZ (LRL)
TIME OF FLIGHT TECHNIQUE. CROSS SECTION NORMALIZED TO 3.13
PLUS/MINUS 0.15 BARNS AT 0.025 EV. CROSS SECTION DATA 95-AM-241 3.21-08 9.00-04 467 N.FISS
95-AM-241 3.10-07 1.50-05 26 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=1084

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1084

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

1084 OBTAINED FROM C.D.BOWMAN. AREA AND SHAPE ANALYSIS.
UCRL-787: (1964)1085 PHYS. AND CHEM. OF FISSION. IAEA. SALZBURG, 2, 25 (1965)
D.W.COLVIN, M.G.SOWERBY (AERE, HARNELL)
PARTIAL DATA PRESENTED IN
AERE-PR/NP-8 PAGE 9 (1965)
BORON PILE MEASUREMENT. WE HAVE TAKEN NU PROMPT AS 2.414
(THERMAL) AND 3.763 FOR U235 AND CF252, RESPECTIVELY
IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/33 (1966)
EANDC(UK)-525 (1965)
RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION
OF CF252.

92-U -233	0.	0.	1	NU-PRMT
92-U -233	2.50-08	2.50-08	1	NU-PPHT C/S RATIO
92-U -235	0.	0.	1	NU-PRMT
92-U -235	1.01-01	2.57+00	9	NU-PRMT C/S RATIO
94-PU-239	0.	0.	1	NU-PRMT
94-PU-239	2.50-08	2.50-08	1	NU-PRMT C/S RATIO
94-PU-240	-6.66+00	-6.66+00	1	NU-PRMT
94-PU-240	-6.66+00	-6.66+00	1	NU-PRMT C/S RATIO
94-PU-241	0.	0.	1	NU-PRMT
94-PU-241	2.50-08	2.50-08	1	NU-PRMT C/S RATIO
98-CF-252	-6.35+00	-6.35+00	1	NU-PRMT
98-CF-252	-6.35+00	-6.35+00	1	NU-PRMT C/S RATIO

1086 AERE-PR/NP-8 PAGE 10 (1965) N.J.PATTENDEN (AERE)
DETERMINES AVERAGE CAPTURE FROM PREVIOUS MEASUREMENTS

94-PU-241	4.79-05	4.58-03	7	ABSORP SPECT.AV.
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1087 J. NUCLEAR ENERGY 22, 53 (1968) H.CONDE, J.HANSEN,
H.HOLMBERG (SWEDEN)
EANDC(OR)-444 PAGE 1 (1966)
EANDC(OR)-521 (0000)
IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/19 (1966)
LARGE LIQUID SCINTILLATOR, RELATIVE TO NU=3.764 FOR
THE SPONTANEOUS FISSION OF CF252
RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION
OF CF252.

94-PU-239	4.22+00	1.48+01	5	NU-PRMT
94-PU-241	5.20-01	1.48+01	5	NU-PRMT

1088 ANL-6800 PAGE 124 (1961) A.H.JAFFEY, J.L.LERNER (ANL)
BNL-732 (N-6) PAGE 2 (1962)
SCINTILLATION DETECTOR

90-TH-229	2.53-08	2.53-08	1	NU-PRMT
92-U -232	2.53-08	2.53-08	1	NU-PRMT
93-NP-236	2.50-08	2.50-08	1	N.FISS
93-NP-236	2.53-08	2.53-08	1	NU-PRMT

1089 BNL-732 (N-6) PAGE 2 (1962) R.V.BABCOCK (WESTINGHOUSE)
MEASUREMENTS RELATIVE SIGMA F U-238

90-TH-232	1.30+01	1.80+01	5	N.FISS
92-U -234	1.30+01	1.80+01	5	N.FISS

1090 J. NUCLEAR ENERGY 21, 671 (1967) P.H.WHITE, G.P.WARNER (AMRE)
MEASUREMENTS RELATIVE TO U235 FISSION CROSS SECTIONS.
PRELIMINARY RESULTS PUBLISHED IN
CNR/PR-6 P.20 (1965)
CNR/PR-3 P.22 (1964)
EANDC(UK)-775 (0100)

92-U -233	1.00+00	1.41+01	4	N.FISS
92-U -233	1.00+00	1.41+01	4	N.FISS C/S RATIO
92-U -234	1.00+00	1.41+01	4	N.FISS
92-U -234	1.00+00	1.41+01	4	N.FISS C/S RATIO
92-U -236	1.00+00	1.41+01	4	N.FISS
92-U -236	1.00+00	1.41+01	4	N.FISS C/S RATIO
92-U -238	2.25+00	1.41+01	3	N.FISS
92-U -238	2.25+00	1.41+01	3	N.FISS C/S RATIO
93-NP-237	1.00+00	1.41+01	4	N.FISS
93-NP-237	1.00+00	1.41+01	4	N.FISS C/S RATIO
94-PU-239	1.00+00	1.41+01	4	N.FISS
94-PU-239	1.00+00	1.41+01	4	N.FISS C/S RATIO
94-PU-240	1.00+00	1.41+01	4	N.FISS
94-PU-240	1.00+00	1.41+01	4	N.FISS C/S RATIO
94-PU-241	1.00+00	1.41+01	4	N.FISS

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-175 ***

REF.NO.=1080

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1090	94-PU-241	1.00+00 1.41+01	4	N,FISS C/S RATIO
1091 PHYS. AND CHEM. OF FISSION. IAEA. SALZBURG, 1, 219 (1965) P.H.WHITE, J.G.HODGKINSON, G.J.WALL (AKRE) RELATIVE TO U-235 SIGMA F	92-U -233	4.00-02 4.15-01	5	N,FISS
	92-U -233	4.00-02 5.05-01	6	N,FISS C/S RATIO
	92-U -234	4.00-02 5.05-01	5	N,FISS
	92-U -234	4.00-02 5.05-01	5	N,FISS C/S RATIO
	92-U -236	1.27-01 5.05-01	3	N,FISS
	92-U -236	1.27-01 5.05-01	3	N,FISS C/S RATIO
	93-NP-237	4.00-02 5.05-01	5	N,FISS
	93-NP-237	4.00-02 5.05-01	5	N,FISS C/S RATIO
	94-PU-239	4.00-02 5.05-01	5	N,FISS
	94-PU-239	4.00-02 5.05-01	5	N,FISS C/S RATIO
	94-PU-241	4.00-02 5.05-01	5	N,FISS
	94-PU-241	4.00-02 5.05-01	5	N,FISS C/S RATIO
	94-PU-241	4.00-02 5.05-01	5	N,FISS C/S RATIO
1092 NUCLEAR SCIENCE AND ENGINEERING 5, 49 (1959) G.DE SAUSSURE, E.G.SILVER (ORNL) FAST COINCIDENCE TECHNIQUE, RELATIVE TO NU BAR FOR U-235. WE HAVE TAKEN NU PROMPT FOR U235 (THERMAL) AS 2.414. PRELIMINARY RESULTS REPORTED IN ORNL-2081 PAGE 105 (1956) WASH-191 (1956) RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION OF CF252.	92-U -233	0. 0.	1	NU-PRMT
	92-U -233	2.50-08 2.50-08	1	NU-PRMT C/S RATIO
	94-PU-239	0. 0.	1	NU-PRMT
	94-PU-239	2.50-08 2.50-08	1	NU-PRMT C/S RATIO
	94-PU-241	0. 0.	1	NU-PRMT
	94-PU-241	2.50-08 2.50-08	1	NU-PRMT C/S RATIO
1093 NRDC-139 (EANDC/UK/28-U) PAGE 8 (1963) P.MITCHELL (AERE) MEASUREMENTS MADE RELATIVE TO U-235	94-PU-240	6.10-02 4.85-01	14	N,FISS
1094 AERE-PR/NP-9 PAGE 1 (1966) G.D.JAMES, D.A.J.ENDACOTT (AERE) TIME OF FLIGHT. DATA ENTERED FOR BOTH CADMIUM AND B4C FILTERS. DATA NORMALIZED TO BOLLINGERS DATA	94-PU-239	1.20-06 2.45-02	45	N,FISS SPECT.AV.
1095 ORNL-51-12-151 (1952) H.S.POMERANCE SAF.D ON AU CROSS SECTION = 95 BARNES	92-U -234	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	92-U -236	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	92-U -238	2.50-08 2.50-08	1	ABSORP SPECT.AV.
1096 PHYS. REV. 165, 1298 (1968) H.A.GRENCH, H.O.MENLOVE (LOCKHEED) ACTIVATION TECHNIQUE. LAST CORRECTION TO DATE MADE IN JUNE 1966 BY AUTHORS WASH-1068 PAGE 83 (1966) BULL. AM. PHYS. SOC. 9, 21 (1964) BULL. AM. PHYS. SOC. 8, 478 (1963)	49-IN-113	4.48-01 1.01+00	10	N,N'
	49-IN-113	3.68-01 1.02+00	11	N,N'
	49-IN-113	3.61-01 1.01+00	11	N,N'
	49-IN-115	3.63-01 1.03+01	31	N,N'
	49-IN-115	3.65-01 1.01+00	11	N,N'
	49-IN-115	3.61-01 1.01+00	11	N,N'
	49-IN-115	3.61-01 1.01+00	11	N,N'
1097 CONF. ACAD. SCI. USSR PEACEFUL USES ATOMIC ENERGY, P.131 (1955) V.I.KALASHNIKOV, V.I.LEBEDEV, P.E.SPIVAK, V.P.ZAKHAROVA (USSR) RESULTS ALSO REPORTED IN A/CONF. 2, 228 (1955) H.S.KOZODAYEV COINCIDENCE MEASUREMENT BETWEEN FRAGMENTS AND FAST NEUTRONS RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION OF CF252.	92-U -233	0. 0.	1	NU-PRMT
	94-PU-239	0. 0.	1	NU-PRMT
	94-PU-240	-6.68+00-6.68+00	1	NU-PRMT
	94-PU-241	0. 0.	1	NU-PRMT

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1098

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1098	CONF. ACAD. SCI. USSR PEACEFUL USES ATOMIC ENERGY, P.123 (1955) V.I. KALASHNIKOV, V.I. LEBEDEV, L.A. MIKAEYAN, P.E. SPIVAK, V.P. ZAKHAROVA (USSR) RESULTS ALSO REPORTED IN A/CONF. 2, 228 (1955) M.S. KOZODAYEV COINCIDENCE COUNTING OF FISSIONS AND FAST NEUTRONS. WE HAVE TAKEN NU PROMPT (THERMAL) AS 2.414 AND 2.865 FOR U235 AND PU239, RESPECTIVELY RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION OF CF252.	92-U -233 92-U -233 94-PU-239 94-PU-239 94-PU-241 94-PU-241	0. 2.50-08 2.50-08 0. 2.50-08 2.50-08 0. 2.50-08 2.50-08	1 1 1 1 1 1	NU-PRMT NU-PRMT C/S RATIO NU-PRMT NU-PRMT C/S RATIO NU-PRMT NU-PRMT C/S RATIO
1099	A/CONF. 4, 307 (1955) P.A. EGELSTAFF, J.E. SANDERS (HARWELL) NU RESULTS NORMALIZED TO U-235 (1.0253 EV) = 2.45 PLUS/MINUS .015 ETA MEASUREMENTS NORMALIZED TO U-235 (1.0253 EV) = 2.04 PLUS/MINUS .04. WE HAVE DETERMINED ALPHA BY TAKING NU = 2.499 AND 2.871 FOR U233 AND PU239, RESPECTIVELY	92-U -233 92-U -233 92-U -233 92-U -233 92-U -233 94-PU-239 94-PU-239 94-PU-239 94-PU-239 94-PU-239 94-PU-241 94-PU-241	2.5-08 2.53-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.53-08 2.53-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.53-08 2.53-08 2.50-08 2.50-08	1 1 1 1 1 1 1 1 1 1 1 1 1	NU-PRMT ETA ALPHA NU-PRMT C/S RATIO ETA C/S RATIO NU-PRMT ETA ALPHA NU-PRMT C/S RATIO ETA C/S RATIO NU-PRMT NU-PRMT C/S RATIO
1101	PHYS. AND CHEM. OF FISSION. IAEA, SALZBURG, 1, 281 (1955) M. DE VREEDE, A.T.G. FERROUSON, N. STARFELT (AERE) AERE-PR/NP-7 PAGE 1 (1984) RELATIVE TO U-235 FISSION CROSS SECTION BNL-325 (1959)	94-PU-240	3.00-02 4.00-01	11	N,FISS
1102	J. NUCLEAR ENERGY, PARTS A/B, 18, 561 (1964) P. RUDDICK, P.H. WHITE (ALDERMASTON) CROSS SECTION RELATIVE TO U-235 FISSION (WHITE'S DATA) AND CORRECTED FOR PU-239 AND PU-241	94-PU-240	6.10-02 4.85-01	13	N,FISS
1103	IDO-16917 PAGE 14 (1963) J.R. BERRETH, M.S. MOORE, O.D. SIMPSON (PHILLIPS) MTR FAST CHOPPER, SINGLE LEVEL, SHAPE ANALYSIS. FINALIZED CROSS SECTION IS GIVEN IN REFERENCE 1308. SEE ALSO TRANS. AM. NUCLEAR SOC. 6, 44 (1963) IDO-16898 PAGE 9 (1963) IDO-17081 PAGE 49 (1965)	92-U -232	5.94-06 7.50-05	12	RES. PARAM.
1104	BULL. AM. PHYS. SOC. 1, 248 (1956) B.R. LEONARD, JR., E.J. SEPP, W.J. FRIESEN, E.M. KINDERMAN (MANFORD) CRYSTAL SPECTROMETER HW-44525 P.43 (1956) HW-47012 P.51 (1956)	94-PU-240	3.15-07 1.28-06	45	N,FISS
1105	J. NUCLEAR ENERGY, PART A, 11, 14 (1959) N.J. PATTENDEN, V.S. RAINEY (HARWELL) CRYSTAL SPECTROMETER. SEE ALSO REFERENCE 2139	94-PU-240 94-PU-240	2.53-08 7.88-07 1.05-06 1.05-06	289 3	TOTAL RES. PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=1105

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1105

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1105 AERE-NP/62N-9 (1959)

1106 PRIVATE COMMUNICATION (1956) R.L.ZIMMERMAN
VIA BNL SIGMA CENTER. FAST CHOPPER. ENRICHED EV ISOTOPES

63-EU-151	4.84-06	2.70-05	40 RES.FISSION
63-EU-153	4.75-06	2.41-05	26 RES.PARAM.
79-AU-197	4.65-05	4.65-05	2 RES.PARAM.
94-PU-240	8.17-07	1.41-06	52 TOTAL
94-PU-240	1.05-06	1.05-06	3 RES.PARAM.

1107 NUCLEAR PHYS. 65, 353 (1965) G.D.JAMES (HARWELL)
TIME OF FLIGHT METHOD. NORMALIZED TO 1010 BARNS AT 0.0253 EV.
PHYS. AND CHEM. OF FISSION. 1AEA. SALZBURG, 1, 235 (1965)
AERE-PR/NP-6 P.3 (1964) G.D.JAMES, D.A.J.ENDACOTT
MULTILEVEL ANALYSIS ASSUMING GAMMA-GAMMA = 0.040 EV. THE
SIGNS ON THE FISSION WIDTHS ARE TO BE ASSOCIATED WITH THE
FISSION INTERFERENCE TERM. THE STRENGTH FUNCTION WAS DETER-
MINED UTILIZING THE DATA OF REFERENCE 1194 BELOW 12 EV.
600,200 AND 69 BARN/ATOM SAMPLE THICKNESS

94-PU-241	8.42-09	2.46-03	1628 N.FISSION
94-PU-241	0.	2.00-05	2 AV.RES.PARAM.
94-PU-241	1.26-05	1.67-05	12 RES.PARAM.

1108 PRIVATE COMMUNICATION (1958) E.J.SEPPI (HANFORD)
VIA BNL SIGMA CENTER

94-PU-241	2.57-08	9.38-07	62 N.FISSION
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1109 PHYS. REV. 133, 390 (1964) T.WATANABE, O.D.SIMPSON (PHILLIPS)
MTR FAST CHOPPER. CROSS SECTION NORMALIZED TO 406 PLUS/MINUS
10 BARNS AT 6 EV. DATA ABOVE 2 EV IS SUPERCEDED BY THAT OF
REFERENCE 1110.
BULL. AM. PHYS. SOC. 7, 303 (1962)
TRANS. AM. NUCLEAR SOC. 6, 43 (1963)
IDO-16995 (1964)
NO 0.35 MICROSEC/M RESULTS USED HERE BECAUSE OF POOR
STATISTICS

94-PU-241	2.36-08	1.96-06	448 N.FISSION
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1110 PHYS. REV. 135, 945 (1964) M.S.MOORE, O.D.SIMPSON,
T.WATANABE, J.E.RUSSELL, R.W.HOCKENBURY (PHILLIPS AND RP1)
TIME OF FLIGHT TECHNIQUE. CROSS SECTION NORMALIZED TO 406
BARNS AT 6 EV.
IDO-16976 (1964)
FOR TABULATION. MULTILEVEL ANALYSIS ASSUMING GAMMA-GAMMA =
0.040 EV. THE SIGNS ON GAMMA FISSION ARE TO BE ASSOCIATED
WITH THE FISSION INTERFERENCE TERM

94-PU-241	2.24-06	9.95-05	1018 N.FISSION
94-PU-241	4.27-06	3.49-05	42 RES.PARAM.

1111 BULL. AM. PHYS. SOC. 3, 176 (1958) R.B.SCHWARTZ (BNL)
FAST CHOPPER

94-PU-241	1.05-08	5.40-07	45 TOTAL
94-PU-241	2.50-07	2.50-07	4 RES.PARAM.

1112 NUCLEAR SCIENCE AND ENGINEERING 11, 111 (1961) O.D.SIMPSON,
R.P.SCHUMAN (PHILLIPS)
MTR FAST CHOPPER
IDO-16879 (1961) O.D.SIMPSON, N.H.MARSHALL
FOR TABULATED DATA. REFERENCE 1194 FOR THE RESONANCE ANALYSIS

94-PU-241	1.99-08	5.32-04	1753 TOTAL
94-PU-241	0.	2.00-03	3 AV.RES.PARAM.

1113 CAN. J. PHYS. 42, 2384 (1964) D.S.CRAIG,
C.W.WESTCOTT (CHALK RIVER)
CHOPPER. RESOLUTIONS UP TO 20 NSEC/M.

94-PU-241	2.50-08	1.00-03	718 TOTAL
94-PU-241	0.	3.10-05	2 AV.RES.PARAM.
94-PU-241	1.47-05	3.10-05	48 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=1113

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1113

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

- 1113 CRPP-1186 (AECL-1949) (1964)
FOR DATA TABULATION.
BULL. AM. PHYS. SOC. 7, 305 (1962)

- 1114 PRIVATE COMMUNICATION (1964) N.J. PATTENDEN (HARWELL)
VIA BNL SIGMA CENTER. SMALL SAMPLE. TIME OF FLIGHT
SPECTROMETER. RESOLUTION WAS 0.6 PERCENT BELOW 150 EV AND
17 NSEC/M ABOVE 150 EV.
BULL. AM. PHYS. SOC. 9, 178 (1964) N.J. PATTENDEN, S. BARDSELY
AERE-PR/NP-7 P.6 (1964)
AERE-PR/NP-6 P.10 (1964)
ANL-6797 P.369 (1963)
RESONANCE PARAMETERS OBTAINED BY AREA ANALYSIS
SAMPLE THICKNESS OF 128, 230, 840 AND 1700 BARN/ATOM. THIN
SAMPLE DATA USED OVER THE RESONANCES. THICK SAMPLE DATA USED
IN THE VALLEYS. DATA NEAR 2.66 EV NEGLECTED BECAUSE OF RESON-
ANCE IN PU242 CONTAMINANT. ABOVE 15 EV, THE DATA FOR THE 230
B/A SAMPLE APPEARED SPORADIC WITH RESPECT TO THE SAMPLE
THICKNESS ON EACH SIDE (128 AND 840 B/A). IT WAS THEREFORE
UTILIZED ONLY WHEN IT WAS CONSISTENT WITH THE OTHER
THICKNESSES

94-PU-239 1.09-05 1.09-05 1 RES. PARAM.
94-PU-241 2.34-06 2.08-24 2079 TOTAL
94-PU-241 0. 5.00-03 2 AV. RES. PARAM.
94-PU-241 1.27-05 5.04-05 66 RES. PARAM.
94-PU-242 2.66-06 2.66-06 1 RES. PARAM.
95-AM-241 1.92-06 2.32-06 2 RES. PARAM.

- 1115 PHYS. REV. 114, 505 (1959) R.E. COTE, L.M. BOLLINGER,
R.F. BARNES, H. DIAMOND (ARGONNE)
FAST CHOPPER. BEST RESOLUTION WAS 80 NSEC/M.
PHYS. REV. LETTERS 2, 136 (1959)
SHAPE AND AREA ANALYSIS. GAMMA-GAMMA'S ASSUMED IN THE HIGHER
ENERGY RESONANCES WERE PU-240 (0.032 EV), PU-242 (0.0251 EV)
AND AM-243 (0.042 EV). G WAS ASSUMED TO BE 1/2 FOR AM-243

94-PU-240 1.05-06 3.82-05 10 RES. PARAM.
94-PU-242 2.33-06 5.47-03 50 TOTAL
94-PU-242 0. 5.36-03 1 AV. RES. PARAM.
94-PU-242 2.65-06 5.36-03 7 RES. PARAM.
95-AM-243 1.30-08 1.54-03 200 TOTAL
95-AM-243 0. 1.50-05 1 AV. RES. PARAM.
95-AM-243 1.07-08 1.53-05 39 RES. PARAM.

- 1116 PHYS. REV. 109, 471 (1958) J.A. HARVEY, D.J. HUGHES (BNL)
FAST CHOPPER. CROSS SECTION TAKEN FROM
BNL-325 2ND ED. (1958)
RESOLUTION VARIED FROM 60 NSEC/M UP TO 95 NSEC/M.

92-U -234 2.70-06 6.00-04 260 TOTAL
92-U -234 0. 1.55-04 3 AV. RES. PARAM.
92-U -234 5.20-06 3.69-04 41 RES. PARAM.
92-U -234 2.75-06 7.00-04 241 TOTAL
92-U -234 0. 1.40-04 3 AV. RES. PARAM.
92-U -236 5.49-06 3.84-04 27 RES. PARAM.

- 1117 PRIVATE COMMUNICATION (1966) C.D. BOWMAN, R.W. HOFF,
O.F. AUCHANPAUGH, S.C. FULTZ (LRL)
IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/38 (1966)
PHYS. REV. 166, 1219 (1968)
NUCLEAR SCIENCE AND ENGINEERING 3P, 131 (1968) S.T. PERKINS,
O.F. AUCHANPAUGH, R.W. HOFF, C.D. BOWMAN
TIME OF FLIGHT TECHNIQUE
NEITHER EN OR CROSS SECTION IS ACCURATE TO MORE THAN 3
SIGNIFICANT FIGURES. DATA BELOW 3 EV AND ABOVE 300 KEV
CORRECTED FOR AM-241 CONTAMINANT. CROSS SECTION ABOVE 1 KEV
WAS MEASUREMENT RELATIVE TO THE FISSION CROSS SECTION OF
PU-239. GAMMA-GAMMA ASSUMED TO BE 0.05 EV

95-AM-242 1.95-08 5.69+00 1191 N.F.155
95-AM-242 0. 3.25-06 3 AV. RES. PARAM.
95-AM-242 1.73-07 3.20-06 30 RES. PARAM.

- 1118 ATOMNAYA ENERGIYA 1, 27 (1956) B.G. EROZOLIMSKY, I.E. KUTIKOV,
YU.P. DOBYNIN, M.I. PEVZNER, L.S. DANEL'YAN, S.S. MOSKALEV

94-PU-240 4.60-07 1.46+01 1 ABSORP RES. INT.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF. NO. = 1118

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1118

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

- 1118 (USSR)
TRANSLATED IN
J. NUCLEAR ENERGY 4, 86 (1957)
GD AND CD FILTERS. PU-240 CONTENT FROM TRANSMISSION CURVES
- 1119 ATOMNAYA ENERGIYA 1, 130 (1956) B.V.EFIMOV, Y.I.MITYAEV
(USSR)
TRANSLATED IN
J. NUCLEAR ENERGY 5, 158 (1957)
IRRADIATION IN REFLECTOR 235 ORAPHITE REACTOR BETA
COINCIDENCE COUNTING. RELATIVE TO GOLD
- 1120 ATOMNAYA ENERGIYA 2, 18 (1957) V.I.KALASHNIKOV, V.I.LEBEDEV,
P.E.SPIVAK (USSR)
TRANSLATED IN
SOVIET J. ATOMIC ENERGY 2, 17 (1957)
NUMBER OF FISSION EVENTS WAS COUNTED SIMULTANEOUSLY WITH
NUMBER OF COINCIDENCE BETWEEN FRAGMENTS AND FISSION NEUTRON.
DATA NORMALIZED TO C.H.WESTCOTT ET AL. DATA. SEE
ATOMNAYA ENERGIYA REVIEW 3, 3 (1965)
- 1121 ATOMNAYA ENERGIYA 4, 188 (1958) G.N.SHIRENKIN,
I.I.BONDARENKO, L.S.KUTSAEVA, KH.D.MISHCHENKO,
L.I.PROKHOROVA, B.P.SHEMETENKO (USSR)
DOUBLE IONIZATION FISSION CHAMBER. TRANSLATED IN
SOVIET J. ATOMIC ENERGY 4, 253 (1958)
- 1122 ATOMNAYA ENERGIYA 5, 71 (1958) A.N.PROTOPPOV, M.V.BLINOV
(USSR)
TRANSLATED IN
SOVIET J. ATOMIC ENERGY 5, 865 (1958)
NORMALIZED TO V TH(233) = 2.52 +- .03
- 1123 ATOMNAYA ENERGIYA 5, 176 (1958) V.I.LEBEDEV, V.I.KALASHNIKOV
(USSR)
TRANSLATED IN
SOVIET J. ATOMIC ENERGY 5, 1019 (1958)
NORMALIZED TO V (U235) = 2.47 +- .03. COINCIDENCE METHOD
- 1124 ATOMNAYA ENERGIYA 10, 371 (1961) V.I.LEBEDEV,
V.I.KALASHNIKOV (USSR)
IONIZATION CHAMBER. NORMALIZED TO V T (U235) = 2.47 +- .03
TRANSLATED IN
SOVIET J. ATOMIC ENERGY 10, 357 (1962)
- 1125 ATOMNAYA ENERGIYA 18, 181 (1965) A.A.MALINKIN, F.NASYROV,
Y.E.KOLESOV (USSR)
MEASUREMENTS RELATIVE TO SIGMA F(PU239)
- 92-U -236 2.50-08 2.50-08 1 N,0 SPECT.AV.
- 92-U -233 2.00+00 2.00+00 1 NU-PRMT SPECT.AV.
92-U -235 2.00+00 2.00+00 1 NU-PRMT SPECT.AV.
94-PU-239 2.00+00 2.00+00 1 NU-PRMT SPECT.AV.
- 92-U -233 4.00+00 1.50+01 2 NU-PRMT
92-U -235 4.00+00 1.50+01 2 NU-PRMT
94-PU-239 4.00+00 1.50+01 2 NU-PRMT
- 92-U -233 1.48+01 1.48+01 1 NU-PRMT
- 95-AM-241 2.53-03 2.53-08 1 NU-PRMT
95-AM-241 2.50-08 2.50-08 1 NU-PRMT C/S RATIO
- 93-NP-237 2.00+00 2.00+00 1 NU-PRMT SPECT.AV.
- 3-LI-6 2.30-01 2.30-01 1 N,A SPECT.AV.
79-AU-197 2.30-01 2.30-01 1 N,0 SPECT.AV.
52-U -233 2.30-01 2.30-01 1 N,FISS SPECT.AV.
92-U -235 2.30-01 2.30-01 1 N,FISS SPECT.AV.
92-U -238 2.30-01 2.30-01 1 N,FISS SPECT.AV.
93-NP-237 2.30-01 2.30-01 1 N,FISS SPECT.AV.
94-PU-239 2.30-01 2.30-01 1 N,FISS SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-180 ***

REF.NO.=1125

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1125

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1125	94-PU-240	2.30-01 2.30-01	1	N,FISS SPECT.AV.
1126 CHINESE J. PHYS. 1, 9 (1963) L-S.CHUNG, M-T.LU (TIAWAN) BASED ON SIGMA F = 1.22 PLUS/MINUS 0.65 BARNS VAN DE GRAAFF ACCELERATOR.	92-U -238	1.40+01 1.40+01	1	NU-PRMT
1127 COMPT. REND. 241, 392 (1955) J.M.AUCLAIR, P.HUBERT, R.JOLY, G.VENDRYES (FRANCE) NORMALIZED TO CO-59, 34.8 PLUS/MINUS 2 BARNS AND U235 SIGMA (N,GAMMA) = 107 PLUS/MINUS 6 BARNS THERMAL VALUES J. PHYS. RADIUM 17, 564 (1956) J.CHARON, P.HUBERT, R.JOLY	92-U -236	2.50-08 2.50-08	1	N,G
1128 CAN. J. PHYS. 32, 498 (1954) K.W.SEIGER, D.C.ROSE (NRC) DATA FITTED TO POISSON DISTRIBUTION	92-U -238	-6.14+00-6.14+00	1	NU-PRMT
1129 J. INORG. NUCLEAR CHEM. 1, 262 (1955) P.R.FIELDS, M.H.STUDIER, A.M.FRIEDMAN, H.DIAMOND, R.K.SJOBLOM, P.A.SELLERS (ANL) PILE MEASUREMENTS	94-PU-244	2.50-08 2.50-08	1	N,G SPECT.AV.
1130 J. INORG. NUCLEAR CHEM. 9, 1 (1959) J.HALPERIN, J.H.OLIVER, H.S.POWERANCE (ORNL) PILE OSCILLATOR, BASED ON SIGMA 2200 (AU)=99 BARNS MN=2.24 X 0.001 EV AND M GAMMA=37 X 0.001 EV FOR THE 1.055 EV RESONANCE IN PU240	94-PU-240	2.50-08 2.50-08	1	ABSORP
1131 J. INORG. NUCLEAR CHEM. 28, 2467 (1966) M.J.CABELL, M.WILKINS (AERE) MASS ANALYSES AERE-R-5166 (1966)	94-PU-239 94-PU-239 94-PU-239 94-PU-239 94-PU-239 94-PU-239 94-PU-239 94-PU-240 94-PU-240 94-PU-241 94-PU-241 94-PU-241 94-PU-241 94-PU-241 94-PU-241 94-PU-241	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.53-08 2.53-08 2.50-08 2.50-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ABSORP N,G ALPHA ABSORP SPECT.AV. N,G SPECT.AV. ALPHA SPECT.AV. N,G SPECT.AV. N,G SPECT.AV. ALPHA SPECT.AV. N,G SPECT.AV. ALPHA SPECT.AV.
1132 LA-1502 (1953) E.HADDAD, J.E.HAND, D.R.SMITH, W.W.CARTER (LASL) NORMALIZED TO PU240 SPONTANEOUS FISSION RATE OF 1.66 X 1000000 FISSIONS/GRAM HR.	94-PU-240	0.00+00 0.68+00	1	NU-PRMT
1133 J. NUCLEAR ENERGY, PART A, 12, 101 (1950) R.SHER, J.L.LEROY (BNL AND SACLAY) NORMALIZED TO SIGMA F(3200)U235=2.47 +/- .03. SEE REF.1372	92-U -238 92-U -238	-6.14+00-6.14+00 2.80+00 2.80+00	1 1	NU-PRMT NU-PRMT SPECT.AV.
1134 J. PHYS. RADIUM 19, 66 (1958) S.BLAISE, M.GAUDIN, R.JOLY, J.L.LERDY, G.VENDRYES (SACLAY)	92-U -238	1.42+01 1.42+01	1	NU-PRMT

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-18; ***

REF.NO.=1134

07/04/76

ECSIL-7600 BIBL OGRAPHY (REF. NO. ORDERED)

REF.NO.=1134

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1134 FISSION CHAMBER. NORMALIZED TO SIGMA F 2200 M/SEC U25 = 2.47
+/- 0.03. SEE ALSO REF.1375

1135 NUCLEAR SCIENCE AND ENGINEERING 1, 62 (1956) P.R.FIELDS,
G.L.PYLE, M.G.INGRAM, H.DIAMOND, M.H.STUDIER,
W.H.MANNING (ORNL)
PILE MEASUREMENT. SEE ALSO REFERENCE 1141 AND 1187

94-PU-240	2.50-08	2.50-08	1	N,0	SPECT.AV.
94-PU-241	2.50-08	2.50-08	1	ABSORP	SPECT.AV.
94-PU-241	2.50-08	2.50-08	1	N,FISS	SPECT.AV.
94-PU-241	2.50-08	2.50-08	1	N,0	SPECT.AV.

1136 NUCLEAR SCIENCE AND ENGINEERING 5, 32 (1959) B.R.LEONARD,JR.,
E.J.SEPP1, W.J.FRIESEN (HANFORD)
CRYSTAL SPECTROMETER. WE HAVE NORMALIZED TO CRDSS SECTION TO
127,000 BARNS AT THE RESONANCE PEAK (CORRESPONDING TO A SIGMA
ZERO OF 187,000 BARNS). RESOLUTION AT 1 EV HAS 0.0075 EV.

94-PU-240	9.64-07	1.13-06	50	TOTAL	
94-PU-240	9.64-07	1.13-06	50	TOTAL	
94-PU-240	1.05-06	1.05-06	1	RES.PARAM.	

1137 NUCLEAR SCIENCE AND ENGINEERING 9, 341 (1961) J.HARDY,JR.,
D.KLEIN, G.O.SMITH (WESTINGHOUSE)
C/RATIO METHOD, RELATIVE TO AM-197
WAPD-MR-J-8 P.2 (1959)

92-U -235	5.00-07	1.46+01	1	N,FISS	RES.INT.
94-PU-239	5.00-07	1.46+01	1	N,FISS	RES.INT.
94-PU-241	5.00-07	1.46+01	1	N,FISS	RES.INT.

1138 NUCLEAR SCIENCE AND ENGINEERING 11, 397 (1961) H.CONDE.
N.STARFELT (SWEDEN)
LIQUID SCINTILLATOR
PHYS. AND CHEM. OF FISSION. IAEA. SALZBURG, 2, 57 (1965)
H.CONDE, M.HOLMBERG
FOR CORRECTIONS
RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION
OF CF252.

90-TH-232	1.42+00	1.49+01	9	NU-PRMT	
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1139 PHYSICA 22, 1187 (1956) H.H.LANDON, M.JACOB (SACLAY)
VALUE NORMALIZED TO THERMAL VALUE OF 2.87 AS GIVEN BY
C.H.WESTCOTT ET AL.
ATOMNAYA ENERGIYA REVIEW 3, 3 (1965)

94-PU-239	2.00+00	2.00+00	1	NU-PRMT	SPECT.AV.
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1140 PHYS. REV. 89, 320 (1953) R.ELSON, W.C.BENTLEY, A.GHIOSSO,
Q.VAN WINKLE (ANL)
HEAVY WATER PILE

92-U -232	2.50-08	2.50-08	1	N,FISS	SPECT.AV.
92-U -232	2.50-08	2.50-08	1	N,0	SPECT.AV.

1141 PHYS. REV. 93, 1433 (1954) M.H.STUDIER, P.R.FIELDS,
P.A.SELLERS, A.M.FRIEDMAN, C.H.STEVENS, J.F.MECH, H.DIAMOND,
J.SEDLET, J.R.HUIZENGA (ORNL)
PILE OSCILLATOR

94-PU-242	2.50-08	2.50-08	1	N,0	SPECT.AV.
94-PU-243	2.50-08	2.50-08	1	N,0	SPECT.AV.

1142 PHYS. REV. 97, 242 (1955) W.W.T.CRANE, G.H.HIGGINS,
S.G.THOMPSON (UCRL)
SEE ALSO P.1727 FOR ERRATA. DIRECT COUNTING

98-CF-252	-6.35+00	-6.35+00	1	NU-PRMT	
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1143 PHYS. REV. 98, 1521 (1955) D.A.HICKS, J.ISE,JR.,
R.V.PYLE (UC)
CD LOADED SCINTILLATOR NORMALIZED TO NU-BAR FOR PU240

96-CM-244	-6.86+00	-6.86+00	1	NU-PRMT	
98-CF-252	-6.35+00	-6.35+00	1	NU-PRMT	

1144 PHYS. REV. 99, 183 (1955) G.H.HIGGINS, W.W.T.CRANE,
S.R.GUNN (UCRL)

96-CM-244	-6.86+00	-6.86+00	1	NU-PRMT	
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REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-182 ***

REF.NO.=1144

07/04/78

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1144

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1144 MANGANOUS SULPHATE MODERATOR-ABSORBER SYSTEM. NORMALIZED TO
CM242 V=3.03 PLUS/MINUS 0.3

1145 PH'S. REV. 101, 1012 (1956) B.C.DIVEN, H.C.MARTIN,
R. TASCHEK, J.TERRELL (LASL)
LIQUID SCINTILLATOR. NORMALIZED TO NU-BAR (U25)=2.46 PLUS/
MINUS .03

92-U -233 8.00-02 8.00-02 1 NU-PRMT
92-U -235 8.00-02 8.00-02 1 NU-PRMT
94-PU-239 8.00-02 8.00-02 1 NU-PRMT
94-PU-240 -6.68+00-6.68+00 1 NU-PRMT
96-CM-244 -6.86+00-6.86+00 1 NU-PRMT
98-CF-252 -6.35+00-6.35+00 1 NU-PRMT

1146 PHYS. REV. 101, 1016 (1956) D.A.HICKS, J.ISE, JR.,
R.V.PYLE (UC)
CADMIUM-LOADED LIQUID SCINTILLATION TANK NORMALIZED TO PU240
NU-BAR = 2.257 +/- .046

94-PU-236 -7.35+00-7.35+00 1 NU-PRMT
94-PU-239 -7.01+00-7.01+00 1 NU-PRMT
94-PU-242 -6.36+00-6.36+00 1 NU-PRMT
96-CM-242 -7.20+00-7.20+00 1 NU-PRMT
96-CM-244 -6.86+00-6.86+00 1 NU-PRMT
98-CF-252 -6.35+00-6.35+00 1 NU-PRMT

1147 PHYS. REV. 101, 1804 (1956) W.W.T.CRANE, G.H.HIGGINS,
H.R.BOWMAN (UCRL)
MEASUREMENTS ARE RELATIVE TO CF252 AND CM244, 3.53 +/- .15
AND 2.6 +/- .12 RESPECTIVELY

94-PU-236 -7.35+00-7.35+00 1 NU-PRMT
94-PU-239 -7.01+00-7.01+00 1 NU-PRMT
94-PU-240 -6.68+00-6.68+00 1 NU-PRMT
94-PU-242 -6.36+00-6.36+00 1 NU-PRMT
96-CM-242 -7.20+00-7.20+00 1 NU-PRMT
96-CM-244 -6.86+00-6.86+00 1 NU-PRMT
98-CF-252 -6.35+00-6.35+00 1 NU-PRMT

1148 PHYS. REV. 102, 766 (1956) G.R.CHOPPIN, B.G.HARVEY,
D.A.HICKS, J.ISE, JR., R.V.PYLE (UC)
LIQUID SCINTILLATOR. NORMALIZED TO NU-BAR(CF252)=3.82 +/-
0.12

100-FM-254 -6.78+00-6.78+00 1 NU-PRMT

1149 PHYS. REV. 102, 1621 (1956) E.K.HULET, H.R.BOWMAN,
M.C.MICHEL, R.W.HOFF (UCRL)
BASED ON SIGMA F(2200) FOR PU239-750 BARNES

94-PU-240 2.50-08 2.50-08 1 N.FISS SPECT.AV.

1150 PHYS. REV. 103, 634 (1956) J.P.BUTLER, T.A.EASTWOOD,
T.L.COLIINS, M.E.JONES, F.M.ROURKE, R.P.SCHUMAN
(CHALK RIVER AND KAPL)
SPECIFIC ALPHA ACTIVITIES MEASUREMENT
NASH-191 P.20 (1956)

94-PU-244 2.50-08 2.50-08 1 N.C SPECT.AV.

1151 PHYS. REV. 115, 1242 (1959) A.B.SMITH, R.G.NOBLIS,
S.A.COX (ANL)
FISSION CHAMBER. NORMALIZED TO NU(U238) = 2.63

90-TH-232 1.40+00 1.40+00 1 NU-PRMT
90-TH-232 1.40+00 1.40+00 1 NU-PRMT C/S RATIO

1152 PHYS. REV. 115, 1271 (1959) J.E.GINDLER, J.GRAY, JR.,
J.R.HUIZENGA (ANL)
THERMAL COLUMN NORMALIZED TO PU239 SIGMA F = 739 +/- 9.

94-PU-236 2.50-08 2.50-08 1 N.FISS SPECT.AV.
94-PU-237 2.50-08 2.50-08 1 N.FISS SPECT.AV.

1153 PHYS. REV. 123, 2140 (1961) A.B.SMITH, R.K.SJOBLOM,
J.H.ROBERTS (ANL AND NORTHWESTERN U.)
NORMALIZED TO NU-BAR (U25)=2.43 PLUS/MINUS .03, T=1.335 PLUS/
MINUS .034 MEV

94-PU-241 0. 0. 1 NU-PRMT
94-PU-241 2.50-08 2.50-08 1 NU-PRMT C/S RATIO
94-PU-241 2.50-08 2.50-08 1 NUCLEAR TEMP.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-183 ***

REF.NO.=1153

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1153

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1153 RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION OF CF252.

1154 PHYS. REV. 126, 197 (1962) J.W.MEADOWS, J.F.WHALEN (ANL)
NORMALIZED TO CF252 NU-BAR = 3.754 PLUS/MINUS .04592-U -235 3.00-02 1.76+00
98-CF-252 -6.35+00-6.35+006 NU-PRMT
1 NU-PRMT1155 PHYS. REV. 133, 1403 (1964) D.S.HATHER, P.FIELDHOUSE,
A.MOAT (AMRE)
LIQUID SCINTILLATOR ABSOLUTE VALUES ARE BASED ON NU-BAR
(CF252 SPONTANEOUS) = 3.782 PLUS/MINUS .024,
PHYS. OF FAST AND INTERMED. REACTORS, VIENNA, SM-18/18 (1961)
VOLUME 1 PAGE 139
RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION
OF CF252.

92-U -235 0. 0.

1 NU-PRMT

1156 J. EXPTL. THEORET. PHYS. (USSR) 35, 535 (1959) V.I.LEBEDEV,
V.I.KALASHNIKOV (USSR)
IONIZATION CHAMBER. NORMALIZED TO NU-BAR (U235)=2.47 +- .0390-TH-229 2.53-08 2.53-08
90-TH-229 2.53-08 2.53-081 NU-PRMT
1 NU-PRMT C/S RATIO1157 J. EXPTL. THEORET. PHYS. (USSR) 37, 407 (1959) B.O.KUZ'MINOV,
L.S.KUTSAEVA, V.G.NESTEROV, L.I.PROKHOROVA, G.N.SHIRENKIN
(USSR)
COINCIDENCE MEASUREMENTS. NORMALIZED TO NU-BAR (PU240) = 2.26
PLUS/MINUS .05

92-U -238 -6.14+00-6.14+00

1 NU-PRMT

1158 A/CONF. 4, 105 (1955) M.G.INGRAM, D.C.HESS, JR., R.J.HAYDEN,
C.M.STEVENS (ANL)
PAPER P/596. MASS SPECTRO-METRIC OBSERVATION OF ALPHA.
ASSUMED ABSORPTION C/S OF U233 = 489 BARNS.
ANL-4515 P.15 (1950)92-U -233 2.50-08 2.50-08
92-U -233 2.50-08 2.50-08
92-U -234 2.50-08 2.50-091 N.FISS SPECT.AV.
1 N.G SPECT.AV.
1 ABSORP SPECT.AV.1159 A/CONF. 5, 172 (1955) P.E.SPIVAK ET AL. (USSR)
PAPER P/659.
ATOMNAYA ENERGIYA 1, 13 (1956) P.E.SPIVAK, B.G.EROLIMSKY,
G.A.DOROFEEV, V.N.LAVRENCHIK, I.E.KUTIKOV, YU.P.DOBRYNIN
TRANSLATED IN
J. NUCLEAR ENERGY 4, 70 (1957)92-U -233 3.30-07 6.90-05
92-U -235 3.30- 6.90-05
94-PU-239 3.30-01 1.38-055 ETA SPECT.AV.
5 ETA SPECT.AV.
4 ETA SPECT.AV.1160 A/CONF. 15, 212 (1958) H.R.BOWMAN, S.O.THOMPSON (UCRL)
PAPER P/652. TIME COINCIDENCE TECHNIQUE

98-CF-252 -6.35+00-6.35+00

1 NU-PRMT

1161 A/CONF. 15, 331 (1958) R.B.LEACHMAN (LASL)
PAPER P/665. DATA FROM UNPUBLISHED RESULTS BY HANSEN ET AL.
RELATIVE TO U235 (NU(U235) TAKEN AS 2.56, 2.58 AND 2.59 FOR
FOR E = 1.4, 1.47 AND 1.67 MEV, RESPECTIVELY).92-U -233 1.40+00 1.67+00
92-U -238 1.40+00 1.67+00
93-NP-237 1.40+00 1.67+00
94-PU-239 1.40+00 1.67+00
94-PU-240 1.47+00 1.67+002 NU-PRMT SPECT.AV.
3 NU-PRMT SPECT.AV.
2 NU-PRMT SPECT.AV.
3 NU-PRMT SPECT.AV.
2 NU-PRMT SPECT.AV.1162 A/CONF. 16, 34 (1958) H.ROSE, W.A.COOPER, R.B.TATTERSALL
(AERE)
PILE OSCILLATOR TECHNIQUE. RELATIVE TO 2200 M/SEC HARKWELL B =
765.6 BARNS +- 3.5 BARNS AND AU-197 R1 = 1710 BARNS. WE HAVE
ADDED BACK IN THE 1/V COMPONENT OF THE R1 (CUTOFF = 0.5 E/V)11-NA-23 2.53-08 2.53-08
12-MG-NAT 2.53-08 2.53-08
12-MG-NAT 5.00-07 1.56+01
13-AL-27 2.53-08 2.53-08
23-V -NAT 2.53-08 2.53-081 ABSORP
1 ABSORP
1 ABSORP RES.INT.
1 ABSORP
1 ABSORP

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-184 ***

REF.NO.=1162

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1162

REF BIBLIOGRAPHY

1162 USING THE 2200 M/SEC CROSS SECTION IN THE REFERENCE AND
BNL-325. SEE ALSO
AERE-R/R-2516 (1958) D.JOWITT, S.K.PATTENDEN, H.ROSE,
V.O.SMALL, R.B.TATTERSALL

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
25-MN-55	5.00-07 1.50-01	1	ABSORP RES. INT.
26-FE-NAT	2.53-08 2.53-08	1	ABSORP
26-FE-NAT	5.00-07 1.50-01	1	ABSORP RES. INT.
27-CO-59	2.53-08 2.53-08	1	ABSORP
28-NI-NAT	2.53-08 2.53-08	1	ABSORP
29-CU-NAT	2.53-08 2.53-08	1	ABSORP
29-CU-NAT	5.00-07 1.50-01	1	ABSORP RES. INT.
30-ZN-NAT	2.53-08 2.53-08	1	ABSORP
30-ZN-NAT	5.00-07 1.50-01	1	ABSORP RES. INT.
40-ZR-NAT	2.53-08 2.53-08	1	ABSORP
40-ZR-NAT	5.00-07 1.50-01	1	ABSORP RES. INT.
41-NB-93	2.53-08 2.53-08	1	ABSORP
41-NB-93	5.00-07 1.50-01	1	ABSORP RES. INT.
42-MO-NAT	2.53-08 2.53-08	1	ABSORP
42-MO-NAT	5.00-07 1.50-01	1	ABSORP RES. INT.
45-RH-103	2.53-08 2.53-08	1	ABSORP
48-CD-NAT	2.53-08 2.53-08	1	ABSORP
48-CD-113	2.53-08 2.53-08	1	ABSORP
49-IN-NAT	2.53-08 2.53-08	1	ABSORP
49-IN-NAT	5.00-07 1.50-01	1	ABSORP RES. INT.
50-SM-NAT	2.53-08 2.53-08	1	ABSORP
50-SM-NAT	5.00-07 1.50-01	1	ABSORP RES. INT.
52-TL-NAT	2.53-08 2.53-08	1	ABSORP
55-CS-133	2.53-08 2.53-08	1	ABSORP
55-CS-133	5.00-07 1.50-01	1	ABSORP RES. INT.
57-LA-139	2.53-08 2.53-08	1	ABSORP
60-MO-143	2.53-08 2.53-08	1	ABSORP
62-SH-NAT	2.53-08 2.53-08	1	ABSORP
62-SH-147	2.53-08 2.53-08	1	ABSORP
62-SH-149	2.53-08 2.53-08	1	ABSORP
62-SH-152	5.00-07 1.50-01	1	ABSORP RES. INT.
64-GD-NAT	2.53-08 2.53-08	1	ABSORP
64-GG-155	2.53-08 2.53-08	1	ABSORP
64-GD-157	2.53-08 2.53-08	1	ABSORP
72-IF-NAT	5.00-07 1.50-01	1	ABSORP RES. INT.
73-TA-NAT	2.53-08 2.53-08	1	ABSORP
73-TA-NAT	5.00-07 1.50-01	1	ABSORP RES. INT.
78-PT-NAT	2.53-08 2.53-08	1	ABSORP
78-PT-NAT	5.00-07 1.50-01	1	ABSORP RES. INT.
79-AU-197	2.53-08 2.53-08	1	ABSORP
82-PB-NAT	2.53-08 2.53-08	1	ABSORP
83-BI-209	2.53-08 2.53-08	1	ABSORP
83-BI-209	5.00-07 1.50-01	1	ABSORP RES. INT.
93-NP-237	2.50-08 2.50-08	1	ABSORP SPECT. AV.
93-NP-237	5.00-07 1.50-01	1	ABSORP RES. INT.
94-PU-240	2.50-08 2.50-08	1	ABSORP
94-PU-240	2.50-08 2.50-08	1	ABSORP SPECT. AV.
94-PU-240	5.00-07 1.50-01	1	ABSORP RES. INT.

1163 A/CONF. 16, 54 (1958) T.A.EASTWOOD, A.P.BAERO, C.B.BIGHAM,
F.BROWN, M.J.CABELL, H.E.GRUMMITT, J.C.ROY, L.P.ROY,
R.P.SCHUMAN (CHALK RIVER, AERE, KAPL)

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
37-RB 88	2.50-08 2.50-08	1	N.O SPECT. AV.
38-SR 88	2.50-08 2.50-08	1	N.O SPECT. AV.
38-SR 89	2.50-08 2.50-08	1	N.O SPECT. AV.

07/04/76

CISL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1163

REF BIBLIOGRAPHY

1163 ACTIVATION METHODS

CAN. J. PHYS. 36, 863 (1958)
CAN. J. CHEM. 36, 1424 (1958) J.C.ROY, D.WUSCHKE

TARGET EN. RANGE (MEV) PTS DESCRIPTION

53-I	-129	2.50-08	2.50-08	1	N,G	SPECT.AV.
53-I	-129	5.00-07	1.50-01	1	ABSORP	RES.INT.
53-I	-130	2.50-08	2.50-08	1	N,G	SPECT.AV.
55-CS	-133	2.50-08	2.50-08	1	N,G	SPECT.AV.
55-CS	-134	2.30-08	2.50-08	1	N,G	SPECT.AV.
55-CS	-135	2.53-08	2.53-08	1	N,G	
55-CS	-135	6.00-07	1.46+01	1	N,G	RES.INT.
56-BA	-140	2.50-08	2.50-08	1	N,G	SPECT.AV.
59-PR	-143	2.50-08	2.50-08	1	N,G	SPECT.AV.
91-PA	-233	2.53-08	2.53-08	1	N,G	
91-PA	-233	6.00-07	1.46+01	1	N,G	RES.INT.
92-U	-236	2.53-08	2.53-08	1	N,G	
92-U	-236	6.00-07	1.46+01	1	N,G	RES.INT.
94-PU	-238	2.53-08	2.53-08	1	N,FISS	
94-PU	-238	6.00-07	1.46+01	1	N,FISS	RES.INT.
94-PU	-240	2.53-08	2.53-08	1	N,FISS	
94-PU	-240	6.00-07	1.46+01	1	N,FISS	RES.INT.

1164 A/CONF. 16, 125 (1958) G.B.BIGHAM, G.C.HANNA,
P.R.TUNNICLIFFE, P.J.LYMPION, M.LOUNSBURY, D.R.HACKENZIE
(CHALK RIVER)
IRRADIATION 'N D20 EXTENSION OF GRAPHITE THERMAL COLUMN OF
MRX. SAMPLES WEIGHED BY ALPHA COUNTING, U233 RELATIVE TO
AU(N,GAMMA)=98.8 BARNs FOR U235, SIGMA F=625 BARNs WAS USED.
PU241 VALUES ARE BASED ON PU239 THERMAL SIGMA F=742 BARNs.
TID-7547 PP.112 AND 113 (1957)
UK/C-6-125 (1957)

92-U	-233	2.53-07	2.53-08	1	N,FISS	
92-U	-235	2.53-08	2.53-08	1	N,FISS	
94-PU	-239	2.53-08	2.53-08	1	N,FISS	
94-PU	-241	2.53-08	2.53-08	1	N,FISS	

1165 NEUTRON TIME-OF-FLIGHT METHODS. EANDC. SACLAY, PAGE 115(1961)
G.D.JAMES (AERE)
TIME OF FLIGHT. DATA WAS NORMALIZED BY EQUATING THE SUM OF
THE AREAS UNDER THE SEVEN RESONANCES BETWEEN 4 EV AND 11 EV
TO THE SUM OF THE VALUES OF SIGMA SUB-ZERO GAMMA FISSION
FOUND FROM THE MTR MEASUREMENTS. RESOLUTION WAS 70 NSEC/M.

94-PU	-241	4.33-06	1.78-05	14	RES.PARAM.	
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1166 PHYS. OF FAST AND INTERMED. REACTORS.VIENNA,SM-18/75(1961)
I.ASPLUND-NILSSON, H.CONDE, N.STARFELT (RIND, SWEDEN)
VOLUME 1 PAGE 155. LIQUID SCINTILLATOR

98-CF	-252	-6.35+00	-6.35+00	1	NU-PRMT	
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1167 J. NUCLEAR ENERGY 22, 263 (1968) G.D.JAMES (AERE)
MULTILEVEL LEAST SQUARES ANALYSIS, 2 FISSION CHANNELS, TO THE
MEASUREMENT REPORTED IN REFERENCE 1349. GAMMA-GAMMA ASSUMED
EQUAL TO 0.040 EV. THE SIGNS ON THE FISSION WIDTHS ARE TO BE
UTILIZED IN THE FISSION INTERFERENCE TERMS
AERE-PR/NP-12 P.2 (1967) G.D.JAMES, D.A.J.ENDACOTT

94-PU	-239	6.09-05	1.00-04	26	RES.PARAM.	
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1168 BULL. AM. PHYS. SOC. 10, 637 (1955) W.F.STUBBINS, D.M.BARTON,
J.F.EICHELBERGER, F.LONADUR, L.WITTINGBERG (LASL)
NUCLEAR SCIENCE AND ENGINEERING 25, 377 (1966)
JEZEBEL MEASUREMENTS

94-PU	-238	2.00+00	2.00+00	1	N,FISS	SPECT.AV.
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1169 PHYS. LETTERS 19, 621 (1966) E.G.SHELLEY, T.R.FISHER.

67-HO	-165	8.05+00	1.50+01	2	TOTAL	
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REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-185 ***

REF.NO.=1169

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF NO.=1169

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1169 R.S.SAFRATA, J.S.MC CARTHY, S.M.AUSTIN (STANFORD)

1170 PHYS. REV. LETTERS 16, 194 (1966) H.MARSHAK,
A.C.B.RICHARDSON, T.TAMURA (NBS AND ORNL)
NUCLEAR DEFORMATION MEASUREMENT

67-HO-165 1.40+01 1.40+01 1 TOTAL

1171 CAN. J. PHYS. 38, 57 (1960) W.H.WALKER, C.H.WESTCOTT,
T.K.ALEXANDER (CHALK RIVER)
AU USED AS RELATIVE STANDARD25-MN-55 1.25-07 1.46+01 1 N,0 RES.INT.
49-IN-115 1.25-07 1.46+01 1 N,0 RES.INT.
94-PU-240 2.53-08 2.53-08 1 N,01172 NUCLEAR SCIENCE AND ENGINEERING 3, 758 (1958) E.R.GAERTNER,
M.E.JONES, D.E.MC MILLAN, J.B.SAMPSON, T.M.SNYDER (KAPL)
TTR THERMAL REACTOR, KAPL-1464 NU-BAR VALUES ARE REPORTED
ONLY IN KAPL DOCUMENT. WE HAVE TAKEN NO PROMPT FOR U235
(THERMAL) AS 2.414. SUBCADMIUM MEASUREMENTS RELATIVE TO ETA
(U235) = 2.07 +/- .02
KAPL-1464 (1955)
RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION
OF CF252.92-U -233 0. 0. 1 NU-PRMT
92-U -233 2.53-08 2.50-08 1 ETA SPECT.AV.
92-U -233 2.53-08 2.53-08 1 NU-PRMT C/S RATIO
94-PU-239 0. 0. 1 NU-PRMT
94-PU-239 2.50-08 2.50-08 1 ETA SPECT.AV.
94-PU-239 2.53-08 2.53-08 1 NU-PRMT C/S RATIO
94-PU-241 0. 0. 1 NU-PRMT
94-PU-241 2.50-08 2.50-08 1 ETA SPECT.AV.
94-PU-241 2.53-08 2.53-08 1 NU-PRMT C/S RATIO1173 PHYS. REV. 142, 778 (1966) R.D.ALBERT (LRL)
DATA TABULATED IN
UCRL-14176-T (1965)92-U -233 1.12-04 6.50+00 72 N,FISS
92-U -233 3.25-05 7.75+00 587 N,FISS C/S RATIOTIME OF FLIGHT TECHNIQUE (1280 KM FLIGHT PATH) UTILIZING
NEUTRONS FROM A NUCLEAR EXPLOSION. RATIO MEASUREMENTS NORMAL-
IZED TO ALLEN AND FERGUSON'S DATA AT 550 KEV (SEE REFERENCE
218). THE CROSS SECTIONS ARE AVERAGES OVER LARGE ENERGY
INTERVALS, NORMALIZED TO THE U235 FISSION CROSS SECTION OF
BNL-325 2ND ED. SUPPL.2 (1965)
PHYS. REV. LETTERS 15, 637 (1965)1174 CS-3471 (1946) G.T.SEABORG, W.M.MANNING (ANL)
DATA FOR U232 FROM THERMAL COLUMN, AM241 IN U-GRAPHITE REACTOR
TRANSURANICUM ELEMENTS, INC. PAGE 1639 (1949)
MC GRAH HILL BOOK COMPANY90-TH-227 2.50-08 2.50-08 1 N,FISS SPECT.AV.
90-TH-229 2.50-08 2.50-08 1 N,FISS SPECT.AV.
91-PA-231 2.50-08 2.50-08 1 N,FISS SPECT.AV.
91-PA-231 2.50-08 2.50-08 1 N,0 SPECT.AV.
92-U -232 2.50-08 2.50-08 1 N,FISS SPECT.AV.
93-NP-237 2.50-08 2.50-08 1 N,FISS SPECT.AV.
95-AM-241 2.50-08 2.50-08 1 N,0 SPECT.AV.
95-AM-241 2.50-08 2.50-08 1 N,0 SPECT.AV.1175 CRPP-1183 (AECL-1910) (1964) C.B.BIGHAM (CHALK RIVER)
ADJUSTED TO CD CUTOFF ENERGY = .45 EV ASSUMED SIGMA F(U235)
= 579 BARNS AT THERMAL. ASSUMED AU(N,GAMMA) = 98.8 BARNS AT
0.253 EV AND RI(AU) = 1535 BARNS 1/V CONTRIBUTION INCLUDED
EANDC(ICAN)-19 (1964)92-U -233 4.50-07 1.46+01 1 N,FISS RES.INT.
92-U -235 4.50-07 1.46+01 1 N,FISS RES.INT.
94-PU-239 4.50-07 1.46+01 1 N,FISS RES.INT.
94-PU-241 4.50-07 1.46+01 1 N,FISS RES.INT.1176 AERE-R-2998 (1959) J.F.RAFFLE (HARWELL)
SLOW CHOPPER, NORM. TO AU(N,GAMMA)SIGMA = 98.7 BARNS REACTOR,
SPECTROM AND 2200 M/SEC CROSS SECTION ENTERED. DATA
SUPERCEDES MEASUREMENTS REPORTED IN REFERENCE 902
NRDC-51 (1954)
A/CONF. 4, 187 (1955) J.F.RAFFLE, B.T.PRICE92-U -233 2.53-08 2.53-08 1 N,FISS
92-U -233 2.50-08 2.50-08 2 N,FISS SPECT.AV.
92-U -235 2.53-08 2.53-08 1 N,FISS
92-U -235 2.50-08 2.50-08 2 N,FISS SPECT.AV.
94-PU-239 2.53-08 2.53-08 1 N,FISS
94-PU-239 2.50-08 2.50-08 2 N,FISS SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-187 ***

REF NO.=1176

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1176

REF BIBLIOGRAPHY

	TARGET	EN	RANGE (MEV)	PTS	DESCRIPTION
1176	94-PU-241	2.50-08	2.50-08	2 N.FISS	SPECT.AV.
1177 CRR-622 (REV.) (AECL-477) P.33 (1957) D.G.HURST, A.H.BOOOTH, M.LOUNSBURY, G.C.HANNA (CHALK RIVER) NATURAL URANIUM SAMPLE FROM FUEL ROD OF U-D20 REACTOR. NRX. DETERMINED U234 AND U235 DEPLETION BY ALPHA COUNTING ASSUMED U235 SIGMA A = 685 BARNS	92-U -234	2.50-03	2.50-08	1 ABSORP	SPECT.AV.
1178 ANL-4273 P.9 (1952) J.R.HUIZENGA (ANL) IRRADIATION IN U235 D20 REACTOR, CP-3' SAMPLE 96 PERCENT U235. COUNTED NP237 DECAY ALPHAS. MONITORED FLUX BY NP237. ASSUMING NP237 (N,GAMMA) SIGMA = 172 BARNS	92-U -236	2.50-08	2.50-08	1 N.G	SPECT.AV.
1179 ANL-4215 P.17 (1948) R.J.BRUEHLMAN, W.C.BENTLEY, E.K.HYDE (ANL) FISSION COUNTED PU239. CORRECTING FOR PU238 FISSIONS. ASSUMED PU239 SIGMA F = 765 BARNS MONITORED FLUX WITH NP237. ASSUMING NP237(N,GAMMA)SIGMA = 172 BARNS WEIGHED SAMPLE BY ALPHA COUNTING ASSUMING PU238 HALF-LIFE = 92 YEARS	94-PU-238	2.50-08	2.50-08	1 N.G	SPECT.AV.
1180 HW-62727 P.19 (1959) B.R.LEONARD, JR., S.J.FRIESENHAIN (HANFORD) CRYSTAL SPECTROMETER. NORMALIZED TO 590.8 BARNS FOR U235 FISSION CROSS SECTION AT 2200 M/SEC.	94-PU-241 94-PU-241	2.53-08 4.32-06	2.53-08 6.61-06	1 N.FISS 6 RES.PARAM.	
1181 HW-48893 P.98 (1957) B.R.LEONARD, JR., W.J.FRIESEN, E.J. SEPP (HANFORD) CRYSTAL SPECTROMETER BASED ON AU(N,GAMMA)SIGMA = 50.9 BARNS AT EN = 0.1 EV	94-PU-239 94-PU-241	2.53-08 2.53-08	1.00-07 1.00-07	2 N.FISS 2 N.FISS	
1182 ANL-5397 (1955) A.H.JAFFEY, M.H.STUDIER, P.R.FIELDS, W.C.BENTLEY (ANL) THERMAL COLUMN HEAVY WATER REACTOR. ASSUMED PU241 SIGMA F TO BE 1/V AND PU239 SIGMA F = 1.078 X 750 BARNS IN A 25 DEG C MAXWELLIAN SPECTRUM	94-PU-241	2.53-08	2.53-08	1 N.FISS	
1183 AFEW-R-115 (1962) R.B.TATTERSALL (WINFRIETH) PILE OSCILLATOR MEASUREMENT. RELATIVE TO BORON 2200 M/SEC CROSS SECTION OF 767 +/- 3.5 BARNS AND GOLD RESONANCE INTEGRAL (ABOVE-1/V) OF 1513 +/- 60 BARNS	94-PU-240	2.53-08	2.53-08	1 ABSORP	
1184 PROC. PHYS. SOC. (LONDON) 66, 447 (1953) F.R.BARCLAY, W.J.WHITEHOUSE (AERE)	96-CM-242	-7.20+00	-7.20+00	1 MU-PRMT	
1185 NUCLEAR SCIENCE AND ENGINEERING 3, 395 (1958) J.HALPERIN, J.O.BLOMEKE, D.R.MRKVICKA (ORNL AND ANL) ACTIVATION ANALYSIS ON MTR FUEL ELEMENTS. THESE ARE EFFECTIVE CROSS SECTION WHICH INCLUDE THE RESONANCE CONTRIBUTION	92-U -236 92-U -238	2.50-08 2.50-08	2.50-08 2.50-08	1 N.G 1 N.G	SPECT.AV. SPECT.AV.
1186 NUCLEAR SCIENCE AND ENGINEERING 2, 491 (1957) R.W.STOUGHTON, J.HALPERIN (ORNL) ACTIVATION ANALYSIS. BASED ON A THERMAL FISSION CROSS SECTION	94-PU-239 94-PU-240	2.50-08 2.50-08	2.50-08 2.50-08	1 N.G 1 N.G	SPECT.AV. SPECT.AV.

REF-BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-188 ***

REF.NO.=1186

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1186

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1186 FOR U235 OF 580 BARNS THESE ARE EFFECTIVE CROSS SECTIONS WHICH INCLUDE THE RESONANCE CONTRIBUTION

1187 A/CONF. 7, 261 (1955) W.C.BENTLEY ET AL. (ANL)
SUMMARY OF ANL WORK. ACTIVATION ANALYSIS. UTILIZED 1150 BARNS AND 385 BARNS FOR THE EFFECTIVE THERMAL ABSORPTION AND CAPTURE CROSS SECTION OF PU235. SEE ALSO REFERENCE 1135

94-PU-241	2.53-08	2.53-08	1	NU-PRMT
94-PU-241	2.50-08	2.50-08	1	N.FISS SPECT.AV.
94-PU-241	2.50-08	2.50-08	1	N.G SPECT.AV.
94-PU-243	2.50-08	2.50-08	1	N.G SPECT.AV.
94-PU-244	2.50-08	2.50-08	1	N.G SPECT.AV.
94-PU-245	2.50-08	2.50-08	1	N.G SPECT.AV.
96-CM-245	2.50-08	2.50-08	1	N.FISS SPECT.AV.
96-CM-247	2.50-08	2.50-08	1	N.G SPECT.AV.

1188 PHYS. REV. 81, 693 (1951) O.C.MANNA, B.G.HARVEY, N.MOSS, P.R.TUNNICLIFFE (CHALK RIVER)
ACTIVATION ANALYSIS. BASED ON EFFECTIVE ABSORPTION CROSS SECTION OF AM241 OF 887 BARNS UPPER LIMITS OF 5 BARNS AND 25 BARNS ARE ALSO GIVEN FOR THE THERMAL (SPECTRUM AVERAGED) FISSION CROSS SECTION OF CM242 AND AM243, RESPECTIVELY

94-PU-238	2.50-08	2.50-08	1	N.FISS SPECT.AV.
95-AM-241	2.50-08	2.50-08	1	N.FISS SPECT.AV.
95-AM-242	2.50-08	2.50-08	1	ABSORP SPECT.AV.
95-AM-242	2.50-08	2.50-08	1	N.FISS SPECT.AV.
95-CM-242	2.50-08	2.50-08	1	N.FISS SPECT.AV.

1189 NUCLEAR SCIENCE AND ENGINEERING 21, 257 (1965) J.HALPERIN, C.R.BALDOCK, J.H.OLIVER (ORNL)
ACTIVATION TECHNIQUE. FLUX DETERMINED FROM COBALT IRRADIATION DATA, USING 37 BARNS AND 75 BARNS RESPECTIVELY FOR THE 2200 M/SEC CROSS SECTION AND RESONANCE INTEGRAL OF CO. LOWER ENERGY FOR RESONANCE INTEGRAL NOT EXPLICITLY STATED

92-U -232	2.50-08	2.50-08	1	N.G SPECT.AV.
92-U -232	4.00-07	1.46+01	1	N.G RES.INT.

1190 PHYS. REV. 106, 783 (1957) J.TERRELL (LASL)
DATA ATTRIBUTED TO GIVEN, MARTIN, TASCHEK, TERRELL (UNPUBLISHED)

92-U -235	1.25+00	4.80+00	2	NU-PRMT
92-U -238	1.50+00	1.50+00	1	NU-PRMT

1191 PHYS. REV. LETTERS 1, 461 (1958) D.J.HUGHES, R.L.ZIMMERMAN, R.E.CHRIEN (BNL)
STRENGTH FUNCTION OBTAINED BOTH FROM AVERAGE CROSS SECTION AND INDIVIDUAL RESONANCES. SOME VALUES PUBLISHED PREVIOUSLY IN REFERENCE 862

42-MO-95	0.	2.00-03	1	AV.RES.PARAM.
42-MO-97	0.	2.00-03	1	AV.RES.PARAM.
47-AG-107	0.	2.00-03	1	AV.RES.PARAM.
47-AG-109	0.	2.00-03	1	AV.RES.PARAM.
48-CD-111	0.	2.00-03	1	AV.RES.PARAM.
48-CD-113	0.	2.00-03	1	AV.RES.PARAM.
49-IN-101	0.	2.00-03	1	AV.RES.PARAM.
49-IN-113	0.	2.00-03	1	AV.RES.PARAM.
49-IN-115	0.	2.00-03	1	AV.RES.PARAM.
50-SM-117	0.	2.00-03	1	AV.RES.PARAM.
51-SB-121	0.	2.00-03	1	AV.RES.PARAM.
51-SB-123	0.	2.00-03	1	AV.RES.PARAM.
53-I-127	0.	2.00-03	1	AV.RES.PARAM.
55-CS-133	0.	2.00-03	1	AV.RES.PARAM.
56-BA-135	0.	2.00-03	1	AV.RES.PARAM.
59-PR-141	0.	2.00-03	1	AV.RES.PARAM.
60-NO-143	0.	2.00-03	1	AV.RES.PARAM.
60-NO-145	0.	2.00-03	1	AV.RES.PARAM.
62-SM-147	0.	2.00-03	1	AV.RES.PARAM.
62-SM-149	0.	2.00-03	1	AV.RES.PARAM.
63-EU-151	0.	2.00-03	1	AV.RES.PARAM.
63-EU-153	0.	2.00-03	1	AV.RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-189 ***

REF. NO. = 1191

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1191

REF BIBLIOGRAPHY

1191

TARGET EN. RANGE (MEV) PTS DESCRIPTION

64-GD-155	0.	2.00-03	1 AV.RES.PARAM.
64-GD-157	0.	2.00-03	1 AV.RES.PARAM.
65-TB-159	0.	2.00-03	1 AV.RES.PARAM.
66-DY-NAT	0.	2.00-03	1 AV.RES.PARAM.
66-DY-161	0.	2.00-03	1 AV.RES.PARAM.
66-DY-163	0.	2.00-03	1 AV.RES.PARAM.
67-HO-165	0.	2.00-03	1 AV.RES.PARAM.
68-ER-167	0.	2.00-03	1 AV.RES.PARAM.
69-TM-169	0.	2.00-03	1 AV.RES.PARAM.
70-YB-173	0.	2.00-03	1 AV.RES.PARAM.
71-LU-175	0.	2.00-03	1 AV.RES.PARAM.
72-HF-NAT	0.	2.00-03	1 AV.RES.PARAM.
72-HF-177	0.	2.00-03	1 AV.RES.PARAM.
72-HF-179	0.	2.00-03	1 AV.RES.PARAM.
73-TA-181	0.	2.00-03	1 AV.RES.PARAM.
74-W-NAT	0.	2.00-03	1 AV.RES.PARAM.
74-W-183	0.	2.00-03	1 AV.RES.PARAM.
75-RE-185	0.	2.00-03	1 AV.RES.PARAM.
76-OS-NAT	0.	2.00-03	1 AV.RES.PARAM.
77-IR-NAT	0.	2.00-03	1 AV.RES.PARAM.
78-PT-NAT	0.	2.00-03	1 AV.RES.PARAM.
79-AU-197	0.	2.00-03	1 AV.RES.PARAM.
80-HO-NAT	0.	2.00-03	1 AV.RES.PARAM.
90-TH-232	0.	2.00-03	1 AV.RES.PARAM.
92-U-233	0.	2.00-03	1 AV.RES.PARAM.
92-U-234	0.	2.00-03	1 AV.RES.PARAM.
92-U-235	0.	2.00-03	1 AV.RES.PARAM.
92-U-236	0.	2.00-03	1 AV.RES.PARAM.
92-U-238	0.	2.00-03	1 AV.RES.PARAM.
94-PU-239	0.	2.00-03	1 AV.RES.PARAM.

1192 CONF.ACAD.SCI.USSR PEACEFUL USES ATOMIC ENERGY, P.209 (1955)
YU.G.ABOV (USSR)
CRYSTAL SPECTROMETER

94-PU-239	3.00-07	3.00-07	4 RES.PARAM.
94-PU-240	1.07-06	1.07-06	5 RES.PARAM.

1193 CONF.ACAD.SCI.USSR PEACEFUL USES ATOMIC ENERGY, P.127 (1955)
V.I.KALASHNIKOV, A.V.KRASNUSHKIN, V.I.LEBEDEV, M.I.PEVZNER,
V.P.VAKHAROVA (USSR)
NU PU240 (SP.) WAS DETERMINED FROM THE MEASURED RATIO OF
NU PU239 (TH) / NU PU240 (SP.) = 1.32 ± .03. NU PU239 (TH)
WAS TAKEN AS 2.871. SEE C.H.WESTCOTT ET AL.
ATOMNAYA ENERGIYA REVIEW 3, 3 (1965)

94-PU-240	-6.68+00	-6.68+00	1 NU-PRMT
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1194 PHYS. REV. 123, F59 (1961) O.D.SIMPSON, M.S.MOORE (PHILLIPS)
BULL. AM. PHYS. SOC. 6, 275 (1961)
REF. 1112 FOR TOTAL CROSS SECTION MEASUREMENTS ANALYZED
BY MULTILEVEL ANALYSIS. GAMMA-GAMMA ASSUMED .040 EV AND G
TAKEN AS 1/2. FISSION WIDTHS CORRESPONDS TO EITHER SPIN
STATE. SIGNS ON GAMMA FISSION ASSOCIATED WITH FISSION
INTERFERENCE TERM. REDUCED NEUTRON WIDTHS 4.28, 6.94, 8.60 EV
INCREASED BY 1.25 FOR SAMPLE THICKNESS. RESOLUTION VARIED
FROM 50 TO 2400 NSEC/M.

94-PU-241	-1.60-07	1.02-05	18 RES.PARAM.
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REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-190 ***

REF.NO.=1194

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. 1194

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
1194 100-16954 (1963) N.H.MARSHALL, D.D.SIMPSON			
1195 NUCLEAR SCIENCE AND ENGINEERING 2, 33 (1957) P.R.FIELDS, G.L.PYLE, W.C.BENTLEY (ANL) ACTIVATION IN MTR. BECAUSE OF LARGE EXPERIMENTAL UNCERTAINTIES, THE AUTHORS SUGGEST 20 BARNS AS AN UPPER LIMIT FOR THE THERMAL FISSION CROSS SECTION OF U239 AND ALSO TH233	92-U -239	2.50-08 2.50-08	1 N.FISS SPECT.AV.
1196 HW-55879 P.3 (1958) E.J.SEPPI, W.J.FRIESEN, B.R.LEONARD, JR. (HANFORD) CRYSTAL SPECTROMETER PU-239, 241 WERE MEASURED RELATIVE TO 1/V BORDON CROSS SECTION. SEE TEXT FOR NORMALIZED VALUES.	29-CU-NAT 77-IR-NAT 92-U -235 94-PU-239 94-PU-241	2.53-08 4.73-09 2.53-09 4.73-09 2.53-09 4.73-09 2.53-09 4.73-09 2.53-09 4.73-09	10 TOTAL 10 TOTAL 10 TOTAL 10 N.FISS 10 N.FISS
1197 HW-64866 P.4 (1961) R.H.ODEGAARDEN (HANFORD) D.R. CRYSTAL SPECTROMETER. RESOLUTION WAS 1.06 MICROSEC/M.	92-U -234 92-U -234	4.18-06 5.68-06 5.20-06 5.20-06	18 N.FISS 1 RES.PARAM.
1198 ATOMNAYA ENERGIYA 4, 187 (1958) B.O.KUZ'MINOV, L.S.KUTSAEVA, I.I.BONDARENKO (USSR) RELATIVE TO NU U235 (THERMAL) OF 2.47 +/- 0.03. TRANSLATED IN SOVIET J. ATOMIC ENERGY 4, 250 (1958)	90-TH-232 92-U -235 92-U -238 93-NP-237	3.50+00 3.50+00 1.20+00 1.20+00 3.10+00 3.10+00 2.50+00 2.50+00	1 NU-PRMT SPECT.AV. 1 NU-PRMT SPECT.AV. 1 NU-PRMT SPECT.AV. 1 NU-PRMT SPECT.AV.
1199 ORNL-2081 P.102 (1956) W.W.PRATT, F.J.MUCKENTHALER, E.G.SILVER (ORNL) IRRADIATE IN BEAM OF NEUTRONS (12MP APPROX 495 DEG.K) FROM U-GRAPHITE REACTOR. NORMALIZED TO U25 SIGMA F = 590 +/- BARNS	94-PU-239 94-PU-240	2.53-08 2.53-08 2.53-08 2.53-08	1 N.FISS 1 N.FISS
1200 ORNL-2081 P.108 (1956) K.M.HENRY, M.P.HYDON (ORNL) PROTON RECOIL NEUTRON SPECTROMETER	92-U -233	2.50-08 2.50-08	16 N.FISS DICI
1201 TID-5223, PART 2, P.532 (1952) A.H.JAFFEY, E.K.HYDE (ANL) IRRADIATION IN D2O MODERATED REACTOR. NEUTRON TEMP = 900 DEG.K	90-TH-230	2.53-08 2.53-08	1 N.G
1202 TID-5223, PART 2, P.543 (1952) L.I.KATZIN, F.HAGEMANN (ANL) IRRADIATED TH METAL FOIL IN GRAPHITE REACTOR. ASSUMED U233 SIGMA (N,GAMMA) = 56 BARNS	91-PA-233	2.50-08 2.50-08	1 N.G SPECT.AV.
1203 TID-5223, PART 2, P.604 (1952) A.H.JAFFEY, Q.VAN WINKLE (ANL) BETA RAY MEASUREMENT OF PA232	91-PA-231	2.50-08 2.50-08	1 N.G SPECT.AV.
1204 UCRL-4728 (COC-512) (1956) W.W.T.CRANE, G.H.HIGGINS, R.W.HOFF, E.K.HULET, H.R.BOWMAN (UCRL) ACTIVATION ANALYSIS NORMALIZED TH233 TO U233 SIGMA F = 573 +/- 10 BARNS AND U239 TO PU239 SIGMA F = 750 +/- 15 BARNS	90-TH-233 92-U -239	2.50-08 2.50-08 2.50-08 2.50-08	1 N.FISS SPECT.AV. 1 N.FISS SPECT.AV.
1205 NRDC-84, PART 2 (1955) P.A.EGELSTAFF, K.W.MORTON, J.E.SANDERS (AEC, HARWELL) REPORTS UNPUBLISHED MEASUREMENTS AT HARWELL. SEE TEXT FOR NORMALIZATION CONSTANTS. WE HAVE TAKEN THE PU239 FISSION CROSS SECTION AT 2200 M/SEC AS 742.4 BARNS	90-TH-232 92-U -238 94-PU-240 94-PU-241 94-PU-241	2.53-08 2.53-08 2.53-08 2.53-08 1.15-06 1.05-06 2.53-08 2.53-08 2.53-08 2.53-08	1 ABSORP 1 ABSORP 2 RES.PARAM. 1 N.FISS 1 N.FISS C/S RATIO
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION

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REF. NO. 1205

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1206

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
1206 CRC-633 (1956) F.W.CORNISH, M.LOUNSBURY (CHALK RIVER) ACTIVATION ANALYSIS	94-PU-240 94-PU-240	2.50-08 2.50-08 5.00-07 1.46+01	1 ABSORP SPECT.AV. 1 ABSORP RES.INT.
1207 ANL-4490 (DEL.) P.9 (1950) H.DIAMOND, P.R.FIELDS (ANL) ACTIVATION ANALYSIS	92-U -236	2.50-08 2.50-08	1 N.G SPECT.AV.
1208 BULL. AM. PHYS. SOC. 6, 8 (1961) B.R.LEONARD, JR., R.H.ODEGAARDEN (HANFORD) AND PRIVATE COMMUNICATION (1961) VIA BNL SIGMA CENTER CRYSTAL SPECTROMETER. UPPER LIMITS ALSO GIVEN FOR PEAK FISSION CROSS SECTION AT ISOLATED RESONANCES IN U235, U238, PU242 AND FOR THE 1.235 EV RESONANCE IN PA231	91-PA-231 92-U -234 92-U -236 92-U -238 94-PU-242	3.95-07 7.45-07 5.20-06 5.20-06 5.49-06 5.49-06 6.68-06 1.02-05 2.65-06 2.65-06	6 RES.PARAM. 1 RES.PARAM. 1 RES.PARAM. 2 RES.PARAM. 1 RES.PARAM.
1209 ATOMNAYA ENERGIYA 2, 129 (1957) V.V.SOKOLOVSKY, V.V.VLADIMIRSKII, I.A.RADKEVICH, A.A.PANOV (USSR) TRANSLATED IN J. NUCLEAR ENERGY 5, 369 (1957) CHOPPER. AREA ANALYSIS. RESOLUTION OF 100 TO 200 NSEC/M.	92-U -233 92-U -233 92-U -234 92-U -235 92-U -235 94-PU-239 94-PU-239	0. 2.00-05 6.08-06 1.10-04 5.18-06 5.18-06 0. 2.00-05 2.90-07 3.54-05 0. 5.00-05 7.85-06 8.59-05	1 AV.RES.PARAM. 83 RES.PARAM. 4 RES.PARAM. 1 AV.RES.PARAM. 150 RES.PARAM. 1 AV.RES.PARAM. 104 RES.PARAM.
1210 BULL. AM. PHYS. SOC. 7, 305 (1962) T.E.YOUNG, F.B.SIMPSON, M.S.COOPS (PHILLIPS PETROLEUM AND LRL) 100-15805 P.8 (1962) T.E.YOUNG, F.B.SIMPSON FAST CHOPPER. RESONANCE PARAMETERS OBTAINED FROM AREA AND SHAPE ANALYSIS. RESOLUTION WAS 100 NSEC/M.	94-PU-238 94-PU-238	2.53-08 2.53-08 -5.00-07 8.32-05	1 TOTAL 12 RES.PARAM.
1211 BULL. AM. PHYS. SOC. 2, 218 (1957) O.D.SIMPSON, R.G.FLHARTY (PHILLIPS) PTR 703 (1957) 100-16373 P.39 (1957) PER PRIVATE COMMUNICATION FROM B.F.BOARDMAN IN 1956. THE PU240 CROSS SECTION IS IN ERROR DUE TO A WATER CONTAMINANT AND SHOULD NOT BE USED. RESONANCE PARAMETER OBTAINED MOSTLY FROM AREA ANALYSIS SHOULD BE INDEPENDENT OF THIS CONTAMINANT. GAMMA-GAMMA ASSURED TO BE 0.030 EV. RESOLUTION VARIED FROM 40 TO 200 NSEC/M.	94-PU-240 94-PU-240	0. 1.00-04 1.06-06 1.19-04	2 AV.RES.PARAM. 19 RES.PARAM.
1212 CONF.ACAD.SCI.USSR PEACEFUL USES ATOMIC ENERGY, P.81 (1955) S.YA.NIKITIN, S.I.SUKHCHURCHKIN, K.G.IGNAT'EV, N.D.GALANINA (USSR) MEASUREMENT OF ETA AND ALSO TRANSMISSION. THE NEUTRON WIDTHS HAVE BEEN TAKEN AS ZERO WITH REGARDS TO THE OTHER WIDTHS	92-U -233 92-U -233 92-U -235 92-U -235 94-PU-239 94-PU-239 94-PU-240	8.80-09 3.00-06 1.45-08 1.22-05 1.02-08 1.20-08 -1.00-06 1.23-05 1.02-08 3.00-06 -1.00-06 2.28-05 1.08-06 1.08-06	21 ETA 20 RES.PARAM. 17 ETA 6 RES.PARAM. 20 ETA 21 RES.PARAM. 1 RES.PARAM.
1213 AERE-PR/NP-4 P.16 (1963) M.C.MOXON, E.R.RAE, C.M.MYCOCK (HARWELL) NRDC-138 (EANDC/UK/21-U) P.17 (1963) MOXON-RAE DETECTOR	27-CO-59 94-PU-240	1.30-04 1.30-04 1.05-08 3.20-04	1 RES.PARAM. 19 RES.PARAM.
1214 PHYS. REV. 139, 852 (1965) E.E.MASLIN, J.A.MOORE,	92-U -235	2.53-08 2.53-08	1 N.FISS

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=1214

07/04/76

ECSJL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1214

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1214 J.M.A. REICHEL, J.B. CROWDEN (AWRF, ALDERMASTON)
LIQUID SCINTILLATOR

1215 PRIVATE COMMUNICATION (1961) B.R. LEONARD, JR.,
R.H. DEGAARDEN (HANFORD)
VIA BNL SIGMA CENTER. CRYSTAL SPECTROMETER. ALSO REPORTS AN
UPPER LIMIT OF 535 BARNS FOR THE PEAK FISSION CROSS SECTION
AT THE 20.4 EV RESONANCE IN PU240. WE HAVE OBTAINED GAMMA
FISSION FOR PU240 BY ASSUMING SIGMA ZERO = 172,500 B, AND A
TOTAL WIDTH OF 33 MB.

93-NP-237 4.90-07 1.47-06 3 RES.PARAM.
94-PU-240 1.06-06 1.06-06 2 RES.PARAM.
95-AM-241 3.07-07 1.26-06 3 RES.PARAM.

1216 LAMS-2489 (1961) D.M. BARTON, W. BERNARD, O.E. HANSEN (LASL)
CRITICAL MASS MEASUREMENT

94-PU-240 2.00-00 2.00-00 1 NU-PRMT SPECT.AV.

1217 AERE-R/M-167 (1958) J.E. SANDERS (HARWELL)
NORMALIZED TO SIGMA F (PU239) = 1.8 +/- .05 BARNS

94-PU-240 2.10-00 2.10-00 1 N.FISS SPECT.AV.
94-PU-240 2.10-00 2.10-00 1 NU-PRMT SPECT.AV.

1218 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTHEP, P/93 (1965)
N.J. PATTENDEN (AERE)
TRANSMISSION MEASUREMENTS. AREA ANALYSIS OF RESONANCES. BEST
RESOLUTION WAS 15 NSEC/M.
AERE-PR/NP-9 P.10 (1966)

94-PU-242 0. 3.50-04 2 AV.RES.PARAM.
94-PU-242 1.46-05 8.32-04 42 RES.PARAM.

1219 PHYS. REV. 130, 1482 (1963) C.D. BOWMAN, G.F. AUCHAMPAUGH,
S.C. FULTY (LRL)
UCRL-6926 REV. (1963)
UCRL-7061 (1963)
TIME OF FLIGHT TECHNIQUE. CROSS SECTION IS SUPERCEDED BY
REF. 1013. SIGMA ZERO GAMMA FISSION VALUES IN REFERENCE HAVE
BEEN MULTIPLIED BY 0.82 TO BE CONSISTENT WITH GAMMA FISSION
NORMALIZATION. GAMMA-GAMMA HAS BEEN ASSUMED TO BE 0.033 EV.

92-U -235 0. 3.50-05 1 AV.RES.PARAM.
92-U -235 4.85-06 3.93-05 84 RES.PARAM.

1220 PHYS. REV. 118, 724 (1960) E. VOGT (CHALK RIVER)
PHYS. REV. 117, 203 (1958)
FOR EARLIER RESULTS. MULTILEVEL ANALYSIS. ADDITIONAL CALCULA-
TIONS PERFORMED WITH THESE RESONANCE PARAMETERS IN REV. 100H.
PHYS. 14, 84 (1969) M.I. CRISTU ET AL.

92-U -233 1.00-07 6.77-06 21 RES.PARAM.
92-U -235 -9.50-07 3.16-06 15 RES.PARAM.
94-PU-239 -1.20-06 1.55-05 15 RES.PARAM.

1221 PHYS. REV. 116, 1538 (1959) W.W. HAVENS, JR., E. MELKONIAN,
L.J. RAINWATER, J.L. ROSEN (COLUMBIA)
AREA ANALYSIS. GAMMA-GAMMA ASSUMED TO BE 0.033 EV. REDUCED
NEUTRON WIDTHS OBTAINED FROM (OTHER) TOTAL CROSS SECTION
MEASUREMENTS

92-U -235 0. 4.70-05 1 AV.RES.PARAM.
92-U -235 6.20-06 6.44-05 102 RES.PARAM.

1222 NUCLEAR SCIENCE AND ENGINEERING 3, 435 (1958) E. MELKONIAN,
V. FERET-MENDEZ, M.L. MELKONIAN, W.W. HAVENS, JR.,
L.J. RAINWATER (COLUMBIA)
CU-113 (1952)
CU-163 (1957)
FOR TABULAR CROSS SECTION DATA. SLOW REACTION VELOCITY
SPECTROMETER. FISSION CROSS SECTION NORMALIZED TO 580 BARNS
AT 2200 M/SEC. SHAPE AND AREA ANALYSIS. GAMMA-GAMMA ASSUMED

92-U -235 1.19-08 4.80-02 223 TOTAL
92-U -235 1.11-08 4.02-02 336 N.FISS
92-U -235 1.00-04 5.00-03 1 AV.RES.PARAM.
92-U -235 2.90-07 8.95-06 40 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=1222

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1222

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1222 TO BE 0.025 EV EXCEPT FOR 0.29 AND 1.1 EV LEVELS

1223 NRDC-123 (1959) F.D.BROOKS, E.R.RAE (HARWELL)
 NEUTRON TIME-OF-FLIGHT METHODS. EANDC, SACLAY, PAGE 131 (1961)
 F.D.BROOKS
 FOR DESCRIPTION OF EXPERIMENT. RESONANCE PARAMETERS
 DETERMINED FROM σ/ν (NORMALIZED TO 0.63 AT 8.78 EV)
 ASSUMING A GAMMA WIDTH OF 0.033 EV. RESOLUTION WAS 30 NSEC/M.

92-U -235 6.00-06 5.00-05 1 AV.RES.PARAM.
 92-U -235 6.10-06 4.85-05 39 RES.PARAM.

1224 ATOMNAYA ENERGIYA 11, 408 (1962) I.V.GORDEEV (USSR)
 MULTILEVEL ANALYSIS OF DATA IN
 BNL-325 SUPPL.1 VOL.2 (1959)
 NO DOPPLER CORRECTION MADE

92-U -232 -5.00-07 2.29-06 15 RES.PARAM.
 92-U -235 -1.45-06 3.14-06 12 RES.PARAM.

1225 ATOMNAYA ENERGIYA 16, 211 (1964) I.V.KIRPICHNIKOV,
 K.G.IGNAT'EV, S.I.SUKHORUCHKIN (USSR)
 TRANSLATED IN
 SOVIET J. ATOMIC ENERGY 16, 251 (1964)
 AEC-TR-5916 (1963)
 AEC-TR-5734 P.29 (1961)
 ANALYSIS OF DATA FROM REF. 906. RESULTS OF ARTICLE SUPERSEDED
 VIA PRIVATE COMMUNICATION, I.V.KIRPICHNIKOV (1967).

92-U -235 -2.00-06 7.09-06 30 RES.PARAM.
 94-Pu-239 7.84-06 2.26-05 8 RES.PARAM.

1226 PHYS. LETTERS 13, 70 (1964) K.K.SETHI, R.H.TABONY,
 E.O.BILPUCH, H.W.NEWMAN (NW.UNIV.)
 ANALYSIS OF AVERAGED TOTAL CROSS SECTION MEASUREMENTS.
 RESOLUTION WAS 5-10 KEV.

23-V -51 3.00-03 6.50-01 1 AV.RES.PARAM.
 25-MN-55 3.00-03 6.50-01 1 AV.RES.PARAM.
 29-CU-NAT 3.00-03 6.50-01 2 AV.RES.PARAM.
 30-ZN-NAT 3.00-03 6.50-01 2 AV.RES.PARAM.
 33-AS-75 3.00-03 6.50-01 2 AV.RES.PARAM.
 39-Y -99 3.00-03 6.50-01 2 AV.RES.PARAM.
 40-ZR-90 3.00-03 6.50-01 2 AV.RES.PARAM.
 40-ZR-91 3.00-03 6.50-01 2 AV.RES.PARAM.
 40-ZR-92 3.00-03 6.50-01 2 AV.RES.PARAM.
 40-ZR-94 3.00-03 6.50-01 2 AV.RES.PARAM.
 41-NB-93 3.00-03 6.50-01 2 AV.RES.PARAM.
 42-MO-NAT 3.00-03 6.50-01 2 AV.RES.PARAM.
 44-RU-NAT 3.00-03 6.50-01 2 AV.RES.PARAM.
 45-RH-103 3.00-03 6.50-01 2 AV.RES.PARAM.
 46-PD-NAT 3.00-03 6.50-01 2 AV.RES.PARAM.
 47-AG-NAT 3.00-03 6.50-01 2 AV.RES.PARAM.
 48-CO-NAT 3.00-03 6.50-01 2 AV.RES.PARAM.
 49-IN-NAT 3.00-03 6.50-01 2 AV.RES.PARAM.
 50-SN-NAT 3.00-03 6.50-01 3 AV.RES.PARAM.
 51-SB-NAT 3.00-03 6.50-01 3 AV.RES.PARAM.
 53-I -127 3.00-03 6.50-01 3 AV.RES.PARAM.
 57-A-139 3.00-03 6.50-01 3 AV.RES.PARAM.
 60-LO-NAT 3.00-03 6.50-01 5 AV.RES.PARAM.
 64-GD-NAT 3.00-03 6.50-01 3 AV.RES.PARAM.
 63-LR-NAT 3.00-03 6.50-01 3 AV.RES.PARAM.
 72-HF-NAT 3.00-03 6.50-01 3 AV.RES.PARAM.
 73-TA-181 3.00-03 6.50-01 3 AV.RES.PARAM.
 74-W -NAT 3.00-03 6.50-01 3 AV.RES.PARAM.
 75-RE-NAT 3.00-03 6.50-01 2 AV.RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF. NO. = 1226

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1226

REF BIBLIOGRAPHY

1225

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
76-OS-NAT	3.00-03 6.50-01	3	AV.RES.PARAM.
77-IR-NAT	3.00-03 6.50-01	2	AV.RES.PARAM.
78-PT-NAT	3.00-03 6.50-01	2	AV.RES.PARAM.
79-AU-197	3.00-03 6.50-01	1	AV.RES.PARAM.
80-HG-NAT	3.00-03 6.50-01	1	AV.RES.PARAM.
81-TL-NAT	3.00-03 6.50-01	1	AV.RES.PARAM.
90-TH-232	3.00-03 6.50-01	2	AV.RES.PARAM.
92-U -238	3.00-03 6.50-01	2	AV.RES.PARAM.

1227 INTERNATIONAL CONF. ON NUCLEAR PHYSICS. PARIS. 2. 700 (1964)
C.A.UTTLEY (AERE)
ANALYSIS OF TOTAL CROSS SECTION DATA
AERE-M-1272 (1963)

90-TH-232	1.00-02 1.00-01	2	AV.RES.PARAM.
92-U -235	1.00-02 1.00-01	2	AV.RES.PARAM.
92-U -238	1.00-02 1.00-01	2	AV.RES.PARAM.
94-PU-239	1.00-02 1.00-01	2	AV.RES.PARAM.

1228 ATOMNAYA ENERGIYA 19, 456 (1965) YU.G.DEGTYAREV (USSR)
TRANSLATED IN
J. NUCLEAR ENERGY, PARTS A/B, 20, 818 (1968)
SPHERE TRANSMISSION MEASUREMENT. CORRECTED FOR MULTIPLE
SCATTERING

3-LI-7	1.67+01 2.07+01	3	NONELAS
6-C -NAT	1.52+01 1.98+01	2	NONELAS
7-N -NAT	1.52+01 1.98+01	2	NONELAS
13-AL-27	8.10+00 9.10+00	1	NONELAS
25-FE-56	8.10+00 1.97+01	2	NONELAS
29-CU-NAT	8.10+00 8.10+00	1	NONELAS
82-PB-NAT	8.10+00 8.10+00	1	NONELAS
92-U -235	8.10+00 8.10+00	1	NONELAS
92-U -238	8.10+00 1.75+01	3	NONELAS
94-PU-239	1.54+01 1.84+01	2	NONELAS

1229 EURO NUCLEAR 2, 77 (1965) K.O.IGNAT'EV, I.V.KIRPICHNIKOV
(ITEP, USSR)
GAMMA RAY AND NEUTRON SPECTROMETRY. RESOLUTION OF 0.02 MICRO
SEC/M. ETA/NU NORMALIZED TO 0.465 AND 0.9 AT THE 7.84 AND
15.5 EV LEVELS, RESPECTIVELY. NEUTRON WIDTHS, WHEN GIVEN ARE
AVERAGES OF THIS WORK AND REF.966. GAMMA-GAMMA ASSUMED TO BE
0.040 EV IN DETERMINING THE FISSION WIDTHS

94-PU-239	2.35-05 1.58-04	4	ALPHA SPECT.AV.
94-PU-239	7.84-06 2.70-04	54	RES.PARAM.

1230 NUCLEAR PHYS. 30, 269 (1962) J.S.FRASER,
R.B.SCHWARTZ (HARWELL)
BULL. AM. PHYS. SOC. 5, 294 (1960)
BULL. AM. PHYS. SOC. 6, 70 (1961)
AREA ANALYSIS OF SCATTERING COMBINED WITH THE TOTAL AND
FISSION CROSS SECTION BOLLINGER (REF. 936.) SPIN DEPENDENCE
OF FISSION WIDTHS INCLUDE THE GROUPING OF LEVELS USED BY
VOGT (REF. 1220)

94-PU-239	-1.20-06 4.50-05	2	AV.RES.PARAM.
94-PU-239	7.80-06 4.45-05	24	RES.PARAM.

1231 ATOMNAYA ENERGIYA 2, 247 (1957) I.V.KIRPICHNIKOV,
V.V.OKOROKOV, S.I.SUKHORUCHKIN (USSR)
TRANSLATED IN
J. NUCLEAR ENERGY 6, 163 (1963)
RESONANCE PARAMETERS DETERMINED FROM ETA/NU AND GAMMA TOTAL
OF OTHER WORKS. NORMALIZATION WAS NU=2.9 AND FISSION CROSS
SECTION = 729. ABSORPTION CROSS SECTION = 1032 AT 2200 M/SEC.

94-PU-239	3.00-07 2.61-05	29	RES.PARAM.
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1232 PHYS. REV. 144, 979 (1966) G.A.COWAN, B.P.BAYHURST,
R.J.PRESTWOOD, J.S.GILMORE, G.H.KNOBELOCH (LASL)

94-PU-239	3.00-07 8.17-05	21	RES.PARAM.
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REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF.NO.=1232

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1232

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1232 STUDY OF FISSION SYMMETRY AT INDIVIDUAL LEVELS. PETREL SOURCE. ALSO RECOMMENDED J-04 FOR THE NEGATIVE ENERGY LEVEL OR LEVELS. ENERGY RESOLUTION WAS 125 NSEC/M.

1233 PHYS. REV. LETTERS 15, 761 (1965) O.D.SAUTER, C.D.BOWMAN (LRL)
TIME OF FLIGHT SCATTERING MEASUREMENT. AREA ANALYSIS. SPIN DETERMINED USING GAMMA TOTAL AND 0 GAMMA N VALUES OF OTHER WORKS.
BULL. AM. PHYS. SOC. 11, 335 (1968)
UCRL-14200 (1968)

94-PU-239 7.90-06 8.56-05 43 RES.PARAM.

1234 A/CONF. 16, 136 (1958) S.P.KALININ, V.M.PANKRATOV (USSR)
CORRECTED DATA (BETTER KNOWLEDGE OF THE LONG COUNTER EFFICIENCY) IS GIVEN IN REF. 903

90-TH-232 3.20+00 7.30+00 9 N.FISS
92-U -233 3.00+00 8.30+00 13 N.FISS
92-U -235 2.90+00 8.30+00 10 N.FISS
92-U -238 3.10+00 6.50+00 7 N.FISS
93-NP-237 2.50+00 8.30+00 12 N.FISS
94-PU-239 3.00+00 8.30+00 13 N.FISS

1235 AERE-PR/NP-8 PAGE 4 (1965) O.D.JAMES (HARWELL)
PHYS. AND CHEM. OF FISSION. IAEA, SALZBURG, 1, 235 (1965)
TIME OF FLIGHT TECHNIQUE. NO POSITIVE INDICATION OF FISSION WAS OBSERVED FOR THE POSITIVE ENERGY RESONANCES BELOW 100 EV.
UPPER LIMITS ON THE FISSION WIDTH ARE GIVEN FOR THE 2.89, 9.98 AND 18.57 EV LEVELS. UTILIZING E. TOTAL AND NEUTRON WIDTHS FROM REF. 1210

94-PU-238 -5.00-07-5.00-07 1 RES.PARAM.

1236 PHYS. REV. 127, 461 (1962) J.L.JACKSON, J.E.LYNN (ANL)
TIME OF FLIGHT TECHNIQUE. SHAPE ANALYSIS. RESOLUTION WAS 38 NSEC/M.

76-OS-189 6.71-06 6.71-06 2 RES.PARAM.
92-U -238 6.65-06 6.65-06 2 RES.PARAM.

1237 PHYS. REV. 103, 1778 (1956) R.G.FLUHARTY, F.B.SIMPSON, O.D.SIMPSON (PHILLIPS)
TIME OF FLIGHT TECHNIQUE. MTR FAST CHOPPER. AREA ANALYSIS. GAMMA-GAMMA ASSUMED EQUAL TO 0.0293 EV BASED ON 4 LEVELS WHEN NOT MEASURED.
BNL-325 2ND ED. SUPPL.2 (1965)
FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS. RESOLUTION WAS 50-170 NSEC/M.

47-AG-NAT 4.02-05 6.75-04 123 TOTAL
47-AG-NAT 1.47-04 2.51-04 2 RES.PARAM.
47-AG-107 1.65-05 2.06-04 14 RES.PARAM.
47-AG-109 3.08-05 3.16-04 22 RES.PARAM.
73-TA-181 1.40-05 1.47-04 54 RES.PARAM.
92-U -238 2.00-05 2.00-04 4 AV.RES.PARAM.
92-U -238 2.12-05 2.00-04 32 RES.PARAM.

1238 PHYS. REV. 101, 1328 (1956) J.S.LEVIN, D.J.HUGHES (BNL)
FAST CHOPPER, TIME OF FLIGHT. U238 RESONANCE PARAMETERS DETERMINED BY AREA ANALYSIS. ENRICHED ISOTOPES

72-HF-177 2.38-06 6.50-06 9 RES.PARAM.
80-HO-188 2.33-05 2.33-05 3 RES.PARAM.
80-HO-189 3.40-05 3.40-05 5 RES.PARAM.
92-U -238 6.70-06 3.71-05 2 AV.RES.PARAM.
92-U -238 6.70-06 3.71-05 18 RES.PARAM.

1239 PROC. INT. CONF. ON NUCLEAR STRUCTURE, KINGSTON, P.882 (1960) N.J.PATTENDEN, J.A.HARVEY (ORNL)
TRANSMISSION MEASUREMENT. MULTILEVEL ANALYSIS WITH GAMMA-GAMMA ASSUMED EQUAL TO 0.045 EV (EXCEPT FOR THE 0.188 EV LEVEL, FOR WHICH IT WAS TAKEN AS 0.040 EV). RESOLUTION WAS LESS THAN 1.5 PERCENT BELOW 100 EV.

92-U -233 -1.00-06 2.54-05 56 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-196 ***

REF.NO.=1239

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1239

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

- 1239 BULL. AM. PHYS. SOC. 5, 33 (1960)
N.J.PATTENDEN, J.A.HARVEY, A.CULKOWSKI, N.DISHUKE
- 1240 PRIVATE COMMUNICATION (1964) H.NIFENECKER (SACLAY)
VIA BNL 510A CENTER
TIME OF FLIGHT TECHNIQUE. RESONANCE PARAMETERS ARE REPORTED
IN REFERENCES 1241 AND 1242
J. PHYSIQUE 24, 254 (1963) H.NIFENECKER, D.PAYA, J.FAOUT
- 1241 J. PHYSIQUE 25, 877 (1964) H.NIFENECKER (SACLAY)
SHAPE AND AREA ANALYSIS. RADIATION WIDTH ASSUMED CONSTANT AT
0.045 EV. RESONANCE PARAMETERS BELOW 30 EV HAS BEEN
SUPERCEDED BY REF. 1242. CROSS SECTION GIVEN IN REF. 1240
- 1242 PHYS. AND CHEM. OF FISSION, IAEA, SALZBURG, 1, 245 (1965)
H.NIFENECKER, G.PERRIN (SACLAY)
LEAST SQUARES ANALYSIS, ASSUMING 0-1/2 AND GAMMA-GAMMA =
0.045 EV. SUPERCEDES DATA IN REF. 1241 BELOW 30 EV.
CROSS SECTION GIVEN IN REF. 1240
- 1243 PHYS. REV. 100, 1249 (1955) V.L.SAILOR (BNL)
TRANSMISSION MEASUREMENT. SHAPE ANALYSIS. RESONANCE
PARAMETERS TAKEN FROM
BNL-325 2ND ED. SUPPL.2 VOL.3 (1955)
- 1244 PRIVATE COMMUNICATION (1964) V.A.KONKS (USSR)
DATA OBTAINED FROM NNCS
- 1245 PHYS. REV. 171, 1293 (1968)
G.E.THOMAS, L.M.BOLLINGER (ANL)
TRANSMISSION MEASUREMENT ON THICK SAMPLE, COOLED TO 75
DEGREES KELVIN FOR P HAVE RESONANCES, AVERAGE LEVEL SPACING
ABOUT 6 EV. RESOLUTION WAS ABOUT 25 NSEC/M.
NUCLEAR STRUCTURE STUDY WITH NEUTRONS, ANTHERP, P/26 (1965)
- 1246 LA-266 (1945) E.E.ANDERSON B.D.MC DANIEL, R.B.SUTTON (LASL)
A/CONF. 1, 103 (1955) B.R.LEONARD, JR.
SLOW CHOPPER. FISSION CROSS SECTION NORMALIZED TO 705 BARNs
AT 0.0253 EV
- 1247 PHYS. REV. 105, 661 (1957) L.M.BOLLINGER, R.E.COTE,
D.A.DAHLBERG, G.E.THOMAS (ANL)
FAST CHOPPER. TRANSMISSION MEASUREMENT. AREA AND WING
ANALYSIS. GAMMA-GAMMA TAKEN AS 0.024 EV. EXCEPT AS NOTED.
RESOLUTION WAS 80 NSEC/M.
- 1248 ATOMNAYA ENERGIYA 5, 69 (1958) V.V.VIADIMIRSKII, A.A.PANOV,
I.A.RADKEVICH, V.V.SOKOLOVSKY
TRANSLATED IN
SOVIET J. ATOMIC ENERGY 5, 883 (1958)
CHOPPER U233 FISSION CROSS SECTION NORMALIZED TO 532 BARNs
AT 0.0253 EV. AREA ANALYSIS. BEST RESOLUTION FOR U233 WAS 200
- 92-U -233 1.73-06 6.28-05 2038 N,FISS
- 92-U -233 3.12-05 3.80-05 27 RES.PARAM.
- 92-U -233 1.70-06 3.00-05 3 AV.RES.PARAM.
92-U -233 1.82-06 2.95-05 148 RES.PARAM.
- 92-U -233 1.78-06 1.04-05 25 RES.PARAM.
- 31-0A-NAT 4.00-09 9.00-02 108 N.G
- 92-U -238 0. 1.00-04 1 AV.RES.PARAM.
92-U -238 4.41-06 1.73-04 31 RES.PARAM.
- 94-PU-239 2.53-08 2.53-09 1 TOTAL
94-PU-239 2.95-07 2.95-07 2 RES.PARAM.
- 92-U -238 1.12-06 3.91-04 401 TOTAL
92-U -238 0. 1.89-04 4 AV.RES.PARAM.
92-U -238 6.67-06 2.37-04 68 RES.PARAM.
- 33-AS-75 4.68-05 9.70-05 8 RES.PARAM.
73-TA-181 3.50-05 3.50-05 1 RES.PARAM.
83-B1-209 8.00-04 2.30-03 4 RES.PARAM.
92-U -233 1.47-06 1.90-05 16 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-197 ***

REF.NO.=1248

07/04/78

EC5IL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1248

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1248 NSEC/M.

1249 PHYS. REV. 118, 714 (1960) M.S. MOORE, L.G. MILLER,
O.D. SIMPSON (PHILLIPS)
FOR DATA TABULATION SEE
100-16576 (0000)
MTR FAST CHOPPER, SIMULTANEOUS
MEASUREMENTS OF THE TOTAL AND FISSION CROSS SECTION. THE
FISSION CROSS SECTION HAS NORMALIZED TO 524 BARNS AT 0.0253
EV. RESOLUTION WAS 120 NSEC/M ABOVE 12 EV AND 180 NSEC/M DOWN
TO 1.7 EV.
BULL. AM. PHYS. SOC. 2, 70 (1957) L.G. MILLER, R.D. FLUMARTY,
R.M. BRUGGER, M.S. MOORE
SEE ALSO REFERENCE 1030

92-U -233 2.03-08 2.16-04 1071 TOTAL
92-U -233 1.94-08 2.59-04 953 N.FISS
92-U -233 0. 2.00-05 1 AV.RES.PARAM.

1250 PHYS. REV. 118, 710 (1960) M.S. MOORE, C.W. REICH (PHILLIPS)
MULTILEVEL ANALYSIS OF CROSS SECTION MEAS. IN REFERENCE
1249. ONE FISSION CHANNEL PARAMETERS WERE TABULATED HERE.
SIGN ON GAMMA FISSION IS TO BE ASSOCIATED WITH THE FISSION
INTERFERENCE TERM. 1.55, 4.75 EV LEVELS DO NOT INTERFERE.
ALSO GIVEN ARE TWO FISSION CHANNEL PARAMETERS WHICH FIT THE
CROSS SECTION DATA BETTER AT LOW ENERGIES.

92-U -233 1.95-07 1.04-05 48 RES.PARAM.

1251 NUCLEAR PHYS. 41, 614 (1963) F.W.K. FIRK, J.E. LYNN,
M.C. MOXON (HARWELL)
TIME OF FLIGHT TECHNIQUE. AREA ANALYSIS. RESOLUTION WAS 2.5
NSEC/M.
THIS SUPERCEDES DATA OF HAR-AC-1, REPORTED ON P.318, BNL-325
(1958)

92-U -238 4.01-04 1.94-03 670 TOTAL
92-U -238 0. 1.00-03 3 AV.RES.PARAM.
92-U -238 3.64-05 1.80-03 182 RES.PARAM.

1252 PHYS. REV. LETTERS 18, 15 (1967) C.D. BOWMAN,
G.F. AUCHAMPAUGH, W.F. STUBBINS, T.E. YOUNG, F.B. SIMPSON,
M.S. MOORE (LRL, U. OF CALIF., IDAHO NUCLEAR)
RESONANCE PARAMETERS OBTAINED BY AREA ANALYSIS OF FISSION
CROSS SECTION (LRL, SEE REF. 1083) AND TOTAL CROSS SECTION
(IDAHO NUCLEAR, UNPUBLISHED). AN AVERAGE VALUE OF 0.038 EV
WAS USED FOR GAMMA-GAMMA
UCRL-70069 (1966)

94-PU-238 0. 1.00-05 2 AV.RES.PARAM.
94-PU-238 2.91-08 1.22-04 29 RES.PARAM.

1253 PRIVATE COMMUNICATION (1962) M.C. MOXON, C.M. MYCOCK
VIA BNL SIGMA CENTER. DATA TABULATED IN
BNL-325 2ND ED. SUPPL. 2 (1965)
CAPTURE MEASUREMENT. PARAMETERS OF PART OF
THE RESONANCES RELY ON THICK SAMPLE TRANSMISSION MEASUREMENTS
OF FIRK, LYNN, MOXON AND UTLEY.

92-U -238 3.65-05 7.05-04 42 RES.PARAM.

1254 Z. PHYSIK 196, 103 (1966) S.G. BUCCINO, C.E. HOLLANDSWORTH,
P.R. BEVINGTON (DUKE)
TIME OF FLIGHT TECHNIQUE

40-ZR-NAT 5.00+00 5.00+00 13 ELASTIC (DIA)
41-NB-93 5.00+00 5.00+00 13 ELASTIC (DIA)
47-AG-NAT 5.00+00 5.00+00 13 ELASTIC (DIA)
51-SB-NAT 5.00+00 5.00+00 13 ELASTIC (DIA)
58-CE-NAT 5.00+00 5.00+00 13 ELASTIC (DIA)
59-PR-141 5.00+00 5.00+00 13 ELASTIC (DIA)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-198 ***

REF.NO.=1254

17/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1254

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
1254	73-TA-NAT	5.00+00 5.00+00	13 ELASTIC D(A)
	79-AU-197	5.00+00 5.00+00	13 ELASTIC D(A)
	81-TL-NAT	5.00+00 5.00+00	13 ELASTIC D(A)
	RA010 LEAD	5.00+00 5.00+00	13 ELASTIC D(A)
	90-TH-232	5.00+00 5.00+00	13 ELASTIC D(A)
	92-U -NAT	5.00+00 5.00+00	13 ELASTIC D(A)
1255 UKR. FIZ. ZH. 9, 929 (1964) I.A.KORZH, M.T.SKLYAR, I.A.TOTSKI (USSR)	42-MO-NAT	3.00-01 8.00-01	3 ELASTIC
	42-MO-NAT	3.00-01 8.00-01	24 ELASTIC D(A)
	51-SB-NAT	3.00-01 8.00-01	3 ELASTIC
	51-SB-NAT	3.00-01 8.00-01	24 ELASTIC D(A)
	74-W -NAT	3.00-01 8.00-01	3 ELASTIC
	74-W -NAT	3.00-01 8.00-01	24 ELASTIC D(A)
	92-U -NAT	3.00-01 5.00-01	2 ELASTIC
	92-U -NAT	3.00-01 5.00-01	16 ELASTIC D(A)
1256 J. EXPTL. THEORET. PHYS. (USSR) 44, 130 (1963) YU.V.DUKAREVICH, A.N.DYUMIN (OFFE INST., USSR) TRANSLATED IN SOVIET PHYS. JETP 17, 89 (1963)	74-W -NAT	1.42+01 1.42+01	9 ELASTIC D(A)
	82-PB-NAT	1.42+01 1.42+01	9 ELASTIC D(A)
	83-BI-209	1.42+01 1.42+01	13 ELASTIC D(A)
	90-TH-232	1.42+01 1.42+01	12 ELASTIC D(A)
	92-U -NAT	1.42+01 1.42+01	13 ELASTIC D(A)
1257 J. EXPTL. THEORET. PHYS. (USSR) 40, 1878 (1961) YU.A.ALEKSANDROV, G.V.ANIKIN, A.S.SOLDATOV (USSR) TRANSLATED IN SOVIET PHYS. JETP 13, 1319 (1961) NEUTRON SEPARATED FROM BROAD REACTOR SPECTROM. IONIZATION CHAMBER	29-CU-NAT	8.00-01 2.80+00	47 ELASTIC D(A)
	90-TH-232	8.00-01 2.80+00	47 ELASTIC D(A)
	92-U -NAT	8.00-01 2.80+00	47 ELASTIC D(A)
1258 PROC. PHYS. SOC. (LONDON) 88, 940 (1955) W.D.ALLEN, A.T.G.FERGUSON (AERE) RELATIVE. LONG COUNTER. RECOIL PROTON COUNTER. CORRECTED FOR MULTIPLE SCATTERING	38-SR-86	8.00-02 8.00-02	4 ELASTIC D(A)
	50-SN-120	8.00-02 8.00-02	4 ELASTIC D(A)
	92-U -NAT	8.00-02 8.00-02	5 ELASTIC D(A)
1259 PHYS. REV. 142, 758 (1966) A.J.ELWYN, J.E.MONAHAN, R.O.LANE, A.S.LANGSDORF, JR., F.P.MOORING (ANL) VAN DE GRAAFF GENERATOR NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTHERP, P/150 (1965)	92-U -NAT	8.30-01 8.30-01	7 ELASTIC D(A)
	92-U -NAT	8.30-01 8.30-01	10 SCATTER D(A)
1260 PHYS. REV. 137, 629 (1965) M.WALT, D.B.FOSSAN (LOCKHEED) VAN DE GRAAFF GENERATOR	92-U -NAT	5.70-01 5.70-01	7 ELASTIC D(A)
1261 NUCLEAR PHYS. 40, 186 (1963) P.H.BOWEN, G.C.COX, G.B.HUXTABLE, J.P.SCANLON, J.J.THRESHER (HARWELL) TIME OF FLIGHT SPECTROMETER	92-U -NAT	1.80+01 1.20+02	48 ELASTIC D(A)
1262 ATOMNAYA ENERGIYA 11, 395 (1961) B.YA.GUZHOVSKI (USSR) TRANSLATION IN SOVIET J. ATOMIC ENERGY 11, 1041 (1962) RING GEOMETRY. CORRECTED FOR MULTIPLE SCATTERING	29-CU-NAT	1.50+01 1.50+01	17 ELASTIC D(A)
	82-PB-NAT	1.50+01 1.50+01	46 ELASTIC D(A)
	92-U -NAT	1.50+00 1.50+01	32 ELASTIC D(A)
1263 ANNALES DE LA SOCIETE SCIENTIFIQUE DE BRUXELLES 75, 102 (1961)	26-FE-NAT	1.40+01 1.40+01	2 ELASTIC D(A)
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION

*** 3-199 ***

REF.NO.=1263

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1263

REF BIBLIOGRAPHY

1263 G. DECONNINCK, A. MARTEGANI, J. P. MEULDERS, J. STOQUART (LOUVAIN)

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
29-CU-NAT	1.40+01 1.40+01	3 ELASTIC D(A)
30-ZN-NAT	1.40+01 1.40+01	8 ELASTIC D(A)
48-CO-NAT	1.40+01 1.40+01	4 ELASTIC D(A)
50-SN-NAT	1.40+01 1.40+01	3 ELASTIC D(A)
82-PB-NAT	1.40+01 1.40+01	3 ELASTIC D(A)
83-BI-209	1.40+01 1.40+01	7 ELASTIC D(A)
92-U -NAT	1.40+01 1.40+01	3 ELASTIC D(A)

1264 NUCLEAR PHYS. 65, 236 (1965) R. BATCHELOR, H. B. GILBOY, J. H. FOWLE (AMRE)
TIME OF FLIGHT SPECTROMETER. RELATIVE TO H SIGMA

90-TH-232	2.00+00 7.00+00	4 TOTAL
90-TH-232	2.00+00 7.00+00	4 ELASTIC
90-TH-232	3.00+00 7.00+00	3 N,N'EMS
90-TH-232	1.2+00 2.40+00	5 N,N'
90-TH-232	3.00+00 7.00+00	39 ELASTIC D(A)
90-TH-232	2.00+00 2.00+00	11 SCATTER D(A)
90-TH-232	3.00+00 7.00+00	6 NUCLEAR TEMP.
92-U -238	2.00+00 7.00+00	4 TOTAL
92-U -238	2.00+00 7.00+00	4 ELASTIC
92-U -238	3.00+00 7.00+00	3 N,N'EMS
92-U -238	1.60+00 3.00+00	6 N,N'
92-U -238	3.00+00 7.00+00	39 ELASTIC D(A)
92-U -238	2.00+00 2.00+00	11 SCATTER D(A)
92-U -238	2.00+00 2.00+00	18 N,N' D(A)
92-U -238	3.00+00 7.00+00	6 NUCLEAR TEMP.

1265 NUCLEAR PHYS. 71, 228 (1965) E. BARNARD, A. T. G. FERGUSON, W. R. MC MURRAY, I. J. VAN HEERDEN (AERE)
TIME OF FLIGHT TECHNIQUE

92-U -235	1.00-01 1.00-01	42 N, FISS D(E)
92-U -235	1.00-01 1.00-01	1 NUCLEAR TEMP.
92-U -238	2.08+00 4.90+00	79 N, FISS D(E)
92-U -238	2.08+00 4.90+00	2 NUCLEAR TEMP.
94-PU-239	1.30-01 1.30-01	48 N, FISS D(E)
94-PU-239	1.30-01 1.30-01	1 NUCLEAR TEMP.

1266 NUCLEAR PHYS. 71, 311 (1965) L. G. STROMBERG, S. SCHWARZ (SWEDEN)
TIME OF FLIGHT
NP-15012 (1965)

92-U -238	9.50-02 9.50-02	1 N,N'
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1267 NUCLEAR PHYS. 80, 46 (1966) E. BARNARD, A. T. G. FERGUSON, W. R. MC MURRAY, I. J. VAN HEERDEN (AERE)
TIME OF FLIGHT TECHNIQUE
NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/26 (1965)

92-U -238	7.50-02 9.90-01	54 ELASTIC D(A)
92-U -238	1.06-01 1.62+00	95 N,N' D(A)

1268 PHYS. REV. 128, 1271 (1962) C. I. HUDSON, JR., H. S. WALKER, S. BERKO (U. OF VIRGINIA)
TIME OF FLIGHT. NOT CORRECTED FOR INELASTIC SCATTERING
UCRL-6875 (1962) C. I. HUDSON, JR.
DIFFERENTIAL SCATTERING OF 15 MEV NEUTRONS USING TIME OF FLIGHT TECHNIQUES (1962) UNIV. MICROFILMS, INC., ANN ARBOR, MICH.

73-TA-NAT	1.52+01 1.52+01	1 SCATTER
73-TA-NAT	1.52+01 1.52+01	37 SCATTER E1-E2, D(A)
83-BI-209	1.52+01 1.52+01	1 SCATTER
83-BI-209	1.52+01 1.52+01	29 SCATTER E1-E2, D(A)
90-TH-232	1.52+01 1.52+01	1 SCATTER
90-TH-232	1.52+01 1.52+01	32 SCATTER E1-E2, D(A)
92-U -NAT	1.52+01 1.52+01	1 SCATTER
92-U -NAT	1.52+01 1.52+01	32 SCATTER E1-E2, D(A)

1269 ATOMNAYA ENERGIYA 10, 68 (1961) N. N. FLEROV, V. M. TALYZIN (USSR)

92-U -233	1.40+01 1.40+01	1 NU-PRMT
92-U -233	1.40+01 1.40+01	1 ETA

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
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*** 3-200 ***

REF. NO. = 1269

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1269

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1269 TRANSLATED IN J. NUCLEAR ENERGY, PARTS A/B, 17, 423 (1963) SPHERICAL SHELL MEASUREMENT	94-PU-239 94-PU-239	1.40+01 1.40+01 1.40+01 1.40+01	1 1	NU-PRMT ETA
1270 J. NUCLEAR ENERGY, PARTS A/B, 14, 100 (1961) K.W.ALLEN, P.BONYER, J.L.PERKIN (AWRE) SPHERICAL SHELL MEASUREMENT (N,3N) AND (N,N') CROSS SECTION OBTAINED BY UTILIZING OTHER REACTION-CROSS SECTION-DATA	92-U -238 92-U -238 92-U -238	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 1 1	N,N' N,3N ETA
1271 EANDC(E)-49L PAGE 85 (1963) D.DIDIER, H.DILLEMANN, P.THOUVENIN, E.FORT (FRANCE) SPHERICAL SHELL TRANSMISSION J. PHYSIQUE 24, 805 (1963)	4-BE-9 29-CU-NAT 92-U -NAT	1.42+01 1.42+01 1.47+01 1.47+01 1.4 +01 1.47+01	1 1 1	NONELAS NONELAS NONELAS
1272 NUCLEAR PHYS. 47, 633 (1963) A.B.SMITH (ANL) TIME OF FLIGHT TECHNIQUE, NORMALIZED TO ELASTIC SCATTERING FOR CARBON TRANS. AM. NUCLEAR SOC. 5, 363 (1962)	92-U -238 92-U -238 92-U -238 92-U -238 92-U -238 92-U -238	3.00-01 1.49+00 8.50-01 1.49+00 3.50-01 1.50+00 5.50-01 1.00+00 3.00-01 1.17+00 8.50-01 1.49+00	30 13 60 19 85 130	ELASTIC SCATTER N,N' ELASTIC DIA) ELASTIC LEGEND.COEF SCATTER LEGEND.COEF
1273 NUCLEAR SCIENCE AND ENGINEERING 18, 126 (1964) A.B.SMITH (ANL) PULSED BEAM TIME OF FLIGHT, NORMALIZED TO ANGULAR DISTRIBUTION OF CARBON TRANS. AM. NUCLEAR SOC. 5, 363 (1962)	92-U -235 92-U -235	3.00-01 1.49+00 3.00-01 1.49+00	28 152	ELASTIC ELASTIC LEGEND.COEF
1274 PROC. PHYS. SOC. (LONDON) 73, 193 (1959) R.BATCHELOR, J.H.TOWLE (AWRE) TIME OF FLIGHT, FOR A NEUTRON ENERGY OF 0.74 MEV IN THE 32, THE INTEGRATED CROSS SECTION WERE ASSUMED EQUAL TO H P I CROSS SECTION (90 DEGREES)	90-TH-232 90-TH-232 90-TH-232 92-U -238 92-U -238	1.35+00 1.58+00 1.35+00 1.58+00 7.40-01 7.40-01 1.35+00 1.58+00 1.35+00 1.58+00	3 2 2 4 2	N,N' DIA) N,N' DIA) N,N' C/S RATIO N,N' DIA) N,N' DIA)
1275 ACTA CRYST. 15, 351 (1962) R.B.ROOF, JR., G.P.ARNOLD, K.A.GSCHNEIDER, JR. (LASL) NEUTRON DIFFRACTION TRANSMISSION TECHNIQUES, USED THERMAL NEUTRON WAVE LENGTH 1.391 ANGSTROMS, BASED ON NI COHERENT SCATTERING AMPLITUDE	8-O -NAT 90-TH-232 92-U -NAT 94-PU-239	4.20-08 4.20-08 4.20-08 4.20-08 4.20-08 4.20-08 4.20-08 4.20-08	1 1 1 1	COHERT COHERT COHERT COHERT
1276 J. INORG. NUCLEAR CHEM. 23, 187 (1961) S.E.VANDENBOSCH, J.GRAY, JR. (ANL) THERMAL COLUMN, BASED ON: U233 SIGMA F=527 BARNS AT .0253 EV	95-AM-244	2.50-08 2.50-08	1	N,FISS SPECT.AV.
1277 TRANS. AM. NUCLEAR SOC. 7, 78 (1964) L.J.ESCH, F.FEINER, J.L.MEWHERTER, A.F.HEITCAMP, H.M.EILAND (KAPL) IRRADIATION MEASUREMENT, DETERMINED CHANGE IN U235/U235 RATIO AS WELL AS TOTAL NUMBER OF FISSIONS	92-U -235 92-U -235 92-U -235	5.00-07 1.40+01 5.00-07 1.40+01 5.00-07 1.40+01	1 1 1	N,FISS RES.INT. N,O RES.INT. ALPHA RES.INT.
1278 TRANS. AM. NUCLEAR SOC. 7, 272 (1964) L.J.ESCH, F.FEINER (KAPL) ANS MEETING, GATLINBURG, 'ROUND TABLE DISCUSSION ON THE U235 EPITHERMAL CROSS SECTIONS' (1965) ESCH, PRESENTS REVISED	92-U -233 92-U -233 92-U -233 92-U -235	5.00-07 1.40+01 5.00-07 1.40+01 5.00-07 1.40+01 5.00-07 1.40+01	1 1 1 1	N,FISS RES.INT. N,O RES.INT. ALPHA RES.INT. N,FISS RES.INT.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-201 ***

REF.NO.=1278

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1278

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1278 VALUES FOR U235. MASS SPECTROMETRIC AND RADIOCHEMICAL ANALYSIS. RESONANCE INTEGRALS RELATIVE TO AU-197 VALUE OF 1448 +/- 60	92-U -235	5.00-07 1.40+01	1 N.G	RES.INT.
	92-U -235	5.00-07 1.40+01	1 ALPHA	RES.INT.
1279 J. NUCLEAR ENERGY 1, 92 (1954) P.A.EGELSTAFF (AERE) SLOW CHOPPER	92-U -NAT	2.53-08 2.53-08	1	ELASTIC
	92-U -NAT	0. 0.	1	COHERT
	92-U -235	2.53-08 2.53-08	1	TOTAL
	92-U -235	2.53-08 2.53-08	1	ABSORP
	92-U -238	2.53-08 2.53-08	1	ABSORP
1280 J. NUCLEAR ENERGY 6, 285 (1958) S.J.COCKING (AERE) DETERMINATION OF SIGMA T / SIGMA F BY COMPARISON OF (PU239 SIGMA T)/(AU197 SIGMA T) AND OF (PU239 SIGMA F)/(AU197 (N, GAMMA)) IN PB-BI FILTERED BEAM OF COLD NEUTRONS NRDC-101 (TNCC(UK)14) (1957)	92-U -233	1.10-09 1.10-09	1	ALPHA
	92-U -235	1.10-09 1.10-09	1	ALPHA
	94-PU-239	1.10-09 1.10-09	1	ALPHA
1281 J. NUCLEAR ENERGY, PARTS A/B, 15, 165 (1961) A.J.DERUYTTER (BELOIUM) SLOW CHOPPER. ASSUMED AU(N,GAMMA) TO CONSIST OF 1/V PART = 97.7 +/- .5 BARNS AT .0253 EV	92-U -235	1.09-08 1.18-07	26	N.FISS
1282 AECL-1965 (1964) A.OKAZAKI, M.LOUNSBURY, R.W.DURHAM, I.H.CROCKER (CHALK RIVER) IRRADIATION IN NRU REACTOR. MASS SPECTROMETRIC AND CHEMICAL ANALYSIS	92-U -235	2.50-06 2.50-08	1	ALPHA
1283 J. NUCLEAR ENERGY, PARTS A/B, 19, 325 (1965) P.H.WHITE (AWRE) IONIZATION CHAMBER. RELATIVE TO H SIGMA EANDC(UK)-515 (1964)	92-U -235	4.00-02 1.41+01	12	N.FISS
1284 J. NUCLEAR ENERGY, PARTS A/B, 20, 588 (1966) K.WOLFSBERG, G.P.FORD, H.L.SMITH (LASL) BASED ON U25 SIGMA F = 582 +/- 4 BARNS	95-AM-242	2.50-08 2.50-08	1	N.FISS SPECT.AV.
1285 NUCLEAR SCIENCE AND ENGINEERING 5, 225 (1959) C.O.MUEHLHAUSE PILE OSCILLATOR IN U25 H2O REACTOR MEASUREMENTS WERE FOR SUBCADMIUM SPECTRA. AUTHOR USED SPECTRAL CORRECTION FACTOR F = 0.872. WE HAVE DETERMINED ALPHA HERE BY TAKING NU = 2.494, 2.430 AND 2.871 FOR U233, U235, AND PU239, RESPECTIVELY	92-U -233	2.53-08 2.53-08	1	ETA
	92-U -233	2.53-08 2.53-08	1	ALPHA
	92-U -235	2.53-08 2.53-08	1	ETA
	92-U -235	2.53-08 2.53-08	1	ALPHA
	94-PU-239	2.53-08 2.53-08	1	ETA
	94-PU-239	2.53-08 2.53-08	1	ALPHA
1286 NUCLEAR SCIENCE AND ENGINEERING 6, 433 (1959) G.J.SAFFORD, W.W.HAVENS, JR., B.M.RUSTAD (CU AND BNL) CRYSTAL SPECTROMETER. PILE NEUTRON RESEARCH IN PHYSICS. VIENNA, PAGE 203 (1960) BULL. AM. PHYS. SOC. 5, 33 (1960)	92-U -235	8.18-10 8.18-08	31	TOTAL
1287 NUCLEAR SCIENCE AND ENGINEERING 8, 210 (1960) R.L.MACKLIN, G.DE SAUSSURE, J.D.KINGTON, W.S.LYON (ORNL) MANGANESE BATH ACTIVATION METHOD	92-U -233	2.53-08 2.53-08	1	ETA
	92-U -233	2.53-08 2.53-08	1	ALPHA
	92-U -235	2.53-08 2.53-08	1	ETA
	92-U -235	2.53-08 2.53-08	1	ALPHA

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-202 ***

REF.NO.=1287

07/04/76

EC5IL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1268

REF	BIBLIOGRAPHY	TARGET	EN.	RANGE (MEV)	PTS	DESCRIPTION
1288	NUCLEAR SCIENCE AND ENGINEERING 11, 65 (1961) G.J.SAFFORD, W.H.HAVENS,JR. (CU) CRYSTAL SPECTROMETER	94-PU-239	2.91-09	1.00-07	17	TOTAL
1289	NUCLEAR SCIENCE AND ENGINEERING 12, 359 (1962) R.GWIN, D.W.MAGNUSON (ORNL) AUTHORS FOUND (U233 ETA SIGMA A/U235 ETA SIGMA A) AVG.=.966 +/- .014. DEDUCED ETA BY USING APPROPRIATE VALUES OF SIGMA A AVG. AND ETA VALUE BY ASSUMING SPECTRAL CORRECTION FACTOR F=1.000. WE HAVE DETERMINED ALPHA BY TAKING NU = 2.494 AND 2.871 FOR U233 AND PU239, RESPECTIVELY. NUCLEAR SCIENCE AND ENGINEERING 44, 266 (1971) CORRECTS 1962 RESULTS. RELATIVE TO U-235 ETA.	92-U -233 92-U -233 94-PU-239 94-PU-239	2.53-08 2.53-08 2.53-08 2.53-08	2.53-08 2.53-08 2.53-08 2.53-08	1 1 1 1	ETA ALPHA ETA ALPHA
1290	NUCLEAR SCIENCE AND ENGINEERING 12, 364 (1962) R.GWIN, D.W.MAGNUSON (ORNL) AUTHORS REPORTED VALUE BASED ON WESTCOTT'S G=1.0. WE HAVE DETERMINED ALPHA BY TAKING NU = 2.494 AND 2.430 FOR U233 AND U235, RESPECTIVELY. NUCLEAR SCIENCE AND ENGINEERING 44, 266 (1971) CORRECTS 1962 RESULTS.	92-U -233 92-U -233 92-U -235 92-U -235	2.53-08 2.53-08 2.53-08 2.53-08	2.53-08 2.53-08 2.53-08 2.53-08	1 1 1 1	ETA ALPHA ETA ALPHA
1291	NUCLEAR SCIENCE AND ENGINEERING 13, 18 (1962) M.S.MOORE, F.B.SIMPSON (PHILLIPS) FAST CHOPPER. COUNTED SCATTERED NEUTRON. RELATIVE TO CU SCATTERING SIGMA = 7.55 BARNS	92-U -233	1.70-06	1.86-05	55	ELASTIC
1292	PRIVATE COMMUNICATION (1965) VAN SHI-DI, VAN JUN-CHAN, RJABOV (DUBNA) VIA IAEA VIENNA AND BNL. PULSED REACTOR. TIME OF FLIGHT TECHNIQUE	92-U -235	2.18-07	3.06-02	2913	N,FISS
1293	PRIVATE COMMUNICATION (1966) T.A.MOSTOVAJA (KURCHATOV INST.,MOSCOW) VIA IAEA VIENNA AND BNL. ELECTRON LINAC ICD-3 PAGE 10 (1966) T.A.MOSTOVAJA, O.G.BESPALOV	92-U -235	8.24-07	1.68-04	1960	N,FISS
1294	YAD. FIZ. 5, 925 (1967) YU.V.RYABOV, HANG YUNG-CHANG. E.DERMENDZHIEV, CHANG PEI-SHU (JINR, USSR) TRANSLATION SOVIET J. NUCLEAR PHYS. 5, 667 (1967) VIA IAEA VIENNA AND BNL. PULSED REACTOR. TIME OF FLIGHT TECHNIQUE	94-PU-239	5.55-06	2.30-02	1389	N,FISS
1295	PHYS. REV. 123, 629 (1961) S.J.DU TOIT, L.M.BOLLINGER (ANL) TRANSMISSION MEASUREMENT PLUS CAPTURE GAMMA SPECTRA ANALYSIS	53-I -127	1.07-05	1.07-05	1	RES.PARAM.
1296	NUCLEAR SCIENCE AND ENGINEERING 14, 101 (1962) R.L.MACKLIN, G.DE SAUSSURE, J.O.KINGTON, W.S.LYON (ORNL) MANGANESE BATH ACTIVATION METHOD. MEASURED FOR SUB-CADMIUM SPECTRUM, BUT CORRECTED FOR E=.0253 EV	94-PU-239 94-PU-239	2.53-08 2.53-08	2.53-08 2.53-08	1 1	ETA ALPHA

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=1296

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
1297 NUCLEAR SCIENCE AND ENGINEERING 20, 80 (1964) L.W.WESTON, G.DE SAUSSURE, R.GWIN (ORNL) LARGE LIQUID SCINTILLATOR. WE HAVE DETERMINED THE (N,GAMMA) CROSS SECTION HERE FROM THE ALPHA DATA BY USING THE FISSION CROSS SECTIONS FROM THE LRL EVALUATED NEUTRON CROSS SECTION LIBRARY (5/1/68)	92-U -235 92-U -235	1.23-02 6.90-01 1.23-02 6.90-01	26 N,G 26 ALPHA
1298 NUCLEAR SCIENCE AND ENGINEERING 22, 121 (1965) J.HARDY, JR. (DET715) CADMIUM RATIO ACTIVATION TECHNIQUE. MEASUREMENT RELATIVE TO RESONANCE CAPTURE OF Au197	90-TH-232 92-U -233	5.00-07 1.46+01 5.00-07 1.46+01	1 N,G RES.INT. 1 N,FISS RES.INT.
1299 NUKLEONIK 8, 1 (1966) E.HELLSTRAND (SWEDEN) CADMIUM AND BORON FILTERS AE-181 (1965) FISSION CHAMBER MEASUREMENT. SEE REF. FOR NORMALIZATION	92-U -235 94-PU-239	5.00-07 1.00+00 5.00-07 1.00+00	1 N,FISS RES.INT. 1 N,FISS RES.INT.
1300 PHYS. REV. 94, 1088 (1954) H.PALEVSKY, R.S.CARTER, R.M.EISBERG, D.J.HUGHES (BNL) TRANSMISSION MEASUREMENT	92-U -235 92-U -235	2.50-08 2.50-08 2.50-08 2.50-08	1 TOTAL 1 ABSORP
1301 PHYS. REV. 109, 144 (1958) B.C.DIVEN, J.TERRELL, A.HEMMENDINGER (LASL) LARGE SCINTILLATOR. VALUES INCREASED HERE BY 11 PERCENT AS PER COMMENT ON P.177 OF REF. 709. WE HAVE DETERMINED THE (N,GAMMA) CROSS SECTION HERE FROM THE ALPHA DATA BY USING THE FISSION CROSS SECTIONS FROM THE LRL EVALUATED NEUTRON CROSS SECTION LIBRARY (5/1/68)	92-U -235 92-U -235	1.80-01 1.00+00 1.80-01 1.00+00	8 N,G 9 ALPHA
1302 PHYS. REV. 113, 1285 (1959) G.J.SAFFORD, E.MELKONIAN (CU) CRYSTAL SPECTROMETER	92-U -235 92-U -235	2.53-08 2.53-08 2.90-09 2.90-08	1 N,FISS 1 ALPHA
1303 ANL-4680 PAGE 5 (1951) C.T.HIBDON, C.O.MUEHLHAUSE (ANL) ANNULAR SCATTERING COUNTER. THERMAL SPECTRUM	9-F -19 15-P -31 22-T1-NAT 90-TH-232 92-U -235 92-U -238	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 ELASTIC SPECT.AV. 1 ELASTIC SPECT.AV. 1 ELASTIC SPECT.AV. 1 ELASTIC SPECT.AV. 1 ELASTIC SPECT.AV. 1 ELASTIC SPECT.AV.
1304 PHYS. REV. LETTERS 16, 248 (1966) R.L.MACKLIN, J.H.GIBBONS (ORNL) VAN DE GRAFF ACCELERATOR. RELATIVE TO B-10	92-U -235	1.50-01 3.36-01	10 N,FISS
1305 YAD. FIZ. 4, 985 (1966) V.F.GERASIMOV (KURCHATOV) TRANSLATED IN SOVIET J. NUCLEAR PHYS. 4, 706 (1967) ALSO PRIVATE COMMUNICATION (1966) GERASIMOV VIA BNL SIGMA CTR IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/112(1966) INDSHG-126C (1966) TIME OF FLIGHT TECHNIQUE. TWO SPARK CHAMBERS IN SERIES. PU238 CROSS SECTION NORMALIZED TO 16.8 BARNS AT 0.0253 EV. AM241 CROSS SECTION NORMALIZED TO 3.13 BARNS AT 0.0253 EV.	94-PU-238 94-PU-238 95-AM-241 95-AM-241	2.38-08 4.20-04 2.89-06 8.32-05 2.31-08 5.03-05 3.06-07 1.50-05	197 N,FISS 8 RES.PARAM. 539 N,FISS 13 RES.PARAM.

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1305

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

- 1305 RESOLUTION VARIED FROM 2000 NSEC/M AT 1 EV DOWN TO 300 NSEC/M AT 100 EV.
- 1306 ORNL-3085 PAGE 33 (1961) E.C.CAMPBELL, J.L.FOWLER (ORNL) STILBENE CRYSTAL DETECTOR 82-PB-208 5.40-01 4.32+00 176 TOTAL
- 1307 NUCLEAR PHYS. 129, 327 (1969) M.HOLMBERG (SWEDEN) LARGE LIQUID SCINTILLATOR 1-H -2 4.10+00 6.55+00 8 N,2N
- 1308 NUCLEAR SCIENCE AND ENGINEERING 29, 415 (1967) O.D.SIMPSON, M.S.MOORE, J.R.BERRETH (IDAHO NUCLEAR) MTR FAST CHOPPER, MULTILEVEL ANALYSIS, TWO CHANNEL ANALYSIS SUPERIOR TO ONE CHANNEL ANALYSIS. THE SIGNS ON GAMMA FISSION ARE TO BE ASSOCIATED WITH THE INTERFERENCE TERM. GAMMA-GAMMA ASSUMED TO BE 0.047 EV. SEE ALSO REFERENCE 1103 IN-1015 (1966) 92-U -232 1.00-08 9.29-03 931 TOTAL
92-U -232 -6.00-07 2.77-05 12 RES.PARAM.
- 1309 NUCLEAR SCIENCE AND ENGINEERING 28, 133 (1967) F.B.SIMPSON, J.W.CODDING, JR. (PHILLIPS) MTR FAST CHOPPER. RESOLUTION VARIED FROM 80-2000 NSEC/M. FOR TABULATED DATA SEE IN-1014 (1966) NEUTRON WIDTHS OBTAINED BY ASSUMING $G=1/2$ WITH A TRIAL AND ERROR FIT TO THE DATA. SEE ALSO NUCLEAR SCIENCE AND ENGINEERING 20, 235 (1964) F.B.SIMPSON, J.W.CODDING, JR., J.R.BERRETH BULL. AM. PHYS. SOC. 9, 433 (1964) F.B.SIMPSON, J.R.BERRETH, J.W.CODDING, JR., R.P.SCHUMAN IDO-16994 P.23 (1964) F.B.SIMPSON FOR EARLIER ACCOUNTINGS OF THE WORK WHICH HAVE BEEN CORRECTED AND REVISED HERE 91-PA-233 1.10-08 1.06-02 847 TOTAL
91-PA-233 2.53-08 2.53-08 1 TOTAL
91-PA-233 0. 1.80-05 3 AV.RES.PARAM.
91-PA-233 7.95-07 1.70-05 42 RES.PARAM.
- 1310 DP-817 (1963) N.P.BAUMANN (SAVANNAH RIVER) CADMIUM RATIO METHOD. RELATIVE TO AU-197 RI OF 1530 $\pm$ 40 B. ABOVE 0.622 EV. WE HAVE ADDED BACK IN THE 1/V COMPONENT OF THE RI. TRANS. AM. NUCLEAR SOC. 7, 27 (1964) N.P.BAUMANN, D.J.PELLARIN 11-NA-23 5.00-07 1.40+01 1 N,0 RES.INT.
29-CU-63 5.00-07 1.40+01 1 N,0 RES.INT.
29-CU-65 5.00-07 1.40+01 1 N,0 RES.INT.
42-MO-98 5.00-07 1.40+01 1 N,0 RES.INT.
42-MO-100 5.00-07 1.40+01 1 N,0 RES.INT.
49-IN-115 6.22-01 1.40+01 1 N,0 RES.INT.
49-IN-115 6.22-01 1.40+01 1 N,0 RES.INT.
49-IN-115 6.22-01 1.40+01 1 N,0 RES.INT.
74-W -186 5.00-07 1.40+01 1 N,0 RES.INT.
92-U -235 6.00-01 1.40+01 1 N,FISS RES.INT.
92-U -236 5.00-07 1.40+01 1 N,0 RES.INT.
- 1311 IAEA CONF. ON NUCLEAR DATA. PARIS, PAPER CN-23/2 (1966) R.W.DURHAM, G.C.HANNA, M.LUNSBURY, C.B.BIGHAM, R.G.HART, R.W.JONES (CHALK RIVER) EANDC(CAN)-13 (1962) EANDC(CAN)-17 (1963) PR-P-50 P.6 (1961) AECL-2618 (1966) IRRADIATED IN NRU REACTOR. MASS SPECTROMETER USED TO DELETE 92-U -235 2.53-08 2.53-08 1 ALPHA
92-U -235 5.00-07 1.40+01 1 N,0 RES.INT.
94-PU-239 2.53-08 2.53-08 1 ABSORP
94-PU-239 2.53-08 2.53-08 1 N,FISS
94-PU-239 2.53-08 2.53-08 1 ALPHA

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-205 ***

REF.NO.=1311

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1311 CHANGES IN ISOTOPIIC COMPOSITION OF SAMPLES

1312 IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/21 (1966)	92-U -233	2.53-08 2.53-08	1	ALPHA	
M.J. CADELL (AERE)	92-U -235	2.53-08 2.53-08	1	ALPHA	
MASS SPECTROMETRIC METHOD, SUPERCEDES	94-PU-239	2.53-08 2.53-08	1	ALPHA	
J. NUCLEAR ENERGY, PARTS A/B, 16, 195 (1962)	94-PU-241	2.53-08 2.53-08	1	ALPHA	
J. INORG. NUCLEAR CHEM. 24, 1493 (1962)					
AERE-R-3986 (1962)					
J. INORG. NUCLEAR CHEM. 25, 607 (1963)					
AERE-R-4173 ADDENDUM (1963)					
J. INORG. NUCLEAR CHEM. 27, 2481 (1965)					
FOR U233, U235, PU239 AND PU241					
1313 CF-3651 (1946) W.H. ZINN (AHL)	92-U -233	2.53-08 2.53-08	1	ABSORP	
PILE OSCILLATOR, TRANSMISSION AND FAST NEUTRON AND FISSION	92-U -233	2.53-08 2.53-08	1	N,FISS	
COUNTING. WE HAVE DETERMINED ALPHA FOR U235 BY TAKING	92-U -233	2.53-08 2.53-08	1	N,FISS	
NU = 2.430	92-U -233	2.53-08 2.53-08	1	NU-PRMT	
CRP-378 PAGE 85 (1948) A.J. CRUIKSHANK, D.J. LITTLE, A.O. WARD	92-U -233	2.53-08 2.53-08	1	ETA	
	92-U -233	2.53-08 2.53-08	1	ALPHA	
	92-U -235	2.53-08 2.53-08	1	ABSORP	
	92-U -235	2.53-08 2.53-08	1	ETA	
	92-U -235	2.53-08 2.53-08	1	ALPHA	
1314 CRP-378 (PD-230) (1948) A.J. CRUIKSHANK, D.J. LITTLE, A.G. WARD (CHALK RIVER)	92-U -233	2.53-08 2.53-08	1	ETA	
PILE OSCILLATOR TECHNIQUE. WE HAVE DETERMINED ALPHA HERE BY	92-U -233	2.53-08 2.53-08	1	ALPHA	
TAKING NU = 2.494 FOR U233					
1315 A/CONF. 4, 315 (1955) W.R. KANNE, H.B. STEWART, F.A. WHITE (KAPL)	92-U -235	2.50-08 2.50-08	1	ALPHA	SPECT. AV.
IRRADIATION IN NRX (CHALK RIVER) REACTOR. MASS SPECTROMETRIC	94-PU-239	2.50-08 2.50-08	1	ALPHA	SPECT. AV.
AND RADIOCHEMICAL ANALYSIS					
1316 A/CONF. 4, 301 (1955) A.J. ALICHAPOV, V.V. VLADIMIRSKII, S.YA. NIKITIN (USSR)	92-U -233	2.50-08 2.50-08	1	ETA	SPECT. AV.
REACTIVITY MEASUREMENT	92-U -235	2.50-08 2.50-08	1	ETA	SPECT. AV.
	94-PU-239	2.50-08 2.50-08	1	ETA	SPECT. AV.
1317 A/CONF. 4, 295 (1955) P.E. SPIVAK, B.O. YERAZOLIMSKY (USSR)	92-U -NAT	2.50-08 2.50-08	1	ABSORP	
COMPARED EFFECTS ON THERMAL NEUTRON DENSITY WITH RESPECT TO	92-U -NAT	2.50-08 2.50-08	1	ETA	SPECT. AV.
BARN ABSORPTION CROSS SECTION OBTAINED ASSUMING 1/V BEHAVIOR	92-U -233	2.50-08 2.50-08	1	ABSORP	
AND BORDON ABSORPTION CROSS SECTION OF 755 BARN AT 0.025 EV	92-U -233	2.50-08 2.50-08	1	ETA	SPECT. AV.
	92-U -235	2.50-08 2.50-08	1	ABSORP	
	92-U -235	2.50-08 2.50-08	1	ETA	SPECT. AV.
	94-PU-239	2.50-08 2.50-08	1	ABSORP	
	94-PU-239	2.50-08 2.50-08	1	ETA	SPECT. AV.
1318 LA-102 (1944) T.M. SNYDER, R.W. WILLIAMS (LASL)	92-U -235	2.53-08 2.53-08	1	NU-PRMT	
INDIUM SDIL ACTIVATION	92-U -235	2.50-08 2.50-08	1	ETA	SPECT. AV.
	94-PU-239	2.53-08 2.53-08	1	NU-PRMT	
	94-PU-239	2.50-08 2.50-08	1	ETA	SPECT. AV.
	94-PU-239	2.50-08 2.50-08	1	NU-FRMT	C/S RATIO

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1319

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
1319 ARKIV FYSIK 29, 293 (1965) H.CONDE (SWEDEN) LIQUID SCINTILLATOR COUNTER. BASED ON NU(CF252)=3.767+/-0.020 PRELIMINARY RESULTS REPORTED IN EANDC(DR)-23L PAGE 6 (1963) H.CONDE, N.STARFELT PHYS. AND CHEM. OF FISSION, IAEA, SALZBURG, 2, 57 (1965) RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION OF CF252.	92-U -235 0.	1.48+01	4 NU-PRMT
1320 AERE-R/R-2212 (REV.) (1958) C.J.KENHARD, R.RICHMOND, J.E.SANDERS (HARWELL) CALIBRATED NEUTRON SOURCE	92-U -235 2.53-08 2.53-08		1 NU-PRMT
1321 AERE-NP/R-1912 (1956) I.JOHNSTONE (HARWELL) COINCIDENCE GATE METHOD, RELATIVE TO SPONTANEOUS FISSION NEUTRON RATE OF NATURAL URANIUM	90-TH-232 1.41+01 1.41+01 92-U -233 1.41+01 1.41+01 92-U -235 2.50+00 1.41+01 92-U -238 2.50+00 1.41+01 94-PU-239 1.41+01 1.41+01 94-PU-240 6.68+00-6.68+00		1 NU-PRMT 1 NU-PRMT 2 NU-PRMT 2 NU-PRMT 1 NU-PRMT 1 NU-PRMT
1322 ATOMNAYA ENERGIYA 4, 374 (1959) A.N.PROTOPOPOV, M.V.BLINOV (USSR) TRANSLATED IN J. NUCLEAR ENERGY 9, 207 (1959) FISSION CHAMBER DETECTOR, RELATIVE TO NU(U235)=2.47 AT THERMAL	92-U -235 1.48+01 1.48+01		1 NU-PRMT
1323 IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/40 (1966) A.DE VOLPI, K.G.PORGES (ANL) MANGANESE BATH, NEUTRON SOURCE STRENGTH CORRECTED IN 1969. RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION OF CF252.	92-U -235 0. 0. 98-CF-252 6.35+00-6.35+00		1 NU-PRMT 1 NU-PRMT
1324 ATOMNAYA ENERGIYA 5, 653 (1958) N.N.FLEROV, V.M.TALYZIN (USSR) NEUTRON MULTIPLICATION IN URANIUM SHELLS TRANSLATED IN J. NUCLEAR ENERGY, PART A, 11, 169 (1960) VALUES CORRECTED HERE FOR DELAYED NEUTRONS	92-U -235 1.40+01 1.40+01 92-U -235 1.40+01 1.40+01 92-U -238 1.40+01 1.40+01 92-U -238 1.40+01 1.40+01		1 NU-PRMT 1 ETA 1 NU-PRMT 1 ETA
1325 J. EXPTL. THEORET. PHYS. (USSR) 38, 671 (1960) YU.A.VASIL'EV, YU.S.ZAMYATIN, YU.I.LIL'IN, E.I.SIROTNIN, P.V.TOROPOV, E.F.FOMUSHKIN (USSR) TRANSLATED IN SOVIET PHYS. JETP 11, 483 (1960) TOLANE CRYSTAL DETECTOR	92-U -235 1.43+01 1.43+01 92-U -235 1.43+01 1.43+01 92-U -238 1.43+01 1.43+01 92-U -238 1.43+01 1.43+01		1 NU-PRMT 2 NUCLEAR TEMP. 1 NU-PRMT 2 NUCLEAR TEMP.
1327 WASH-1068 PAGE 21 (1966) J.W.MEADOWS, J.F.WHALEN (ANL) RELATIVE TO NU PROMPT (CF252)=3.762 +/- 0.020. PRELIMINARY RESULTS GIVEN IN ANL-7028 P.35 (1965) J. NUCLEAR ENERGY 21, 157 (1967) RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION	92-U -235 4.00-02 1.00+00		16 NU-PRMT

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-207 ***

REF.NO.=1327

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1327

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1327 OF CF252.

- 1328 IAEA CONF. ON NUCLEAR DATA. PARIS, PAPER CN-23/36 (1966)
C.A.UTTLEY, C.M.NEWSTEAD, K.M.DIMENT (HARWELL)
LEAST SQUARES FIT TO THE TOTAL CROSS SECTION FOR STRENGTH
FUNCTIONS. TRANSMISSIONS USING HARWELL BOOSTER PULSED NEUTRON
SOURCE. VIA ENEA CENTER, PARIS
41-NB-93	1.10-03	9.50-01	50 TOTAL
41-NB-93	1.00-03	1.00+00	5 AV.RES.PARAM.
42-MO-98	1.00-02	1.00+00	3 AV.RES.PARAM.
42-MO-100	1.00-02	1.00+00	3 AV.RES.PARAM.
45-RH-103	1.00-03	1.00+00	3 AV.RES.PARAM.
90-TH-232	6.50-03	9.50-01	28 TOTAL
90-TH-232	1.00-02	1.00+00	5 AV.RES.PARAM.
92-U -235	1.50-04	9.50-01	57 TOTAL
92-U -235	1.00-03	1.00+00	2 AV.RES.PARAM.
92-U -238	6.50-03	9.50-01	34 TOTAL
92-U -238	1.00-02	1.00+00	2 AV.RES.PARAM.
- 1329 PRIVATE COMMUNICATION (1954) E.MELKONIAN (BNL)
A/CONF. 4, 199 (1955) V.L.SAILOR
MEASUREMENT OF SCATTERING TO TOTAL CROSS SECTION RATIO
92-U -235	1.90-07	2.90-06	33 ELASTIC
- 1330 A/CONF. 16, 106 (1958) P.BILLAUD, C.CLAIR,
M.GAUDIN, R.GENIN, R.JOLY, J.L.LEROY, A.MICHAUDON, J.OUVRY,
C.SIGNARBIEX, C.VENDRYES (FRANCE)
PAPER P/1186. NU NORMALIZED TO 2.47 FOR U235 THERMAL
90-TH-232	1.42+01	1.42+01	1 NU-PRMT
90-TH-232	1.42+01	1.42+01	1 NU-PRMT C/S RATIO
92-U -238	1.36+01	1.36+01	1 N.FISS
92-U -238	1.42+01	1.42+01	1 NU-PRMT
- 1331 PHYS. REV. LETTERS 16, 525 (1966) A.B.SMITH, J.F.WHALEN (ANL)
TIME OF FLIGHT TECHNIQUE. FISSION CROSS SECTION NORMALIZED TO
1.25 B/ARNS AT 0.4 MEV. TABULATED FISSION DATA (2 PERCENT
STATISTICS) TAKEN FROM TABLE U5-C4 OF
KFK-120, PT. 1, SEC. VII (1966) J.J.SCHMIDT
WHICH WERE READ FROM THE SMALL CURVE IN THE ORIGINAL ARTICLE
92-U -235	4.00-01	6.00-01	24 ELASTIC
92-U -235	3.80-01	6.55-01	56 N.FISS
92-U -235	4.00-01	6.00-01	120 ELASTIC LEGEND.COEF
- 1332 NUCLEAR SCIENCE AND ENGINEERING 11, 312 (1961)
A.SAPLAKOGLU (ANL)
FAST CHOPPER. DATA OBTAINED FROM BNL SIOMA CENTER
92-U -235	4.56-09	5.61-07	31 TOTAL
- 1333 HW-47012 PAGE 50 (1956) H.J.FEISEN, B.R.LEONARD, JR.,
E.J.SEPPI (HANFORD)
CRYSTAL SPECTROMETER. NORMALIZED TO AU197 (N,GAMMA) CROSS
SECTION = 50.9 BARNS AT 0.10 EV
BULL. AM. PHYS. SOC. 1, 249 (1956)
HW-44525 P.34 (1956)
92-U -235	2.53-08	2.53-08	1 N.FISS
- 1334 PHYS. OF FAST AND INTERMED. REACTORS.VIENNA,SM-18/36(1961)
D.K.BUTLER, S.A.COX, J.W.MEADOWS, J.H.ROBERTS, A.B.SMITH,
J.F.WHALEN (ANL)
VOLUME 1 PAGE 125
U235 NU VALUES RELATIVE TO 2.47 AT THERMAL. OTHER NU VALUES
RELATIVE TO U235 = 2.42 AT THERMAL.
PHYS. REV. 123, 1735 (1961)
92-U -235	2.10-01	1.58+00	4 NU-PPMT
92-U -238	1.58+00	1.58+00	1 NU-PRMT
94-PU-241	2.50-08	2.50-08	1 NU-DLAY
94-PU-241	2.50-08	2.50-08	1 NUCLEAR TEMP.
98-CF-252	-6.35+00	-6.35+00	1 NU-PRMT
- 1335 ARKIV FYSIK 29, 313 (1965) H.CONDE, G.DURING (RIND, SWEDEN)
PHYS. AND CHEM. OF FISSION. IAEA. SALZBURG, 2, 93 (1965)
TIME OF FLIGHT TECHNIQUE
92-U -235	4.00 02	1.50+00	2 NUCLEAR TEMP.
94-PU-239	4.00-02	4.00-02	1 NUCLEAR TEMP.
98-CF-252	-6.35+00	-6.35+00	1 NUCLEAR TEMP.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-208 ***

REF.NO.=1335

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1336

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1336	PHYS. REV. 152, 1046 (1966) S.C.FULTZ, J.T.CALDWELL, B.L.BERMAN, R.L.BRAMBLETT, M.A.KELLY, H.D.WILSON, M.S.COOPS, R.H.LOUGHTEED, J.E.EVANS, R.W.HOFF (LRL) UCRL-14962 (1966) SPARK CHAMBER, RELATIVE TO NU(CF252) = 3.78 RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION OF CF252.	92-U -233 0. 0. 92-U -235 0. 0. 95-AM-242 2.53-08 2.53-08	1 1 1	NU-PRMT NU-PRMT NU-PRMT
1337	IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/7 (1966) W.B.GILBOY, G.F.KNOLL (KARLSRUHE) TIME OF FLIGHT TECHNIQUE. WE HAVE DETERMINED THE FISSION CROSS SECTIONS FROM THE RATIOS BY USING THE U235 FISSION CROSS SECTION IN THE LRL EVALUATED NEUTRON CROSS SECTION LIBRARY (5/1/68). FROM 4.5 BARNs TO KEV, THIS EVALUATED FISSION CROSS SECTION IS GIVEN BY 5.15-0.19E BARNs IE IN KEV)	94-PU-239 4.50-03 1.60-01 94-PU-239 4.50-03 1.60-01 94-PU-240 1.35-02 1.75-01 94-PU-240 1.35-02 1.75-01	77 77 10 10	N,FISS N,FISS C/S RATIO N,FISS N,FISS C/S RATIO
1338	ATOMNAYA ENERGIYA 4, 185 (1958) V.N.ANDREEV (USSR) TRANSLATED IN J. NUCLEAR ENERGY 9, 151 (1959) SPHERICAL SHELL MEASUREMENT. WE HAVE DETERMINED ALPHA HERE BY TAKING $\mu = 2.430 \pm 0.09E$ AND $2.871 \pm 0.14E$ FOR U235 AND PU239, RESPECTIVELY. WE HAVE DETERMINED THE (N,GAMMA) CROSS SECTION HERE FROM THE ALPHA DATA BY USING THE FISSION CROSS SECTIONS FROM THE LRL EVALUATED NEUTRON CROSS SECTION LIBRARY (5/1/68)	92-U -235 2.40-02 8.60-01 92-U -235 2.40-02 8.60-01 92-U -235 2.40-02 8.60-01 92-U -235 2.40-02 8.60-01 94-PU-239 2.40-02 8.60-01 94-PU-239 2.40-02 2.40-01 94-PU-239 2.40-02 8.60-01 94-PU-239 2.40-02 2.40-01	3 3 3 3 2 2 3 2	ABSORP N,G ETA ALPHA ABSORP N,G ETA ALPHA
1339	ATOMNAYA ENERGIYA 4, 337 (1958) YU.S.ZAMYATNIN, I.N.SAFINA, E.K.OUTNIKOVA, N.I.IVANOVA (USSR) NUCLEAR EMULSION TRANSLATED IN J. NUCLEAR ENERGY 9, 184 (1959)	90-TH-232 1.40+01 1.40+01 92-U -233 1.40+01 1.40+01 92-U -235 1.40+01 1.40+01 92-U -238 1.40+01 1.40+01 94-PU-239 1.40+01 1.40+01	1 2 2 1 2	NUCLEAR TEMP. NUCLEAR TEMP. NUCLEAR TEMP. NUCLEAR TEMP. NUCLEAR TEMP.
1340	UNPUBLISHED (1955) R.SHER, L.R.HEINTZE (BNL) PROGRESS IN NUCLEAR ENERGY 1, 191 (1956) G.R.KEEPIN BASED OF NU DELAYED (U235) = 0.016 FOR 4 PERIODS	92-U -238 2.00+00 2.00+00	1	NU-DLAY SPECT.AV.
1341	PRIVATE COMMUNICATION (1955) R.D.SMITH, H.ROSE (AERE) PROGRESS IN NUCLEAR ENERGY 1, 191 (1956) G.R.KEEPIN IRRADIATION IN ZEPHYR FAST REACTOR. WE HAVE ASSIGNED DELTA $E = 1$ MEV HERE TO DENOTE A SPECTRUM AVERAGED PARAMETER. NU DELAYED (U235) TAKEN AS 0.016 HERE	90-TH-232 2.00+00 2.00+00 90-TH-232 2.00+00 2.00+00 92-U -233 2.00+00 2.00+00 92-U -233 2.00+00 2.00+00 92-U -238 2.00+00 2.00+00 92-U -238 2.00+00 2.00+00 94-PU-239 2.00+00 2.00+00 94-PU-239 2.00+00 2.00+00	1 1 1 1 1 1 1 1	NU-DLAY NU-DLAY C/S RATIO NU-DLAY NU-DLAY C/S RATIO NU-DLAY NU-DLAY C/S RATIO NU-DLAY NU-DLAY C/S RATIO
1342	ATOMNAYA ENERGIYA 19, 41 (1965) A.A.VANKOV, YU.YA.STAVISKII (USSR) TRANSLATED IN SOVIET J. ATOMIC ENERGY 19, 903 (1965) MULTIPLICATION IN SPHERICAL SHELLS. WE HAVE DETERMINED THE (N,GAMMA) CROSS SECTION HERE FROM THE ALPHA DATA BY USING THE FISSION CROSS SECTIONS FROM THE LRL EVALUATED NEUTRON CROSS	92-U -235 2.40-02 2.40-02 92-U -235 2.40-02 2.40-02 92-U -235 2.40-02 2.40-02 94-PU-239 2.40-02 2.40-02 94-PU-239 2.40-02 2.40-02 94-PU-239 2.40-02 2.40-02	1 1 1 1 1 1	N,G ETA ALPHA N,G ETA ALPHA

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-203 ***

REF.NO.=1342

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1342

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1342 SECTION LIBRARY (5/1/68)

1343 J. NUCLEAR ENERGY, PARTS A/B, 16, 201 (1962) D.C.STUPEGIA (ANL) TRANSMISSION MEASUREMENT	92-U -233	3.40-03 1.61+00	45 TOTAL	
1344 IN-1040 (1966) G.D.SIMPSON, R.P.SCHUMAN, J.R.BERRETH (IDAHO NUCLEAR) TRANSMISSION MEASUREMENTS NUCLEAR SCIENCE AND ENGINEERING 29, 423 (1967)	90-YH-228 90-YH-228	1.78-06 8.03-06 1.89-06 7.55-06	122 TOTAL 4 RES.PARAM.	
1345 NUCLEAR PHYS. 98, 33 (1967) M.ASOHAR (AERE) EANDC(UK)-705 (REV.) (1967) IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/128(1966) SCATTERING MEASUREMENTS, RESONANCE PARAMETERS DETERMINED BY AREA ANALYSIS IN CONJUNCTION WITH TRANSMISSION RESULTS OF OTHER EXPERIMENTERS	94-PU-239	1.4-05 3.03-04	97 RES.PARAM.	
1346 PHYS. REV. 167, 1121 (1968) R.I.SCHERMER, L.PASSELL, G.BRUMHART, C.A.REYNOLDS, V.L.SAILOR, F.J.SHORE (BNL) BULL. AM. PHYS. SOC. 11, 29 (1966) WASH-1068 PAGE 25 (1966) POLARIZATION STUDIES, SPINS BASED ON THE ASSUMPTION OF A NEGATIVE MAGNETIC MOMENT FOR U235	92-U -239	2.75-07 2.08-06	3 RES.PARAM.	
1347 J. NUCLEAR ENERGY, PARTS A/B, 16, 261 (1962) P.H.WHITE (AWRE) NEUTRON MULTIPLICATION IN URANIUM SHELLS. VALUES OF (N,3N) AND (N,4N) CROSS SECTION DEDUCED FROM ETA AND OTHER REACTION CROSS SECTIONS	92-U -239 92-U -239 92-U -239 92-U -239	1.42+01 1.42+01 1.26+01 1.88+01 1.78+01 1.88+01 1.26+01 1.88+01	1 N,N' 6 N,3N 2 N,4N, 7 ETA	
1348 CAN. J. PHYS. 35, 147 (1957) J.P.BUTLER, M.LOUNSBURY, J.S.MERRITT (CHALK RIVER) ACTIVATION METHOD. IRRADIATION IN THE NRX REACTOR. RESONANCE INTEGRALS RELATIVE TO VALUES OF 48.6 BARNs AND 282 BARNs FOR CO-59 AND U238, RESPECTIVELY. PRELIMINARY RESULTS REPORTED IN CRC-628 (1956)	94-PU-238 94-PU-238 94-PU-238 94-PU-242 94-PU-242 94-PU-242 94-PU-242 94-PU-242 95-AM-243 95-AM-243 95-AM-243	2.50-08 2.50-08 2.50-08 2.50-08 5.00-07 1.50+01 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 5.00-07 1.50+01 2.50-08 2.50-08 2.50-08 2.50-08 5.00-07 1.50+01	1 N.O 1 N.O 1 N.O 1 N.O 1 N.FISS 1 N.O 1 N.O 1 N.O 1 N.O 1 N.O 1 N.O	SPECT.AV. RES.INT. SPECT.AV. SPECT.AV. RES.INT. SPECT.AV. RES.INT.
1349 IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/70 (1966) H.DERRIEN, J.BLOIS, C.EGGERMANN, A.MICHAUDON, D.PAYA, P.RIBON (SACLAY) LEAST SQUARES SHAPE ANALYSIS OF RESONANCES. BEST RESOLUTION WAS 2 NSEC/M. NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/163 (1965) COMPT. REND. 262, 79 (1966) SEE REFERENCE 1467 AND 1468 FOR TOTAL CROSS SECTION DATA. G GAMMA N AND GAMMA TOTAL DATA SUPERCEDED BY THAT OF REF.2438	94-PU-239 94-PU-239 94-PU-239	4.45-06 2.08-04 0. 3.00-04 7.02-06 2.51-04	2995 N.FISS 9 AV.RES.PARAM. 504 RES.PARAM.	
1350 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/98 (1965)	94-PU-239	1.00-04 3.00-04	2 AV.RES.PARAM.	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-210 ***

REF.NO.=1350

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1350

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1350	C.A.UTTLEY (AERE) AREA AND SHAPE ANALYSIS OF CROSS SECTION REPORTED IN REF.988. RESOLUTION WAS 2.8 NSEC/M. AERE-PR/NP-B PAGE 2 (1965)	94-PU-239	1.02-04 2.98-04	162	RES.PARAM.
1351	AERE-PR/NP-B PAGE 5 (1965) G.D.JAMES (AERE) PHYS. AND CHEM. OF FISSION. IAEA, SALZBURG, 1, 235 (1965) TIME OF FLIGHT TECHNIQUE	94-PU-239	5.58-05 8.56-05	10	RES.PARAM.
1352	EANDC(UK)-41L (1964) F.D.BROOKS, J.E.JOLLY (AERE) TIME OF FLIGHT TECHNIQUE. AREA ANALYSIS OF RESONANCES. AN UPPER LIMIT OF 0.00057 EV WAS ALSO CALCULATED FOR THE AVERAGE FISSION WIDTH UP TO 120 EV	94-PU-240	3.82-05 3.82-05	1	RES.PARAM.
1353	UK/USSR SEMINAR ON NUCLEAR CONSTANTS, MOSCOW, UK/20 (1968) M.ASGHAR, M.C.MOXON, N.J.PATTENDEN (AERE) EANDC(UK)-103AL (1968) IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/31 (1966) THE 1968 DATA SUPERCEDES THAT REPORTED IN 1966. AREA ANALYSIS BASED ON VARIOUS COMBINATIONS OF TOTAL, SCATTERING AND CAPTURE YIELDS. WE HAVE GIVEN HERE THE RESONANCE PARAMETERS BASED ON THE AUTHOR'S RECOMMENDATIONS--COMBINATIONS OF ALL 3 YIELDS BELOW 500 EV. COMBINATION OF TRANSMISSION AND CAPTURE FROM 500 TO 750 EV. TRANSMISSION RESULTS ABOVE 750 EV THE AUTHORS FURTHERMORE RECOMMEND THAT THE QUOTED ERRORS ON THE RESONANCE PARAMETERS BE INCREASED BY A FACTOR OF 3. BEST RESOLUTION WAS 3 NSEC/M ON THE TOTAL CROSS SECTION MEASUREMENTS.	94-PU-240 94-PU-240	2.00-05 7.51-04 2.05-05 1.45-03	2 101	AV.RES.PARAM. RES.PARAM.
1354	IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/89 (1966) K.H. BOCKHOFF, A.DE KEYSER, W.KOLAR, H.MARTIN (EURATOM) TIME OF FLIGHT TECHNIQUE. SHAPE ANALYSIS OF THE RESONANCES. RESONANCE ENERGY ONLY DATA ARE SUPERCEDED BY RESULTS OF REFERENCE 1534. RESOLUTION WAS 6 NSEC/M UP TO 210 EV, THEN 1.8 NSEC/M UP TO 310 EV, THEN 0.9 NSEC/M UP TO 5000 EV.	94-PU-240	2.04-05 6.78-04	55	RES.PARAM.
1355	NUCLEAR PHYS. 85, 305 (1966) M.ASOHAR, C.H.CHAFFEY, M.C.MOXON (AERE) TIME OF FLIGHT CAPTURE AND SCATTERING MEASUREMENTS. AREA ANALYSIS. (N,GAMMA) CROSS SECTIONS VALUES BELOW 50 BARNS OBTAINED FROM SAMPLE THICKNESS OF 2.56 E-03 ATOMS/B AND ABOVE 50 BARNS OBTAINED FROM SAMPLE THICKNESS OF 1.17 E-04 ATOMS/B AS PER THE AUTHORS PRESCRIPTION. CROSS SECTIONS IS ALSO AVERAGED OVER 32 CHANNELS, CHANNEL WIDTH OF 0.25 MICROSEC AND FLIGHT PATH OF 32.5 M	94-U -238 92 J -238 92-U -238	5.29-06 9.17-03 6.60-06 8.20-04 6.65-06 8.23-04	122 2 65	N.O AV.RES.PARAM. RES.PARAM.
1356	IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/58 (1966) P.H.WHYTE, J.M.A.FRICHELT, G.P.WARNER (AWRE) 0.0253 EV VALUE CONSIST OF ONE MONOENERGETIC AND TWO THERMAL NEUTRON FLUX MEASUREMENTS ALL OTHER ENERGIES UTILIZED MONOENERGETIC NEUTRONS. WE HAVE TAKEN THE U235 FISSION CROSS SECTION AT 2200 M/SEC AS 579.5 BARNS	94-PU-239 94-PU-239 94-PU-241 94-PU-241	2.53-08 2.53-08 2.53-08 5.45-07 2.53-08 2.53-08 1.60-08 5.45-07	3 6 3 9	N,FISS N,FISS C/S RATIO N,FISS N,FISS C/S RATIO

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-211 ***

REF.NO.=1356

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1357

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1357 IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/79 (1966) F. POORTMANS, H. CEULEMANS, M. NEVE DE MEVERGNIES (BELGIUM) RESONANT SCATTERING METHOD, CRYSTAL SPECTROMETER CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., P.755 (1966)	92-U -235	8.80-06 1.24-05	6	RES.PARAM.
1358 CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., P.910 (1966) D.D.SIMPSON, R.D.FLUHARTY, M.S.MOORE, N.H.MARSHALL, B.C.DIVEN, A.HEMMENDINGER MULTILEVEL ANALYSIS. GAMMA-GAMMA WAS TAKEN AS 0.040 EV. THE CROSS SECTION IS GIVEN IN REF. 1061. THE SIGN ON THE FISSION WIDTH IS TO BE ASSOCIATED WITH THE FISSION INTERFERENCE TERM. EXISTENCE OF LEVELS AT 21.70, 22.50, 25.64, 27.27, 34.15, 36.65, 38.40, 38.50, 40.30, 43.05, 50.90, 52.60, 53.40, AND 61.30 EV IS ONLY PROBABLE. LEVELS AT 20.38, 24.12, 27.34, 32.39, 33.37, 42.16, 44.30, 47.05, 54.15, AND 55.40 EV MAY BE ASSUMED TO BE SINGLE LEVEL PARAMETERS BECAUSE OF WEAK INTERFERENCE	94-PU-241	1.47-05 6.20-05	112	RES.PARAM.
1359 ATOMNAYA ENERGIYA 13, 368 (1962) V.F.GERASIMOV, V.S.ZENKEVICH (USSR) TRANSLATED IN SOVIET J. ATOMIC ENERGY 13, 977 (1963) SLOW CHOPPER. DETECTION OF COMBINED TOTAL TRANSMISSION AND SCATTERED NEUTRONS. CORRECTED FOR MULTIPLE SCATTERING. CROSS SECTION DATA OBTAINED BY PRIVATE COMMUNICATION FROM GERASIMOV VIA IAEA, VIENNA	92-U -235 92-U -235	2.34-08 2.21-06 2.34-08 2.21-06	130 131	TOTAL ABSORP
1360 ATOMNAYA ENERGIYA 1, 21 (1956) P.E.SPIVAK, B.G.EROZOLIMSKY, G.A.DOROFEEV, V.N.LAVRENCHIK, I.E.KUTIKOV, YU.P.DOBRYNIN (USSR) TRANSLATED IN J. NUCLEAR ENERGY 4, 79 (1957) SHELL MULTIPLICATION. WE HAVE DETERMINED ALPHA HERE BY TAKING $\nu = 2.430 + 0.09E$ AND $2.871 + 0.14E$ FOR U235 AND PU239, RESPECTIVELY. FOR U233, ν WAS TAKEN EQUAL TO 2.494 EXCEPT AT 0.9 MEV WHICH IT WAS TAKEN AS 2.52. WE HAVE DETERMINED THE (N,GAMMA) CROSS SECTION HERE FROM THE ALPHA DATA BY USING THE FISSION CROSS SECTIONS FROM THE LRL EVALUATED NEUTRON CROSS SECTION LIBRARY (5/1/68)	92-U -233 92-U -233 92-U -235 92-U -235 92-U -235 94-PU-239 94-PU-239 94-PU-239	2.40-02 9.00-01 2.40-02 2.50-01 2.40-02 9.00-01 2.40-02 9.00-01 2.40-02 9.00-01 2.40-02 9.00-01 2.40-02 9.00-01 2.40-02 9.00-01	5 4 5 5 5 5 5 5	ETA ALPHA N,G ETA ALPHA N,G ETA ALPHA
1361 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/184 (1965) YU.V.RYABOV, YU.I.FENIN (OUBNA) LEAST SQUARES FIT TO THE ABSORPTION CROSS SECTION IN THE KEV REGION JINR-P-2068 (1965)	92-U -235	3.00-04 3.00-02	2	AV.RES.PARAM.
1362 CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., P/D-19(1968) W.E.STEIN, R.K.SMITH, H.L.SMITH (LASL) BACK-TO-BACK FISSION FRAGMENT DETECTION. SEE ALSO CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., P/D-6 (1966) WE HAVE DETERMINED THE FISSION CROSS SECTIONS FROM THE RATIOS BY USING THE U235 FISSION CROSS SECTION IN THE LRL EVALUATED	92-U -236 92-U -236 92-U -238 92-U -238 93-NP-237 93-NP-237	1.00+00 5.00+00 1.00+00 5.00+00 1.50+00 5.00+00 1.50+00 5.00+00 1.00+00 4.50+00 1.00+00 4.50+00	18 16 14 14 12 12	N,FISS N,FISS C/S RATIO N,FISS N,FISS C/S RATIO N,FISS N,FISS C/S RATIO

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-212 ***

REF.NO.=1362

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1362

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1362 NEUTRON CROSS SECTION LIBRARY (5/1/68)

1363 PHYS. REV. 162, 1070 (1967) D.M.BARTON, P.G.KOONTZ (LASL)
RELATIVE TO U235 FISSION CROSS SECTIONS. SEE ALSO
WASH-1074 P.79 (1967)

94-PU-23B 1.00+00 1.49+01 4 N.FISS

1364 ATOMNAYA ENERGIYA 19, 3 (1965) T.S.BELANDVA, A.A.VANKOV,
F.F.MIKHAILUS, YU.YA.STAVISSKII (USSR)
TRANSLATED IN
SOVIET J. ATOMIC ENERGY 19, 85B (1965)
SB-BE SOURCE, SPHERICAL TRANSMISSION METHOD. RESULTS
CORRECTED FOR SPECTROM SOFTENING
IAEA CONF. ON NUCLEAR DATA. PARIS, PAPER CN-23/96 (1966)

24-CR-NAT 2.40-02 2.40-02 1 ABSORP
28-NI-NAT 2.40-02 2.40-02 1 ABSORP
29-CU-NAT 2.40-02 2.40-02 1 ABSORP
30-ZN-NAT 2.40-02 2.40-02 1 ABSORP
38-SR-NAT 2.40-02 2.40-02 1 ABSORP
40-ZR-NAT 2.40-02 2.40-02 1 ABSORP
41-NB-93 2.40-02 2.40-02 1 ABSORP
42-MO-NAT 2.40-02 2.40-02 1 ABSORP
47-AG-NAT 2.40-02 2.40-02 1 ABSORP
48-CD-NAT 2.40-02 2.40-02 1 ABSORP
49-IN-NAT 2.40-02 2.40-02 1 ABSORP
50-SN-NAT 2.40-02 2.40-02 1 ABSORP
51-SB-NAT 2.40-02 2.40-02 1 ABSORP
74-W -NAT 2.40-02 2.40-02 1 ABSORP
79-AU-197 2.40-02 2.40-02 1 ABSORP
83-HG-NAT 2.40-02 2.40-02 1 ABSORP
87-PB-NAT 2.40-02 2.40-02 1 ABSORP
83-BI-209 2.40-02 2.40-02 1 ABSORP
90-TH-232 2.40-02 2.40-02 1 ABSORP
92-U -235 2.40-02 2.40-02 1 ABSORP
92-U -238 2.40-02 2.40-02 1 ABSORP
94-PU-239 2.40-02 2.40-02 1 ABSORP

1365 HW-35729 (1955) E.D.CLAYTON (HANFORD)
EXPONENTIAL PILE LATTICE

82-U -235 4.90-07 2.00+00 1 N.FISS RES.INT.

1366 PHYS. REV. 86, 21 (1952) E.SORE (LASL)
BASED ON A SPONTANEOUS NEUTRON EMISSION RATE OF 0.015
NEUTRONS/GM SEC

92-U -238 -6.14+00-6.14+00 1 NU-PRMT

1367 AERE-RP/R-1655 (1955) J.E.SANDERS (AERE)
RELATIVE TO PU239 (THERMAL) NU=2.86 +/- 0.029. ALSO QUOTES AN
EARLIER EXPERIMENT BY THE SAME AUTHOR (RELATIVE TO 2.5 +/-
0.5 FOR PU242) GIVING 2.07 +/- 0.3

94-PU-240 -6.68+00-6.68+00 2 NU-PRMT

1368 IAEA CONF. ON NUCLEAR DATA. PARIS, PAPER CN-23/77 (1955)
E.BARON, J.FREHAUT, F.OUVHY, M.SOLEILHAC (FRANCE)
LARGE LIQUID SCINTILLATOR

94-PU-240 -6.68+00-6.68+00 1 NU-PRMT

1369 AERE-N/R-831 (1951) F.R.BARCILAY, W.GALBRAITH, W.J.WHITEHOUSE
(HARWELL)
NOTE ADDED TO REPORT (1955) W.J.WHITEHOUSE
CALIBRATED NEUTRON SOURCE. RESULTS ORIGINALLY QUOTED WERE 25
PERCENT TOO HIGH BECAUSE OF INTERCALIBRATION OF THE RA-BE
AND FISSION NEUTRON SOURCES (SEE 1955 NOTE)

94-PU-240 -6.68+00-6.68+00 1 NU-PRMT

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-213 ***

REF.NO.=1369

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1370

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

- 1370 AERE-R/R-2097 (TNCC(UK)12) (1957) R.RICHMOND,
S.J.GARONER (AERE)
COMPARISON OF EMISSION RATES BETWEEN A PLUTONIUM SOURCE AND A
NATURAL URANIUM SPHERE
92-U -238 -6.14+00-6.14+00 1 NU-PRMT
- 1371 PHYS. AND CHEM. OF FISSION. IAEA. SALZBURG, 2, 355 (1965)
E.MELKONIAN, G.K.MEHTA (COLUMBIA U.)
ENERGY DISTRIBUTION OF FISSION FRAGMENTS FROM A THIN FOIL
NYO-GEN-72-28 P.3 (1966)
94-PU-239 7.80-06 7.36-05 19 RES.PARAM.
- 1372 PHYS. AND CHEM. OF FISSION. IAEA. SALZBURG, 1, 255 (1965)
G.FRAYSSE, A.PROSDOCIMI (ITALY)
CRYSTAL SPECTROMETER. CROSS SECTIONS RELATIVE TO NATURAL
BORON ABSORPTION OF 761 BARN AT 0.0253 EV.
92-U -235 2.53-08 6.26-08 3 N,FISS
94-PU-239 2.53-08 2.75-07 4 N,FISS
94-PU-239 3.21-08 6.26-08 2 N,FISS C/S RATIO
- 1373 PRIVATE COMMUNICATION (1955) J.L.FOWLER (ORNL)
A/CONF. 2, 193 (1955) R.B.LEACHMAN
NORMALIZED HERE TO NU(TH) U-235 = 2.414
92-U -235 1.00+00 1.00+00 1 NU-PRMT
- 1374 PRIVATE COMMUNICATION (1955) J.TERRELL (LASL)
A/CONF. 2, 193 (1955) R.B.LEACHMAN
FISSIONS DETECTED BY RADIOCHEMICAL TECHNIQUES. NORMALIZED TO
NU(TH) U-235 = 2.414
92-U -235 7.00-01 7.00-01 1 NU-PRMT
- 1375 J. PHYS. RADIUM 21, 617 (1960) J.L.LEROY (SACLAY)
BF3 COUNTERS IN PARAFFIN. RELATIVE TO NU(0.025 EV) = 2.47 +/-
0.03 FOR U235. SEE ALSO REFERENCES 1133, 1134 AND 1330
94-PU-239 1.42+01 1.42+01 1 NU-PRMT
- 1376 JINR-P-2713 (1966) WANG YUNO-CHANG, E.DERMENDZHIEV,
YU.V.RYABOV, CHANG PEI-SHU (DUBNA)
TIME OF FLIGHT TECHNIQUE. JINR FAST PULSED REACTOR. AREA
ANALYSIS. GAMMA-GAMMA TAKEN AS 0.040 EV. RESOLUTION WAS 60
SEC/M.
YAD. FIZ. 5, 925 (1967)
TRANSLATED IN
SOVIET J. NUCLEAR PHYS. 5, 657 (1967)
94-PU-239 5.55-06 2.15-02 1395 N,FISS
94-PU-239 0. 8.00-05 5 AV.RES.PARAM.
94-PU-239 7.84-05 8.57-05 124 RES.PARAM.
- 1377 IAEA CONF. ON NUCLEAR DATA. PARIS. PAPER CN-23/22 (1966)
B.H.ARMITAGE, A.T.G.FERGUSON, J.H.MONTAGUE, N.STARFELT (AERE)
TIME OF FLIGHT TECHNIQUE. ALL MEASUREMENTS MADE AT A
SCATTERING ANGLE OF 90 DEGREES. NORMALIZED TO THE ELASTIC
CROSS SECTION OF C.
92-U -235 1.30-01 1.50+00 54 N,N'
92-U -235 1.30-01 1.90+00 7 ELASTIC D(A)
- 1378 ARKIV FYSIK 29, 33 (1965) H.CONDE, M.HOLMBERG (SWEDEN)
LARGE LIQUID SCINTILLATOR. RELATIVE TO NU = 3.775 FOR THE
SPONTANEOUS FISSION OF CF-252
PHYS. AND CHEM. OF FISSION. IAEA. SALZBURG, 2, 57 (1965)
90-TH-232 1.42+00 1.48+01 7 NU-PRMT
- 1379 NUCLEAR SCIENCE AND ENGINEERING 20, 527 (1964)
I.ASPLUND-NILSSON, H.CONDE, N.STARFELT (SWEDEN)
LARGE LIQUID SCINTILLATOR RELATIVE TO NU = 3.775 FOR THE
SPONTANEOUS FISSION OF CF-252
92-U -238 1.49+00 1.48+01 8 NU-PRMT

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-214 ***

REF.NO.=1379

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1379

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1379 RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION OF CF252.

1380 LA-104 (1944) J.W.DEWIBER, R.R.WILSON, W.M.WOODWARD (LASL)
COINCIDENCE METHOD. WE HAVE TAKEN NU PROMPT FOR U235
(THERMAL) AS 2.41494-PU-239 2.53-08 2.53-08
94-PU-239 2.50-08 2.50-081 NU-PRMT
1 NU-PRMT C/S RATIO1381 HU-38202 PAGE 41 (1955) B.R.LEONARD, JR., E.J.SEPPI,
W.J.FRIESEN (HANFORD)
CRYSTAL SPECTROMETER. DATA OBTAINED FROM BNL SIGMA CENTER.
RELATIVE ETA MEASURED. NORMALIZED HERE TO 2.078 AT 0.0253 EV
AND CONVERTED TO ALPHA BY ASSUMING NU = 2.442

92-U -235 3.00-08 4.50-07

21 ALPHA

1382 TID-2019 PAGE 405 (1955) F.H.TINGEY, F.P.VANCE (PHILLIPS)
SPECTROMETRIC ANALYSIS OF MTR FUEL

92-U -235 2.50-08 2.50-08

1 ALPHA SPECT.AV.

1383 LA-1939 (1955) H.A.BETHE, J.R.BEYSTER, R.E.CARTER (LASL)
SPHERICAL SHELL TRANSMISSION MEASUREMENTS. CORRECTED FOR
MULTIPLE SCATTERING92-U -NAT 4.00+00 4.50+00
92-U -235 4.00+00 4.50+00
92-U -235 4.00+00 4.50+00
92-U -238 4.50+00 4.50+00
94-PU-239 4.00+00 4.50+00
94-PU-239 4.00+00 4.50+002 NONELAS
2 NONELAS
2 NU-PRMT
1 NU-PRMT
2 NONELAS
2 NU-PRMT1384 CU-115 (1953) E.MELKONIAN, W.W.HAVENS, JR.,
M.LEVIN (COLUMBIA)
VELOCITY SPECTROMETER. TRANSMISSION MEASUREMENTS

92-U -235 2.53-08 2.53-08

1 TOTAL

1385 UNPUBLISHED (1954) D.J.LITTLER, E.E.LOCKETT,
A.GREEN ET AL. (AERE)
AERE-NP/R-2140 (1957) P.A.EGELSTAFF, K.W.MORTON,
J.E.SANDERS
WE HAVE DETERMINED ALPHA BY TAKING NU = 2.494 AND 2.430 FOR
U233 AND U235, RESPECTIVELY92-U -233 2.53-08 2.53-08
92-U -233 2.53-08 2.53-08
92-U -235 2.53-08 2.53-08
92-U -235 2.53-08 2.53-081 ETA
1 ALPHA
1 ETA
1 ALPHA1386 A/CONF. 16, 83 (1958) D.S.CRAIG, O.C.HANNA, D.G.HURST,
S.A.KUSHNERIUK, W.B.LEWIS, A.G.WARD (CHALK RIVER)
MASS SPECTROMETRIC ANALYSIS

92-U -235 2.50-08 2.50-08

1 ALPHA SPECT.AV.

1387 NUCLEAR SCIENCE AND ENGINEERING 30, 355 (1967) T.E.YOUNG,
F.B.SIMPSON, J.R.BERRETH (IDAHO NUCLEAR)
MTR FAST CHOPPER. RESONANCE PARAMETERS BOTH BY AREA ANALYSIS
AND SHAPE FITTING. 2200 M/S ABSORPTION CROSS SECTION OBTAINED
FROM RESONANCE PARAMETERS. GAMMA ABSORPTION ASSUMED TO BE
0.038 EV. EXCEPT AS NOTED. WE HAVE USED THE FISSION WIDTH
FROM REF.1252 TO OBTAIN THE GAMMA WIDTH. RESOLUTION VARIED
FROM 2600 NSEC/M AT 0.5 EV DOWN TO 40 NSEC/M AT 130 EV.
IN-1026 (1967) T.E.YOUNG, F.B.SIMPSON,
J.R.BERRETH, M.S.COOPS94-PU-238 8.20-09 6.49-03
94-PU-238 2.53-08 2.53-08
94-PU-238 0. 1.90-04
94-PU-238 -1.00-05 1.92-04595 TOTAL
1 ABSORP
3 AV.RES.PARAM.
24 RES.PARAM.1388 J. NUCLEAR ENERGY 21, 643 (1967) D.F.KNOLL, W.P.POENITZ
(KARLSRUHE)
GAS SCINTILLATION DETECTOR. RELATIVE TO AU197

92-U -235 3.00-02 6.40-02

2 N.F155

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-215 ***

REF.NO.=1388

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1388

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1388 CAPTURE CROSS SECTION. SEE ALSO BULL. AM. PHYS. SOC. 12, 125 (1967)				
1389 A/CONF. 16, 103 (1958) A.SAPLAKOGLU (ANL) PAPER P/1599. ABSOLUTE MEASUREMENT. FAST CHOPPER	92-U -235	2.53-08 2.53-08	1	N,FISS
1390 J. NUCLEAR ENERGY 6, 212 (1958) H.M.SKARSGAARD, C.J.KENHARD (AERE) CRYSTAL SPECTROMETER. NORMALIZED TO ETA (0.0253 EV) OF 2.08 FOR BOTH PU239 AND U-235. WE HAVE DETERMINED ALPHA BY TAKING NU = 2.430 AND 2.871 FOR U235 AND PU239, RESPECTIVELY	92-U -235 92-U -235 94-PU-239 94-PU-239	6.00-09 5.00-08 6.00-09 5.00-08 7.00-09 3.60-07 7.00-09 3.60-07	8 8 17 17	ETA ALPHA ETA ALPHA
1391 TID-7547 PAGE 115 (1957) B.R.LEONARD, JR. (HANFORD) INTERNATIONAL CONF. ON THE NEUTRON INTERACTION WITH THE NUCLEUS. CRYSTAL SPECTROMETER. MEASURED RATIOS AT 0.1 EV TO ESTIMATE 0.0253 EV VALUES. WE HAVE TAKEN THE U235 FISSION CROSS SECTION AT 2200 M/SEC AS 579.5 BARNS	94-PU-239 94-PU-239 94-PU-241 94-PU-241	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 1 1 1	N,FISS N,FISS N,FISS N,FISS C/S RATIO C/S RATIO
1392 WASH-1041 PAGE 37 (1962) J.R.BERRETH, R.P.SCHUMAN (PHILLIPS) SAMPLE IRRADIATION IN MTR. RELATIVE TO (N,GAMMA) AU THERMAL CROSS SECTION OF 98.8 BARNS AND AU RESONANCE INTEGRAL OF 1758 BARNS. U236 THERMAL FISSION CROSS SECTIONS OBTAINED BY PRIVATE COMMUNICATION (1964) R.P.SCHUMAN, AND 15 A RECALCULATION OF THE VALUE REPORTED IN THE WASH REPORT	25-MN-55 25-MN-55 27-CO-59 27-CO-59 92-U -236 92-U -236	2.50-08 2.50-08 5.00-07 1.50+01 2.50-08 2.50-08 5.00-07 1.50+01 2.50-08 2.50-08 4.00-07 1.50+01	1 1 1 1 1 1	N,G N,G N,G N,G N,G N,G SPECT.AV. RES.INT. SPECT.AV. RES.INT. SPECT.AV. RES.INT.
1393 A/CONF. 16, 64 (1958) J.PALPERIN, R.W.STOUGHTON (ORNL) PAPER P/1072. ACTIVATION ANALYSIS, RELATIVE TO AU	92-U -236 92-U -236	2.50-08 2.50-08 4.00-07 1.50+01	1 1	N,G N,G SPECT.AV. RES.INT.
1394 BULL. AM. PHYS. SOC. 2, 219 (1957) O.D.SIMPSON, R.G.FLUHARTY (PHILLIPS) MTR. FAST CHOPPER. DATA OBTAINED FROM BNL SIGMA CENTER SEE REFERENCE 1211 FOR RESONANCE PARAMETERS	94-PU-240	3.55-08 4.32-05	216	TOTAL
1395 PHYS. REV. 92, 835 (1953) W.I.LINOR, B.RAGENT (LRL) TIME OF FLIGHT TECHNIQUE	83-B1-209 92-U -NAT	4.60+01 1.62+02 4.60+01 1.62+02	10 10	TOTAL TOTAL
1396 PHYS. REV. 118, 799 (1960) G.J.SAFFORD, H.W.HAVENS, JR., B.M.RUSTAD (CU AND BNL) CRYSTAL SPECTROMETER BULL. AM. PHYS. SOC. 5, 33 (1960) PILE NEUTRON RESEARCH IN PHYSICS. VIENNA, PAGE 203 (1960)	92-U -233	8.18-10 8.18-08	33	TOTAL
1397 AECO-3136 (1951) C.G.SHULL, E.O.WOLLAN (ORNL) (AS REPRODUCED IN ITS ENTIRETY IN NSA 5, 638 ABSTRACT 4027) NEUTRON DIFFRACTION TECHNIQUE. NEUTRON ENERGY OR SPECTRA IS NOT STATED. SEE ALSO REFERENCE 1584	90-TM-232 90-TM-232 92-U -NAT 92-U -NAT	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1 1	ELASTIC SPECT.AV. COHERENT SPECT.AV. ELASTIC SPECT.AV. COHERENT SPECT.AV.
1398 AERE-NP/R-2033 (1956) J.A.PHILLIPS (AERE) ACTIVATION MEASUREMENT	90-TM-232 92-U -238	1.50+01 1.50+01 1.41+01 1.41+01	1 1	N,2N N,2N
1400 J. NUCLEAR ENERGY 1, 286 (1955) D.POPOVIC, E.SAELAND (NORWAY) IRRADIATION IN THE JEEP REACTOR THERMAL COLUMN. RELATIVE TO	92-U -233	2.50-08 2.50-08	1	N,FISS SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-216 ***

REF.NO.=1400

07/04/76

EC51L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1400

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1400 NA ACTIVATION CROSS SECTION OF 0.534 BARNS				
1401 J. NUCLEAR ENERGY, PARTS A/B, 18, 481 (1964) J.F.BARRY, J.L.BUNCE, P.H.WHITE (AWRE) COUNTED DECAY BETAS FROM NP239. CROSS SECTION RELATIVE TO (N,P)	92-U -238	1.27-01 7.60+00	13	N.G.
1402 J. NUCLEAR ENERGY 8, 197 (1959) R.C.HANNA, B.ROSE (AERE) ACTIVATION METHOD AERE-NP/R-1743 (1955) B.ROSE	90-TH-232 92-U -238	1.00-01 1.23+00 2.90-02 8.40-01	24 10	N.G. N.G.
1403 BR-574 (1945) E.BRODDA, D.H.WILKINSON (CAVENDISH) J. NUCLEAR ENERGY 8, 197 (1959) SEE REFERENCE 1402 FOR TABULATION OF DATA	92-U -238	4.0-01 3.00+00	5	N.G.
1404 J. NUCLEAR ENERGY 4, 109 (1957) T.S.GREEN, V.G.SMALL, D.E.GLANVILLE (AERE) PILE OSCILLATOR. RELATIVE TO AU CROSS SECTION OF 98.6 BARNS CROSS SECTION ASSUMED 1/V BELOW 0.1 EV	92-U -233	2.53-08 2.53-08	1	ABSORP
1405 J. NUCLEAR ENERGY 2, 243 (1956) R.L.MACKLIN, H.S.POMERANCE (ORNL) RELATIVE TO AU-197 RI OF 1558 BARNS (0.4 EV CUTOFF), 1 BARN AND 3 BARNS ADDED HERE FOR 1/V CONTRIBUTIONS TO U238 AND TH232, RESPECTIVELY A/CONF. 5, 96 (1955)	90-TH-232 92-U -238	4.00-07 1.50+01 4.00-07 1.50+01	1 1	N.G. N.G. RES.INT. RES.INT.
1406 J. NUCLEAR ENERGY 1, 319 (1955) V.G.SMALL (AERE) PILE OSCILLATOR. RELATIVE TO MN504 WITH MN CROSS SECTION = 13.4 BARNS AND S CROSS SECTIONS = 0.49 BARNS	90-TH-232 92-U -NAT 92-U -238	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1	ABSORP ABSORP ABSORP SPECT.AV. SPECT.AV. SPECT.AV.
1407 ARKIV FYSIK 23, 425 (1962) I.BERGQVIST (SWEDEN) TIME OF FLIGHT TECHNIQUE WITH SCINTILLATION SPECTROMETER. RELATIVE TO AG CROSS SECTION OF 1.185 BARNS AT 24 KEV	47-AG-NAT 73-TA-NAT 74-W -NAT 78-AU-197 80-HG-NAT 92-U -238	1.80-02 3.00-01 3.40-02 3.00-01 1.80-02 3.00-01 1.80-02 3.00-01 3.40-02 3.00-01 1.80-02 3.00-01	8 5 8 8 8 8	N.G. N.G. N.G. N.G. N.G. N.G.
1408 J. CHEM. PHYS. 35, 1950 (1961) H.ATOJ (ANL AND IOHA STATE U.INST) CRYSTAL SPECTROMETERS. BASED ON COHERENT CROSS SECTION OF 13.2 BARNS AND 5.5 BARNS FOR NI AND C, RESPECTIVELY	20-CA-NAT 39-Y -89 57-LA-NAT 58-CE-NAT 65-TB-159 70-YB-NAT 71-LU-NAT 92-U -NAT	0. 0. 0. 0. 0. 0. 0. 0.	1 1 1 1 1 1 1 1	COHERT COHERT COHERT COHERT COHERT COHERT COHERT COHERT
1409 J. NUCLEAR ENERGY 3, 28 (1956) N.J.PATTENDEN (AERE) SLOW CHOPPER AND CRYSTAL SPECTROMETER	92-U -233 92-U -233	1.56-09 1.14-05 1.78-06 1.10-05	265 6	TOTAL RES.PARAM.
1410 BULL. AM. PHYS. SOC. 5, 33 (1960) M.I.MC GARRY, R.J.OMOHUNDRO, G.E.HOLLOWAY (USNRL)	90-TH-232 92-U -233	1.40+01 1.40+01 1.40+01 1.40+01	1 1	NU-DLAY NU-DLAY
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

*** 3-217 ***

REF.NO.=1410

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1410

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1410 DATA VIA PRIVATE COMMUNICATION (1961) W.L.MC GARRY IS NOTED IN REFERENCE 1933	92-U -235	1.40+01 1.40+01	1	NU-DLAY
	92-U -238	1.40+01 1.40+01	1	NU-DLAY
1411 J. NUCLEAR ENERGY 5, 186 (1957) J.E.SANDERS, H.M.SKARSGARD, C.J.KENWARD (AERE) CRYSTAL SPECTROMETER. ALPHA OBTAINED FROM ETA BY ASSUMING $\text{NU} = 2.504$	92-U -233	4.80-08 2.16-06	27	ETA
	92-U -233	1.07-06 2.16-06	12	ALPHA
1412 LA-512 (1946) D.WILLIAMS, P.YUSTER (LASL) MASS SPECTROGRAPHIC ANALYSIS	92-U -235	2.50-08 2.50-08	1	N.G SPECT.AV.
	92-U -235	2.50-08 2.50-08	1	ALPHA SPECT.AV.
1413 LAMS-938 (1950) W.NYER (LASL) RELATIVE TO A U-238 FISSION CROSS SECTION OF 1.13 BARNS AT 14 MEV	90-TM-232	1.4+01 1.40+01	1	N.FISS
	90-TM-232	1.40+01 1.40+01	1	N.FISS C/S RATIO
	92-U -233	1.40+01 1.40+01	1	N.FISS
	92-U -233	1.40+01 1.40+01	1	N.FISS C/S RATIO
	92-U -235	1.40+01 1.40+01	1	N.FISS
	92-U -235	1.40+01 1.40+01	1	N.FISS C/S RATIO
	92-U -236	1.40+01 1.40+01	1	N.FISS
	92-U -236	1.40+01 1.40+01	1	N.FISS C/S RATIO
	94-PU-239	1.40+01 1.40+01	1	N.FISS
	94-PU-239	1.40+01 1.40+01	1	N.FISS C/S RATIO
1414 A/CONF. 4, 230 (1955) G.M.KUKAVADZE, L.L.GOLDIN, M.P.ANIKINA, B.V.ERSHLER (USSR) REACTOR IRRADIATION. RELATIVE TO LI-6 CROSS SECTION = 930 BARNS	92-U -233	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	92-U -233	2.50-08 2.50-08	1	N.G SPECT.AV.
1415 UNPUBLISHED (0000) H.PALEVSKY, R.S.CARTER, D.J.HUGHES (BNL) A/CONF. 4, 147 (1955) J.A.HARVEY (BNL) DETERMINED FROM SLOW CHOPPER MEASUREMENT OF THE TOTAL CROSS SECTION	92-U -238	2.53-08 2.53-08	1	N.G
1416 NUCLEAR SCIENCE AND ENGINEERING 1, 20 (1956) J.T.THOMAS, J.K.FOX, D.CALLIHAN (ORNL) COMPARISON BETWEEN CALCULATIONS AND WATER BOILER CRITICALITY STUDIES. RELATIVE TO U235 $\text{NU}=2.08$. SEE NUCLEAR SCIENCE AND ENGINEERING 2, 253 (1957) N.C.FRANCIS, H.HURHITZ, JR., P.F.ZWEIFEL FOR BUCKLING CORRECTIONS. WE HAVE DETERMINED ALPHA HERE BY TAKING $\text{NU} = 2.494$ FOR U233	92-U -233	2.60-08 2.60-08	1	ETA
	92-U -233	2.60-08 2.60-08	1	ALPHA
1417 NUCLEAR NEWS 10, 27 (1967) J.W.BOLDEMAN ET AL. (AUSTRALIA) LIQUID SCINTILLATOR. RELATIVE TO PROMT NU-BAR = 3.784 FOR CF252	92-U -233	0. 0.	1	NU-PRMT
	92-U -233	2.53-08 2.53-08	1	NU-PRMT SPECT.AV.
	92-U -235	2.53-08 2.53-08	1	NU-PRMT SPECT.AV.
	94-PU-239	0. 0.	1	NU-PRMT
	94-PU-239	2.53-08 2.53-08	1	NU-PRMT SPECT.AV.
	94-PU-241	0. 0.	1	NU-PRMT
	94-PU-241	2.53-08 2.53-08	1	NU-PRMT SPECT.AV.
	98-CF-252	-6.35+00-6.35+00	1	NU-PRMT
1418 PHYS. REV. 71, 560 (1947) R.R.WILSON (LASL) BORON TRITFLUORIDE IONIZATION CHAMBER IMMERSSED IN PARAFFIN. WE	94-PU-239	2.50-08 2.50-08	1	NU-DLAY
	94-PU-239	2.50-08 2.50-08	1	NU-DLAY C/S RATIO

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-218 ***

REF.NO.=1418

07/0/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1418

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1418 HAVE TAKEN NU DELAYED FOR U235 AS 0.016

1419 PHYS. REV. 72, 570 (1947) W.C.REDMAN, D.SAXON (ANL)
ACTIVATION ANALYSIS. WE HAVE TAKEN NU DELAYED FOR U235 AS
0.01694-PU-239 2.50-08 2.50-08 1 NU-DLAY
S4-PU-239 2.50-08 2.50-08 1 NU-DLAY C/S RATIO1420 PHYS. REV. 72, 567 (1947) F.DE.HOFFMANN, B.T.FELD (LASL)
ACTIVATION ANALYSIS. WE HAVE TAKEN NU DELAYED FOR U235 AS
0.01694-PU-239 2.50-08 2.50-08 1 NU-DLAY
94-PU-239 2.50-08 2.50-08 1 NU-DLAY C/S RATIO1421 PHYS. REV. 73, 111 (1948) D.J.HUGHES, J.W.T.DABBS, JR.,
A.CAHN, JR., D.HALL (ANL)
IRRADIATION IN ANL HEAVY WATER PILE. WE HAVE TAKEN NU PROMPT
FOR U235 (THERMAL) AS 2.41492-U -235 2.50-08 2.50-08 1 NU-DLAY
92-U -235 2.50-08 2.50-08 1 NU-DLAY C/S RATIO1422 PHYS. REV. 79, 3 (1950) K.H.SUN, R.A.CHARPIE, F.A.PECJAK,
B.JENNINGS, J.F.NEHAJ, A.J.ALLEN (WESTINGHOUSE, PITT.)
15 MEV DEUTERONS ON THICK C TARGET, YIELDING NEUTRONS UP TO
14 MEV (MAX.). ACTIVATION ANALYSIS.90-TH-232 1.40+01 1.40+01 1 NU-DLAY SPECT.AV.
92-U -238 1.40+01 1.40+01 1 NU-DLAY SPECT.AV.1423 ATOMNAYA ENERGIYA 11, 539 (1961) V.I.SHPAKOV, K.A.PETRZHAK,
M.A.BAK, S.S.KOVALENKO, O.I.KOSYCHKIN (USSR)
IRRADIATION MEASUREMENT WITH D,T NEUTRONS90-TH-232 1.45+01 1.45+01 1 NU-DLAY
94-PU-239 1.45+01 1.45+01 1 NU-DLAY1424 UNPUBLISHED (1945) R.PERRY (LASL)
PROGRESS IN NUCLEAR ENERGY 1, 191 (1956) G.R.KEEPIN

94-PU-239 6.00-01 6.00-01 1 NU-DLAY SPECT.AV.

1425 ATOMNAYA ENERGIYA 7, 474 (1959) B.P.MAKSYUTENKO (USSR)
IRRADIATION MEASUREMENTS. RESULTS HAVE BEEN NORMALIZED HERE
TO NU DELAYED (U235) = 0.016 N/F AT THERMAL90-TH-232 2.40+00 1.50+01 3 NU-DLAY
92-U -235 2.40+00 1.50+01 3 NU-DLAY
92-U -238 2.40+00 1.50+01 3 NU-DLAY1426 A/CONF. 4, 171 (1955) S.V.GIRSHFELD (USSR)
IRRADIATION MEASUREMENT

92-U -233 2.50-08 2.50-08 1 NU-DLAY

1427 A/CONF. 4, 162 (1955) G.R.KEEPIN, T.F.WIMETT (LASL)
FISSION NEUTRON IRRADIATION90-TH-232 2.00+00 2.00+00 1 NU-DLAY SPECT.AV.
92-U -233 2.00+00 2.00+00 1 NU-DLAY SPECT.AV.
92-U -235 2.00+00 2.00+00 1 NU-DLAY SPECT.AV.
92-U -238 2.00+00 2.00+00 1 NU-DLAY SPECT.AV.
94-PU-239 2.00+00 2.00+00 1 NU-DLAY SPECT.AV.1428 NUCLEAR SCIENCE AND ENGINEERING 31, 247 (1968) W.C.REDMAN,
M.M.DRETSCHER (ANL)
LOW FLUX MEASUREMENT
TRANS. AM. NUCLEAR SOC. B, 531 (1965)
TRANS. AM. NUCLEAR SOC. 9, 245 (1966)

92-U -235 5.00-07 1.40+01 1 ALPHA RES.INT.

1429 CAN. J. PHYS. 36, 503 (1958) C.B.BIGHAM (CHALK RIVER)
IRRADIATION MEASUREMENT RELATIVE TO PU239, VALUE QUOTED IN
ARTICLE IS -0.8 +/- 0.7 BARNS

94-PU-240 2.50-08 2.50-08 1 N,FISS SPECT.AV.

1430 HW-30128 (1953) B.R.LEONARD, JR., M.HAUSER,
E.J.SEPPA (HANFORD)

94-PU-239 2.12-08 9.80-07 31 N,FISS

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-219 ***

REF.NO.=1430

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1430

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1430 CRYSTAL SPECTROMETER MEAS. RELATIVE TO U235. RELATIVE TO U235 FISSION CROSS SECTION = 575 BARNS AT 0.0253 EV AND THE RATIO OF THE SPECTRUM AVERAGED (PU239/U235) CROSS SECTION = 1.405. CROSS SECTION DATA TAKEN FROM BNL-325 (1958) BNL-250-DEL (1954)

1431 ANL-5032 P.7 (1953) S.P.HARRIS, D.C.ROSE, H.P.SCHROEDER (ANL) FILC OSCILLATOR TECHNIQUE. RELATIVE TO BARNS CROSS SECTION OF 755 BARNS AT 0.0253 EV

92-U -238 2.53-08 2.53-08 1 ABSORP
92-U -238 2.50-08 2.50-08 1 ABSORP SPECT.AV.

1432 CP-2079 (1944) H.L.ANDERSON, J.BISTLINE, J.W.T.DABBS,JR., H.HESKETT, W.J.STURM, J.TABIN (ANL) REACTIVITY COEFFICIENT MEASURE RELATIVE TO BARNS CROSS SECTION = 703 BARNS AT 0.0253 EV

92-U -238 2.53-08 2.53-08 1 ABSORP

1433 AECL-2148 (1964) A.OKAZAKI, M.LOUNSBURY. R.W.OURHAM (CHALK RIVER) IRRADIATION IN NRU REACTOR

92-U -233 2.53-08 2.53-08 1 ALPHA
92-U -233 2.50-08 2.50-08 1 ALPHA SPECT.AV.

1434 NUCLEAR PHYS. 43, 124 (1963) M.MANGIALAJO, F.MERZARI, P.G.SONA (ITALY) SEMICONDUCTOR DETECTOR RELATIVE TO H CROSS SECTION

92-U -238 1.37+01 1.47+01 8 N.FISS

1435 NUCLEAR SCIENCE AND ENGINEERING 14, 358 (1962) J.HARDY,JR., G.G.SMITH, D.KLEIN (BETTS) IRRADIATION IN TRX REACTOR. RELATIVE TO AU. BASED ON AU R1 = 1535 BARNS, AU THERMAL CROSS SECTION = 98.8 BARNS AND 238 THERMAL CROSS SECTION = 2.71 BARNS

92-U -238 5.50-07 1.50+01 1 N.O RES.INT.

1436 BULL. AM. PHYS. SOC. 1, 327 (1956) E.H.MAGLEBY, J.R.SMITH, J.E.EVANS, H.S.MOORE (PHILLIPS) MTR CRYSTAL SPECTROMETER. LONG COUNTER AND HORNBYK BUTTON DETECTORS 100-16368 (1956) ALPHA OBTAINED FROM ETA BY ASSUMING NU = 2.504

92-U -233 9.20-08 7.30-06 77 ETA
92-U -233 9.20-08 7.30-06 77 ALPHA

1437 BULL. AM. PHYS. SOC. 1, 327 (1956) M.S.MOORE, L.G.MILLER, C.W.REICH (PHILLIPS) MULTILEVEL ANALYSIS WITH GAMMA-GAMMA TAKEN EQUAL TO 0.040 EV PHYS. REV. 118, 714 (1960) M.S.MOORE, L.G.MILLER, G.D.SIMPSON

92-U -233 5.00-06 4.70-06 14 RES.PARAM.

1438 ATOMNAYA ENERGIYA 15, 414 (1963) V.A.TOLSTIKOV, L.E.SHERMAN, YU.YA.STAVISKII (USSR) RELATIVE TO B-10(IN.ALPHA) REACTION. NORMALIZED TO 0.568 BARNS AT 24 KEV FOR U238 AND 0.390 BARNS AT 71.5 KEV FOR TH232

90-TH-232 5.50-03 1.00-01 10 N.O
92-U -238 1.30-02 1.70-01 10 N.O

1439 INR-68R/1/PH (1966) T.CZYZEWSKI, P.DECOMSKI, B.FRYSZCZYN (POLAND) DT NEUTRON SOURCE. MEASUREMENT RELATIVE TO U238 FISSION

94-PU-239 1.31+01 1.53+01 5 N.FISS

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-220 ***

REF.NO.=1439

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1439

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1439 CROSS SECTION

1440 NUCLEAR SCIENCE AND ENGINEERING 9, 105 (1961) M.L.YEATER, R.W.HOCKENBURY, R.R.FULLWOOD (RP1)
TIME OF FLIGHT TECHNIQUE, NORMALIZED AT 1 EV TO MTR MEASUREMENTS (SEE REF. 1436). ALPHA OBTAINED FROM ETA BY ASSUMING NU-2.504 . TOTAL CROSS SECTIONS OBTAINED FROM PRIVATE COMMUNICATION (1958) M.L.YEATER VIA BNL SIGMA CENTER

92-U -233 8.97-05 1.55-02 222 TOTAL
92-U -233 9.97-07 8.20-04 155 ETA
92-U -233 9.97-07 8.20-04 155 ALPHA

1441 NUCLEAR SCIENCE AND ENGINEERING 16, 245 (1963) J.HALPERIN, F.J.JOHNSON, R.W.STOUGHTON, J.H.OLIVER, E.L.BLEVINS, R.E.DRUSCHEL, A.L.HARKNESS, B.A.SWARTZ (ORNL)
ORNL-3176 P.1 (1961)
PILE NEUTRON RESEARCH IN PHYSICS, VIENNA, PAGE 239 (1960)
IRRADIATION IN ORR REACTOR, RELATIVE TO $\text{SIGMA(CO)} = 37.0$ BARNS AND $\text{R1(CO)} = 75$. BARNS EPITHERMAL ALPHA (RATIO OF CAPTURE TO FISSION R1) BASED ON FISSION R1 ABOVE 0.54 EV = 865 BARNS

61-PM-147 2.50-08 2.50-08 2 N.G. SPECT.AV.
61-PM-147 5.00-07 1.50+01 2 N.G. RES.INT.
92-U -233 2.50-08 2.53-08 1 N.G.
92-U -233 2.50-08 2.50-08 1 N.G. SPECT.AV.
92-U -233 5.40-07 1.50+01 1 N.G. RES.INT.
92-U -233 5.40-07 1.50+01 1 ALPHA RES.INT.

1442 NUCLEAR SCIENCE AND ENGINEERING 29, 1 (1967) D.E.CONWAY, S.B.GUNST (BETTIS)
TRANS. AM. NUCLEAR SOC. 9, 245 (1966)
HAPD-TM-613 (1967)
IRRADIATION IN MTR, RELATIVE TO $\text{CO R1} = 72.0$ BARNS AND $\text{CO THERMAL CROSS SECTIONS OF } 37.5$ BARNS

92-U -233 2.50-08 2.50-08 1 ALPHA SPECT.AV.
92-U -233 5.00-07 1.50+01 1 N.FISS RES.INT.
92-U -233 5.00-07 1.50+01 1 N.G. RES.INT.
92-U -233 5.00-07 1.50+01 1 ALPHA RES.INT.
92-U -233 2.50-08 2.50-08 1 ALPHA SPECT.AV.
92-U -233 5.00-07 1.50+01 1 N.FISS RES.INT.
92-U -233 5.00-07 1.50+01 1 N.G. RES.INT.
92-U -233 5.00-07 1.50+01 1 ALPHA RES.INT.

1443 NUCLEAR SCIENCE AND ENGINEERING 22, 20 (1965) D.E.CONWAY, H.D.COOK, S.B.GUNST (BETTIS)
IRRADIATION OF BARE AND CD COVERED SAMPLES IN MTR, TRANS. AM. NUCLEAR SOC. 7, 79 (1964)

92-U -235 5.10-07 1.50+01 1 ALPHA RES.INT.

1444 CP-2076 (1944) L.SEREN, H.N.FRIEDLANDER, S.H.TURKEL (ANL)
ACTIVATION ANALYSIS

90-TH-232 2.50-08 2.50-08 1 N.G. SPECT.AV.
90-TH-232 5.00-07 1.50+01 1 N.G. RES.INT.
92-U -236 2.50-08 2.50-08 1 N.G. SPECT.AV.

1445 CEA-652 (1958) M.JACOB (SACLAY)
FISSION SPECTRUM NU BASED ON NU THERMAL (PU239) = 2.865. WE HAVE TAKEN NU PROMPT FOR U233 (THERMAL) AS 2.487

94-PU-239 2.53-08 2.53-08 1 NU-PRMT
94-PU-239 2.00+00 2.00+00 1 NU-PRMT SPECT.AV.
94-PU-239 2.53-08 2.53-08 1 NU-PRMT C/S RATIO

1446 NUCLEAR SCIENCE AND ENGINEERING 40, 389 (1970) T.E.YOUNG, S.D.PEEDER (IDAHO NUCLEAR)
MTR FAST CHOPPER, DATA OBTAINED BY PRIVATE COMMUNICATION FROM T.E.YOUNG. AREA AND SHAPE ANALYSIS. GAMMA-GAMMA ASSUMED TO BE 0.026 EV WHEN NOT DETERMINED. RESOLUTION VARIED FROM 330 NSEC/M AT 0.5 EV DOWN TO ABOUT 100 NSEC/M ABOVE 8 EV.
IN-1332 (1968)
BULL. AM. PHYS. SOC. 11, 335 (1966)

94-PU-242 1.30-09 7.72-03 1017 TOTAL
94-PU-242 0. 1.50-04 4 AV.RES.PARAM.
94-PU-242 -5.00-06 3.80-04 24 RES.PARAM.

1447 A/CONF. 15, 353 (1958) I.I.BONDARENKO, B.D.KUZ'MINOV, L.S.KUTSAEVA, L.I.PROKHOROVA, G.N.SMIRENKIN (USSR)

90-TH-232 4.00+00 4.00+00 1 NU-PRMT

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-221 ***

REF.NO.=1447

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1447

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1447 BF3 COUNTERS IN PARAFFIN. RELATIVE TO U235 THERMAL NU PROMPT
= 2.4"1448 A/CONF. 2, 18 (1955) M.WALT (LASL)
LA-1939 (1955) H.A.BETHE, J.R.BEYSTER, R.E.CARTER92-U -235 3.00+00 3.00+00 1 NONELAS
92-U -235 2.50+00 2.50+00 10 ELASTIC D(A)
92-U -238 1.00+00 7.10+00 4 NONELAS1449 LAMS-1300 (1951) E.R.GRAVES (L-SL)
LA-1939 (1955) H.A.BETHE, J.R.BEYSTER, R.E.CARTER

92-U -238 1.40+01 1.40+01 1 NONELAS

1450 MDDC-353 (LA-274) (1945) P.OLUM (LASL)
LA-1939 (1955) H.A.BETHE, J.R.BEYSTER, R.E.CARTER
A/CONF. 2, 18 (1955) M.WALT
INCLUDING UNPUBLISHED DATA OF S.COHEN, P.OLUM, V.WEISSKOPF

92-U -238 2.50+01 3.00+00 9 NONELAS

1451 UNPUBLISHED (0000) T.W.GONNER (RICE)
LA-1939 (1955) H.A.BETHE, J.R.BEYSTER, R.E.CARTER

92-U -238 4.00+00 1.55+01 6 NONELAS

1452 CRR-861 (AECL-924) (1959) C.B.BIGHAM, G.C.HANNA,
P.R.TUNNICLIFFE (CHALK RIVER)
IRRADIATION ANALYSIS OF NRX RODS92-U -235 2.53-08 2.53-08 1 ALPHA
92-U -235 2.50-08 2.50-08 1 ALPHA SPECT.AV.1453 PR-P-57 (AECL-1778) P.7 (1963) G.C.HANNA (CHALK RIVER)
ANALYSIS OF THE ISOTOPIC COMPOSITION OF NRX PRODUCED
PLUTONIUM

94-PU-239 2.53-08 2.53-08 1 N.O

1454 ATOMNAYA ENERGIYA 8, 49 (1960) E.K.GERLING, YU.A.SHUKOLYUKOV
(USSR)
RELATIVE TO A HALF-LIFE FOR SPONTANEOUS FISSION OF 5.8 X 10
TO THE 15TH YEARS

92-U -238 -6.14+00-6.14+00 1 NU-PRMT

1455 TRANS. AM. NUCLEAR SOC. 4, 271 (1961) G.S.COOPER,
J.D.GARRISON, W.A.HINES (GA)
SINGLE LEVEL RESONANCE PARAMETERS BASED ON BEST FIT TO CROSS
SECTION DATA UP TO 1961. POT SCATT CROSS SECTION ARE 11.4
BARNS AND 11.8 BARNS IN U234 AND TH232, RESPECTIVELY90-TH-232 -3.50-08-3.50-08 2 RES.PARAM.
92-U -234 -1.31-08-1.31-08 2 RES.PARAM1456 UNPUBLISHED (0000) G.W.LEDDICOTTE (ORNL)
CF-51-12-151 (1952) H.S.POMERANCE
BASED ON CO CROSS SECTION = 34 BARNS AND MN CROSS SECTION =
13 BARNS REACTOR IRRADIATION

92-U -238 2.50-08 2.50-08 2 N.O SPECT.AV.

1457 ORNL-1477 P.13 (1952) G.S.PAULICKI, E.C.SMITH,
P.E.F.THURLOW (ORNL)
TRANSMISSION MEASUREMENTS. U-235 DATA TAKEN FROM
BNL-325 (ORNL-FC-1) (1958)

92-U -236 4.10-08 9.50-08 15 TOTAL

1458 MC-70 (1944) W.E.GRUMMITT, J.GUERON, G.WILKINSON (MONTREAL)
ACTIVATION ANALYSIS. RELATIVE TO MN CAPTURE CROSS SECTION OF
13.4 BARNS53-I -127 2.50-08 2.50-08 1 N.O SPECT.AV.
90-TH-232 2.50-08 2.50-08 1 N.O SPECT.AV.
92-U -238 2.50-08 2.50-08 1 N.O SPECT.AV.

1459 LA-718 (1948) W.NYER (LASL)

92-U -238 1.40+01 1.40+01 1 N.FISS

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-222 ***

REF.NO.=1459

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1459

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1459 D,T NEUTRONS. SHALLOW IONIZATION CHAMBER

- 1460 BNL-222 (1953) H. PALEVSKY, R.S. CARTER, D.J. HUGHES (BNL)
SLOW CHOPPER. TRANSMISSION MEASUREMENT. U235 DATA TAKEN FROM
BNL-325 (BNL-SC-1) (1958) 92-U -235 1.73-09 1.62-07 45 TOTAL
92-U -235 3.00-09 1.63-07 33 ABSORP
92-U -236 2.30-10 2.52-08 92 TOTAL
- 1461 CP-3147 (1945) A. CAHN, JR., J.W.T. DABBS, JR., D.J. HUGHES (ANL)
ACTIVATION ANALYSIS. WE HAVE UTILIZED HERE NU (TOTAL) = 2.494
AND 2.430 FOR U-233 AND U-235, RESPECTIVELY. WE HAVE TAKEN NU
DELAYED FOR U235 AS 0.016 92-U -233 2.50-08 2.50-08 1 NU-DLAY
92-U -233 2.50-08 2.50-08 1 NU-DLAY C/S RATIO
- 1462 ORNL-3360 P.51 (1962) G. DE SAUSSURE, L.W. WESTON, J.D. KINGTON,
R.D. SMIDDIE, W.S. LYON (ORNL)
LARGE LIQUID SCINTILLATION TANK. RELATIVE REMEASUREMENT TO
U-235 ABSORPTION CROSS SECTION. SEE REFERENCE FOR
NORMALIZATION 92-U -238 3.00-02 6.40-02 2 N.O
- 1463 AERE-NP/M-88 (1958) N.J. PATTENDEN, A.H. BASTON
DATA TAKEN FROM 92-U -235 1.72-08 9.90-07 2 TOTAL
BNL-325 (HAR-CS-1) (1958) 92-U -235 1.02-06 1.21-06 9 ABSORP
- 1464 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., P/D-13 (1968)
N.W. GLASS, A.D. SCHELBERG, L.D. TATRO, J.H. WARREN (LASL)
SINGLE LEVEL FIT, AREA ANALYSIS. GAMMA N USED FROM REFERENCE
814 IN DETERMINING GAMMA-GAMMA. SEE ALSO
EANDC(US)-94L (1967) 92-U -238 0. 8.23-04 7 AV.RES.PARAM.
92-U -238 4.41-06 2.05-03 475 RES.PARAM.
- 1465 PHYS. REV. 165, 1371 (1968) J.A. FARRELL (LASL)
MULTILEVEL FIT TO FISSION CROSS SECTION DATA OF PETRAL
BOMB SOURCE (REF. 1061). TWO FISSION CHANNEL USED FOR 0+
LEVELS, ONE FISSION CHANNEL FOR 1+ LEVELS. GAMMA-GAMMA TAKEN
AS 0.040 EV. SIGNS ON FISSION WIDTHS TO BE ASSOCIATED WITH
THE INTERFERENCE TERM. RESONANCES AT 21.45, 21.70, 25.15,
37.25, 39.25 AND 51.60 EV ARE INCLUDED TO
IMPROVE FIT. EXISTENCE PROBABLE, PARAMETERS UNCERTAIN
BULL. AM. PHYS. SOC. 12, 521 (1967)
EANDC(US)-95L (1967) 94-PU-239 1.40-05 9.00-05 8 AV.RES.PARAM.
94-PU-239 1.42-05 8.56-05 147 RES.PARAM.
- 1466 PRIVATE COMMUNICATION (1966) H. DERRIEN ET AL. (ISACLAY)
VIA BNL SIGMA CENTER. TIME OF FLIGHT MEASUREMENTS MADE IN
1953/1964. 0.8 BARNS HAS BEEN SUBTRACTED TO CORRECT FOR EVEN
URANIUM ISOTOPIES IN U235 SAMPLE. SAMPLE THICKNESS OF 0.02557
AT. /B. 92-U -235 7.24-04 9.97-03 3981 TOTAL
- 1469 PRIVATE COMMUNICATION (1956) M.L. YEATER (KAPL)
VIA BNL SIGMA CENTER 92-U -238 2.00-04 1.22-03 144 TOTAL
- 1470 PRIVATE COMMUNICATION (1955) H.R. MUETHER, H. PALEVSKY (BNL)
VIA BNL SIGMA CENTER. SLOW CHOPPER. 92-U -233 5.69-09 1.10-07 35 TOTAL
- 1471 PRIVATE COMMUNICATION (1955) V.L. SAILOR (BNL)
VIA BNL SIGMA CENTER. CRYSTAL SPECTROMETER. 6-C -NAT 1.46-06 1.46-06 1 TOTAL
83-B1-209 4.89-06 4.89-06 1 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-223 ***

REF.NO.=1471

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1471

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1471	92-U -233	3.00-07 1.12-05	255	TOTAL
1472 PRIVATE COMMUNICATION (1956) F.NETTER (SACLAY) VIA BNL SIGMA CENTER	92-U -238	1.01+00 4.00+00	28	N,FISS
1473 PHYS. REV. 95, 581 (1954) B.G.HARVEY, H.P.ROBINSON, S.G.THOMPSON, A.GHIORSO, G.R.CHOPPIN (BERKELEY) IRRADIATION IN MTR, FOLLOWED BY CHEMICAL SEPARATION. UPPER LIMITS ARE ALSO GIVEN FOR THE THERMAL CAPTURE CROSS SECTION FOR CF254 AND ES254 OF 2 AND 15 BARNS, RESPECTIVELY	95-AM-243 97-BK-249 98-CF-249 98-CF-249 98-CF-252 99-ES-253	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1 1 1 1	N,0 N,0 SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV.
1474 PHYS. REV. 94, 974 (1954) C.M.STEVENS, M.H.STUDIER, P.R.FIELDS, J.F.MECH, P.A.SELLERS, A.H.FRIEDMAN, H.DIAMOND, J.R.HUIZENGA (ANL) IRRADIATION IN THE MTR, FOLLOWED BY MASS SPECTROMETRIC ANALYSIS	95-AM-243 96-CM-244 96-CM-245 96-CM-246	2.50-08 2.50-08 2.53-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1 1	N,0 N,0 N,0 N,0
1475 J. INORG. NUCLEAR CHEM. 26, 219 (1964) R.VANDENBOSCH, P.R.FIELDS, S.E.VANDENBOSCH, O.M.HETTA (ANL) ACTIVATION ANALYSIS	95-AM-243	2.50-08 2.50-08	1	N,0 C/S RATIO
1476 PHYS. REV. 79, 530 (1950) K.STREET,JR., A.GHIORSO, G.T.SEABORG (BERKELEY) ACTIVATION ANALYSIS	95-AM-241 95-AM-242 95-AM-243	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1	N,0 N,0 N,0
1477 TRUD. INT. FIZ. AKAD. NAUK GRUZ. SSR 8, 75 (1962) V.F.GERASIMOV (USSR) AS PRESENTED BY M.I.PEVZNER, TH229 DATA REPORTED IN REF.249	95-AM-241	4.00-09 4.20-07	15	N,FISS
1478 DP-207 (1957) J.W.WADE (SAVANNAH R.) REACTIVITY MEASUREMENT, RELATIVE TO FE THERMAL CROSS SECTION OF 2.53 BARNS	29-CU-NAT 79-AU-197 90-TH-232	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1	ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV.
1479 PHYS. REV. 140, 50 (1965) E.HADDAD, S.J.FREISENHAN, F.M.FROHNER, W.M. LOPEZ (OAI) LIQUID SCINTILLATOR DETECTION OF CAPTURE GAMMA RAYS. AREA ANALYSIS, INCLUDING MULTIPLE-SCATTERING CORRECTIONS. NUCLEAR STRUCTURE STUDY WITH NEUTRONS, ANTWERP, P/159 (1965) BULL. AM. PHYS. SOC. 9, 31 (1964)	90-TH-232	2.18-05 2.21-04	19	RES.PARAM.
1480 AERE-M-1223 (1963) C.A.UTTLEY, R.H.JONES (AERE) TRANSMISSION MEASUREMENT. AREA ANALYSIS	90-TH-232	2.16-05 3.41-04	31	RES.PARAM.
1481 AERE-PR/NP-5 P.6 (1963) N.J.PATTENDEN, R.C.BLOCK, S.BARDSLEY (AERE) TRANSMISSION MEASUREMENT. AREA AND SHAPE ANALYSIS. GAMMA-GAMMA FOR TH232 ASSUMED TO BE 0.0214 EV	90-TH-232	2.17-05 6.90-05	5	RES.PARAM.
1482 PRIVATE COMMUNICATION (1958) D.R.F.COCHRAN, R.L.HENKEL (LASL) VIA BNL SIGMA CENTER WASH-1013 P.34 (1958)	90-TH-232	7.03+00 1.59+01	2	N,2N

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-224 ***

REF.NO.=1482

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1483

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1483 ORNL-3320 P.1 (1962) J. HALPERIN, R.W. STOUGHTON, R.E. DRUSCHEL, A.E. CAMERON, R.L. WALKER (ORNL) MASS SPECTROMETRIC OF U234/U233 RATIO. CROSS SECTION ASSUMED TO BE 1/V. RELATIVE TO CD 2200 M/SEC CROSS SECTION OF 37 BARNs AND RI OF 75 BARNs	91-PA-233 91-PA-233	2.53-08 2.53-08 5.50-07 1.50+01	1 N.G 1 N.G	RES. INT.
1484 IDO-16226 (1955) R.R. SMITH, T.O. PASSELL, S.D. REEDER, N.P. ALLEY, R.L. HEATH (PHILLIPS) ACTIVATION ANALYSIS. RELATIVE TO CO CROSS SECTION OF 37 BARNs AND RI OF 41 BARNs	91-PA-233 91-PA-233 91-PA-233 91-PA-233 91-PA-233	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 5.00-07 1.50+01 5.00-07 1.50+01	1 N.G 1 N.G 1 N.G 1 N.G 1 N.G	SPECT. AV. SPECT. AV. SPECT. AV. RES. INT. RES. INT.
1485 ANL-MMM-1080 (1953) L.I. KATZIN, C.M. STEVENS MASS SPECTROGRAPHIC ANALYSIS OF SAMPLES REPORTED IN REFERENCE 1202. SEE ALSO REFERENCE 10	91-PA-233	2.50-08 2.50-08	1 N.G	SPECT. AV.
1486 EANDC(U)-44L (1963) M.H. BEROUS, F.B. SIMPSON (PHILLIPS) FAST CHOPPER. AREA ANALYSIS	91-PA-233 91-PA-233	1.35-06 5.00-06 1.35-06 1.61-05	3 10	AV. RES. PARAM. RES. PARAM.
1488 BULL. AM. PHYS. SOC. 12, 521 (1967) J.D. CRAMER (LASL) MULTILEVEL FIT WITH 4 FISSION CHANNELS. 49 LEVELS ASSIGNED CAPTURE WIDTHS OF 0.045 EV IN 2 CHANNELS AND 32 LEVELS ASSIGNED CAPTURE WIDTHS OF 0.029 EV IN 2 CHANNELS. THE SIGNS ON THE FISSION WIDTHS ARE TO BE ASSOCIATED WITH THE FISSION INTERFERENCE TERM. THE GROUP OF LEVELS WITH GAMMA-GAMMA = 0.045 EV ARE ASSUMED TO BE THE JPI = 4-STATES. THOSE WITH GAMMA-GAMMA = 0.029 EV ARE ASSUMED TO BE THE JPI = 3-STATES. LA-3917-MS (1968) NUCLEAR PHYS. 126, 471 (1969)	92-U -235 92-U -235 92-U -235 92-U -235	1.66-05 7.08-05 1.66-05 7.08-05 1.66-05 7.08-05 1.66-05 7.08-05	4 4 160 80	AV. RES. PARAM. AV. RES. PARAM. RES. PARAM. RES. PARAM.
1489 IAEA CONF. ON NUCLEAR DATA. PARIS, PAPER CN-23/44 (1966) D.W. DRAHBAUGH, G. GIBSON (WESTINGHOUSE ASTRONUCLEAR) SINGLE LEVEL ANALYSIS INVOLVING A SIMULTANEOUS LEAST-SQUARE FIT (TRIPLE FIT) TO THE ORNL-RPI CAPTURE AND FISSION CROSS SECTION (REF. 1025) AND THE SACLAY TOTAL CROSS SECTION (REF. 963). PARAMETERS FOR RESONANCES AT 0.290, 1.135 AND 2.04 EV NOT FIT BUT TAKEN FROM BNL-325 (1965). NEGATIVE RESONANCE AT -1.45 EV INCLUDED TO IMPROVE FIT	92-U -235	-1.45-06 6.24-05	290	RES. PARAM.
1490 IAEA CONF. ON NUCLEAR DATA. PARIS, PAPER CN-23/104 (1966) S.H. KALEBIN, R.N. IVANOV, P.N. PALEY, Z.K. KORALLOVA, G.M. KUKAVADZE, Z.I. PYZHOVA, N.P. SHIBAEVA, G.V. RUKOLAINE (USSR) MECHANICAL CHOPPER	90-TH-230 90-TH-230 90-TH-230	2.17-08 5.00-05 2.00-08 5.00-05 1.10-06 4.75-05	221 2 21	TOTAL AV. RES. PARAM. RES. PARAM.
1491 IAEA CONF. ON NUCLEAR DATA. PARIS, PAPER CN-23/74 (1966) J.C. CARRE, R. VIDAL (FONTENAY-AUX-ROSES) PILE OSCILLATION TECHNIQUE. RELATIVE TO 2200 M/SEC CROSS SECTION OF 760 BARNs FOR B AND 98.9 BARNs FOR AU. AU RI = 1540 BARNs CEA-R-2485 (1964)	12-MG-NAT 13-AL-27 25-MN-55 26-FE-NAT 26-FE-NAT 27-CO-59 27-CO-59	2.53-08 2.53-08 2.53-08 2.53-08 5.50-07 1.50+01 2.53-08 2.53-08 5.50-07 1.50+01 2.53-08 2.53-08 5.50-07 1.50+01	1 1 1 1 1 1 2	ABSORP ABSORP ABSORP ABSORP ABSORP ABSORP RES. INT.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-225 ***

REF.NO.=1481

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1491

REF BIBLIOGRAPHY

1491

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
28-NI-NAT	5.50-07 1.50+01	1	ABSORP RES.INT.
29-CU-NAT	2.53-08 2.53-08	1	ABSORP
29-CU-NAT	5.50-07 1.50+01	1	ABSORP RES.INT.
40-ZR-NAT	2.53-08 2.53-08	1	ABSORP
40-ZR-NAT	5.50-07 1.50+01	1	ABSORP RES.INT.
42-MO-NAT	2.53-08 2.53-08	1	ABSORP
42-MO-NAT	5.50-07 1.50+01	1	ABSORP RES.INT.
47-AG-NAT	5.50-07 1.50+01	1	ABSORP RES.INT.
49-IN-NAT	5.50-07 1.50+01	1	ABSORP RES.INT.
55-CS-133	5.50-07 1.50+01	1	ABSORP RES.INT.
72-HF-NAT	5.50-07 1.50+01	1	ABSORP RES.INT.
90-TH-232	5.50-07 1.50+01	1	ABSORP RES.INT.

1492 IN-1012 (1956) T.WATANABE (IDAHO NUCLEAR)
MTR FAST CHOPPER. DATA OBTAINED BY PRIVATE COMMUNICATION FROM
THE AUTHOR

94-PU-241	6.69-09 9.67-08	161	N.F.ISS
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1493 NUCLEAR PHYS. 164, 34 (1971) F.B.SIMPSON, L.G.MILLER,
M.S.MOORE, R.W.HOCKENBURY, T.J.KIND (RP)
MEASUREMENT OF SCATTERING CROSS SECTIONS. AREA ANALYSIS.
WASH-1124 PAGE 54 (1968)
WASH-1071 PAGE 171 (1966)

92-U -233	6.40-07 3.60-04	300	ELASTIC
92-U -234	5.19-06 5.19-06	1	RES.PARAM.
92-U -235	6.50-07 9.45-05	216	ELASTIC
92-U -235	6.79-06 1.92-05	3	RES.PARAM.
92-U -238	6.67-06 6.62-05	3	RES.PARAM.
94-PU-239	2.65-06 2.43-04	266	ELASTIC
94-PU-239	7.82-06 1.19-04	23	RES.PARAM.

1494 WASH-1053 P.76 (1964) R.A.DEAL, R.P.SCHUMAN (PHILLIPS)
IRRADIATION IN ETR

95-AM-241	2.50-08 2.50-08	1	N.G SPECT.AV.
95-AM-241	5.00-07 1.50+01	1	N.G RES.INT.

1495 PHYS. REV. 100, 1315 (1955) S.E.DARDEN, R.B.PERKINS,
R.B.WALTON (WISCONSIN)
RING GEOMETRY, CORRECTED FOR MULTIPLE SCATTERING, DATA TAKEN
FROM
BNL-400 (1962)

22-TI-NAT	5.00-01 1.55+00	3	ELASTIC D(A)
26-Fe-NAT	1.55+00 1.55+00	1	ELASTIC D(A)
28-NI-NAT	1.00+00 1.55+00	3	ELASTIC D(A)
29-CU-NAT	5.00-01 1.55+00	2	ELASTIC D(A)
30-ZN-NAT	5.00-01 1.55+00	4	ELASTIC D(A)
40-ZR-NAT	5.00-01 1.55+00	3	ELASTIC D(A)
47-AG-NAT	5.00-01 1.55+00	4	ELASTIC D(A)
48-CD-NAT	5.00-01 1.55+00	3	ELASTIC D(A)
50-SN-NAT	5.00-01 1.55+00	4	ELASTIC D(A)
51-SB-NAT	5.00-01 1.55+00	3	ELASTIC D(A)
58-CE-NAT	5.00-01 1.55+00	3	ELASTIC D(A)
73-T4-NAT	5.00-01 1.55+00	3	ELASTIC D(A)
82-PB-NAT	1.00+00 1.55+00	3	ELASTIC D(A)
83-BI-209	5.00-01 1.55+00	3	ELASTIC D(A)
90-TH-232	5.00-01 1.55+00	3	ELASTIC D(A)

1496 INTERNATIONAL CONF. ON NUCLEAR PHYSICS, PARIS, 2, 744 (1964)
P.RIBON, H.DERRIEN, A.MICHAUDON, M.SANCHE (SACLAY)
TRANSMISSION MEASUREMENT. SEE REFERENCE 1487 FOR FINALIZED
RESONANCE PARAMETERS. RESOLUTION VARIED FROM 2 NSEC/M (LOW
ENERGY) DOWN TO 0.5 NSEC/M (HIGH ENERGY).

90-TH-232	0.	3.00-03	3	AV.RES.PARAM.
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1497 NUCLEAR SCIENCE AND ENGINEERING 40, 294 (1970) D.M.DRAKE,
J.C.HOPKINS, C.S.YOUNG, H.CONDE (LASL)

6-C -12	5.83+00 7.50+00	7	N,XO
6-C -12	5.83+00 7.50+00	34	N,XO D(A)

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-226 ***

REF.NO.=1497

07/04/76

EC51L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1497

REF BIBLIOGRAPHY

1497 NAI(TL) GAMMA-RAY SPECTROMETER

WASH-1124 PAGE 105 (1968) D.M.DRAKE, J.C.HOPKINS, H.CONDE,
C.S.YOUNG

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
8-O -16	7.50+00 7.50+00	11 N,XG	D(A)
13-AL-27	4.00+00 7.50+00	58 N,XG	D(A)
13-AL-27	6.00+00 7.50+00	124 N,XG	D(E,A)
14-SI-28	4.00+00 7.67+00	23 N,XG	
26-FE-NAT	6.00+00 7.50+00	3 N,XG	
26-FE-NAT	4.00+00 7.67+00	86 N,XG	D(A)
26-FE-NAT	4.00+00 7.67+00	215 N,XG	D(E,A)
28-NI-NAT	4.00+00 7.50+00	46 N,XG	D(E,A)
41-NB-93	6.00+00 7.50+00	8 N,XG	D(A)
41-NB-93	4.00+00 7.67+00	11 N,XG	
41-NB-93	4.00+00 7.67+00	202 N,XG	D(E,A)
74-W -NAT	4.00+00 7.50+00	48 N,XG	D(E,A)
94-PU-239	4.00+00 7.50+00	51 N,XG	D(E,A)

1498 IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/69 (1968)

D.PAYA, H.OERRIEN, A.FUBINI, A.MICHAUDON, P.RIBON (SACLAY)
TIME OF FLIGHT TECHNIQUE, SHAPE ANALYSIS, INCLUDING INTER-
FERENCE EFFECTS. RESOLUTION VARIED FROM 7 NSEC/M BELOW 25 EV
TO 2 NSEC/M ABOVE 20 EV.
PARIS-SUD, DRISAY, UNIVERSITY OF. THESIS (1972) D.PAYA
PHYS. REV. LETTERS 20, 1373 (1968)
EANDC(E)-127 PAGE 151 (1970)
CEA-1339N (1970)
EANDC(E)-150 PAGE 56 (1972)
THE FISSION DATA CORRESPONDING THE THESE DATA ARE GIVEN IN
REF. 3921.

93-NP-237	6.26-07 3.99-03	13769	TOTAL
93-NP-237	0. 4.00-05	3	AV.RES.PARAM.
93-NP-237	1.32-06 2.35-04	508	RES.PARAM.

1499 AERE-PR/NP-2 P.1 (1962) C.A.UTTLEY, R.H.JONES (AERE)

TRANSMISSION MEASUREMENT. AREA ANALYSIS. GAMMA-GAMMA TAKEN AS
0.030 EV WHEN NOT DETERMINED

90-TH-232	3.29-04 1.30-03	1	AV.RES.PARAM.
90-TH-232	3.29-04 1.30-03	90	RES.PARAM.

1500 NUCLEAR SCIENCE AND ENGINEERING 30, 39 (1967) J.A.GRUNDL

(LASL)
CROSS BETA-GAMMA COUNTING WITH METHANE FLOW COUNTERS.
REFERENCED TO U235 AND U238 FISSION CROSS SECTIONS (SEE
REFERENCE)

13-AL-27	2.44+00 1.41+01	12	N,P
13-AL-27	5.95+00 1.41+01	6	N,A
15-P -31	1.68+00 1.41+01	17	N,P
26-FE-56	3.95+00 1.41+01	9	N,P
92-U -235	2.18+00 8.07+00	14	N,F155
92-U -238	1.19+00 1.68+00	2	N,F155
93-NP-237	1.07+00 8.07+00	17	N,F155

1501 TRANS. AM. NUCLEAR SOC. 10, 555 (1967) G.G.SHERWOOD, J.S.KING

(U.MICHIGAN)
MEASUREMENT OF REACTOR LEAKAGE SPECTRA COMPARED
TO TRANSPORT THEORY CALCULATIONS

92-U -235	2.50-08 2.50-08	1	NUCLEAR TEMP.
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1502 IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/127(1965)

S.B.ERMAGAMBETOV, L.D.SMERENKINA, G.N.SMIRENKIN (USSR)
ELECTROSTATIC GENERATORS AND THE T(P,N) REACTION
YAO. FIZ. 5, 257 (1967)
ATOMNAYA ENERGIYA 23, 20 (1967)

90-TH-232	5.60-01 2.97+00	85	N,F155
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1503 ANL-4165 (1948) E.K.HYDE, R.J.BRUEHLMAN, W.M.MANNING (ANL)

ACTIVATION ANALYSIS. IRRADIATION IN HANFORD PILE. RELATIVE TO

90-TH-233	2.50-08 2.50-08	1	N,G SPECT.AV.
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REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-227 ***

REF.NO.=1503

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1503

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1503 PILE TH232 CAPTURE CROSS SECTION OF 6.8 BARNS

1504 J. NUCLEAR ENERGY 22, 73 (1968) P.H.WHITE, E.J.AXTON (AWRE)
EANDC(UK)-87AL (1967)
CNR/PR-8 (EANDC(UK)84AL) P.16 (1967)
ABSOLUTE MEASUREMENTS OF FISSION RATE AND NEUTRON OUTPUT

98-CF-252 -6.35+00-6.35+00 1 NU-PRMT

1505 TID-5157 (1953) M.WALT, H.H.BARSCHALL (U.WISCONSIN)
FOR DESCRIPTION OF EXPERIMENT SEE REFERENCE 103. CORRECTED
FOR MULTIPLE SCATTERING

92-U -NAT 1.00+00 1.00+00 9 ELASTIC DIA)

1506 HEALTH PHYS. 13, 654 (1967) P.F.RAGO, N.GOLDSTEIN (USNRDL)
FISSION FOIL DETECTOR METHOD. RELATIVE TO U238 FISSION CROSS
SECTION (SEE REFERENCE FOR VALUES)

90-TH-232 1.2+.01 1.80+01 16 N,FISS

1507 HEALTH PHYS. 14, 595 (1968) P.F.RAGO, N.GOLDSTEIN (USNRDL)
DATA OBTAINED VIA PRIVATE COMMUNICATION FROM P.F.RAGO (1967).
FISSION FOIL DETECTOR METHOD. RELATIVE TO U238 FISSION CROSS
SECTION (SEE REFERENCE FOR VALUES).

16-S -NAT 2.17+00 1.75+01 20 N,P

93-NP-237 1.25+01 1.75+01 11 N,FISS

1508 COO-1573-6 (1966) L.A.GALLOWAY, III, E.F.SHRADER (CASE INST.)
TRANSMISSION. DATA TRANSMITTED BY D.G.FOSTER (1967)

12-MG-NAT 1.99+00 1.00+01 347 TOTAL

13-AL-27 1.99+00 1.00+01 341 TOTAL

20-CA-NAT 1.99+00 1.00+01 347 TOTAL

23-V -NAT 1.99+00 1.00+01 345 TOTAL

26-FE-NAT 1.99+00 1.49+01 392 TOTAL

82-PB-NAT 1.99+00 1.00+01 339 TOTAL

1509 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANWERP, P/200 (1965)
L.YA.KASAKOVA, V.E.KOLESOV, V.I.POPOV, O.A.SAL'NIKOV,
V.M.SLUCHEVSKAYA, V.I.TRIKOVA (USSR)
CORRECTED FOR INELASTIC SCATTERING AND MULTIPLE SCATTERING

11-NA-23 2.00+00 2.00+00 1 ELASTIC

15-P -31 2.00+00 2.00+00 1 ELASTIC

17-CL-NAT 2.00+00 2.00+00 1 ELASTIC

22-TI-NAT 2.00+00 2.00+00 1 ELASTIC

24-CR-NAT 2.00+00 2.00+00 1 ELASTIC

25-MN-55 2.00+00 2.00+00 1 ELASTIC

26-FE-NAT 2.00+00 2.00+00 1 ELASTIC

28-NI-NAT 2.00+00 2.00+00 1 ELASTIC

29-CU-NAT 2.00+00 2.00+00 1 ELASTIC

30-ZN-NAT 2.00+00 2.00+00 1 ELASTIC

35-BR-NAT 2.00+00 2.00+00 1 ELASTIC

38-SR-NAT 2.00+00 2.00+00 1 ELASTIC

41-NB-93 2.00+00 2.00+00 1 ELASTIC

42-MO-NAT 2.00+00 2.00+00 1 ELASTIC

47-AG-NAT 2.00+00 2.00+00 1 ELASTIC

48-CO-NAT 2.00+00 2.00+00 1 ELASTIC

51-SB-NAT 2.00+00 2.00+00 1 ELASTIC

53-I -127 2.00+00 2.00+00 1 ELASTIC

56-BA-NAT 2.00+00 2.00+00 1 ELASTIC

73-TA-NAT 2.00+00 2.00+00 1 ELASTIC

74-W -NAT 2.00+00 2.00+00 1 ELASTIC

80-HG-NAT 2.00+00 2.00+00 1 ELASTIC

83-BI-209 2.00+00 2.00+00 1 ELASTIC

90-TH-232 2.00+00 2.00+00 1 ELASTIC

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-228 ***

REF.NO.=1509

07.04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1510

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1510 PRIVATE COMMUNICATION (1963) M.C.MOXON (AERE) VIA BNL SIGMA CENTER. MOXON-RAE DETECTOR	90-TH-232	5.50-03 1.48-01	98	N,G
1511 PRIVATE COMMUNICATION (1966) G.ZAGO VIA BNL SIGMA CENTER	90-TH-232	1.47+00 8.63+00	139	TOTAL
1512 PRIVATE COMMUNICATION (1964) R.W.STOUGHTON (ORNL) VIA BNL SIGMA CENTER. RECALCULATION OF RESULTS OF REFERENCE 1483. RELATIVE TO CO CAPTURE CROSS SECTION OF 37 BARNs AT 0.0253 EV	91-PA-233	2.50-08 2.50-08	1	N,G SPECT.AV.
1513 ANL-7110 P.15 (1965) A.B.SMITH (ANL) DATA RECEIVED VIA BNL SIGMA CENTER. SEE ALSO REFERENCE 1028	92-U -NAT	8.1.-01 1.49+00	35	TOTAL
1514 PRIVATE COMMUNICATION (1967) A.LANGSFORD (AERE) VIA ENEA CENTER, PARIS. AUTHOR SUGGESTS USERS COMBINE DATA POINTS BELOW 200 KEV BECAUSE OF POOR STATISTICS NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/158 (1965) A.LANGSFORD, P.H.BOWEN, G.C.COX, F.W.K.FIRK, D.B.MC CONNELL, B.ROSE, M.J.M.SALTMARSH FOR A DESCRIPTION OF THE EXPERIMENTAL SETUP	42-MO-98 92-U -235	1.79-01 1.20+02 1.90-01 1.27+02	1934 1934	TOTAL TOTAL
1515 PRIVATE COMMUNICATION (1966) J.F.WHALEN (ANL)	6-C -NAT	1.00-01 6.48-01	547	TOTAL
1516 PHYS. REV. 176, 1421 (1968) R.E.COTE, H.DIAMOND, J.E.GINDLER, H.LA SHWE (ANL) BULL. AM. PHYS. SOC. 13, 1421 (1968) WASH-1058 P.17 (1966) FAST CHOPPER. BEST RESOLUTION WAS ABOUT 35 NSEC/M. AREA AND SHAPE ANALYSIS. GAMMA-GAMMA TAKEN AS 0.024 EV WHEN NOT DETERMINED.	90-TH-230 90-TH-230	1.40-06 2.94-04 1.42-06 2.94-04	3 29	AV.P .PARAM. RES. RAM.
1517 J. INORG. NUCLEAR CHEM. 30, 2553 (1968) H.DIAMOND, J.J.HINES, R.K.SJOBLUM, R.F.BARNES, O.N.METZ, J.L.LERNER, P.R.FIELDS (ANL) BACK TO BACK ION CHAMBERS	94-PU-243 96-CM-245 96-CM-247 97-BK-250 99-ES-254 99-ES-254H	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1 1 1 1	N,FISS SPECT.AV. N,FISS SPECT.AV. N,FISS SPECT.AV. N,FISS SPECT.AV. N,FISS SPECT.AV. N,FISS SPECT.AV.
1518 YAD. FIZ. 5, 966 (1967) E.F.FOMUSHKIN, E.K.GUTNIKOVA, YU.S.ZAMYATIN, B.K.MASLENNIKOV, V.N.BELOV, V.M.SURIN, F.NASYROV, N.F.PASHKIN (USSR) GLASS PLATE FRAGMENT DETECTORS AND PULSE IONIZATION CHAMBERS	94-PU-238 94-PU-242 95-AM-241 95-AM-241 95-AM-243 95-AM-243 95-AM-243 96-CM-242 96-CM-244 96-CM-244	1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 2.00+00 2.00+00 1.45+01 1.45+01 2.00+00 2.00+00 1.45+01 1.45+01 1.45+01 1.45+01 2.00+00 2.00+00	1 1 2 1 2 1 1 2 2 2	N,FISS N,FISS N,FISS N,FISS SPECT.AV. N,FISS N,FISS SPECT.AV. N,FISS N,FISS N,FISS SPECT.AV.
1519 J. NUCLEAR ENERGY 7, 215 (1958) J.A.PHILLIPS (AERE) IRRADIATION IN THE BEPO REACTOR	90-TH-232	2.00+00 2.00+00	1	N,2N SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-229 ***

REF.NO.=1519

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1520

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
1520 ATOMNAYA ENERGIYA 8, 360 (1960) YU.A.ZYSIN, A.A.KOVRIZHNYKH, A.A.LBOV, L.I.SEL'CHENKOV (USSR) MEASUREMENT OF TH231 ACTIVITIES AND FISSION FRAGMENTS OF MO-99 AND BA-140	90-TH-232	1.47+01 1.47+01	1 N,2N
1521 NUCLEAR PHYS. 63, 173 (1965) A.F.LINEV, B.N.HARKOV, A.A.PLEVE, S.M.POLIKANOV (USSR) IRRADIATION AND DETECTION OF FISSION FRAGMENTS WITH GLASS DETECTORS	95-AM-243	1.40+01 1.40+01	1 N,2N
1522 WASH-1033 P-28 (1961) E.K.HULET, H.I.WEST, M.S.COOPS (LRL) REACTOR IRRADIATION, RELATIVE TO PU239	92-U -232 94-PU-236 94-PU-237 95-AM-2440	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 N,FISS SPECT.AV. 1 N,FISS SPECT.AV. 1 N,FISS SPECT.AV. 1 N,FISS SPECT.AV.
1523 IN-1080 (1967) J.FAST, E.F.ABER (IDAHO NUCLEAR) REACTIVITY MEASUREMENTS IN ARMF FACILITIES. WE HAVE OBTAINED ABSOLUTE VALUES HERE BY TAKING STA (U235) = 2.071. FURTHERMORE WE HAVE OBTAINED ALPHA BY TAKING NU = 2.871 AND 2.969 FOR PU239 AND PU241, RESPECTIVELY. THESE ABOVE NORMALIZATIONS ARE THOSE OF WESTCOTT ET AL. (ATOMIC ENERGY REVIEW 3,3(1965)) SEE ALSO REFERENCE 1077	94-PU-239 94-PU-239 94-PU-239 94-PU-241 94-PU-241 94-PU-241	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 ETA 1 ALPHA 1 ETA 1 ETA 1 ALPHA 1 ETA C/S RATIO C/S RATIO
1524 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., P/D-14(1968) J.R.SMITH, S.D.REEDER (IDAHO NUCLEAR) MANGANESE BATH TECHNIQUE. WE HAVE DETERMINED ALPHA BY ASSUMING NU(PU241)=2.969	94-PU-241 94-PU-241	2.53-08 6.00-08 2.53-08 6.00-08	2 ETA 2 ALPHA
1525 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., P/D-17(1968) M.NEVE DE MEVERONIES, P.OEL MARMOL (BELGIUM) IRRADIATION IN THE BRI REACTOR. PLASTIC FISSION TRUCK DETECTOR EANDC(E)-115U PAGE 191 (1968)	90-TH-232	2.50-08 2.50-08	1 N,FISS SPECT.AV.
1526 NUCLEAR PHYS. 102, 443 (1967) G.N.FLEROV, A.A.PLEVE, S.M.POLIKANOV, S.P.TRETYAKOVA, I.BOCA, M.SEZON, I.VILCOV, N.VILCOV (HUNGARY) FISSION FRAGMENT DETECTORS. SEE ALSO REFERENCE 196 REV. ROUM. PHYS. 13, 181 (1968) I.BOCA, N.MARTALOGU, M.SEZON, I.VILCOV, N.VILCOV, G.N.FLEROV, A.A.PLEVE, S.M.POLIKANOV, S.P.TRETYAKOVA NUCLEAR PHYS. 134, 541 (1969)	95-AM-241	3.00-01 6.80+00	9 N,0
1527 CEA-R-3124 (1967) C.THIBAUT (SACLAY) TRANSMISSION MEASUREMENT.	4-BE-9 13-AL-27 23-V -NAT 24-CR-52 27-CO-59 28-NI-58 31-GA-NAT 92-U -238	2.70+00 2.70+00 2.70+00 2.70+00 2.70+00 2.70+00 2.70+00 2.70+00 2.70+00 2.70+00 2.70+00 2.70+00 2.70+00 2.70+00 2.70+00 2.70+00	1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-230 ***

REF.NO.=1527

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1528

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
1528 PHYS. AND CHEM. OF FISSION. IAEA. SALZBURG, 1, 63 (1965) R.W.LAMPHREY (ORNL) MEASURED RELATIVE TO U235. PRIVATE COMMUNICATION (1968) WITH THE AUTHOR INDICATES THAT BECAUSE OF NORMALIZATION DIFFICUL- TIES, THESE SHOULD BE CONSIDERED AS RELATIVE VALUES. WE HAVE NORMALIZED THESE RESULTS TO 0.41 BARNS AT 2.5 MEV (NORMALI- ZATION FACTOR OF 1.44), AS GIVEN IN REFERENCE 635 ORNL-P-1082 (1965)	90-TH-230	6.75-01 2.93+00	41 N.FISS
1529 YAO. FIZ. S. 295 (1967) P.E.VOROTNIKOV, S.M.DUBROVINA, G.A.OTROSHCHENKO, V.A.SHIGIN (USSR) FISSION FRAGMENT DETECTION. THESE DATA HAVE APPARENTLY BEEN NORMALIZED IN THE REFERENCE TO THE RELATIVE DISTRIBUTION OF REFERENCE 1528 ABOVE 1 MEV. WE HAVE OBTAINED THE CROSS SECTION BY NORMALIZING TO THE RESULTS OF REFERENCE 635 AT 2.5 MEV (SEE COMMENTS FOR REFERENCE 1528). NORMALIZATION FACTOR OF 1.44. THE QUOTED ERRORS ARE ONLY THOSE FROM THE RELATIVE MEASUREMENT. THE TOTAL ERROR IS PROBABLY MUCH LARGER	90-TH-230	6.50-01 1.23+00	12 N.FISS
1530 PHYS. REV. 174, 1413 (1968) G.D.SAUTER, C.D.BOWMAN (LRL LIVERMORE) 4 P1 NEUTRON SOURCE TECHNIQUE. SIMULTANEOUS MULTILEVEL SHAPE ANALYSIS TO SCATTERING AND FISSION (PU241) OR CAPTURE (U233) DATA. G-GAMMA-N TAKEN FROM BNL-325 (1965) CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., P/D-10(1968)	92-U -233 92-U -233 92-U -235 94-PU-241 94-PU-241 94-PU-241	1.02-06 3.12-05 1.59-06 3.07-05 1.03-06 2.99-05 3.04-06 3.27-05 4.30-06 3.09-05 4.27-06 3.09-05	192 ELASTIC 70 RES.PARAM. 234 ELASTIC 302 ELASTIC 2 AV.RES.PARAM. 120 RES.PARAM.
1531 GA-9057 (1968) A.D.CARLSON (OGA) TIME OF FLIGHT, LARGE LIQUID SCINTILLATOR. RESONANCE PARAME- TERS OBTAINED FROM COMBINED CAPTURE AND SELF INDICATION MEAS- UREMENTS. BULL. AM. PHYS. SOC. 12, 1124 (1967) A.D.CARLSON, W.M. LOPEZ, S.J.FRIESENHAHN, F.H.FROHNER WASH-1078 PAGE 54 (1967) WASH-1124 PAGE 42 (1968) NUCLEAR PHYS. 141, 577 (1970) A.D.CARLSON, S.J.FRIESENHAHN, W.M. LOPEZ, M.P.FRICKE	92-U -236 92-U -236 92-U -236	1.07-08 1.60-02 0. 2.00-02 -9.70-06 9.96-04	57 N.O 6 AV.RES.PARAM. 75 RES.PARAM.
1533 NUCLEAR SCIENCE AND ENGINEERING 36, 202 (1969) C.F.MASTERS, M.M.THORPE, D.B.SMITH (LASL) MODULATED NEUTRON SOURCE IN ANTISYNCHRONISM WITH A LONG COUNTER TRANS. AM. NUCLEAR SOC. 11, 179 (1968)	90-TH-232 92-U -233 92-U -235 92-U -238 94-PU-239	3.10+00 1.49+01 3.10+00 1.49+01 3.10+00 1.49+01 3.10+00 1.49+01 3.10+00 1.49+01	2 NU-DLAY 2 NU-DLAY 2 NU-DLAY 2 NU-DLAY 2 NU-DLAY
1534 J. NUCLEAR ENERGY 22, 299 (1968) H.KOLAR, K.H. BOCKHOFF (BELGIUM) TRANSMISSION MEASUREMENT. AREA ANALYSIS. SEE ALSO CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., P/D-7 (1968) EANDC(E)-B6AL (1968)	94-PU-240 94-PU-240	2.00-05 1.50-03 2.04-05 5.69-03	3 AV.RES.PARAM. 526 RES.PARAM.
1535 J. NUCLEAR ENERGY 22, 317 (1968) H.WEIMANN, H.SCHMID (BELGIUM)	94-PU-240 94-PU-240	3.80-05 3.18-04 3.83-05 8.20-04	1 AV.RES.PARAM. 50 RES.PARAM.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
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*** 3-231 ***

REF.NO.=1535

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1535 TIME OF FLIGHT TECHNIQUE. AREA ANALYSIS. SEE ALSO

EANDC(E)-B7AL (1968)
CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., P/D-9 (1968)
H.WEIGMANN, J.WINTER, H.SCHMID

1536 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., P/D-6 (1968)
M.G.CAO, E.MIGNECO, J.P.THEOBALD, J.A.WARTENA (BELGIUM)
BIO LOADED LIQUID SCINTILLATION DETECTOR. TIME OF FLIGHT
TECHNIQUE. CORRECTED FOR MULTIPLE SCATTERING AND SELF ABSORP-
TION. AREA ANALYSIS

94-PU-240 2.04-05 2.67-04 14 RES.PARAM.

1537 NUCLEAR PHYS. 112, 603 (1968)
E.MIGNECO, J.P.THEOBALD (BELGIUM)
FISSION NEUTRON LIQUID SCINTILLATION DETECTOR. TIME OF FLIGHT
TECHNIQUE. AREA ANALYSIS. CORRECTING FOR SELF SCREENING AND
MULTIPLE SCATTERING. GAMMA, N TAKEN FROM REFERENCE 1534.
GAMMA-GAMMA TAKEN AS 0.0232 EV
CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., P/D-6 (1968)

94-PU-240 2.0-04 7.96-03 1799 N.FISS
94-PU-240 4.50-04 4.00-03 1 AV.RES.PARAM.
94-PU-240 7.50-04 3.39-03 34 RES.PARAM.

1538 NUCLEAR SCIENCE AND ENGINEERING 16, 124 (1963)
I.ASPUND-NILSSON, H.CONDE, N.STARFELT (SWEDEN)
LARGE LIQUID SCINTILLATOR

98-CF-252 -6.35+00-6.35+00 1 NU-PRMT

1539 IN-064 P.5 (1967) F.L.LISMAN, W.J.MAECK, F.W.SPRAKTES
(IDAHO NUCLEAR)
IRRADIATED IN MTR. MASS SPECTROMETRY ANALYSIS

92-U -235 2.53-08 2.53-08 1 ALPHA
92-U -235 2.50-08 2.50-08 1 ALPHA SPECT.AV.

1540 J. EXPTL. THEORET. PHYS. (USSR) 37, 4) (1959) E.I.KORNEEV,
V.S.SKOBKIN, G.N.FLEROV (USSR)
MULTILAYERED IONIZATION CHAMBER

90-TH-232 2.50-08 2.50-08 1 N.FISS SPECT.AV.

1541 ATOMNAYA ENERGIYA 20, 431 (1966) YU.YA.STAVISSKII ET AL.
(USSR)
SPHERE TRANSMISSION TECHNIQUE

29-CU-NAT 2.40-02 2.40-02 1 ABSORP
42-MO-NAT 2.40-02 2.40-02 1 ABSORP
49-IN-NAT 2.40-02 2.40-02 1 ABSORP
90-TH-232 2.40-02 2.40-02 1 ABSORP
92-U -238 2.40-02 2.40-02 1 ABSORP

1542 ATOMNAYA ENERGIYA 20, 153 (1966) M.BUCZKO (HUNGARY)
ACTIVATION ANALYSIS. MEASURED RATIO OF TOTAL YIELDS (14.7 TO
3 MEV) AND UTILIZED AVERAGE OF OTHER EXPERIMENTERS 3 MEV
RESULTS TO OBTAIN 14.7 MEV TOTAL YIELD

92-U -238 1.47+01 1.47+01 1 NU-DLAY

1543 J. NUCLEAR ENERGY 22, 63 (1968) J.W.BOLDEMAN (AUSTRALIA)
LARGE LIQUID SCINTILLATION RELATIVE TO NU(CF252)=3.784

94-PU-240 -6.68+00-6.68+00 1 NU-PRMT
94-PU-242 -6.36+00-6.36+00 1 NU-PRMT

1544 J. NUCLEAR ENERGY 22, 211 (1968)
M.G.CAO, E.MIGNECO, J.P.THEOBALD, J.A.WARTENA, J.WINTER
SIMULTANEOUS USE OF FISSION FRAGMENT AND FISSION NEUTRON
DETECTOR. TIME OF FLIGHT TECHNIQUE. SINGLE LEVEL SHAPE
ANALYSIS NEGLECTING RESIDUAL FISSION BETWEEN THE RESONANCES.
GAMMA TOTAL AND GAMMA, N TAKEN FROM MICHAUDON (SEE REFERENCE
1017 AND 1035).

92-U -235 5.99-06 3.00-03 9763 N.FISS
92-U -235 6.00-06 1.50-04 7 AV.RES.PARAM.
92-U -235 6.39-06 1.47-04 312 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-232 ***

REF. NO. = 1544

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1544

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1544 CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., P/D-3 (1968)

1545 LA-511 (1946) M.DEUTSCH, M.KAHN, J.A.MISKEL (LASL)
ACTIVATION ANALYSIS

92-U -235 2.50-08 2.50-08 1 ALPHA SPECT.AV.

1546 NUCLEAR PHYS. 118, 321 (1968) E.BARNARD, J.A.M. DE VILLIERS,
C.A. ENGELBRECHT, D. PEITMANN, A.B. SMITH (ANL)
ESTIMATED TIME RESOLUTIONS 1/2 NSEC/METER. ESTIMATED ENERGY
CALIBRATION ERROR LESS THAN 5 KEV. REPLACES DATA ORIGINALLY
ENTERED UNDER REFERENCE 885. CROSS SECTION UNCERTAINTY ESTI-
MATED LESS THAN 5 PERCENT. TARGET NATURAL IRON. TRANSMISSIONS
0.6 OR GREATER. DELTA-ENERGY IS RELATIVE ENERGY ACCURACY.
ABSOLUTE DELTA-ENERGY IS 5 KEV. NOT CORRECTED FOR MULTIPLE
SCATTERING OR FLUX ATTENUATION.
PEL-180 (1958)26-FE-NAT 3.32-01 1.48+00 1469 TOTAL
26-FE-NAT 3.18-01 1.46+00 95 ELASTIC
26-FE-NAT 9.40-01 1.18+00 188 ELASTIC D(A)
26-FE-NAT 9.37-01 1.50+00 276 N,N' D(A)
26-FE-NAT 3.18-01 1.46+00 95 ELASTIC A1-A2
26-FE-56 1.12+00 1.50+00 26 N,N'1547 NUCLEAR SCIENCE AND ENGINEERING 33, 24 (1968) H.O. MENLOVE,
W.P. POENITZ (KARLSRUHE)
TIME OF FLIGHT TECHNIQUE. LARGE LIQUID SCINTILLATOR. ABSOLUTE
MEASUREMENT MADE AT 30 KEV
FAST REACTOR PHYSICS, KARLSRUHE, 1, 67 (1967)
EURFNR-404 (1967) W.P. POENITZ, D. KOMPE, H.O. MENLOVE,
K.H. BECKURTS
EANDC(E)-80AL (0000)
IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/10 (1966)
FOR EARLIER DATA WHICH IS NOW SUPERCEDED41-NB-93 1.08-02 1.58-01 71 N.O
42-MO-NAT 1.20-02 1.66-01 68 N.O
46-PO-NAT 1.17-02 1.61-01 71 N.O
47-AG-NAT 1.29-02 1.52-01 55 N.O
48-CO-NAT 1.19-02 1.58-01 70 N.O
49-IN-NAT 1.25-02 1.58-01 68 N.O
55-CS-133 1.27-02 1.69-01 72 N.O
72-HF-NAT 1.22-02 1.51-01 68 N.O
73-TA-NAT 1.32-02 1.57-01 68 N.O
74-W-NAT 1.22-02 1.53-01 69 N.O
75-RE-NAT 1.17-02 1.58-01 72 N.O
79-AU-197 1.03-02 1.61-01 72 N.O
92-U -238 2.44-02 5.03-01 9 N.O1548 J. NUCLEAR SCIENCE AND TECHNOLOGY 2, 532 (1965) T. YASUNO
(JAPAN)
CD RATIO MEASUREMENT RELATIVE TO AU CAPTURE R1 =
1535 BARNS ABOVE 0.5 EV

92-U -233 5.00-07 1.50+01 1 N.FISS RES.INT.

1549 ANL-7564 (1969) A.B. SMITH, J.F. WHALEN, K. TAKEUCHI (ANL)
MONO-ENERGETIC TECHNIQUE BELOW 500 KEV. CALIBRATION LIP-NIBE
THRESHOLD. TIME OF FLIGHT ABOVE 500 KEV. CALIBRATION AGAINST
VELOCITY OF LIGHT AND EXP. PARAMETERS. RESOLUTION 1-1.5
NSEC/M. ESTIMATED UNCERTAINTY IN CALIBRATION, 5 KEV. DELTA-E
IN TABULATION IS ENERGY EQUIVALENT OF RESOLUTION, TAKEN TO BE
1.5 NSEC/M
PHYS. REV. C, 1, 581 (1970)23-V -NAT 1.00-01 1.44+00 1202 TOTAL
23-V -NAT 3.26-01 1.46+00 221 ELASTIC
23-V -NAT 6.50-01 1.50+00 169 N,N'
23-V -NAT 3.26-01 1.46+00 884 ELASTIC LEGEND.COEF1550 ACR-R-5224 (1967) K.M. DIMENT (HARNELL)
TRANSMISSION MEASUREMENTS WITH THREE SAMPLE THICKNESSES.
SELECTION OF THICKNESS FOR TOTAL CROSS SECTION MADE BY
AUTHOR. MEASUREMENTS MADE FROM 75 EV TO 10 MEV. CORRECTIONS
MADE FOR TARGET IMPURITIES (B-11, C AND Si). SCATTERING CROSS
SECTIONS MEASURED BY MOORING AND MONAHAN WERE SUBTRACTED FROM
AVERAGES OF THESE MEASUREMENTS TO OBTAIN AN ABSORPTION CROSS
SECTION FROM WHICH AN (N,ALPHA GAMMA) CROSS SECTION WAS

5-B -10 7.49-05 2.98-02 2537 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-233 ***

REF. NO. = 1550

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1550 DERIVED. SEE REPORT FOR ASSUMPTIONS. THIS REPORT SHOULD BE USED WHEN CONSIDERING RE-EVALUATION OF B-10 CROSS SECTIONS. DATA RECEIVED FROM ENEA CENTER, PARIS

1551 PRIVATE COMMUNICATION (1966) K.TSUKADA (JAERI)
D-D NEUTRONS, RELATIVE TO HYDROGEN IN POLYETHYLENE. SEE ALSO EANDC(J)-3L (1966)
VIA ENEA CENTER, PARIS

16-S -NAT	4.48+00	7.79+00	52 ELASTIC D(A)
16-S -32	5.92+00	7.99+00	52 N,N' D(A)
16-S -32	4.48+00	7.99+00	68 N,N' D(A)
25-NI-64	2.01+00	3.26+00	36 N,N' D(A)
30-ZN-NAT	4.48+00	7.99+00	52 ELASTIC D(A)
30-ZN-NAT	5.92+00	7.99+00	36 N,N' D(A)
30-ZN-NAT	4.48+00	5.92+00	51 N,N' D(A)
74-W -NAT	1.3 +00	2.01+00	24 ELASTIC D(A)
74-W -NAT	1.37+00	2.01+00	38 N,N' D(A)

1552 IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/9 (1966)
G.ROHR, E.FRIEDLAND, J.NEBE (KFK, KARLSRUHE)
HIGH RESOLUTION TRANSMISSION MEASUREMENTS WITH PULSED VAN DE GRAFF USING LI(P,N) NEUTRONS. BORON SLAB DETECTOR BELOW 50 KEV ABOVE 50 KEV USED PROTON RECOIL DETECTOR. RESOLUTION WAS 0.6 NSEC/M AT 60 KEV.
NUCLEAR PHYS. 104, 1 (1967)

23-V -NAT	2.00-02	2.20-01	1375 TOTAL
23-V -S1	2.16-02	1.52-01	42 RES.PARAM.
25-MN-55	4.79-02	2.57-01	957 TOTAL
25-MN-55	5.34-02	2.07-01	84 RES.PARAM.
26-FE-NAT	5.40-02	2.60-01	852 TOTAL
26-FE-56	7.40-02	2.42-01	19 RES.PARAM.
26-FE-57	2.42-02	2.57-01	1244 TOTAL

1553 IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/20 (1966)
J.BRUNNER, F.WIDDER (PIRIH, SWITZ.)
TRANSMISSION MEASUREMENTS USING THE EIR CHOPPER WITH DIORIT REACTOR FOR NEUTRON SOURCE. TRANSMISSIONS MEASURED FOR SEVERAL THICKNESSES. AUTHORS SELECTED CROSS SECTIONS. RESONANCE PARAMETERS CALCULATED USING CODES OF ATTA AND HARVEY. AREA AND SHAPE ANALYSIS. RESOLUTION WAS 500 NSEC/M.

66-DY-NAT	1.52-08	2.51-06	347 TOTAL
66-DY-163	1.71-06	1.71-06	3 RES.PARAM.
71-LU-NAT	1.00-08	9.25-06	387 TOTAL
71-LU-175	2.57-06	2.57-06	3 RES.PARAM.
71-LU-176	1.41-07	1.56-06	6 RES.PARAM.
77-IR-NAT	1.02-08	1.76-05	153 TOTAL
77-IR-191	6.55-07	6.55-07	3 RES.PARAM.
77-IR-193	1.30-06	1.30-06	3 RES.PARAM.

1554 EANDC(E)-65U PAGE 114 (1966) U.FASOLI, D.TONIOLO, G.ZAGO (PADOVA)
TIME OF FLIGHT, CORRECTED FOR FLUX ATTENUATION AND MULTIPLE SCATTERING USING LA-2177 METHOD. ABSOLUTE VALUES OBTAINED BY COMPARISON WITH HYDROGEN (IN POLYETHYLENE) TOTAL CROSS SECTION

14-SI-NAT	2.83+00	3.83+00	9 N,N'
14-SI-NAT	2.32+00	3.83+00	11 ELASTIC D(A)

1555 COMPT. REND. 261.3582 (1965) B.CHAMBDN, R.BILLEREY, H.R.SALIN, M.J.DEPRAZ (U. OF LYON, FRANCE)
ALPHAS DETECTED BY SOLID STATE SILICON JUNCTION DETECTORS FABRICATED BY THE AUTHORS. DISCRIMINATION AGAINST ALPHAS FROM SI(29,ALPHA) BY ENERGY SELECTION. METHOD IS DISCUSSED IN THE REFERENCE. DATA ARE VIA ENEA CENTER, PARIS

16-S -32	3.20+00	3.20+00	13 N,A D(A)
16-S -32	2.50+00	2.90+00	26 N,A D(A)

1556 HELV. PHYS. ACTA 39, 214 (1966) G.A.GRIN, C.JOSEPH, J.C.ALDER, B.VAUCHER, J.F.LOUDE (UNIV.LAUSANNE)
TIME OF FLIGHT IN COINCIDENCE WITH ORGANIC SCINTILLATOR. EXPERIMENT DISCUSSED IN REFERENCE. DATA VIA ENEA CENTER, PARIS

6-C -NAT	1.41+01	1.41+01	8 ELASTIC D(A)
6-C -12	1.41+01	1.41+01	1 N,N'
6-C -12	1.41+01	1.41+01	36 N,N' D(A)

1557 PHYS. REV. 152, 1084 (1966) D.W.HAFEMEISTER, E.B.SHERA (LASL)
GE(LI) DETECTOR. VALUES ARE GIVEN AS INTENSITY PER 1000

66-DY-164	2.50-08	2.50-08	15 N,XG D(E)
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REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

07/04/76

EC51L-7600 BIBLIOGRAPHY (REF. NO. OK.CRED)

REF.NO.=1557

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1557 CAPTURES

- 1558 PHYS. REV. 146, 844 (1966) A.I.NAMENSON, H.E.JACSON,
R.K.SMITHER (IANL)
GE(LI) DETECTOR. VALUES ARE GIVEN AS INTENSITY IN UNITS OF
PERCENT PER CAPTURE
72-Hf-177 2.50-08 2.50-08 25 N.X0 D(E)
72-Hf-178 2.50-08 2.50-08 1 N.X0 D(E)
72-Hf-179 2.50-08 2.50-08 13 N.X0 D(E)
- 1559 PHYS. REV. 130, 894 (1966) E.B.SHERA, D.W.HAFEMEISTER (LASL)
GE(LI) DETECTOR. VALUES ARE GIVEN AS INTENSITY PER 1000
CAPTURES
27-CO-59 2.50-08 2.50-08 91 N.X0 D(E)
- 1560 PHYS. REV. 143, 857 (1966) R.K.SHELINE, C.E.WATSON,
B.P.MAIER, U.GRUBER, R.H.KICH, O.W.B.SCHULT, H.T.MOTZ,
E.T.JURNEY, G.L.STRUBLE, T.V.EDDY
TH.ELZE, E.BIEBER (LASL)
GE(LI) DETECTOR. VALUES ARE GIVEN AS INTENSITY PER 1000
CAPTURES
69-TM-169 2.50-08 2.50-08 13 N.X0 D(E)
- 1561 PHYS. REV. 151, 1011 (1966) R.K.SHELINE, W.N.SHELTON,
T.UDAGAWA, E.T.JURNEY, H.T.MOTZ (LASL)
GE(LI) DETECTOR. VALUES ARE GIVEN AS INTENSITY PER 1000
CAPTURES
92-U-238 2.50-08 2.50-08 56 N.X0 D(E)
- 1562 EANDC(E)-570 PAGE 163 (1965) G.AMBROSINO, A.SORRiaux (SACLAY)
TRANSMISSION
COMPT. REND. 260, 3045 (1965)
CEA-2399 (1964)
1-H -1 2.77+00 2.77+00 1 TOTAL
6-C -NAT 2.60+00 2.85+00 9 TOTAL
9-F -19 2.60+00 2.85+00 9 TOTAL
13-AL -27 2.77+00 2.77+00 1 TOTAL
23-V -NAT 2.62+00 2.83+00 7 TOTAL
- 1563 NUCLEAR PHYS. 41, 401 (1963) J.P.SCANLON, G.H.STAFFORD,
J.J.THRESHER, P.H.BOWEN, A.LANGSFORD (AERE)
NEUTRON TIME OF FLIGHT FOR ANGLES BETWEEN 7 AND 122 DEGREES.
BETWEEN 78 AND 173 DEGREES, RECOIL PROTONS WERE OBSERVED
NUCLEAR FORCES AND THE FEW-NUCLEON PROBLEM. LONDON, 1, 99 (1960)
P.H.BOWEN, G.C.COX, G.B.HUKTABLE, A.LANGSFORD, J.P.SCANLON,
G.H.STAFFORD, J.J.THRESHER
1-H -1 3.75+01 1.20+02 12 ELASTIC
1-H -1 2.25+01 1.20+02 294 ELASTIC DIA
- 1564 CONF. ON LOW AND MEDIUM EN. NUCL. PHYS. MANCHESTER (1963)
S.A.P.WYNCHANK, S.A.COX (OXFORD)
NEUTRON LIFETIME IN WATER. NO PROCEEDINGS OF THIS CONF.
WERE PUBLISHED. THIS REFERENCE WAS OBTAINED FROM THE NNCS
DATA TAP. A GENERAL REVIEW OF THE CONF. WHICH DOES NOT
MENTION THIS EXPERIMENT WAS PUBLISHED IN
BRITISH J. APPLIED PHYS. 14, 627 (1963)
1-H -1 2.50-08 2.50-08 1 ABSORP SPECT.AV.
- 1565 PROC. PHYS. SOC. (LONDON) B5, 79 (1965) M.J.HARRIS, R.E.KAY
(U.MANCHESTER)
HARMONIC ANALYSIS OF THERMALIZATION OF 14.1 MEV NEUTRONS IN
WATER
1-H -1 2.53-08 2.53-08 1 ABSORP
- 1566 PHYS. REV. 123, 1950 (1961) J.H.ATKINSON, W.N.HESS,
V.PERCEZ-MENDEZ, R.WALLACE (LRL BERKELEY)
1-H -1 5.00+03 5.00+03 1 TOTAL
6-C -NAT 5.00+03 5.00+03 1 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-235 ***

REF.NO.=1566

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1555

REF BIBLIOGRAPHY

1566 TRANSMISSIONS IN GOOD AND POOR GEOMETRY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
13-AL-27	5.00+03 5.00+03	1	TOTAL
13-AL-27	5.00+03 5.00+03	1	NONELAS
29-CU-NAT	5.00+03 5.00+03	1	TOTAL
29-CU-NAT	5.00+03 5.00+03	1	NONELAS
50-SN-NAT	5.00+03 5.00+03	1	TOTAL
63-ND-NAT	5.00+03 5.00+03	1	NONELAS
82-PB-NAT	5.00+03 5.00+03	1	TOTAL
82-PB-NAT	5.00+03 5.00+03	1	NONELAS

1567 PHYS. REV. 128, 1268 (1962) E.R.FLYNN, P.J.BENDT (LASL)
BUBBLE CHAMBER
LADC-5092 (1962)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1-H -1	2.25+01 2.25+01	12	ELASTIC D(A)

1568 PHYS. REV. 75, 351 (1949) J.HADLEY, E.KELLY, C.E.LEITH,
E.SEGRE, C.WIEGAND, H.YORK (LBL BERKELEY)
COUNTER TELESCOPE USED THREE PROPORTIONAL COUNTERS WITH
ALUMINUM ABSORBER FOR DISCRIMINATION AGAINST PROTONS. VALUES
RENORMALIZED BY HESS IN
REV. MOD. PHYS. 30, 368 (1958)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1-H -1	4.20+01 9.00+01	32	ELASTIC D(A)

1569 PHYS. REV. 96, 1310 (1954) R.H.STAHL, N.F.RAMSEY (HARVARD)
LIQUID HYDROGEN SCATTERER. COUNTED RECOIL PROTONS

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1-H -1	9.10+01 9.10+01	25	ELASTIC D(A)

1570 J. EXPTL. THEORET. PHYS. (USSR) 31, 169 (1956)
YU.M.KAZARINOV, YU.N.SIMINOV (DUBNA, USSR)
DETECTED RECOIL PROTONS FOR PARAFFIN. NORMALIZED TO TOTAL
ELASTIC CROSS SECTION VALUE OF 26 MILLIBARNS OBTAINED FROM
SUBTRACTING MESON PRODUCTION CROSS SECTION OF 10 MB FROM
TOTAL CROSS SECTION REPORTED IN
J. EXPTL. THEORET. PHYS. (USSR) 29, 389 (1955)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1-H -1	5.80+02 5.80+02	15	ELASTIC D(A)

1571 J. EXPTL. THEORET. PHYS. (USSR) 36, 735 (1959) B.M.GOLOVIN,
V.P.DZHELPOV, YU.V.KATYSHEV, A.D.KONIN, S.V.MEDVED' (DUBNA)
DETECTED NEUTRONS FROM POLYETHYLENE AND GRAPHITE RING
SCATTERERS. NORMALIZED AT 35 DEGREES TO VALUE REPORTED IN
REFERENCE 1570 WHICH HAD IN TURN NORMALIZED TO EARLIER VALUES

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1-H -1	5.90+02 5.90+02	4	ELASTIC D(A)

1572 DOKLADY AKA. NAUK S.S.S.R. 99, 939 (1954) V.P.DZHELPOV,
YU.M.KAZARINOV (DUBNA, USSR)
DETECTED RECOIL PROTONS FROM PARAFFIN AND GRAPHITE

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1-H -1	3.80+02 3.80+02	14	ELASTIC D(A)

1573 LANCET(E)-660 PAGE 52 (1956) B.BROEGER (KIEL)
MEASURED IN COMPOUNDS AND CORRECTED FOR HEAVY CONSTITUENTS

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1-H -1	2.25+08 5.40+07	393	TOTAL

1574 NUCLEAR PHYS. 92, 233 (1967) J.TUDORIC-OMENO (ZAGREB)
MEASURED DEUTERONS WITH COUNTER TELESCOPE. INTEGRATED RESULT-
ING ENERGY DISTRIBUTION

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1-H -1	1.44+01 1.44+01	1	N.D

1575 NUCLEAR PHYS. 83, 153 (1966) D.C.GROCE, B.D.SOMERBY
(CANBERRA)
GOOD GEOMETRY TRANSMISSION WITH GASEOUS SAMPLES

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1-H -1	1.95+01 2.79+01	3	TOTAL

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-235 ***

REF.NO.=1575

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1576

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
1576 PHYS. LETTERS 24, 173 (1967) A.SUHAM1, R.H.FOX (TECHNION) NE213 LIQUID SCINTILLATOR TARGET. MEASURED ENERGY SPECTRUM OF SCATTERED NEUTRONS	1-H -1	1.42+01 1.42+01	15 ELASTIC D(A)
1577 PROC. PHYS. SOC. (LONDON) 69, 760 (1956) D.H.FRY (HARWELL) RECOIL PROTON TRACKS STEREOSCOPICALLY PHOTOGRAPHED IN A CLOUD CHAMBER	1-H -1	1.30+02 1.30+02	14 ELASTIC D(A)
1578 PROC. PHYS. SOC. (LONDON) 71, 305 (1958) T.C.GRIFFITH, A.P.BANFORD, M.Y.UPPAL, W.S.C.WILLIAMS (UNIV.LONDON) DETECTED RECOIL PROTONS IN PHOTOGRAPHIC EMULSIONS	1-H -1	9.60+01 1.37+02	16 ELASTIC D(A)
1579 PHYS. REV. 105, 939 (1957) Y.C.CHUNG, W.M.POWELL (LRL BERKELEY) CLOUD CHAMBER. VALUES SUBSEQUENTLY RENORMALIZED BY HESS IN REV. MOD. PHYS. 30, 368 (1958)	1-H -1	9.00+01 9.00+01	18 ELASTIC D(A)
1580 PHYS. REV. 120, 2201 (1960) R.K.HOBBS, D.MILLER (HARVARD) LIQUID HYDROGEN TARGET. RANGE TELESCOPE DETECTED RECOIL PROTONS	1-H -1	1.28+02 1.28+02	10 ELASTIC D(A)
1581 PHYS. REV. 142, 584 (1966) D.F.MEASDAY (HARVARD) LIQUID HYDROGEN TARGET. PROTON RECOILS DETECTED BY PLASTIC SCINTILLATOR TELESCOPE IN COINCIDENCE WITH NaI CRYSTAL	1-H -1	1.29+02 1.50+02	31 ELASTIC D(A)
1582 PHYS. REV. 79, 96 (1950) E.KELLY, C.E.LEITH, E.SEGRE, C.WIEGAND (LRL BERKELEY) POLYETHYLENE. SCATTERER CORRECTED FOR CARBON. COUNTED RECOIL PROTONS	1-H -1	2.60+02 2.60+02	15 ELASTIC D(A)
1583 PHYS. REV. 81, 493 (1951) R.WALLACE (LRL BERKELEY) DETECTED RECOIL PROTONS WITH PHOTOGRAPHIC EMULSIONS. VALUES SUBSEQUENTLY RENORMALIZED BY HESS IN REV. MOD. PHYS. 30, 368 (1958)	1-H -1	9.00+01 9.00+01	9 ELASTIC D(A)
1584 PHYS. REV. 81, 527 (1951) C.G.SHULL, E.O.WOLLAN (ORNL) POWDER DIFFRACTION TECHNIQUE USING DOUBLE CRYSTAL NEUTRON DIFFRACTION SPECTROMETERS	1-H -1 1-H -1 1-H -2 1-H -2 3-L1-NAT 3-L1-7 3-L1-7 4-BE-8 4-BE-9 6-C -NAT 6-C -NAT 7-N -NAT 7-N -NAT 8-O -NAT 8-O -NAT 9-F -19 9-F -19	7.30-08 7.30-08	1 BOUND 1 COHERT 1 BOUND 1 COHERT 1 COHERT 1 BOUND 1 COHERT 1 BOUND 1 COHERT 1 BOUND 1 COHERT 1 BOUND 1 COHERT 1 BOUND 1 COHERT 1 BOUND 1 COHERT

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-237 ***

REF.NO.=1584

REF BIBLIOGRAPHY

TARJET EN. RANGE (MEV) PTS DESCRIPTION

1584

11	NA-23	7.30-08	7.30-08	1	BOUND
11	NA-23	7.30-08	7.30-08	1	COHERT
12	MG-NAT	7.30-08	7.30-08	1	BOUND
12	MG-NAT	7.30-08	7.30-08	1	COHERT
13	AL-27	7.30-08	7.30-08	1	BOUND
13	AL-27	7.30-08	7.30-08	1	COHERT
16	S-NAT	7.30-08	7.30-08	1	BOUND
16	S-NAT	7.30-08	7.30-08	1	COHERT
17	CL-NAT	7.30-08	7.30-08	1	BOUND
17	CL-NAT	7.30-08	7.30-08	1	COHERT
19	K-NAT	7.30-08	7.30-08	1	BOUND
19	K-NAT	7.30-08	7.30-08	1	COHERT
20	CA-NAT	7.30-08	7.30-08	1	BOUND
20	CA-NAT	7.30-08	7.30-08	1	COHERT
20	CA-44	7.30-08	7.30-08	1	BOUND
22	T1-NAT	7.30-08	7.30-08	1	BOUND
22	T1-NAT	7.30-08	7.30-08	1	COHERT
23	V-NAT	7.30-08	7.30-08	1	BOUND
24	CR-NAT	7.30-08	7.30-08	1	BOUND
24	CR-NAT	7.30-08	7.30-08	1	COHERT
25	MN-55	7.30-08	7.30-08	1	BOUND
25	MN-55	7.30-08	7.30-08	1	COHERT
26	FE-NAT	7.30-08	7.30-08	1	BOUND
26	FE-NAT	7.30-08	7.30-08	1	COHERT
26	FE-54	7.30-08	7.30-08	1	BOUND
26	FE-54	7.30-08	7.30-08	1	COHERT
26	FE-56	7.30-08	7.30-08	1	BOUND
26	FE-56	7.30-08	7.30-08	1	COHERT
26	FE-57	7.30-08	7.30-08	1	BOUND
26	FE-57	7.30-08	7.30-08	1	COHERT
27	CO-59	7.30-08	7.30-08	1	BOUND
27	CO-59	7.30-08	7.30-08	1	COHERT
28	N1-NAT	7.30-08	7.30-08	1	BOUND
28	N1-NAT	7.30-08	7.30-08	1	COHERT
28	N1-58	7.30-08	7.30-08	1	BOUND
28	N1-58	7.30-08	7.30-08	1	COHERT
28	N1-60	7.30-08	7.30-08	1	BOUND
28	N1-60	7.30-08	7.30-08	1	COHERT
28	N1-62	7.30-08	7.30-08	1	BOUND
28	N1-62	7.30-08	7.30-08	1	COHERT
29	CU-NAT	7.30-08	7.30-08	1	BOUND
29	CU-NAT	7.30-08	7.30-08	1	COHERT
30	ZN-NAT	7.30-08	7.30-08	1	BOUND
30	ZN-NAT	7.30-08	7.30-08	1	COHERT
32	GE-NAT	7.30-08	7.30-08	1	BOUND
32	GE-NAT	7.30-08	7.30-08	1	COHERT
33	AS-75	7.30-08	7.30-08	1	BOUND
33	AS-75	7.30-08	7.30-08	1	COHERT
34	SE-NAT	7.30-08	7.30-08	1	BOUND
34	SE-NAT	7.30-08	7.30-08	1	COHERT
35	BR-NAT	7.30-08	7.30-08	1	BOUND
35	BR-NAT	7.30-08	7.30-08	1	COHERT
35	BR-NAT	7.30-08	7.30-08	1	BOUND
35	BR-NAT	7.30-08	7.30-08	1	COHERT
37	RB-NAT	7.30-08	7.30-08	1	BOUND

REF BIBLIOGRAPHY

... 3-238 ...

REF. NO. = 1584

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1584

REF BIBLIOGRAPHY

1584

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
37-RB-NAT	7.30-08 7.30-08	1	COHERT
38-SR-NAT	7.30-08 7.30-08	1	BOUND
38-SR-NAT	7.30-08 7.30-08	1	COHERT
40-ZR-NAT	7.30-08 7.30-08	1	BOUND
40-ZR-NAT	7.30-08 7.30-08	1	COHERT
41-NB-93	7.30-08 7.30-08	1	BOUND
41-NB-93	7.30-08 7.30-08	1	COHERT
42-MO-NAT	7.30-08 7.30-08	1	BOUND
42-MO-NAT	7.30-08 7.30-08	1	COHERT
46-PD-NAT	7.30-08 7.30-08	1	BOUND
46-PD-NAT	7.30-08 7.30-08	1	COHERT
47-AG-NAT	7.30-08 7.30-08	1	BOUND
47-AG-NAT	7.30-08 7.30-08	1	COHERT
47-AG-107	7.30-08 7.30-08	1	BOUND
47-AG-107	7.30-08 7.30-08	1	COHERT
47-AG-109	7.30-08 7.30-08	1	BOUND
47-AG-109	7.30-08 7.30-08	1	COHERT
50-SN-NAT	7.30-08 7.30-08	1	BOUND
50-SN-NAT	7.30-08 7.30-08	1	COHERT
51-SB-NAT	7.30-08 7.30-08	1	BOUND
51-SB-NAT	7.30-08 7.30-08	1	COHERT
53-I -127	7.30-08 7.30-08	1	BOUND
53-I -127	7.30-08 7.30-08	1	COHERT
55-CS-133	7.30-08 7.30-08	1	BOUND
55-CS-133	7.30-08 7.30-08	1	COHERT
73-TA-NAT	7.30-08 7.30-08	1	BOUND
73-TA-NAT	7.30-08 7.30-08	1	COHERT
74-W -NAT	7.30-08 7.30-08	1	BOUND
74-W -NAT	7.30-08 7.30-08	1	COHERT
78-PT-NAT	7.30-08 7.30-08	1	BOUND
78-PT-NAT	7.30-08 7.30-08	1	COHERT
79-AU-197	7.30-08 7.30-08	1	BOUND
79-AU-197	7.30-08 7.30-08	1	COHERT
82-PB-NAT	7.30-08 7.30-08	1	BOUND
82-PB-NAT	7.30-08 7.30-08	1	COHERT
83-BI-209	7.30-08 7.30-08	1	BOUND
83-BI-209	7.30-08 7.30-08	1	COHERT

1585 PHYS. REV. 82, 190 (1951) J.E.BROLLEY, JR., J.H.COON,
J.L.FOWLER (LAS.)
USED FOURFOLD COINCIDENCE COUNTER TELESCOPE TO DETECT RECOIL
PROTONS FROM POLYETHYLENE. RESULTS NORMALIZED BY HESS IN
REV. MOD. PHYS. 30, 368 (1958)

I-H -1 2.72+01 2.72+01 6 ELASTIC D(A)

1586 PHYS. REV. 88, 15 (1952) G.GUERNSEY, G.MOTT, B.K.NELSON
(U.ROCHESTER)
POLYETHYLENE SCATTERER AND FOUR SCINTILLATION COUNTER
TELESCOPE USED TO DETECT RECOIL PROTONS. RENORMALIZED BY HESS
IN
REV. MOD. PHYS. 30, 368 (1958)

I-H -1 1.72+02 2.15+02 20 ELASTIC D(A)

1587 PHYS. REV. 89, 1194 (1953) M.E.REMLEY, W.K.JENYSCHKE,

I-H -1 1.37+01 2.84+01 18 ELASTIC D(A)

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-239 ***

REF.NO.=1587

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

- 1587 P.G.KRUGER (UNIV.ILLINOIS)
DETECTED RECOIL PROTONS IN ORGANIC SCINTILLATION CRYSTALS
USED AS BOTH TARGETS AND DETECTORS. RELATIVE VALUES NORMAL-
IZED BY HESS IN
REV. MOD. PHYS. 30, 368 (1958)
- 1588 PHYS. REV. 92, 724 (1953) W.SELOVE, K.STRAUCH, F.TITUS
(HARVARD)
DETECTED RECOIL PROTONS IN DETECTOR TELESCOPE OF FIVE STILL-
BENE CRYSTAL IP21 PHOTOMULTIPLIER COUNTERS. RENORMALIZED BY
HESS IN
REV. MOD. PHYS. 30, 368 (1958)
- 1589 PHYS. REV. 94, 208 (1954) O.CHAMBERLAIN, J.W.EASLEY
(LRL BERKELEY)
LIQUID HYDROGEN TARGET. COUNTED RECOIL PROTONS FROM
POLYETHYLENE CONVERTER. RENORMALIZED BY HESS IN
REV. MOD. PHYS. 30, 368 (1958)
- 1590 PHYS. REV. 95, 591 (1954) A.J.HARTZLER, R.T.SIEGEL, W.OPITZ
(CARNEGIE INST.)
LIQUID HYDROGEN AND POLYETHYLENE-CARBON PLATES BOTH USED FOR
TARGETS WITH THE SAME RESULTS. USED POLYETHYLENE CONVERTER TO
OBTAIN RECOIL PROTONS FROM SMALL ANGLE SCATTERED NEUTRONS.
NORMALIZED TO TOTAL CROSS SECTION OF 33 MB
- 1591 PHYS. REV. 99, 1447 (1955) J.DE PANGHER (LRL BERKELEY)
WILSON CLOUD CHAMBER WITH TEN ATMOSPHERES OF HYDROGEN
- 1592 PROC. ROY. SOC. (LONDON) 229, 492 (1955) J.J.THRESHER,
R.G.P.VOSS, R.WILSON (OXFORD)
LIQUID HYDROGEN SCATTERER. NEUTRONS DETECTED BY LIQUID
SCINTILLATOR
- 1593 PROC. ROY. SOC. (LONDON) 213, 392 (1952) T.C.RANDLE,
A.E.TAYLOR, E.WOOD (AERE)
COUNTED PROTON RECOILS FROM POLYETHYLENE AND CORRECTED FOR
CARBON CONTENT
- 1594 UCRL 2693 (1954) J.W.EASLEY (LRL BERKELEY)
COUNTED RECOIL PROTONS FROM PROTONS PRODUCED IN POLYETHYLENE
CONVERTER WHICH DETECTED FORWARD SCATTERED NEUTRONS
- 1595 UCRL-867 (1950) R.W.FOX (LRL BERKELEY)
COUNTED PROTON RECOILS FROM POLYETHYLENE TARGET AND CORRECTED
FOR CARBON CONTENT. RENORMALIZED BY HESS IN
REV. MOD. PHYS. 30, 368 (1958)
- 1596 YAD. FIZ. 1, 134 (1965) S.PANTUEV, M.N.KHACHATURYAN,
I.V.CHUVILO (DUBNA)
TR-15510N OF POLYETHYLENE AND CARBON. NEUTRONS DETECTED
BY "S" CERNKOV COUNT

REF B1: 424

TARGET EN. RANGE (MEV) PTS DESCRIPTION

07/04/76

ECISIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1597

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
1597 YAD. FIZ. 1, 271 (1965) YU.M.KAZARINOV, V.I.SATAROV, YU.N.SIMINOV (DUBNA) TRANSMISSION OF POLYETHYLENE AND CARBON. PROTON RECOILS DETECTED IN COINCIDENCE SCINTILLATION COUNTERS. ALL HYDROGEN DATA OTHER THAN 35.2 MB AT 630 MEV TAKEN FROM JINR PREPRINT R-724	1-H -1	1.00+02 1.26+03	30 TOTAL
1598 J. EXPTL. THEORET. PHYS. (USSR) 33, 53 (1956) N.S.AMAGLOBELI, YU.M.KAZARINOV (DUBNA) USED POLYETHYLENE AND CARBON SCATTERERS FIRST, THEN LIQUID HYDROGEN. DETECTED NEUTRONS SCATTERED AT SMALL ANGLES BY DETECTING PROTON RECOILS FROM POLYETHYLENE CONVERTER	1-H -1	5.80+02 5.80+02	4 ELASTIC D(A)
1599 J. EXPTL. THEORET. PHYS. (USSR) 37, 1587 (1959) N.S.AMAGLOBELI, YU.M.KAZARINOV (DUBNA) USED POLYETHYLENE AND CARBON SCATTERERS FOR LARGE ANGLES AND DETECTED RECOIL PROTONS. FOR SMALL ANGLES LIQUID HYDROGEN WAS USED WITH POLYETHYLENE CONVERTER FROM WHICH RECOIL PROTONS FROM NEUTRONS STRIKING THE CONVERTER WERE DETECTED	1-H -1	6.30+02 6.30+02	20 ELASTIC D(A)
1600 J. EXPTL. THEORET. PHYS. (USSR) 42, 392 (1962) L.OZHDIYANI, V.S.PANTUEV, M.N.KHACHATURYAN, I.V.CHUVILO (DUBNA) TRANSMISSION OF POLYETHYLENE AND CARBON. DETECTED NEUTRONS WITH CERENKOV COUNTER	1-H -1	8.30+03 8.30+03	1 TOTAL
1601 J. EXPTL. THEORET. PHYS. (USSR) 43, 35 (1962) YU.M.KAZARINOV, YU.N.SIMINOV (DUBNA) POLYETHYLENE AND CARBON TARGETS. DETECTED RECOIL PROTONS WITH SCINTILLATION COUNTERS FOR LARGE ANGLES. LIQUID HYDROGEN SCATTERER USED FOR SMALL ANGLES WITH POLYETHYLENE CONVERTER FROM WHICH RECOIL PROTONS WERE DETECTED AFTER SMALL ANGLE SCATTERED NEUTRONS INTERACTED WITH THE CONVERTER	1-H -1 1-H -1	2.00+02 2.00+02 2.00+02 2.00+02	1 TOTAL 21 ELASTIC D(A)
1602 NUCLEAR PHYS. 128, 183 (1969) E.E.BONNER, E.B.PAUL, G.C.PHILLIPS (RICE) DEUTERATED BENZENE SCINTILLATOR USED AS SCATTERER. DEUTERON RECOIL ENERGY MEASURED IN COINCIDENCE WITH TIME OF FLIGHT OF SCATTERED NEUTRON BULL. AM. PHYS. SOC. 11, 303 (1966)	1-H -2	5.64+00 9.04+00	56 ELASTIC D(A)
1603 COMPT. REND. 253, 635 (1961) C.BONNEL, P.LEVY DETECTED PROTONS AT TWO ANGLES	1-H -2 1-H -2	1.41+01 1.41+01 1.41+01 1.41+01	2 N.P D(A) 92 N.P D(E,A)
1604 NUCLEAR SCIENCE AND ENGINEERING 28, 286 (1967) J.S.MERRITT, J.G.V.TAYLOR, A.W.BOYD (CHALK R.) RELATIVE TO CO-59 CAPTURE CROSS SECTION. IRRADIATED D2O IN NRU REACTOR. DATA WAS REVISED IN THE 1968 ARTICLE BECAUSE OF REDETERMINED QUANTITIES. RELATIVE TO AU-197(N,GAMMA) CROSS SECTION = 98.7 BARNS NUCLEAR SCIENCE AND ENGINEERING 34, 195 (1968)	1-H -2	2.53+08 2.53+08	1 N.O
1605 PHYS. LETTERS 21, 66 (1966) D.F.MEASDAY (HARVARD)	1-H -2	1.52+02 1.52+02	9 N.P D(A)
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

- 1605 DETECTED PROTONS WITH TRIPLE PLASTIC TELESCOPE IN COINCIDENCE WITH NA1 CRYSTAL. CORRECTED FOR OXYGEN CONTENT OF HEAVY AND LIGHT WATER TARGETS BY USING CARBON TARGETS OF THE SAME MASS AS THE OXYGEN IN THE WATER TARGETS. RATIO OF PROTONS FROM N,P REACTION ON D TO PROTONS FROM HYDROGEN SCATTERING WAS DETERMINED. NORMALIZED BY USING PHASE SHIFT PREDICTION (YLANAMP).
- 1606 PHYS. REV. 128, 779 (1952) A.J.FLWYN, R.O.LANE, A.S.LANGSDORF, JR. (ANL)
SIMULTANEOUS MEASUREMENTS FOR FIVE ANGLES WITH BF3 DETECTORS IN OIL MODERATOR AT THE CENTER OF BORATED WATER TANKS. NO CORRECTION FOR MULTIPLE SCATTERING OR BEAM ATTENUATION. THESE ARE EXPECTED TO BE SMALL (ABOUT 4 PERCENT)
- 1607 PRIVATE COMMUNICATION (1953) R.R.SMITH, T.I.TAYLOR (BNL)
DATA RECEIVED FROM BNL SIGMA CENTER
- 1608 ANL-4680 PAGE 8 (1951) S.P.HARRIS (ANL)
SPECTROSCOPICALLY PURE HE. THIS IS A REPEAT OF AN EXPERIMENT REPORTED IN
PHYS. REV. 80, 20 (1950)
- 1609 NUCLEAR PHYS. 19, 500 (1960) M.ARNOLD, P.E.HODGSON, D.F.SHAW, D.H.SKYRME (AERE)
CLOUD CHAMBER
- 1610 PROC. PHYS. SOC. (LONDON) 68, 43 (1955) D.F.SHAW (OXFORD)
CLOUD CHAMBER
- 1611 PHYS. REV. 97, 855 (1955) H.S.SOMMERS, JR., J.D.DASH, L.GOLDSTEIN (LASL)
MODERATED REACTOR NEUTRONS. NEUTRONS DETECTED BY BF3 COUNTER BURIED IN CUBIC FOOT OF CADMIUM LINED PARAFFIN
- 1612 NUCLEAR FORCES AND THE FEW-NUCLEON PROBLEM. LONDON, 2, 583 (1960) J.D.SEAGRAVE (LASL)
CALCULATED FROM THE INVERSE PROCESS. SEE ALSO
J. EXPTL. THEORET. PHYS. (USSR) 36, 633 (1959)
- 1613 PHYS. LETTERS 23, 477 (1966) B.ANTOLKOVIC, M.CETINEO, G.PAIC, P.TOMAS, V.AUDACIC, B.LALOVIC, W.T.H.VAN OERS, I.SLAUS (ZAGREB)
GAS TARGET. DETECTED CHARGED REACTION PRODUCTS WITH COUNTER TELESCOPE SYSTEM
- 1614 PHYS. REV. 159, 777 (1967) B.ANTOLKOVIC, G.PAIC, P.TOMAS, D.RENDIC (ZAGREB)
GASEOUS TARGET. DETECTED CHARGED REACTION PRODUCTS AND HE3 RECOILS (FOR ELASTIC SCATTERING) WITH COUNTER TELESCOPE SYSTEM

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1615

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1615 AUSTRALIAN J. PHYS. 16, 185 (1963) P.G.YOUNG, G.G.OHLSSEN, P.L.OKHUYSEN, JR. (UNIV. TEXAS) GASEOUS TARGET. NEUTRONS DETECTED BY PLASTIC SCINTILLATOR. MULTIPLE SCATTERING AND WALL CORRECTIONS MADE	2-HE-NAT	1.79+00 1.79+00	22	ELASTIC D(A)
1616 NUOVO CIMENTO 30, 1169 (1963) U.FASOLI, G.ZAGO (PADUA) CLOUD CHAMBER	2-HE-NAT	1.41+01 1.41+01	18	ELASTIC D(A)
1617 NUCLEAR PHYS. 83, 65 (1966) B.HOOP, JR., H.H.BARSCHALL (U.WISCONSIN) GAS SCINTILLATOR. OBSERVED PULSE HEIGHT DISTRIBUTION OF RECOILS. CROSS SECTIONS MEASURED RELATIVE TO 6 MEV CROSS SECTION	2-HE-NAT	6.02+00 3.07+01	416	ELASTIC D(A)
1618 PHYS. LETTERS 5, 205 (1963) R.MALARODA, G.POIANI, G.PISENT (TRIESTE) GAS TARGET. OBSERVED RECOILS	2-HE-NAT	1.49+01 1.49+01	30	ELASTIC D(A)
1619 COMPT. REND. 232, 2089 (1951) B.GRIMELAND, E.HELLSTRAND, F.NETTER (FRANCE) PILE OSCILLATION RELATIVE TO BORON. RENORMALIZED (FROM 710) TO 759 BARN BORON CROSS SECTION	3-LI-NAT 17-CL-NAT 21-SC-45 24-CR-NAT 25-MN-55 26-FC-NAT 27-CO-59 28-NI-NAT 29-CU-NAT	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1 1 1 1 1 1 1	ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV.
1620 EANDC(E)-66U PAGE 48 (1966) M.BORMANN, H.GENZ (HAMBURG) TRANSMISSION. CORRECTED FOR FORWARD SCATTERED NEUTRONS	3-LI-NAT	4.17+00 6.06+00	40	TOTAL
1621 J. PHYS. RADIUM 13, 171 352 (1952) J.AILLOUD, D.BRETON, A.ERTAUD, V.RAIEVSKI (FORT DE CHATILLON) PILE OSCILLATION METHOD. RENORMALIZED (FROM 710) TO 759 BARNS BORON CROSS SECTION	3-LI-NAT 60-ND-NAT 80-HG-NAT	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1	ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV.
1622 NUCLEAR PHYS. 33, 680 (1962) C.WONG, J.D.ANDERSON, J.W.MC CLURE (LRL LIVERMORE) TIME OF FLIGHT	3-LI-6 3-LI-6 3-LI-7 3-LI-7 3-LI-7	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	14 8 1 10 15	ELASTIC D(A) N,N' D(A) ELASTIC D(A) SCATTER D(A) SCATTER D(A)
1623 PROC. PHYS. SOC. (LONDON) 63, 1175 (1950) F.C.W.COLMER, D.J.LITTLER (AERE) PILE OSCILLATOR METHOD. RENORMALIZED TO 771 BARN BORON CROSS SECTION	3-LI-NAT 7-N -NAT 12-MG-NAT 14-SI-NAT 15-P -31 17-CL-NAT 18-AR-NAT 19-K -NAT 20-CA-NAT 22-TI-NAT	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1 1 1 1 1 1 1 1	ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=1623

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1623

REF BIBLIOGRAPHY

1623

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
23-V -NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
24-CR-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
26-FE-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
28-NI-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
29-CU-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
30-ZN-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
34-SE-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
35-BR-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
38-SR-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
40-ZR-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
41-NB-93	2.50-08 2.50-08	1	ABSORP SPECT.AV.
42-MO-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
46-PD-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
50-SN-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
51-SB-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
53-I -127	2.50-08 2.50-08	1	ABSORP SPECT.AV.
56-BA-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
58-CE-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
64-GD-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
72-HF-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
73-TA-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
74-W -NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
78-PT-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.

1624 PHYS. REV. 87, 785 (1952) L.KAPLAN, G.R.RINOD, K.E.WILZBACH
(ANL)
DANGER COEFFICIENT MEASUREMENT, RENORMALIZED (FROM 755) TO
759 BARN BORON ABSORPTION CROSS SECTION

1-H -2	2.53-08 2.53-08	1	N.G
3-LI-NAT	2.53-08 2.53-08	1	ABSORP
3-LI-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.

1625 PHYS. REV. 94, 786 (1954) H.B.WILLARD, J.K.BAIR, J.D.KINGTON
(ORNL)
CYLINDRICAL SCATTERERS, NO MULTIPLE SCATTERING CORRECTION
MADE BECAUSE SCATTERERS HAD TRANSMISSION GREATER THAN 0.7.
PROTON RECOIL COUNTER

3-LI-NAT	2.60-01 2.60-01	8	ELASTIC D(A)
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1626 BULL. AM. PHYS. SOC. 4, 218 (1959) W.B.PARDO, J.H.ROBERTS
(U.MIAM)
METHOD NOT GIVEN

3-LI-6	2.70-01 2.70-01	1	N.T
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1627 COMPT. REND. 260, 3922 (1965) F.MERCEZ, V.S.NGUYEN, V.REGIS,
R.BUCHEZ (GRENOBLE)
TIME OF FLIGHT

3-LI-6	1.40+01 1.40+01	1	ELASTIC
3-LI-6	1.40+01 1.40+01	1	N.N'
3-LI-6	1.40+01 1.40+01	16	ELASTIC D(A)
3-LI-6	1.40+01 1.40+01	12	N.N' D(A)

1628 DOKLADY AKADE. NAUK S.S.S.R. 111, 791 (1956) G.V.GORLOV,
B.M.GOKHBERG, V.M.MOROZOV, G.A.OTROSHCHENKO (USSR)
IONIZATION CHAMBER

3-LI-6	9.10-03 7.30-01	24	N.T
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1629 EANDC(E)-570 (1965) R.BASS, C.BINDHARDT, K.KRUGER
(U.FRANKFURT)
BETA COUNTING AND GAMMA SPECTROSCOPY, FOR GAMMAS THEY USED
KIC(L), CAF2(EU) AND LIG(EU) CRYSTALS FOR COMBINATION TARGETS

3-LI-6	3.60+00 9.00+00	34	N.P
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REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF.NO.=1629

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1629

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1629 AND DETECTORS

- 1630 J. PHYSIQUE 24, 803 (1963) Y.BAUDINET-ROBINET, E.DONNEAUX, G.ROBAYE, L.WINAND (LIEGE)
EMULSION TECHNIQUE 3-LI-6 1.90-01 1.90-01 6 N,T D(A)
- 1631 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., P.763 (1966)
J.F.BARRY (AHRE)
MEASUREMENTS RELATIVE TO U235 FISSION CROSS SECTIONS 3-LI-6 2.50-02 1.00-01 3 N,T
- 1632 NUCLEAR PHYS. 107, 139 (1968) J.C.HOPKINS, D.M.DRAKE, H.CONDE (LASL)
THE UNRESOLVED INELASTIC COMPONENT IS TO THE CONTINUUM
CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., P.634 (1966)
TIME OF FLIGHT. CORRECTIONS MADE FOR MULTIPLE SCATTERING AND ATTENUATION
3-LI-6	4.83+00	7.50+00	3 ELASTIC	
3-LI-6	4.83+00	7.50+00	3 N,N'	
3-LI-6	4.83+00	7.50+00	3 N,N'	
3-LI-6	4.83+00	7.50+00	3 N,N'D	
3-LI-6	4.83+00	7.50+00	20 ELASTIC D(A)	
3-LI-6	4.83+00	7.50+00	20 N,N' D(A)	
3-LI-7	3.35+00	4.83+00	2 ELASTIC	
3-LI-7	3.35+00	7.50+00	6 N,N'	
3-LI-7	4.83+00	7.50+00	3 N,N'	
3-LI-7	4.83+00	7.50+00	3 N,N'T	
3-LI-7	3.35+00	4.83+00	12 ELASTIC D(A)	
3-LI-7	3.35+00	7.50+00	21 N,N' D(A)	
- 1633 NUCLEAR PHYS. 52, 505 (1964) A.H.ARMSTRONG, J.H.GAMMEL, L.ROSEN, G.M.FRYE, JR. (LASL)
NUCLEAR EMULSIONS
3-LI-6	1.41+01	1.41+01	1 ELASTIC	
3-LI-6	1.41+01	1.41+01	1 EMISS	
3-LI-6	1.41+01	1.41+01	17 ELASTIC	
3-LI-6	1.41+01	1.41+01	30 EMISS	
3-LI-7	1.41+01	1.41+01	1 ELASTIC	
3-LI-7	1.41+01	1.41+01	1 EMISS	
3-LI-7	1.41+01	1.41+01	16 SCATTER D(A)	
3-LI-7	1.41+01	1.41+01	31 EMISS D(A)	
- 1634 NUCLEAR PHYS. 63, 593 (1965) S.SCHWARZ, L.G.STROMBERG, A.BERGSTROM (STOCKHOLM)
TIME OF FLIGHT. DATA CORRECTED BY AUTHOR
3-LI-6	2.90-03	5.08-01	83 N,A	
3-LI-6	2.31-01	2.31-01	2 RES.PARAM.	
- 1635 NUCLEAR PHYS. 59, 145 (1965) C.BEETS, G.DE LEEUW-GIERTS, S.DE LEEUW, Y.BAUDINET-ROBINET, G.ROBAYE, L.WINAND (MOL)
NUCLEAR EMULSIONS
- 1636 PHYS. REV. 139, 331 (1965) V.VALKOVIC, G.PAIC, I.SLAUS, P.TOMAS, M.CERINEO, G.R.SATCHLER (ZAGREB)
ANTI-COINCIDENCE PROPORTIONAL COUNTERS PLUS SCINTILLATION COUNTER TO DETECT EMITTED CHARGED PARTICLES
3-LI-6	1.44+01	1.44+01	8 N,D	D(A)
5-8 -10	1.44+01	1.44+01	18 N,D	D(A)
8-0 -16	1.44+01	1.44+01	13 N,D	D(A)
22-TI-48	1.44+01	1.44+01	7 N,D	D(A)
- 1637 PHYS. REV. 67, 205 (1952) F.L.RIBE (LASL)
PROPORTIONAL COUNTER 3-LI-6 2.49+00 1.42+01 2 N,T
- 1638 PHYS. REV. 90, 1049 (1953) L.E.DARLINGTON, J.HAUGSNES, H.H.MANN, J.H.ROBERTS (NORTHWESTERN)
NUCLEAR EMULSIONS. NORMALIZED TO BNL-325 2ND ED. VALUES BY BNL SIGMA CENTER 3-LI-6 2.00-01 6.00-01 48 N,T D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-245 ***

REF.NO.=1638

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. 1639

REF BIBLIOGRAPHY

- 1639 PRIVATE COMMUNICATION (1965) A.YOSHIMURA, M.SONODA, A.KATASE, Y.WAKUTA, M.SEKI, T.AKIYOSHI, I.FUJITA, M.HYAKUTAKE (KYUSHU U.)
DATA VIA BNL SIGMA CENTER. TIME OF FLIGHT USING ASSOCIATED PARTICLE. FOR A BRIEF DISCUSSION SEE INDSWG-90 PAGE 24 (1965)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3-LI-7	1.40+01 1.40+01	1	SCATTER
3-LI-7	1.40+01 1.40+01	1	N,N'
3-LI-7	1.40+01 1.40+01	13	SCATTER D(A)
3-LI-7	1.40+01 1.40+01	13	SCATTER D(A)
3-LI-7	1.40+01 1.40+01	13	N,N' D(A)
6-C -NAT	1.41+01 1.41+01	1	ELASTIC
6-C -NAT	1.41+01 1.41+01	13	ELASTIC D(A)
6-C -12	1.41+01 1.41+01	3	N,N'
6-C -12	1.41+01 1.41+01	38	N,N' D(A)
73-TA-NAT	1.40+01 1.40+01	7	ELASTIC D(A)
73-TA-NAT	1.40+01 1.40+01	14	N,N' D(A)

- 1640 COLLOQUIUM ON THE LIGHT NUCLEI. LYON, PAGE 84 (1966) V.REGIS, V.S.NGUYEN, A.FIORE, D.L.PHAM, R.BOUCHEZ (GRENOBLE)
TIME OF FLIGHT. SEE ALSO
J. PHYSIQUE, SUPPLEMENT C1-84 (1966)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3-LI-7	1.40+01 1.40+01	1	ELASTIC
3-LI-7	1.40+01 1.40+01	1	N,N'
3-LI-7	1.40+01 1.40+01	20	ELASTIC D(A)
3-LI-7	1.40+01 1.40+01	20	N,N' D(A)

- 1641 LA-2235 (1958) M.E.WYMAN, M.M.THORPE (LASL)
COUNTED TRITIUM DECAY BETAS

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3-LI-7	4.00+00 1.48+01	7	N,N'T

- 1642 BULL. AM. PHYS. SOC. 4, 385 (1959) J.L.FOWLER, H.O.COHN (ORNL)
TRANSMISSION, CORRECTED FOR INSCATTERING BY ANGULAR DISTRIBUTION MEASUREMENTS MADE BY THE SAME AUTHORS

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
4-BE-9	1.91+00 4.55+00	182	TOTAL

- 1643 DOKLADY AKAD. NAUK S.S.S.R. 158, 574 (1964) O.V.GORLOV, N.S.LEBEDEVA, V.M.MOROZOV (KURCHATOV INST.)
POLARIZED NEUTRONS SCATTERED BY CYLINDRICAL TARGETS WITH TRANSMISSIONS ABOUT .7 TO .8 TO FACILITATE MULTIPLE SCATTERING CORRECTIONS
YAD. FIZ. 5, 910 (1967)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
4-BE-9	4.00+00 4.00+00	1	TOTAL
4-BE-9	4.00+00 4.00+00	1	ELASTIC
4-BE-9	4.00+00 4.00+00	17	ELASTIC D(A)
6-C -NAT	4.00+00 4.00+00	1	TOTAL
6-C -NAT	4.00+00 4.00+00	1	ELASTIC
6-C -NAT	4.00+00 4.00+00	17	ELASTIC D(A)
27-CO-59	4.00+00 4.00+00	1	TOTAL
27-CO-59	4.00+00 4.00+00	1	ELASTIC
27-CO-59	4.00+00 4.00+00	17	ELASTIC D(A)
28-NI-62	4.00+00 4.00+00	1	TOTAL
28-NI-62	4.00+00 4.00+00	1	ELASTIC
28-NI-62	4.00+00 4.00+00	16	ELASTIC D(A)
34-SE-80	4.00+00 4.00+00	1	TOTAL
34-SE-80	4.00+00 4.00+00	1	ELASTIC
34-SE-80	4.00+00 4.00+00	17	ELASTIC D(A)
41-NB-93	4.00+00 4.00+00	1	TOTAL
41-NB-93	4.00+00 4.00+00	1	ELASTIC
41-NB-93	4.00+00 4.00+00	17	ELASTIC D(A)
48-CD-114	4.00+00 4.00+00	1	TOTAL
48-CD-114	4.00+00 4.00+00	1	ELASTIC
48-CD-114	4.00+00 4.00+00	17	ELASTIC D(A)
50-IN-115	4.00+00 4.00+00	1	TOTAL
50-IN-115	4.00+00 4.00+00	1	ELASTIC
50-IN-115	4.00+00 4.00+00	17	ELASTIC D(A)
50-SN-118	4.00+00 4.00+00	1	TOTAL
50-SN-118	4.00+00 4.00+00	1	ELASTIC
50-SN-118	4.00+00 4.00+00	17	ELASTIC D(A)

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-246 ***

REF. NO. 1643

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1643

REF BIBLIOGRAPHY

1643

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
53-I -127	4.00+00 4.00+00	1 TOTAL
53-I -127	4.00+00 4.00+00	1 ELASTIC
53-I -127	4.00+00 4.00+00	17 ELASTIC D(A)
82-PB-NAT	4.00+00 4.00+00	1 TOTAL
82-PB-NAT	4.00+00 4.00+00	1 ELASTIC
82-PB-NAT	4.00+00 4.00+00	17 ELASTIC D(A)
83-BI-209	4.00+00 4.00+00	1 TOTAL
83-BI-209	4.00+00 4.00+00	1 ELASTIC
83-BI-209	4.00+00 4.00+00	17 ELASTIC D(A)

1644 EANDC(E)-49L PAGE 95 (1963) J.C.CARRE
PILE OSCILLATION

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
4-BE-9	2.50-08 2.50-08	1 ABSORP SPECT.AV.

1645 PRIVATE COMMUNICATION (1960) J.S.LEVIN, L.CRANBERG (LASL)
TIME OF FLIGHT TECHNIQUE.
WASH-1028 PAGE 26 (1960)
WASH-1028 PAGE 44 (1960)
TOTAL CROSS SECTIONS ARE AN AVERAGE OF THE RESULTS OF THE
AUTHOR'S AND FOWLER AND COHN (UNPUBLISHED). SEE ALSO REF.590.

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
4-BE-9	2.48+00 4.10+00	7 TOTAL
4-BE-9	2.48+00 3.46+00	6 ELASTIC
4-BE-9	2.48+00 3.46+00	91 ELASTIC D(A)

1646 PRIVATE COMMUNICATION (1961) D.D.PHILLIPS (LASL)
DATA VIA BNL SIGMA CENTER

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
4-BE-9	3.00+00 7.00+00	109 ELASTIC D(A)
7-N -NAT	7.00+00 7.00+00	1 ELASTIC
7-N -NAT	7.00+00 7.00+00	10 ELASTIC D(A)
8-O -NAT	3.00+00 7.00+00	8 ELASTIC
8-O -NAT	3.00+00 7.00+00	109 ELASTIC D(A)

1647 PHYS. REV. 133, 409 (1964) R.O.LANE, A.J.ELWYN,
A.S.LANGSDORF, JR. (ANL)
BF3 DETECTORS IN OIL MODERATOR SURROUNDED BY BORATED WATER
SOLUTION. FIVE ANGLES OBSERVED SIMULTANEOUSLY

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
4-BE-9	2.00-01 9.00-01	150 ELASTIC D(A)

1648 PHYS. REV. 144, 854 (1966) A.J.FRASCA, R.W.FINLAY,
R.D.KOSHEL, R.L.CASSOLA (OHIO UNIV.)
TIME OF FLIGHT. CORRECTED FOR GEOMETRY AND DOUBLE SCATTERING
TABULATED DATA FROM R.W.FINLAY (1975)

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
5-B -NAT	1.40+01 1.40+01	1 ELASTIC
5-B -NAT	1.40+01 1.40+01	14 ELASTIC D(A)
6-C -NAT	1.40+01 1.40+01	1 ELASTIC
6-C -12	1.40+01 1.40+01	16 ELASTIC D(A)
19-K -NAT	1.40+01 1.40+01	1 ELASTIC
19-K -NAT	1.40+01 1.40+01	22 ELASTIC D(A)
20-CA-NAT	1.40+01 1.40+01	1 ELASTIC
20-CA-NAT	1.40+01 1.40+01	20 ELASTIC D(A)

1649 ANL-6877 PAGE 5 (1964) F.P.MOORING, R.E.SEGEL (ANL)
USED TWO SAMPLES, ONE OF NATURAL BORON, THE OTHER ENRICHED TO
91 PERCENT B-10. THE VALUES HERE ARE FOR THE ENRICHED SAMPLE.
WE HAVE USED SPIN ASSIGNMENT OF J=3 FROM REF. 3133 TO DETER-
MINE THE RADIATION WIDTH.
BULL. AM. PHYS. SOC. 9, 434 (1964)

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
5-B -10	1.15-02 7.71-02	8 N.A
5-B -11	2.30-02 2.30-02	2 RES.PARAM.

1650 PHYS. REV. 94, 934 (1954) F.L.RIBE, J.D.SEAGRAVE (LASL)
DETECTED CHARGED REACTION PRODUCTS WITH COINCIDENCE-TELESCOPE
SPECTROMETER

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
5-B -10	1.41+01 1.41+01	14 N.D D(A)

1651 J. NUCLEAR ENERGY 21, 893 (1967) W.J.NAUDE, M.PEISACH

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
5-B -11	1.45+01 1.45+01	1 N,P

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
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*** 3-247 ***

REF.NO.=1651

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1651

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1651 (STELLENBOSCH S.A.)
ACTIVATION1652 BULL. AM. PHYS. SOC. 6, 61 (1961) W.L.ROGERS, D.I.GARBER,
E.F.SHRADER (CASE)
TIME OF FLIGHT

6-C -NAT	7.07-01	3.01-01	10 ELASTIC D(A)
9-F -19	5.65-01	1.00+00	10 ELASTIC D(A)
9-F -19	5.65-01	5.65-01	16 N,N' D(A)
73-TA-NAT	9.01-01	9.01-01	1 ELASTIC
73-TA-NAT	4.20-01	9.90-01	26 ELASTIC D(A)
73-TA-181	7.07-01	9.01-01	3 N,N'
73-TA-181	4.20-01	9.90-01	40 N,N' D(A)

1653 PRIVATE COMMUNICATION (1966) F.DE GUARRINI
VIA BNL SIGMA CENTER

6-C -NAT	1.42+01	1.46+01	1 TOTAL
11-NA-23	1.46+01	1.46+01	1 TOTAL

1654 CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., P.690 (1965)
P.F.YERGIN, R.C.MARTIN, E.J.WINhold, H.A.MEDICUS, W.R.MOYER,
R.H.AUGUSTSON, N.N.KAUSHAL, R.R.FULLWOOD (RP1)
LINAC WITH 100 METER FLIGHT PATH. 90 MEV ELECTRONS WITH COM-
POSITE B4C AND W TARGET NEUTRON SOURCE WITH TIME OF FLIGHT TO
SORT OUT ENERGIES

6-C -NAT 7.48-01 4.99+01 931 TOTAL

1655 PROC. PHYS. SOC. (LONDON) 71, 552 (1958) A.ASHMORE,
D.S.MATHER, S.K.SEN (UNIV.LIVERPOOL)
DETECTED RECOIL PROTONS FROM POLYETHYLENE CONVERTER

6-C -NAT	3.51+02	3.51+02	9 ELASTIC D(A)
13-AL-27	3.51+02	3.51+02	8 ELASTIC D(A)
29-CU-NAT	3.51+02	3.51+02	9 ELASTIC D(A)
50-SN-NAT	3.51+02	3.51+02	7 ELASTIC D(A)
81-PB-NAT	3.51+02	3.51+02	7 ELASTIC D(A)

1656 PHYS. REV. 161, 1181 (1967) A.CHATTERJEE, A.M.GHOSE (BOSE)
SPHERE TRANSMISSION WITH EMPIRICAL POLYNOMIAL CORRECTION
FORMULA FOR MULTIPLE SCATTERING AND CORRECTION FOR DEGRADED
ELASTIC NEUTRONS MADE BY A TWO BIAS METHOD DEVELOPED BY THE
AUTHORS

6-C -NAT	1.48+01	1.48+01	1 NONELAS
9-D -NAT	1.48+01	1.48+01	1 NONELAS
13-AL-27	1.48+01	1.48+01	1 NONELAS
29-CU-NAT	1.48+01	1.48+01	1 NONELAS
48-CD-NAT	1.48+01	1.48+01	1 NONELAS
50-SN-NAT	1.48+01	1.48+01	1 NONELAS
58-CE-NAT	1.48+01	1.48+01	1 NONELAS
74-W -NAT	1.48+01	1.48+01	1 NONELAS
82-PB-NAT	1.48+01	1.48+01	1 NONELAS

1657 J. EXPTL. THEORET. PHYS. (USSR) 42, 909 (1962) V.S.PANTUEV,
M.N.KHACHATURYAN (USSR)
TRANSMISSION

6-C -NAT	8.30+03	8.30+03	1 TOTAL
6-C -NAT	8.30+03	8.30+03	5 SCATTER D(A)
13-AL-27	8.30+03	8.30+03	1 TOTAL
29-CU-NAT	8.30+03	8.30+03	1 TOTAL
29-CU-NAT	8.30+03	8.30+03	1 NONELAS
82-PB-NAT	8.30+03	8.30+03	1 TOTAL

1658 PRIVATE COMMUNICATION (1966) G.C.BONAZZOLA (TURIN)
VIA BNL SIGMA CENTER

6-C -NAT 1.42+01 1.42+01 10 ELASTIC D(A)

1659 PRIVATE COMMUNICATION (1966) R.BOUCHEZ (GRENOBLE)
VIA BNL SIGMA CENTER

6-C -NAT	1.40+01	1.40+01	1 ELASTIC
6-C -NAT	1.40+01	1.40+01	18 ELASTIC D(A)
6-C -12	1.40+01	1.40+01	3 N,N'
6-C -12	1.40+01	1.40+01	52 N,N' D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-248 ***

REF.NO.=1659

07/04/76

EC51L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1660

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1660 CEA-R-2382 (1964) P.PERRIN (GRENOBLE) TIME OF FLIGHT	6-C -NAT	1.47+01 1.47+01	15	ELASTIC D(A)
	6-C -12	1.47+01 1.47+01	14	N,N' D(A)
1661 CEA-R-2407 (1964) I.SZABO (GRENOBLE) TIME OF FLIGHT	6-C -NAT	1.40+01 1.40+01	1	ELASTIC
	6-C -NAT	1.40+01 1.40+01	19	ELASTIC D(A)
	6-C -12	1.40+01 1.40+01	2	N,N'
	6-C -12	1.40+01 1.40+01	37	N,N' D(A)
1662 PRIVATE COMMUNICATION (1966) C.A.UTTLEY (AERE) VIA BNL SIGMA CENTER	6-C -NAT	6.02+04 5.19+01	685	TOTAL
1663 PRIVATE COMMUNICATION (1961) W.M.DEUCHARS (ANRL) VIA BNL SIGMA CENTER	6-C -12	1.4 +01 1.40+01	11	N,N' D(A)
1664 PROC. RUTHERFORD JUBILEE INT. CONF. MANCHESTER, P.139 (1961) S.M.AUSTIN, G.L.SALMON, D.J.ROWE, A.B.CLEGG, D.NEWTON, K.J.FOLEY (AERE) COINCIDENCE COUNTERS	6-C -12	1.40+02 1.40+02	3	N,N'P
1665 NUCLEAR PHYS. 43, 628 (1963) R.BOUCHEZ, J.DUCLOS, P.PERRIN (GRENOBLE) TIME OF FLIGHT	6-C -NAT	1.46+01 1.46+01	1	ELASTIC
	6-C -NAT	1.46+01 1.46+01	15	ELASTIC D(A)
	6-C -12	1.46+01 1.46+01	34	N,N' D(A)
1666 NUCLEAR PHYS. 60, 349 (1964) D.T.STEWART, P.W.MARTIN (U.GLASGOW) NAI(TL) SCINTILLATOR TO DETECT GAMMAS	6-C -12	1.41+01 1.41+01	1	N,XG
	12-MG-24	1.41+01 1.41+01	1	N,XG
1667 PHYS. REV. 143, 745 (1966) D.LISTER, A.R.SAYRES (COLUMBIA U.) PROPORTIONAL COUNTER, NORMALIZED TO HYDROGEN TOTAL CROSS SECTION. NEUTRON ENERGY SPREAD WAS 18-25 KEV.	6-C -NAT	3.06+00 4.72+00	71	ELASTIC
	6-C -NAT	3.06+00 4.72+00	420	ELASTIC LEGEND.COEF
	6-C -12	3.06+00 4.25+00	2	RES.PARAM.
	8-0 -16	3.06+00 4.73+00	744	ELASTIC LEGEND.COEF
	8-0 -16	3.29+00 4.17+00	9	RES.PARAM.
1668 J. EXPTL. THEORET. PHYS. (USSR) 41, 24 (1961) V.V.BOBYR', L.YA.GRONA, V.I.STRIZHAK (PHYS.INST.UKRAINIAN S.S.R.) RING GEOMETRY WITH STILBENE DETECTOR	6-C -12	1.40+01 1.40+01	13	N,N' D(A)
	7-N -14	1.40+01 1.40+01	13	N,N' D(A)
	16-S -32	1.40+01 1.40+01	12	N,N' D(A)
1669 BULL. AM. PHYS. SOC. 11, 471 (1966) P.L.BEACH, R.W.FINLAY, R.D.KOSHEL, R.A.CASSOLA (OHIO UNIV.) TIME OF FLIGHT, CORRECTED FOR FINITE GEOMETRY AND MULTIPLE SCATTERING	7-N -NAT	1.40+01 1.40+01	22	ELASTIC D(A)
1670 KERNENERGIE 6, 336 (1963) G.HUTTEL, P.LIEWERS (DRESDEN) PILE OSCILLATOR	7-N -NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	12-MG-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	25-MN-55	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	47-AG-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	49-IN-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	79-AU-197	2.50-08 2.50-08	1	ABSORP SPECT.AV.
1671 NUCLEAR PHYS. 60, 561 (1964) J.L.PERKIN (ANRL) THREE CRYSTAL PAIR SPECTROMETER	7-N -NAT	4.50+00 8.50+00	26	N,XG E1-E2,D(A)
	8-0 -NAT	7.50+00 8.50+00	22	N,XG E1-E2,D(A)
	12-MG-NAT	4.50+00 8.50+00	42	N,XG E1-E2,D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-249 ***

REF.NO.=1671

07/04/76

CSIC-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1671

REF BIBLIOGRAPHY

1671

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
13-AL-27	3.50+00 8.50+00	47 N,XG	E1-E2,D(A)
14-SI-NAT	3.50+00 8.50+00	37 N,XG	E1-E2,D(A)
16-S -NAT	3.50+00 8.50+00	31 N,XG	E1-E2,D(A)
26-FE-NAT	3.50+00 8.50+00	48 N,XG	E1-E2,D(A)
28-NI-NAT	3.50+00 8.50+00	45 N,XG	E1-E2,D(A)
56-BA-NAT	5.50+00 8.50+00	23 N,XG	E1-E2,D(A)
74-W -NAT	3.50+00 8.50+00	38 N,XG	E1-E2,D(A)
82-PB-NAT	3.50+00 8.50+00	47 N,XG	E1-E2,D(A)

1672 MAG. FIZ. FOLYOIRAT 16, 123 (1966) J.CSIKAI (DEBRECEN)
 ACTIVATION D-T SOURCE. ERRORS ARE STATISTICAL. ABSOLUTE CROSS
 SECTIONS FOR N,2N ARE RELATIVE TO CU-63(N,2N) = 0.541 B AT
 14.6 MEV. FOR N,ALPHA ARE RELATIVE TO INTEGRATED N-14(N,
 ALPHA) = 0.16. ABSTRACT IN
 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/102 (1965)
 (NORTH-HOLLAND PUBLISHING CO., AMSTERDAM, 1966) P.537.
 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/102 (1965)
 (EANDC-50-S VOL.2).
 ATOMKI KOZLEMENYEK 8, 79 (1966)
 SEE ALSO
 NUCLEAR PHYS. 91, 222 (1967) J.CSIKAI, S.NAOI

7-N -14	1.45+01 1.46+01	1 N,2N	
7-N -14	1.35+01 1.47+01	24 N,2N	
7-N -14	1.4 +01 1.47+01	9 N,A	D(A)
7-N -14	1.47+01 1.47+01	14 N,A	D(E)
7-N -14	1.47+01 1.47+01	1 N,A	C/S RATIO
9-F -19	1.46+01 1.46+01	1 N,2N	
9-F -19	1.35+01 1.47+01	24 N,2N	
22-TI-46	1.46+01 1.46+01	1 N,2N	
26-FE-54	1.46+01 1.46+01	1 N,2N	
28-NI-58	1.46+01 1.46+01	1 N,2N	
28-NI-58	1.35+01 1.47+01	24 N,2N	
29-CU-63	1.46+01 1.46+01	1 N,2N	
29-CU-63	1.35+01 1.47+01	24 N,2N	
29-CU-65	1.46+01 1.46+01	1 N,2N	
29-CU-65	1.35+01 1.47+01	24 N,2N	
30-ZN-64	1.46+01 1.46+01	1 N,2N	
30-ZN-70	1.22+01 1.22+01	1 N,2N	
31-GA-71	1.23+01 1.23+01	1 N,2N	
42-MO-92	1.46+01 1.46+01	1 N,2N	
42-MO-92	1.35+01 1.47+01	24 N,2N	
47-AG-109	1.35+01 1.47+01	24 N,2N	
73-TA-181	1.35+01 1.47+01	24 N,2N	

1673 PHYS. REV. 158, 948 (1967) P.FESSENDON, D.R.MAXSON (BROWN U.)
 SOLID STATE TRIPLE COINCIDENCE TELESCOPE DETECTED CHARGED
 PARTICLES. SEE ALSO
 BULL. AM. PHYS. SOC. 10, 723 (1965)

7-N -14	1.41+01 1.41+01	15 N,D	D(A)
7-N -14	1.41+01 1.41+01	14 N,T	D(A)
7-N -15	1.41+01 1.48+01	14 N,D	D(A)

1674 HELV. PHYS. ACTA 38, 371 (1965) B.VAUCHER, J.C.ALDER,
 C.JOSEPH, O.A.GRIN, A.HENCHOZ (LAUSANNE)
 TIME OF FLIGHT

7-N -14	1.41+01 1.41+01	1 ELASTIC	D(A)
7-N -14	1.41+01 1.41+01	2 N,N'	D(A)

1675 NUCLEAR PHYS. 91, 222 (1967) J.CSIKAI, F.NAGY (DEBRECEN)
 ACTIVATION EXCEPT FOR N-14 WHICH WAS CLOUD CHAMBER
 ACTA PHYSICA ACAD. SCI. HUNGARICAE 21, 303 (1966)

7-N -14	1.47+01 1.47+01	1 N,N'P
7-N -14	1.47+01 1.47+01	1 N,P
9-F -19	1.47+01 1.47+01	1 N,P
11-NA-23	1.47+01 1.47+01	1 N,P
20-CA-42	1.47+01 1.47+01	1 N,P
20-CA-43	1.47+01 1.47+01	1 N,P
20-CA-44	1.47+01 1.47+01	1 N,P
21-SC-45	1.47+01 1.47+01	1 N,P
39-Y -89	1.47+01 1.47+01	1 N,P
57-LA-133	1.47+01 1.47+01	1 N,P
76-OS-189	1.47+01 1.47+01	1 N,P

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-250 ***

REF.NO.=1675

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1675

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
1675	76-05-190	1.47+01 1.47+01	1 N,P
1676 NUCLEAR PHYS. 73, 352 (1965) N.W.GOLCHERT, D.G.CARDNER, J.SEDLEY (IIT) ACTIVATION	7-N -14	1.41+01 1.41+01	1 N,2N
1677 BULL. AM. PHYS. SOC. 7, 72 (1962) J.P.MARTIN, M.S.ZUCKER (BNL) LIQUID OXYGEN SAMPLE	8-O -NAT	1.51+00 2.25+00	35 ELASTIC D(A)
1678 HELV. PHYS. ACTA 35, 351 (1962) W.HUNZINGER, P.HUBER (BASEL) IONIZATION CHAMBER	8-O -NAT	2.00+00 4.11+00	429 ELASTIC D(A)
1679 PHYS. REV. 156, 1201 (1967) P.L.BEACH, R.W.FINLAY, R.L.CASSOLA, R.D.KOSHEL (DHIO UNIV.) LIQUID SAMPLES, CYLINDRICAL SCATTERERS, ASSOCIATED PARTICLE TIME OF FLIGHT SPECTROMETER	8-O -NAT 8-D -NAT 18-AR-NAT 18-AR-NAT	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	1 ELASTIC 22 ELASTIC D(A) 1 ELASTIC 23 ELASTIC D(A)
1680 NUCLEAR PHYS. 22, 96 (1961) N.CINDRO, I.SLAUS, P.TOMAS, B.EMAN (ZAGREB) CSI(TL) SCINTILLATION CRYSTAL	8-D -16	1.44+01 1.44+01	5 N,A D(A)
1681 NUCLEAR PHYS. 75, 353 (1966) W.J.MC DONALD, J.M.ROBSON, R.MALCOLM (UNIV.D.TOWA) TIME OF FLIGHT	8-O -NAT 8-O -16 8-O -16 8-O -16	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 ELASTIC 3 N,N' 11 ELASTIC D(A) 41 N,N' D(A)
1682 IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/81 (1966) M.BORMANN, F.DREYER, H.NEUERT, I.RIEHLE, U.ZIELINSKI (HAMBURG) ACTIVATION. SEE ALSO REFERENCE 1768	8-O -16 12-MG-25 12-MG-26 16-S -32 16-S -34 28-NI-98 34-SE-74 37-RB-85 37-RB-85	1.33+01 1.66+01 1.30+01 1.66+01 1.30+01 1.66+01 1.47+01 1.96+01 1.40+01 1.66+01 1.29+01 1.96+01 1.29+01 1.96+01 1.29+01 1.96+01 1.29+01 1.96+01	15 N,P 12 N,P 12 N,A 6 N,T 6 N,P 10 N,P 10 N,P 10 N,P 10 N,A
1683 EANDC(E)-57U PAGE 150 (1965) J.CABE, M.LAURAT, P.YYON TRANSMISSION	9-F -19 13-AL-27 82-PB-NAT	4.67+01 1.14+00 6.05+01 1.20+00 6.00+01 1.20+00	153 TOTAL 173 TOTAL 175 TOTAL
1684 EANDC(E)-66U PAGE 64 (1966) R.BASS, P.HAUO, K.KRUGER, B.STADINNUS (UNIV FRANKFURT) ACTIVATION	9-F -19 9-F -19 11-NA-23 11-NA-23 11-NA-23 13-AL-27 14-SI-28 15-P -31	4.98+00 8.97+00 4.98+00 8.97+00 5.80+00 8.97+00 5.30+00 8.00+00 6.80+00 8.97+00 6.00+00 9.00+00 6.00+00 9.00+00 6.12+00 9.00+00	159 N,P 162 N,A 128 N,P 109 N,P 88 N,A 121 N,P 121 N,P 116 N,A
1685 HELV. PHYS. ACTA 39, 376 (1966) T.KNEILWOLF, J.ROSSEL (U.NEUCHATEL)	9-F -19 9-F -19	6.00+00 6.00+00 6.00+00 6.00+00	1 N,A 4 N,A D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-251 ***

REF.NO.=1685

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1685 TWO PROPORTIONAL AND ONE SOLID STATE COUNTER IN COINCIDENCE HELV. PHYS. ACTA 38, 665 (1985)				
1686 PHYS. REV. 163, 1308 (1967) H.O.MENLOVE, K.L.COOP, H.A.GRENCH, P.SHER (LOCKHEED) ACTIVATION	9-F -19 11-NA-23 13-AL-27 25-MN-55 49-IN-115 49-IN-115 67-HO-165	1.27+01 1.93+01 1.35+01 1.93+01 6.13+00 1.93+01 1.27+01 1.93+01 9.70-01 1.93+01 1.27+01 1.93+01 1.27+01 1.93+01	10 N,2N 7 N,2N 10 N,A 10 N,2N 20 N,N' 10 N,2N 10 N,2N	
1687 NUCLEAR PHYS. 86, 378 (1966) G.C.BONAZZOLA, E.CHIAVASSA, T.BRESSANI (UNIV.TURIN) TIME OF FLIGHT	9-F -19 9-F -19	1.4+01 1.42+01 1.42+01 1.42+01	11 SCATTER D(A) 39 N,N' D(A)	
1688 PHYS. REV. 106, 767 (1957) F.L.RIBE (LASL) COUNTER SCINTILLATOR COINCIDENCE TELESCOPE	9-F -19	1.41+01 1.41+01	22 N,D D(A)	
1689 NUOVO CIMENTO 42, 297 (1966) E.KONDAIAH, R.PATELL (TATA INST.) NUCLEAR EMULSION	10-NE-NAT	1.41+01 1.41+01	1 N,P	
1690 COMPT. REND. 252, 3973 (1961) J.C.CARRE, M.ROBIN, R.VIDAL (FRANCE) PILE OSCILLATOR METHOD	10-NE-NAT	2.50-08 2.50-08	1 ABSORP SPECT.AV.	
1691 PHYS. REV. 148, 1303 (1966) V.E.KROHN, G.R.RINGO (ANL) NEON FREE-ATOM VALUE OBTAINED FROM TRANSMISSION. OTHERS FROM SCATTERING CHAMBERS AND NORMALIZED TO NEON VALUE	10-NE-NAT 10-NE-21 10-NE-22 18-AR-NAT 18-AR-36 18-AR-38 36-KR-NAT 94-XE-NAT	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 FREE SPECT.AV. 1 FREE SPECT.AV. 1 FREE SPECT.AV. 1 FREE SPECT.AV. 1 FREE SPECT.AV. 1 FREE SPECT.AV. 1 FREE SPECT.AV. 1 FREE SPECT.AV.	
1692 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/81 (1965) A.LANGSFORD, P.H.BOWEN, G.C.COX, F.W.K.FISK, D.B.MC CONNELL, B.ROSE, M.J.M.SALTMARSH (ACRE) HIGH RESOLUTION TIME OF FLIGHT SPECTROMETER	11-NA-23	1.79-01 1.20+02	1934 TOTAL	
1693 EANDC(E)-650 PAGE 49 (1966) M.BORMANN, G.WOLFER USED NaI CRYSTAL FOR BOTH TARGET AND DETECTOR WITH PULSE SHAPE DISCRIMINATION	11-NA-23 11-NA-23	1.26+01 1.87+01 1.26+01 1.87+01	7 N,A 7 N,XA	
1694 J. NUCLEAR ENERGY, PARTS A/B, 19, 447 (1965) P.W.MARTIN, O.T.SIEMART (UNIV.GLASGOW) NaI CRYSTAL WITH TIME OF FLIGHT DISCRIMINATION BETWEEN GAMMAS AND NEUTRONS	11-NA-23 12-MG-24 14-SI-28 16-S -32 25-MN-55	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 N,XG 1 N,N' 1 N,XG 1 N,N' 1 N,N'	
1695 NUCLEAR PHYS. 95, 229 (1967) J.CSIKAI, G.PETO, M.BUCZKO, Z.MILIGY, N.A.EISSA (DEBRECEN)	11-NA-23 13-AL-27	1.34+01 1.50+01 1.47+01 1.47+01	8 N,G 1 N,G	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1695

REF BIBLIOGRAPHY

REF	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1695 ACTIVATION	14-SI-30	1.47+01 1.47+01	1 N.O	
MAGY. FIZ. 16, 123 (1968)	15-P -31	1.47+01 1.47+01	1 N.O	
PVT.COMM.(1967)CSIKAI VIA NNCSC FOR PR AND HO	20-CA-48	1.47+01 1.47+01	1 N.O	
	21-SC-45	1.47+01 1.47+01	1 N.O	
	22-TI-50	1.47+01 1.47+01	1 N.O	
	23-V -51	1.47+01 1.47+01	1 N.O	
	25-MN-55	1.34+01 1.50+01	8 N.O	
	39-Y -89	1.47+01 1.47+01	1 N.O	
	45-RH-103	1.34+01 1.50+01	8 N.O	
	51-SB-123	1.47+01 1.47+01	1 N.O	
	57-LA-139	1.47+01 1.47+01	1 N.O	
	59-PR-141	1.22+01 1.50+01	8 N.O	
	67-HO-165	1.34+01 1.50+01	8 N.O	
	82-PB-208	1.34+01 1.50+01	8 N.O	
	83-BI-209	1.47+01 1.47+01	1 N.O	
1696 NUCLEAR PHYS. 33, 177 (1962) D.N.KAUL (SAHA)	11-NA-23	1.40+01 1.40+01	18 N.A	DIA)
NUCLEAR EMULSIONS				
1697 NUCLEAR PHYS. 69, 153 (1965) C.S.KHURANA, I.M.OJVIL	11-NA-23	1.40+01 1.40+01	1 N.P	
(PUNJABI U.)	14-SI-28	1.40+01 1.40+01	1 N.P	
ACTIVATION	14-SI-30	1.40+01 1.40+01	1 N.A	
	16-S -32	1.40+01 1.40+01	1 N.P	
	16-S -32	1.40+01 1.40+01	1 N.T	
	16-S -34	1.40+01 1.40+01	1 N.A	
	17-CL-37	1.40+01 1.40+01	1 N.P	
	19-K -41	1.40+01 1.40+01	1 N.P	
	19-K -41	1.40+01 1.40+01	1 N.A	
	20-CA-40	1.40+01 1.40+01	1 N.T	
	20-CA-44	1.40+01 1.40+01	1 N.P	
	20-CA-44	1.40+01 1.40+01	1 N.A	
	23-V -51	1.40+01 1.40+01	1 N.P	
	24-CR-52	1.40+01 1.40+01	1 N.P	
	25-MN-55	1.40+01 1.40+01	1 N.A	
	27-CO-59	1.40+01 1.40+01	1 N.T	
	27-CO-59	1.40+01 1.40+01	1 N.A	
	63-EU-153	1.40+01 1.40+01	1 N.A	
	66-DY-164	1.40+01 1.40+01	1 N.A	
1698 PHYS. REV. 163, 1299 (1967) H.O.MENLOVE, K.L.COOP.	11-NA-23	9.70-01 1.93+01	17 N.O	
H.A.GRENCH, R.SHER (LOCKHEED)	25-MN-55	9.70-01 1.93+01	17 N.O	
ACTIVATION	49-IN-115	9.70-01 1.93+01	17 N.O	
	67-HU-165	9.70-01 1.93+01	17 N.O	
1699 UKR. FIZ. Zh. 6, 1399 (1963) I.A.KORZH, M.I.SKLYAR (USSR)	11-NA-23	3.00-01 3.00-01	1 ELASTIC	
WE HAVE CONVERTED ANGULAR DISTRIBUTIONS TO THE CM SYSTEM	11-NA-23	3.00-01 3.00-01	8 ELASTIC DIA)	
	12-MO-NAT	3.00-01 3.00-01	1 ELASTIC	
	12-MO-NAT	3.00-01 3.00-01	8 ELASTIC DIA)	
	13-AL-27	3.00-01 3.00-01	1 ELASTIC	
	13-AL-27	3.00-01 3.00-01	8 ELASTIC DIA)	
	19-K -NAT	3.00-01 3.00-01	1 ELASTIC	
	19-K -NAT	3.00-01 3.00-01	8 ELASTIC DIA)	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-253 ***

REF. NO. = 1699

TARGET EN. RANGE (MEV) PIS DESCRIPTION

26-FC-NAT	3.00-01	3.00-01	1 ELASTIC
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11-NA-53	1.47:01	1.47:01	8 N,XO	01A1
16-S-NAT	1.47:01	1.47:01	14 N,XO	01A1
17-S-NAT	1.47:01	1.47:01	13 N,XO	01A1

N2' N 1	10-54-1	10-54-1	502-18-88
N2' N 1	10-54-1	10-54-1	62-P8-NAT

12-MO-NAT	2	17.00	2.83	00	9	1017
29-CO-NAT	1	25.00	1.45	01	18	1017
26-FC-NAT	1	25.00	1.43	01	17	1017
13-AL-NAT	1	23.01	1.60	01	38	1017
12-MO-NAT	1	23.01	1.48	01	24	1017

D(8)	7	N.XO	1	1.40-01	1.40-01
D(9)	9	N.XO	1	1.40-01	1.40-01
D(1)	2	N.XO	1	1.40-01	1.40-01

12-MC 141 2.77.00 2.77.00 IN SCATTER DIAI

12-MC-747 6-91-01 4-0-01 264 PLASTIC DIAI

REPORT (7) NAME (REV) PIS DESCRIPTION

... 452-5 ...

07/04/76

EC510-7500 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1705

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1706	58-CE-NAT	6.79-01 1.10+00	408	ELASTIC D(A)
1707 USNRDL-TR-861 (1965) W.E. THOMPSON, F. CLENNESSER (USNRDL) CYLINDRICAL TARGETS SHIELDED NAT CRYSTAL DETECTOR	NAT 13-AL-27 22-TI-NAT 26-FE-NAT	1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01	13 11 9 12	N,XG D(A) N,XG D(A) N,XG D(A) N,XG D(A)
1708 (AD. FIZ. 1. 803 (1965) V.N. BOCHKAREV, V.V. NEFEDOV (LEBEDEV INST.) RING GEOMETRY WITH ORGANIC SCINTILLATOR	12-MG-24 13-AL-27 16-S -NAT	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	8 7 6	N,XG D(A) N,XG D(A) N,XG D(A)
1709 PRIVATE COMMUNICATION (1965) A. ARNOLD (UNIV. GEORGIA) VIA BNL SIGMA CENTER	12-MG-24 13-AL-27 14-SI-20 16-S -32 17-CL-35	1.7+01 1.82+01 1.39+01 1.79+01 1.70+01 1.00+01 1.59+01 1.76+01 1.32+01 1.74+01	8 9 5 5 11	N,2N N,2N N,2N N,2N N,2N
1710 BULL. AM. PHYS. SOC. 12, 124 (1967) A.P. ARYA, D.L. CAMPBELL, R.D. WILSON (W. VIRGINIA UNIV.) NAT CRYSTAL	12-MG-24 13-AL-27 22-TI-40 24-CR-52 26-FE-56 29-CU-63 29-CU-65	1.43+01 1.43+01 1.43+01 1.43+01 1.43+01 1.43+01 1.43+01 1.43+01 1.43+01 1.43+01 1.43+01 1.43+01 1.43+01 1.43+01	1 2 1 1 1 1 1	N,XG D(A) N,XG D(A) N,XG D(A) N,XG D(A) N,XG D(A) N,XG D(A) N,XG D(A)
1711 J. NUCLEAR ENERGY, PARTS A/B, 10, 417 (1964) J.W. BOLDEMAN (AECRE) ACTIVATION	12-MG-24 13-AL-27 13-AL-27 15-P -31 16-S -32 22-TI-46 22-TI-47 22-TI-48 26-FE-54 26-FE-56 28-NI-58 28-NI-58 30-ZN-64 30-ZN-67 42-MO-92 42-MO-95	2.00+00 2.00+00	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N,P N,P N,A N,P N,P N,P N,P N,P N,P N,P N,P N,P N,P N,P N,P N,P SPECT. AV.
1712 NUCLEAR PHYS. 98, 65 (1967) J.M. FERGUSON, J.C. ALBERGOTTI (USNRDL) ACTIVATION	12-MG-24 13-AL-27 13-AL-27	1.23+01 1.39+01 1.23+01 1.38+01 1.23+01 1.48+01	53 40 54	N,P N,P N,A
1713 NUCLEAR PHYS. 73, 561 (1965) S.C. MATHUR, W.E. TUCKER, R.W. BENJAMIN, J.L. MORGAN (TEXAS NUCLEAR) TWO CRYSTAL TOTAL ABSORPTION GAMMA-RAY SPECTROMETER, CYLINDRICAL TARGETS	12-MG-24 12-MG-24 12-MG-24 12-MG-26 12-MG-26 13-AL-27	3.00+00 4.35+00 3.00+00 4.35+00 3.00+00 4.35+00 3.00+00 4.35+00 3.00+00 4.35+00 3.57+00 4.57+00	4 4 32 15 34 17	N,XG N,XG N,XG N,XG N,XG N,XG D(A) D(A) D(A) D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-255 ***

REF. NO. = 1713

07/04/76

FCSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1713

REF BIBLIOGRAPHY

1713

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
13-AL-27	4.07+01 4.57+00	125	N,XG D(A)
14-SI-28	3.00+00 4.00+00	3	N,XG
14-SI-28	3.00+00 4.00+00	21	N,XG D(A)

1714 NUKLEONIK B. 315 (1966) H.LISKIEN, A.PAULSEN (GEEL)
ACTIVATION

12-MG-24	6.06+00 8.20+00	17	N,P
13-AL-27	6.06+00 8.20+00	17	N,A
26-FE-56	6.06+00 8.20+00	17	N,P
27-CO-59	6.53+00 8.20+00	13	N,A
29-NI-60	6.23+00 8.25+00	10	N,P
29-CU-63	6.73+00 8.25+00	8	N,A

1715 USNROL-TR-916 (1965) F.C.ENGRESSER, W.E.THOMPSON (USNROL)
CYLINDRICAL TARGET, SHIELDED NAI CRYSTAL DETECTOR

12-MG-24	2.8+00 2.80+00	1	N,XG D(A)
12-MG-25	2.80+00 2.80+00	1	N,XG D(A)
12-MG-26	2.80+00 2.80+00	1	N,XG D(A)
13-AL-27	2.80+00 2.80+00	3	N,XG D(A)
14-SI-28	2.80+00 2.80+00	1	N,XG D(A)
22-TI-48	2.80+00 2.80+00	2	N,N' D(A)
22-TI-48	2.80+00 2.80+00	2	N,XG D(A)
22-TI-50	2.80+00 2.80+00	1	N,N' D(A)
22-TI-50	2.80+00 2.80+00	1	N,XG D(A)
26-FE-NAT	2.80+00 2.80+00	1	N,N' D(A)
26-FE-54	2.80+00 2.80+00	1	N,N' D(A)
26-FE-54	2.80+00 2.80+00	1	N,XG D(A)
26-FE-56	2.80+00 2.80+00	3	N,N' D(A)
26-FE-56	2.80+00 2.80+00	3	N,XG D(A)

1716 PRIVATE COMMUNICATION (1961) R.B.WALTON (GENERAL ATOMIC)
DATA RECEIVED FROM NNCSC, TIME OF FLIGHT

6-C -NAT	1.85-09 1.85-09	1	TOTAL
33-AS-79	2.53-08 2.53-08	1	TOTAL
33-AS-79	2.05-09 4.05-05	172	TOTAL

1717 IKF-13 (1965) R.BASS (FRANKFURT)
SCINTILLATION CRYSTAL USED AS BOTH TARGET AND DETECTOR WITH
PULSE SHAPE DISCRIMINATION

11-NA-23	8.00+00 8.80+00	10	N,P
11-NA-23	8.00+00 8.80+00	12	N,A

1718 PRIVATE COMMUNICATION (1968) W.DILG, H.K.VONACH, O.WINKLER,
P.HILLE (MUNICH)
ACTIVATION RELATIVE TO AL27(N,ALPHA) VALUE OF 111.5 MB

58-CE-140	1.47+01 1.47+01	1	N,2N
58-CE-142	1.47+01 1.47+01	1	N,2N
60-ND-142	1.47+01 1.47+01	1	N,2N
64-GO-154	1.47+01 1.47+01	1	N,2N
66-DY-160	1.47+01 1.47+01	1	N,2N
67-HO-165	1.47+01 1.47+01	1	N,2N
68-ER-166	1.47+01 1.47+01	1	N,2N
69-TM-169	1.47+01 1.47+01	1	N,2N
70-YB-170	1.47+01 1.47+01	1	N,2N
71-LU-175	1.47+01 1.47+01	1	N,2N
71-LU-175	1.47+01 1.47+01	1	N,2N
72-HF-176	1.47+01 1.47+01	1	N,2N
74-W-182	1.47+01 1.47+01	1	N,2N
77-IR-191	1.47+01 1.47+01	1	N,2N
73-AU-197	1.47+01 1.47+01	1	N,2N
79-AU-197	1.47+01 1.47+01	1	N,2N
80-HG-198	1.47+01 1.47+01	1	N,P,N
80-HG-204	1.47+01 1.47+01	1	N,2N

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-256 ***

REF.NO.=1718

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1718

REF BIBLIOGRAPHY

1718

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
81-TL-203	1.47+01 1.47+01	1	N,2N
82-PB-204	1.47+01 1.47+01	1	N,2N

1719 WADC TECHNICAL REPORT-59-31 (1959) N.A. BOSTROM, I.L. MORGAN, J.T. PRUD' HOMME, P.L. OK'UYSEN, JR., O.M. HUDSON, JR. (TEXAS NUCLEAR)
RING GEOMETRY WITH NA(TL) CRYSTAL FOR GAMMA-RAY PRODUCTION.
TIME OF FLIGHT FOR NEUTRON ELASTIC AND INELASTIC SCATTERING.
ACTIVATION FOR THERMAL VALUE

7-N -NAT	4.20+00 7.50+00	2	N,XG D(A)
7-N -NAT	7.50+00 7.50+00	1	N,XG D(A)
26-FE-NAT	1.00+00 1.49+01	20	N,XG D(A)
26-FE-NAT	1.06+00 4.70+00	23	N,XG D(A)
26-FE-NAT	3.67+00 4.21+00	18	N,N' E1-E2,D(A)
28-NI-NAT	1.44-01 5.50-01	12	N,XG
28-NI-NAT	2.50-08 2.50-08	1	ACTIVAT SPECT. AV.
82-PB-NAT	3.67+00 4.70+00	3	ELASTIC D(A)
82-PB-NAT	3.67+00 4.70+00	43	ELASTIC D(A)
82-PB-NAT	3.46+00 4.59+00	15	N,XG D(A)
82-PB-NAT	4.18+00 4.18+00	3	N,XG D(A)
82-PB-NAT	3.67+00 4.70+00	28	N,N' E1-E2,D(A)
82-PB-208	3.26+00 4.59+00	11	N,XG D(A)

1720 AFSC-TR-60-30 (1960) J.T. PRUD' HOMME, I.L. MORGAN, J.H. MC CARY, J.B. ASHE, O.M. HUDSON, JR. (TEXAS NUCLEAR)
RING GEOMETRY AND NA(TL) CRYSTAL FOR GAMMA RAY PRODUCTION.
TIME OF FLIGHT FOR NEUTRON DETECTION. ACTIVATION FOR N,2N. NO
CORRECTIONS FOR MULTIPLE SCATTERING. SEE ALSO
SULL. AM. PHYS. SOC. 5, 246 (1960)

4-BE-9	1.50+01 1.50+01	19	N,N' EMS E1-E2,D(A)
5-B -11	1.50+01 1.50+01	1	N,XG D(A)
6-C -12	1.50+01 1.50+01	2	N,XG D(A)
7-N -14	1.38+01 1.53+01	6	N,2N
8-O -16	1.50+01 1.50+01	1	N,XG D(A)
9-F -19	1.32+01 1.53+01	8	N,2N
12-MG-NAT	1.50+01 1.50+01	1	N,XG D(A)
13-AL-27	1.50+01 1.50+01	8	N,XG D(A)
13-AL-27	1.50+01 1.50+01	6	N,XG E1-E2,D(A)
14-SI-NAT	1.50+01 1.50+01	1	N,XG D(A)
26-FE-NAT	1.50+01 1.50+01	4	N,XG D(A)
26-FE-NAT	1.50+01 1.50+01	6	N,XG E1-E2,D(A)
27-CO-59	1.50+00 1.50+01	10	N,N' EMS E1-E2,D(A)
28-NI-NAT	1.50+01 1.50+01	6	N,XG E1-E2,D(A)
29-CU-NAT	1.50+01 1.50+01	6	N,XG E1-E2,D(A)
29-CU-63	1.32+01 1.53+01	8	N,2N
29-CU-65	1.32+01 1.53+01	8	N,2N
40-ZR-NAT	1.50+01 1.50+01	2	N,XG D(A)
42-MO-NAT	1.50+00 1.50+01	10	N,N' EMS E1-E2,D(A)
48 - NAT	1.50+01 1.50+01	5	N,N' EMS E1-E2,D(A)
51-SB-121	1.32+01 1.53+01	6	N,2N
74-W -NAT	1.50+01 1.50+01	10	N,N' EMS E1-E2,D(A)

1721 AEC-TR-4718 (1960) V.V. NEFEDOV, YU.P. POPOV, YU.S. YAZVETSKII (USSR)
PAIRED SCINTILLATION SPECTROMETER. CS(TL) CRYSTALS

6-C -12	1.40+01 1.40+01	2	N,XG
8-O -NAT	1.40+01 1.40+01	5	N,XG
13-AL-27	1.40+01 1.40+01	5	N,XG
26-FE-NAT	1.40+01 1.40+01	3	N,XG
29-CU-NAT	1.40+01 1.40+01	3	N,XG

1722 UCRL-5768 (1959) E. HALLETT, R. JENSEN (LRL LIVERMORE)
RING GEOMETRY. ALTHOUGH THE DATA ARE PRESENTED FOR PB208, IT
IS NOT CLEAR FROM THE REPORT WHETHER THE CROSS SECTION IS
CORRECTED FOR THE ABUNDANCE OF THE ISOTOPE IN NATURAL LEAD.
THUS IT MAY BE THE PRODUCTION CROSS SECTION FOR THE NATURAL
ELEMENT

82-PB-208	1.40+01 1.40+01	1	N,XG
82-PB-208	1.40+01 1.40+01	5	N,XG D(A)

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-257 ***

REF. NO. = 1722

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1723

REF BIBLIOGRAPHY

1723 UCID-4619 (1963) J. BENVENISTE, N. CHAZAN, A.C. MITCHELL
(LRL LIVERMORE)
RING GEOMETRY, NaI(TL) CRYSTAL. THE AUTHORS ARE NOT ENCHANTED
WITH THEIR RESULTS

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
12-MG-NAT	1.41+01 1.41+01	1 N,XO	
13-AL-27	1.41+01 1.41+01	5 N,XO	
13-AL-27	1.41+01 1.41+01	1 N,XO	
14-SI-NAT	1.41+01 1.41+01	1 N,XG	
14-SI-NAT	1.41+01 1.41+01	1 N,XG	
16-S -NAT	1.41+01 1.41+01	1 N,XO	
16-S -NAT	1.41+01 1.41+01	1 N,XO	
20-CA-NAT	1.41+01 1.41+01	1 N,XG	
20-CA-NAT	1.41+01 1.41+01	1 N,XG	
26-FE-NAT	1.40+01 1.40+01	1 N,XO	
26-FE-NAT	1.40+01 1.40+01	2 N,XO	
28-CU-NAT	1.41+01 1.41+01	1 N,XO	
29-IN-NAT	1.41+01 1.41+01	1 N,XO	
53-CE-NAT	1.41+01 1.41+01	1 N,XO	
82-PB-NAT	1.41+01 1.41+01	1 N,XO	

1724 TEXAS NUCLEAR CORPORATION REPORT (1962) D.O. NELLIS,
R.W. BENJAMIN, J.B. ASHE, J.T. PRUD'HOMME, L.L. MORGAN
(TEXAS NUCLEAR)
SUMMARY TECHNICAL REPORT OF FEBRUARY 22. ANTI-COINCIDENCE
NaI(TL) CRYSTAL SPECTROMETER

6-C -12	1.48+01 1.48+01	1 N,XO	D(A)
13-AL-27	4.04+00 4.04+00	1 N,XO	D(A)
13-AL-27	4.04+00 4.04+00	4 N,XO	D(A)
26-FE-NAT	4.04+00 1.48+01	9 N,XO	D(A)
26-FE-NAT	4.04+00 1.48+01	11 N,XO	D(A)
28-NI-NAT	1.48+01 1.48+01	9 N,XO	D(A)
40-ZR-NAT	4.04+00 1.48+01	4 N,XO	D(A)
40-ZR-NAT	4.04+00 1.48+01	14 N,XO	D(A)
74-W -NAT	1.48+01 1.48+01	5 N,XO	D(A)
82-PB-NAT	4.04+00 1.48+01	3 N,XO	D(A)
82-PB-NAT	4.04+00 1.48+01	12 N,XO	D(A)
82-PB-206	4.04+00 4.04+00	8 N,XO	D(A)
82-PB-206	4.04+00 1.48+01	9 N,XO	D(A)
82-PB-208	4.04+00 1.48+01	2 N,XO	D(A)
82-PB-208	4.04+00 1.48+01	10 N,XO	D(A)

1725 TEXAS NUCLEAR CORPORATION REPORT (1962) D.O. NELLIS,
R.W. BENJAMIN, J.D. HENDERSON, R.L. PREWITT, J.B. ASHE,
L.L. MORGAN, J.T. PRUD'HOMME (TEXAS NUCLEAR)
PROGRESS REPORT OF AUGUST 15. ANTI-COINCIDENCE NaI(TL)
CRYSTAL SPECTROMETER

8-O -NAT	1.48+01 1.48+01	3 N,XO	D(A)
13-AL-27	4.04+00 1.48+01	9 N,XO	D(A)
14-SI-NAT	1.48+01 1.48+01	4 N,XO	D(A)
39-Y -89	4.04+00 4.04+00	7 N,XO	D(A)
82-PB-206	4.04+00 4.04+00	2 N,XO	D(A)
82-PB-207	4.04+00 4.04+00	4 N,XO	D(A)
83-BI-209	4.04+00 4.04+00	5 N,XO	D(A)

1726 PROC. INT. CONF. ON NUCLEAR STRUCTURE, KINGSTON, P.244 (1960)
O.M. VAN PATTER, R.W. JACKIEV (BARTOL)
RING SCATTERER

26-FE-56	1.00+00 3.30+00	9 N,XO
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1727 J. PHYS. SOC. JAPAN 16, 355 (1960) K. NISHIMURA (JAERI)
RING GEOMETRY, NaI(TL) CRYSTAL SPECTROMETER
FINAL DATA FROM K. NISHIMURA (PRIVATE COMMUNICATION, 1971)

26-FE-NAT	3.11+00 4.72+00	55 N,N'	D(A)
29-CU-NAT	3.11+00 4.72+00	62 N,N'	D(A)
30-ZN-NAT	3.11+00 4.72+00	40 N,N'	D(A)
32-GE-NAT	3.11+00 4.72+00	39 N,N'	D(A)
34-SE-NAT	3.11+00 4.72+00	31 N,N'	D(A)

1728 TEXAS NUCLEAR CORPORATION REPORT (1963) J.L. MORGAN, J.B. ASHE,
R.W. BENJAMIN, O.M. HUDSON, JR., S.C. MATHUR, D.O. NELLIS,

3-LI-NAT	1.00+00 1.48+01	3 N,XO	D(A)
6-C -12	1.48+01 1.48+01	1 N,XO	D(A)

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-258 ***

REF. NO. = 1728

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.-1728

REF BIBLIOGRAPHY

1728 C.V.PARKER, W.E.TUCKER (TEXAS NUCLEAR)
ANNUAL PROGRESS REPORT. TOTAL ABSORPTION ANTI-COINCIDENCE
GAMMA RAY SPECTROMETER

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
7-N -NAT	1.48+01 1.48+01	19 N,XG	D(A)
8-O -NAT	1.48+01 1.43+01	14 N,XG	D(A)
8-O -NAT	1.48+01 1.48+01	1 N,XG	D(A)
9-F -19	1.00+00 2.55+00	2 N,XG	D(A)
11-NA-23	1.00+00 4.10+00	4 N,XG	D(A)
11-NA-23	4.10+00 1.48+01	15 N,XG	D(A)
12-MG-NAT	4.10+00 4.10+00	3 N,XG	D(A)
12-MG-NAT	4.10+00 4.10+00	4 N,XG	D(A)
13-AL-27	4.10+00 4.10+00	4 N,XG	D(A)
13-AL-27	4.10+00 4.10+00	4 N,XG	D(A)
14-SI-NAT	4.10+00 4.10+00	2 N,XG	D(A)
14-SI-NAT	1.48+01 1.48+01	19 N,XG	D(A)
16-S -NAT	1.48+01 1.48+01	2 N,XG	D(A)
16-S -NAT	1.48+01 1.48+01	15 N,XG	D(A)
23-V -NAT	1.00+00 1.00+00	1 N,XG	D(A)
24-CR-NAT	4.10+00 4.10+00	1 N,XG	D(A)
24-CR-NAT	4.10+00 1.48+01	22 N,XG	D(A)
25-MN-55	1.00+00 1.00+00	1 N,XG	
26-FE-NAT	4.10+00 4.10+00	3 N,XG	D(A)
26-FE-NAT	4.10+00 4.10+00	7 N,XG	D(A)
26-FE-55	9.50+01 3.00+00	12 N,XG	D(A)
28-NI-NAT	4.10+00 4.10+00	5 N,XG	D(A)
28-NI-NAT	4.10+00 4.10+00	6 N,XG	D(A)
29-CU-NAT	1.00+00 1.00+00	2 N,XG	D(A)
39-Y -89	1.00+00 4.10+00	8 N,XG	D(A)
39-Y -89	4.10+00 1.48+01	19 N,XG	D(A)
40-ZR-NAT	4.10+00 4.10+00	4 N,XG	D(A)
40-ZR-NAT	4.10+00 4.10+00	7 N,XG	D(A)
74-W -NAT	4.10+00 1.48+01	18 N,XG	D(A)
82-PB-206	4.10+00 4.10+00	2 N,XG	D(A)
82-PB-206	1.48+01 1.48+01	19 N,XG	D(A)
82-PB-207	4.10+00 4.10+00	6 N,XG	D(A)
82-PB-207	4.10+00 1.48+01	15 N,XG	D(A)
82-PB-208	3.00+00 4.10+00	35 N,XG	D(A)
82-PB-208	1.48+01 1.48+01	10 N,XG	D(A)
83-BI-209	1.00+00 4.10+00	23 N,XG	D(A)
83-BI-209	2.55+00 1.48+01	23 N,XG	D(A)
92-U -NAT	1.48+01 1.48+01	10 N,XG	D(A)

1729 J. EXPTL. THEORET. PHYS. (USSR) 45, 927 (1963) B.A.BENITSKII,
YU.P.BETIN, YA.GONZATKO (USSR)
RING GEOMETRY WITH NaI(TL) CRYSTAL SPECTROMETER

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
12-MO-24	1.40+01 1.40+01	1 N,XG	

1730 TEXAS NUCLEAR CORPORATION REPORT (1964) I.L.MORGAN, J.B.ASHE,
D.O.NELLIS, R.W.BENJAMIN, S.C.MATHUR, W.E.TUCKER,
O.M.HUDSON, JR., P.S.BUCHANAN (TEXAS NUCLEAR)
TOTAL ABSORPTION ANTI-COINCIDENCE GAMMA RAY SPECTROMETER. SEE
ALSO REFERENCE 942

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
5-C -10	3.50+00 4.75+00	18 N,XG	D(A)
5-C -11	3.50+00 4.75+00	4 N,XG	D(A)
5-C -12	1.30+01 1.58+01	12 N,XG	D(A)
7-N -NAT	1.48+01 1.48+01	1 N,XG	
7-N -NAT	1.48+01 1.48+01	16 N,XG	
7-N -NAT	1.48+01 1.48+01	1 N,XG	
7-N -NAT	1.48+01 1.48+01	63 N,XG	D(A)
7-N -NAT	1.48+01 1.48+01	1 N,XG	D(A)
8-O -NAT	1.48+01 1.48+01	1 N,XG	

REF BIBLIOGRAPHY

TAROT EN. RANGE (MEV) PTS DESCRIPTION

*** 3-259 ***

REF.NO.-1730

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1730

REF BIBLIOGRAPHY

1730

TARGET EN. RANGE (MEV) PTS DESCRIPTION

8-O -NAT	1.42+01	1.48+01	11 N,XG	
8-O -NAT	1.48+01	1.48+01	1 N,XG	
8-O -NAT	1.48+01	1.48+01	58 N,XG	D(A)
8-O -NAT	1.48+01	1.48+01	1 N,XG	D(A)
13-AL-27	3.57+00	4.57+00	27 N,XG	D(A)
20-CA-NAT	4.20+00	4.43+00	31 N,XG	D(A)
20-CA-40	4.20+00	4.43+00	42 N,XG	D(A)
26-FE-NAT	9.60+01	4.70+00	138 N,XG	D(A)
26-FE-56	9.60+01	4.05+01	109 N,XG	D(A)
27-CO-59	3.00+00	4.50+00	35 N,XG	D(A)
58-CE-NAT	3.00+00	4.50+00	39 N,XG	D(A)
92-U -NAT	1.42+01	1.48+01	33 N,XG	D(A)

1731 NUCLEAR PHYS. 73, 579 (1965) S.C.MATHUR, I.L.MORGAN
(TEXAS NUCLEAR)
TOTAL ABSORPTION ANTI-COINCIDENCE GAMMA RAY SPECTROMETER

18-AR-40	3.50+00	3.50+00	2 N,XG	
18-AR-40	3.00+00	4.50+00	37 N,XG	D(A)

1732 PHYS. REV. 158, 1041 (1967) P.S.BUCHANAN, S.C.MATHUR,
W.E.TUCKER, I.L.MORGAN, E.L.HUDSPETH (TEXAS NUCLEAR)
TWO CRYSTAL ANTI-COINCIDENCE GAMMA RAY SPECTROMETER

39-Y -89	3.00+00	4.50+00	66 N,XG	D(A)
39-Y -89	3.25+00	4.00+00	74 N,XG	D(A)
39-Y -89	4.00+00	4.00+00	4 N,XG	D(A)

1733 PHYS. REV. 163, 1252 (1967) R.W.BENJAMIN, I.L.MORGAN
(TEXAS NUCLEAR)
TOTAL ABSORPTION ANTI-COINCIDENCE GAMMA RAY SPECTROMETER

26-FE-54	1.81+00	4.00+00	28 N,XG	D(A)
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1734 PHYS. LETTERS 26, 664 (1968) M.ASOHAR, A.MICHAUDON, D.PAYA
(SACLAY)
GAMMA RAY MULTIPLICITY METHOD. THE TWO GROUPINGS WERE ASSUMED
TO CORRESPOND TO THE TWO DIFFERENT SPIN STATES

92-U -235	1.13+06	3.94+05	24 RES.PARAM.	
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1735 ATOMNAYA ENERGIYA 16, 370 (1964) P.M.ARON, S.S.BUGORKOV,
K.A.PETRZHAK, A.V.SOROKINA (RUSSIA)
ACTIVATION

13-AL-27	1.46+01	1.46+01	1 N,A	
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1736 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P.24 (1965)
B.H.ARMITAGE, J.H.MONTAGUE, N.NATH, A.K.M.SIDDIQ,
D.C.STUPEGIA (AERE)
NAI CRYSTAL

13-AL-27	1.12+00	2.10+00	64 N,XG	D(A)
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1737 EANDC(E)-570 PAGE 151 (1965) J.CABE, M.LAURAT, P.YVON
(FRANCE)
TRANSMISSION WITH HIGH RESOLUTION

13-AL-27	3.71+00	5.24+00	28 TOTAL	
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1738 J. NUCLEAR ENERGY, PARTS A/B, 19, 907 (1966) A.PAULSEN,
H.LISKIEN (GEEL)
ACTIVATION, GAMMA-GAMMA COINCIDENCE WITH TWO NaI(TL) CRYSTALS
EACH 4 X 3 INCHES
EANDC(E)-615 (1965)

12-MG-24	1.26+01	1.95+01	23 N,P	
13-AL-27	1.26+01	1.95+01	23 N,A	
26-FE-56	1.26+01	1.95+01	23 N,2N	
27-CO-59	1.26+01	1.95+01	23 N,2N	

1739 IKF-11 (1965) K.DEBERTIN (U.FRANKFURT)
COUNTER TELESCOPE WITH CsI(TL) CRYSTAL AND TWO XENON
SCINTILLATORS

28-NI-58	8.40+00	8.40+00	1 N,P	
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REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3 260 ***

REF.NO.=1739

07/04/76

EC5IL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1740

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
1740 NP-12330 PAGE 61 (1952) B.MITRA (BOSE) TRANSMISSION IN GOOD GEOMETRY INSCATTERING CORRECTION MADE	13-AL-27 29-CU-NAT 82-PB-NAT	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	1 TOTAL 1 TOTAL 1 TOTAL
1741 PHYSICA 30, 1846 (1964) I.MEERTJE, N.P.VAN WESTEN, A.H.W.ATEN, JR. (AMSTERDAM) ACTIVATION EXPERIMENTS WITH PU-BE NEUTRON SOURCE (80 CM PU)	13-AL-27 13-AL-27 15-P-31 16-S-32 26-FE-56 49-IN-115	4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00	1 N,P SPECT.AV. 1 N,A SPECT.AV. 1 N,P SPECT.AV. 1 N,P SPECT.AV. 1 N,P SPECT.AV. 1 N,N' SPECT.AV.
1742 PHIL. MAG. 43, 1060 (1952) M.J.POOLE (AERE) ANTHRACENE SCINTILLATION COUNTER	13-AL-27 13-AL-27 26-FE-NAT	2.4+00 2.40+00 2.40+00 2.40+00 2.40+00 2.40+00	1 ELASTIC D(A) 1 N,N' E1-E2,D(A) 1 ELASTIC D(A)
1743 PHYS. REV. 139, 412 (1964) D.J.BREDIN (BNL) CYLINDRICAL SCATTERING SAMPLES WITH LIQUID NE213 SCINTILLATOR INCIDENT NEUTRONS HAD POLARIZATION OF 25 PERCENT	13-AL-27 14-SI-NAT 26-FE-NAT 26-FE-NAT 27-CO-59	1.95+00 1.95+00 1.95+00 1.95+00 1.95+00 1.95+00 1.95+00 1.95+00 1.95+00 1.95+00	10 ELASTIC D(A) 10 ELASTIC D(A) 10 ELASTIC D(A) 10 N,N' D(A) 10 ELASTIC D(A)
1744 PHYS. REV. 140, 935 (1965) G.C.BONAZZOLA, E.CHIAVASSA, T.BRESSANI (U.TURIN) TIME OF FLIGHT	13-AL-27 13-AL-27 13-AL-27	1.42+01 1.42+01 1.42+01 1.42+01 1.42+01 1.42+01	7 ELASTIC D(A) 28 N,N' D(A) 4 N,N' A1-A2
1745 PHYS. REV. 115, 993 (1959) G.C.OVERSETH, JR., R.A.PECK, JR. (BROWN U.) NUCLEAR EMULSIONS	13-AL-27	1.40+01 1.40+01	45 N,P D(A)
1746 PHYS. REV. 125, 276 (1962) T.P.STUART, J.D.ANDERSON, C.MOND (LRL LIVERMORE) CYLINDRICAL SCATTERERS. NEUTRONS DETECTED IN A PLASTIC SCINTILLATOR	13-AL-27 20-FE-NAT 90-SN-NAT 83-BI-209	2.40+01 2.40+01 2.40+01 2.40+01 2.40+01 2.40+01 2.40+01 2.40+01	28 ELASTIC D(A) 27 ELASTIC D(A) 29 ELASTIC D(A) 43 ELASTIC D(A)
1747 PHYS. REV. 158, 1142 (1967) A.D.CARLSON, H.H.BARSCHALL (WIS.) TRANSMISSION IN GOOD GEOMETRY. INCIDENT ENERGY CORRECTED AS PER PRIVATE COMMUNICATION (JAN.1968) DAVIS AND NODA	12-MO-NAT 13-AL-27 14-SI-NAT 10-S-NAT 22-TI-NAT 26-FE-NAT 27-CO-59 30-ZN-NAT 39-Y-009 40-ZR-NAT 41-NB-93 47-AG-NAT 50-SN-NAT 51-SB-NAT 59-PR-141 73-TA-NAT 82-PB-NAT RADIO LEAD	4.50+00 4.42+01 1.81+00 1.29+01 4.50+00 1.43+01 4.50+00 1.33+01 4.50+00 7.00+00 4.45+00 7.47+00 4.32+00 7.52+00 4.53+00 7.50+00 4.53+00 7.51+00 4.53+00 7.51+00 4.53+00 7.51+00 4.53+00 7.56+00 4.53+00 7.56+00 4.53+00 7.51+00 4.53+00 7.71+00 2.46+00 7.54+00 2.46+00 7.54+00	501 TOTAL 442 TOTAL 506 TOTAL 459 TOTAL 167 TOTAL 109 TOTAL 61 TOTAL 61 TOTAL 60 TOTAL 60 TOTAL 60 TOTAL 66 TOTAL 61 TOTAL 61 TOTAL 60 TOTAL 64 TOTAL 167 TOTAL 164 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-261 ***

REF.NO.=1747

REF. NO. = 1747

[illegible]

83-BI-209	2.46+00	7.54+00	164	TOTAL
13-AL-27	8.40+01	8.40+01	11	ELASTIC D(A)
23-CU-NAT	8.40+01	8.40+01	12	ELASTIC D(A)
32-PB-NAT	8.40+01	8.40+01	12	ELASTIC D(A)

13-AL-NAT	8.40+01	8.40+01	11 ELASTIC D(A)
29-CU-NAT	8.40+01	8.40+01	12 ELASTIC D(A)
32-PB-NAT	8.40+01	8.40+01	12 ELASTIC D(A)

13-AL-27 3.00+02 3.00+02 9 ELASTIC D(A)

13-AL-27	6.50-01	6.50-01	1	ELASTIC
13-AL-27	6.50-01	6.50-01	8	ELASTIC D(A)
28-N1-NAT	6.50-01	6.50-01	1	ELASTIC
28-N1-NAT	6.50-01	6.50-01	6	ELASTIC D(A)
30-ZN-NAT	6.50-01	6.50-01	1	ELASTIC
30-ZN-NAT	6.50-01	6.50-01	8	ELASTIC D(A)
40-ZR-NAT	6.50-01	6.50-01	1	ELASTIC
40-ZR-NAT	6.50-01	6.50-01	8	ELASTIC D(A)
47-AG-NAT	6.50-01	6.50-01	1	ELASTIC
47-AG-NAT	6.50-01	6.50-01	1	NONELASTIC
47-AG-NAT	6.50-01	6.50-01	8	ELASTIC D(A)
50-SN-NAT	6.50-01	6.50-01	1	ELASTIC
50-SN-NAT	6.50-01	6.50-01	8	ELASTIC D(A)
52-TE-NAT	6.50-01	6.50-01	1	ELASTIC
52-TE-NAT	6.50-01	6.50-01	8	ELASTIC D(A)
56-BA-NAT	6.50-01	6.50-01	1	ELASTIC
56-BA-NAT	6.50-01	6.50-01	8	ELASTIC D(A)
80-HG-NAT	6.50-01	6.50-01	1	ELASTIC
80-HG-NAT	6.50-01	6.50-01	1	NONELASTIC
80-HG-NAT	6.50-01	6.50-01	8	ELASTIC D(A)
82-PB-NAT	6.50-01	6.50-01	1	ELASTIC
82-PB-NAT	6.50-01	6.50-01	8	ELASTIC D(A)

13-AL-27	3.50:00	4.80:00	12 N,N'
13-AL-27	3.50:00	4.80:00	42 ELASTIC D(A)
13-AL-27	3.50:00	4.80:00	99 N,N'
14-SI-NAT	3.50:00	4.80:00	41 ELASTIC D(A)
14-SI-28	3.50:00	4.80:00	5 N,N'
14-SI-28	3.50:00	4.80:00	41 N,N'
15-P-31	3.85:00	4.80:00	8 N,N'
15-P-31	3.50:00	4.80:00	35 ELASTIC D(A)
15-P-31	3.50:00	4.80:00	64 N,N'
16-S- ⁻ NAT	3.50:00	4.80:00	43 ELASTIC D(A)
16-S-32	3.50:00	4.80:00	5 N,N'
16-S-32	3.50:00	4.80:00	43 N,N'

7-N-14	8.00+00	8.00+00	6 N,X0	D(A)
13-AL-27	7.80+00	7.80+00	3 N,X0	D(A)

13-AL-27	9.41-08	9.41-06	1 BOUND
13-AL-27	9.41-06	9.41-06	1 FREE

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1	0.000-0.005	1	0.000-0.005
2	0.005-0.010	1	0.005-0.010
3	0.010-0.015	1	0.010-0.015
4	0.015-0.020	1	0.015-0.020
5	0.020-0.025	1	0.020-0.025
6	0.025-0.030	1	0.025-0.030
7	0.030-0.035	1	0.030-0.035
8	0.035-0.040	1	0.035-0.040
9	0.040-0.045	1	0.040-0.045
10	0.045-0.050	1	0.045-0.050
11	0.050-0.055	1	0.050-0.055
12	0.055-0.060	1	0.055-0.060
13	0.060-0.065	1	0.060-0.065
14	0.065-0.070	1	0.065-0.070
15	0.070-0.075	1	0.070-0.075
16	0.075-0.080	1	0.075-0.080
17	0.080-0.085	1	0.080-0.085
18	0.085-0.090	1	0.085-0.090
19	0.090-0.095	1	0.090-0.095
20	0.095-0.100	1	0.095-0.100
21	0.100-0.105	1	0.100-0.105
22	0.105-0.110	1	0.105-0.110
23	0.110-0.115	1	0.110-0.115
24	0.115-0.120	1	0.115-0.120
25	0.120-0.125	1	0.120-0.125
26	0.125-0.130	1	0.125-0.130
27	0.130-0.135	1	0.130-0.135
28	0.135-0.140	1	0.135-0.140
29	0.140-0.145	1	0.140-0.145
30	0.145-0.150	1	0.145-0.150
31	0.150-0.155	1	0.150-0.155
32	0.155-0.160	1	0.155-0.160
33	0.160-0.165	1	0.160-0.165
34	0.165-0.170	1	0.165-0.170
35	0.170-0.175	1	0.170-0.175
36	0.175-0.180	1	0.175-0.180
37	0.180-0.185	1	0.180-0.185
38	0.185-0.190	1	0.185-0.190
39	0.190-0.195	1	0.190-0.195
40	0.195-0.200	1	0.195-0.200
41	0.200-0.205	1	0.200-0.205
42	0.205-0.210	1	0.205-0.210
43	0.210-0.215	1	0.210-0.215
44	0.215-0.220	1	0.215-0.220
45	0.220-0.225	1	0.220-0.225
46	0.225-0.230	1	0.225-0.230
47	0.230-0.235	1	0.230-0.235
48	0.235-0.240	1	0.235-0.240
49	0.240-0.245	1	0.240-0.245
50	0.245-0.250	1	0.245-0.250
51	0.250-0.255	1	0.250-0.255
52	0.255-0.260	1	0.255-0.260
53	0.260-0.265	1	0.260-0.265
54	0.265-0.270	1	0.265-0.270
55	0.270-0.275	1	0.270-0.275
56	0.275-0.280	1	0.275-0.280
57	0.280-0.285	1	0.280-0.285
58	0.285-0.290	1	0.285-0.290
59	0.290-0.295	1	0.290-0.295
60	0.295-0.300	1	0.295-0.300
61	0.300-0.305	1	0.300-0.305
62	0.305-0.310	1	0.305-0.310
63	0.310-0.315	1	0.310-0.315
64	0.315-0.320	1	0.315-0.320
65	0.320-0.325	1	0.320-0.325
66	0.325-0.330	1	0.325-0.330
67	0.330-0.335	1	0.330-0.335
68	0.335-0.340	1	0.335-0.340
69	0.340-0.345	1	0.340-0.345
70	0.345-0.350	1	0.345-0.350
71	0.350-0.355	1	0.350-0.355
72	0.355-0.360	1	0.355-0.360
73	0.36		

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1753

REF BIBLIOGRAPHY

1753

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
13-AL-27	9.41-06 9.41-06	1	COHERT
83-B1-209	9.41-06 9.41-06	1	BOUND
83-B1-209	9.41-06 9.41-06	1	FREE
83-B1-209	9.41-06 9.41-06	1	COHERT

1754 AERE-PR/NP-9 PAGE 18 (1966) W.M.CURRIE, D.T.STEWART,
J.MARTIN (AERE)
PULSED VAN DE GRAAFF WITH NE213 LIQUID SCINTILLATOR

14-S1-NAT	6.10+00 6.10+00	16	ELASTIC D(A)
14-S1-NAT	6.10+00 6.10+00	16	N,N' D(A)

1755 PRIVATE COMMUNICATION (1965) S.A.COX (ANL)
DATA RECEIVED FROM NNCSC

14-S1-NAT	5.08-01 1.25+00	439	TOTAL
14-S1-NAT	6.34-01 1.18+00	432	ELASTIC D(A)
25-MN-55	6.7 -01 1.22+00	520	ELASTIC D(A)

1756 NUCLEAR PHYS. 79, 231 (1965) D.A.PLETITT, S.O.BUCCINO,
C.E.HOLLANDSWORTH, P.R.BEVINGTON (DUKE)
TIME OF FLIGHT

14-S1-NAT	2.45+00 5.80+00	5	ELASTIC
14-S1-NAT	2.25+00 6.00+00	103	ELASTIC D(A)
14-S1-28	2.45+00 5.80+00	5	N,N'
14-S1-28	2.25+00 6.00+00	101	N,N' D(A)
16-S -NAT	2.45+00 5.80+00	5	ELASTIC
16-S -NAT	2.45+00 6.00+00	55	ELASTIC D(A)
16-S -32	4.00+00 5.80+00	3	N,N'
16-S -32	4.00+00 6.00+00	37	N,N' D(A)

1757 PHYS. REV. 126, 1108 (1962) R.O.LANE, A.J.ELWYN,
A.S.LANGSDORF, JR. (ANL)
RECTANGULAR SLAB PRESSED POWDER SCATTERING SAMPLES. DETECTORS
WERE LARGE TANKS CONTAINING OIL MODERATOR AND 10 BF3 COUNTERS

14-S1-NAT	3.90-02 7.00-01	155	SCATTER D(A)
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1758 USNRDL-TR-791 (1964) F.C.ENCESSER, W.E.THOMPSON, J.M.FERGUSON
(USNRDL)
CYLINDRICAL SCATTERING SAMPLES. NaI(TL) SCINTILLATOR DETECTOR

6-C -12	1.47+01 1.47+01	7	N,XO D(A)
7-N -NAT	1.47+01 1.47+01	9	N,XO D(A)
8-O -NAT	1.47+01 1.47+01	14	N,XO D(A)
14-S1-NAT	1.47+01 1.47+01	17	N,XO D(A)

1759 Z. PHYSIK 190, 295 (1966) J.P.NIKLAUS, R.SIMSON,
H.TRIFTSHAUSER, W.SCHMATZ (MUNICH)
TRANSMISSION

14-S1-NAT	9.42-06 9.42-06	1	FREE
14-S1-NAT	9.42-06 9.42-06	1	INCOHER
82-PB-NAT	9.42-06 9.42-06	1	FREE
82-PB-NAT	9.42-06 9.42-06	1	INCOHER

1760 NUOVO CIMENTO 20, 928 (1961) L.COLLI, G.M.MARCAZZAN,
F.MERZARI, P.G.SONA, P.TOMAS (MILAN)
COINCIDENCE-ANTICOINCIDENCE PROTON TELESCOPE

14-S1-28	1.40+01 1.40+01	4	N,P
14-S1-28	1.40+01 1.40+01	1	N,P D(A)

1761 NUOVO CIMENTO 41, 52 (1966) P.FORTI, E.GADIOLI, A.MARINI
(PISA)
TWO SILICON SEMI-CONDUCTOR DETECTORS IN A COUNTER TELESCOPE

14-S1-28	1.48+01 1.48+01	16	N,A D(A)
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1762 Z. NATURFORSCHG. 21, 829 (1966) W.KOHLER, K.KNOPF (MUNICH)
REACTOR ACTIVATION

14-S1-30	2.50-08 2.50-08	1	N,G SPECT.4V.
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1763 NUCLEAR PHYS. 51, 302 (1964) B.GRIMELAND, P.OPSAHL-ANDERSEN
(U.OSLO)
NaI(TL) SCINTILLATION COUNTER, MEASURED RATIO OF N,2N TO
N,ALPHA. NORMALIZED TO 98 MB VALUE FOR N ALPHA

15-P -31	1.48+01 1.48+01	1	N,2N
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REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF.NO.=1763

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1764

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1764 NUCLEAR PHYS. 66, 419 (1965) A. PEIL (BERLIN) ACTIVATION	15-P -31 19-K -39 19-K -+1 25-MN-55	1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01	1 N.A. 1 N.2N 1 N.A. 1 N.A.	
1765 NUCLEAR PHYS. 68, 369 (1965) G.C. BONAZZOLA, E. CHIARASSA (TURIN) TIME OF FLIGHT, CYLINDRICAL TARGET	15-P -31 7-P -31 15-P -31	1.42+01 1.42+01 1.42+01 1.42+01 1.42+01 1.42+01	1 ELASTIC 11 ELASTIC D(A) 22 N.N'	D(A)
1766 NUCLEAR PHYS. 62, 225 (1965) M. CONJEAUD, B. FERNANDEZ, S. HARAR, J. PICARD, G. SOUCHERE (SACLAY) TIME OF FLIGHT WITH PLASTIC SCINTILLATOR FOR DETECTOR J. PHYSIQUE 24, 822 (1963)	16-S -32 16-S -32 16-S -32 16-S -32	1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01	13 ELASTIC D(A) 13 N.N' D(A) 6 N.N' D(A) 7 N.N' D(A)	
1767 ACTA PHYSICA POLONICA 28, 763 (1965) J. BENISZ, A. JASIELSKA, T. PANEK (CRACOW) NUCLEAR EMULSIONS	16-S -32 16-S -32 16-S -33 16-S -33 19-K -39	3.50-08 3.50-08 2.50-08 2.50-08 3.50-08 3.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 N.A. 1 N.A. 1 N.A. 1 N.A. 1 N.A.	SPECT. AV. SPECT. AV. SPECT. AV. SPECT. AV.
1768 EANDC(E)-66U PAGE 42 (1966) M. BORMANN, F. DREYER, U. ZIELINSKI (U. HAMBURG) ACTIVATION	16-S -32 28-NI-58 28-NI-58 28-NI-62 29-CU-68 38-SR-84 58-CE-140 58-CZ-140	1.59+01 1.59+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.29+01 1.95+01 1.28+01 1.69+01 1.33+01 1.66+01	3 N.2N 1 N.P 1 N.P 1 N.P 1 N.A. 10 N.2N 19 N.2N 15 N.A.	
1769 J. PHYSIQUE, SUPPLEMENT C1-102 (1966) B. CHAMBON, R. BILLEREY, M.R. SALIN, M.J. DEPRIZ (LYON) LOW RESISTIVITY SILICON DETECTORS	16-S -32	2.50+00 3.20+00	39 N.A.	D(A)
1770 NUCLEAR PHYS. 32, 106 (1962) E. WEIGOLD, R.N. GLOVER (CANBERRA) ACTIVATION	16-S -32 27-CO-59 30-2N-64 30-2N-64	1.47+01 1.47+01 1.38+01 1.47+01 1.38+01 1.47+01 1.38+01 1.47+01	1 N.T 3 N.2N 5 N.2N 5 N.P	
1771 NUCLEAR PHYS. 72, 218 (1965) L. GONZALEZ, J. RAPAPORT (U. CHILE) SOLID STATE DETECTOR	16-S -32 16-S -32	3.60+00 3.60+00 3.60+00 3.60+00	1 N.A. 7 N.A.	D(A)
1772 EANDC(E)-57U PAGE 29 (1965) H. KOHLER, K. KNOPF (MUNICH) ACTIVATION	16-S -33 22-TI-46 22-TI-47 22-TI-48	2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00	1 N.P 1 N.P 1 N.P 1 N.P	SPECT. AV. SPECT. AV. SPECT. AV. SPECT. AV.
1773 REV. SCI. INSTR. 36, 887 (1965) B.M. RUSTAD, E. MELKONIAN, H.W. HAVENS, JR., T.L. TAYLOR, F.T. GOULD, J.A. MOORE (COLUMBIA U.) CRYSTAL SPECTROMETER	5102 77-NAT 64-CO-NAT	8.00-10 3.00-06 1.00-08 4.00-06 9.20-09 2.30-07	13 TOTAL 4 TOTAL 15 TOTAL	
1774 NUCLEAR PHYS. 14, 120 (1959) J.M. LEBLANC, R.E. COTE, REF BIBLIOGRAPHY	34-SE-NAT	2.51-05 1.70-02	264 TOTAL	
	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

*** 3-264 ***

REF. NO. = 1774

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1774

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
1774 L.M.BOLLINGER (ANL) TRANSMISSION, NATURAL ELEMENT AND ENRICHED ISOTOPES. BEST RESOLUTION WAS 70 NSEC/M. PHYS. REV. 100, 1248 (1955)	34-SE-74 34-SE-76 34-SE-77 34-SE-78 34-SE-80 34-SE-90 35-BR-NAT 35-BR-79 35-BR-79 35-CR-81	2.70-05 2.72-04 8.60-04 2.60-03 6.90-04 9.98-04 3.82-04 3.82-04 0. 1.50-02 2.00-03 5.30-03 2.85-05 1.68-03 3.00-05 1.50-04 3.55-05 3.17-04 1.02-04 2.05-04	7 RES.PARAM. 4 RES.PARAM. 3 RES.PARAM. 3 RES.PARAM. 1 AV.RES.PARAM. 5 RES.PARAM. 225 TOTAL 1 AV.RES.PARAM. 28 RES.PARAM. 14 RES.PARAM.
1775 PHYS. REV. 151, 879 (1966) D.B.NICHOLS, B.D.KERN, M.T.MC CALLISTREM (U.KENTUCKY) NAI(TL) AND GE(LI) DETECTORS WITH PULSED BEAM TECHNIQUE TO ELIMINATE BACKGROUND	17-CL-NAT 17-CL-35 17-CL-37	2.5+00 4.23+00 2.54+00 4.03+00 2.54+00 4.23+00	17 N,N' 12 N,N' 4 N,N'
1776 PRIVATE COMMUNICATION (1967) G.PETO (DEBRECEN) DATA RECEIVED FROM KNCSC. RELATIVE TO N,2N ON PR-141 VALUE OF 2.05 BARNS	39-Y -89	1.50+01 1.50+01	1 N,N'
1777 PHYSICA 31, 1091 (1965) H.NAOEL, A.H.W.ATEN,JR. (AMS) (DAM) ACTIVATION, HALF-LIVES USED WERE NOT REPORTED FOR MOST OF THE MEASUREMENTS SO THAT FOR CASES IN WHICH THE RESIDUAL NUCLEUS HAS TWO ISOMERS, THE MEANING OF THE VALUES REPORTED HERE ARE NOT CLEAR, SEE ALSO REFERENCE 3685.	9-F -19 17-CL-35 17-CL-35 20-CA-42 20-CA-43 29-CU-65 49-IN-115 49-IN-115 55-CS-133 76-OS-188 76-OS-190	1.42+01 1.42+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.42+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.42+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01	1 N,2N 1 N,P 1 N,A 1 N,P 1 N,P 2 N,2N 1 N,N' 1 N,A 2 N,2N 1 N,P 1 N,A
1778 JINR-P-2199 (1965) E.N.KARZHAVINA, A.B.POPOV, I.I.SHELONTSEV, YU.S.YAZVETSKII (DUBNA)	17-CL-35	4.05-04 4.05-04	3 RES.PARAM.
1779 NUCLEAR PHYS. 75, 561 (1966) S.C.MATHUR, L.L.MORGAN (TEXAS NUCLEAR) ACTIVATION AND GAS SCINTILLATOR	17-CL-37 18-AR-NAT 18-AR-40	1.31+01 2.20+01 1.29+01 2.01+01 1.40+01 2.03+01	12 N,P 9 N,XA 13 N,A
1780 NUCLEAR PHYS. 98, 451 (1967) Y.W.YU, D.G.GARDNER (IIT) ACTIVATION, FLUX MONITORED BY ALIN,ALPHA REACTION USING A VALUE OF 115 MB AT 14.1 MEV	18-AR-40 22-TI-49 22-TI-50 28-NI-62 48-CO-106 48-CO-108 48-CO-110 48-CO-111 48-CO-112 48-CO-112 48-CO-113 48-CO-114 48-CO-114	1.41+01 1.41+01	1 N,A 1 N,A 1 N,A 1 N,A 1 N,A 1 N,2N 1 N,P 1 N,P 1 N,P 1 N,A 1 N,P 1 N,A 1 N,A

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-265 ***

REF.NO.=1780

07/04/76

EC5IL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1780

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1780	48-CD-116 48-CD-116 48-CD-116 48-CD-116 62-PB-20F	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 N,2N 1 N,2N 1 N,P 1 N,A 1 N,A	
1781 NUCLEAR PHYS. 62, 172 (1965) P.R.GRAY, A.R.ZANDER, T.G.EBREY (PHILLIPS PET) GAMMA RAY SPECTROSCOPY, FLUX MONITORED WITH CUS3(N,P) REACTION (ASSUMED 507 MB) AND AL27(N,P) REACTION (ASSUMED 82 MB) AT 14.7 MEV	18-AR-40 16-AR-40 18-AR-40	1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01	1 N,P 1 N,D 1 N,A	
1782 NUCLEAR PHYS. 65, 225 (1965) R.L.D.FRENCH, B.BRADLEY (WINDSCALE) THERMAL ACTIVATION CROSS SECTION RELATIVE TO AU VALUE OF 98.4 BARNS AND CO VALUE OF 37.7 BARNS. RESONANCE INTEGRAL RELATIVE TO 15.34 BARNS FOR AU	18-AR-40 18-AR-40	2.50-08 2.50-08 5.00-07 1.00+00	1 N,G 1 N,G	SPECT.AV. RES.INT.
1783 BULL. AM. PHYS. SOC. 11, 839 (1966) D.B.NICHOLS, M.T.MC ELLISTREH (U.KENTUCKY) NAT(TEL) AND GE(LI) DETECTORS WITH PULSED BEAM TO LESSEN BACKGROUND	19-K -NAT	3.96+00 3.96+00	4 N,XO	
1784 PHYS. REV. 163, 1077 (1967) J.D.REBER, J.D.BRANDENBERGER (U.KENTUCKY) CYLINDRICAL SCATTERERS WITH TIME OF FLIGHT. (TRANSMISSION FOR TOTAL CROSS SECTIONS	19-K -NAT 19-K -NAT 20-CA-NAT 20-CA-NAT	2.06+00 7.91+00 2.06+00 7.91+00 2.06+00 7.91+00 2.06+00 7.91+00	5 ELASTIC 69 ELASTIC D(A) 6 ELASTIC 93 ELASTIC D(A)	
1785 NUCLEAR PHYS. 72, 515 (1965) J.H.TOWLE, W.B.GILBOY (AMRE) TRANSMISSION FOR TOTAL CROSS SECTION. TIME OF FLIGHT SPECTRO- METER FOR SCATTERING	19-K -NAT 19-K -NAT 19-K -NAT 19-K -39 19-K -39 19-K -39 19-K -41	2.00+00 3.77+00 1.49+00 3.76+00 1.49+00 3.76+00 3.76+00 3.76+00 3.76+00 3.76+00 3.76+00 3.76+00 1.49+00 3.76+00	14 TOTAL 4 ELASTIC 55 ELASTIC D(A) 1 N,N' 3 N,N' 42 N,N' 4 N,N'	
1786 NUCLEAR SCIENCE AND ENGINEERING 28, 293 (1967) E.O.BACON, JR., C.J.WICKSTROM (NDL) TRANSMISSION	19-K -NAT 20-CA-NAT	2.37+00 1.55+01 2.37+00 1.59+01	7 TOTAL 7 TOTAL	
1787 EANDC(E)-66U PAGE 39 (1966) H.SCHMEL, W.KOHLER (MUNICH) ACTIVATION	19-K -41 23-V -51 25-MN-55	6.80-07 1.50+01 6.80-07 1.50+01 6.80-07 1.50+01	1 N,G 1 N,G 1 N,G	RES.INT. RES.INT. RES.INT.
1788 PHYS. REV. 152, 1055 (1966) A.K.CHAUBEY, M.L.SENGUPTA (ALIGARH) ACTIVATION WITH 58-GE SOURCE RELATIVE TO 1-127 WITH ASSUMED CROSS SECTION OF 0.82 BARNS	19-K -41 23-V -51 29-CU-65 30-ZN-68 30-ZN-68 31-GA-69 31-GA-71 32-GE-74	2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02	1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-266 ***

REF.NO.=1788

D7/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NQ.=1788

REF BIBLIOGRAPHY

1788

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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32-GE-75	2.40-02 2.40-02	1	N.G
32-GE-76	2.40-02 2.40-02	1	N.G
34-SC-80	2.40-02 2.40-02	2	N.G
34-SC-82	2.40-02 2.40-02	1	N.G
35-BR-79	2.40-02 2.40-02	1	N.G
35-BR-79	2.40-02 2.40-02	1	N.G
35-BR-81	2.40-02 2.40-02	1	N.G
44-RU-104	2.40-02 2.40-02	1	N.G
45-RH-103	2.40-02 2.40-02	1	N.G
45-RH-103	2.40-02 2.40-02	1	N.G
46-PD-108	2.40-02 2.40-02	1	N.G
46-PD-110	2.40-02 2.40-02	1	N.G
47-AG-109	2.40-02 2.40-02	1	N.G
48-CD-116	2.40-02 2.40-02	1	N.G
49-IN-113	2.40-02 2.40-02	1	N.G
52-TE-128	2.40-02 2.40-02	1	N.G
56-BA-138	2.40-02 2.40-02	1	N.G
57-LA-139	2.40-02 2.40-02	1	N.G
58-CE-142	2.40-02 2.40-02	1	N.G
59-PR-141	2.40-02 2.40-02	1	N.G
62-SM-152	2.40-02 2.40-02	1	N.G
62-SM-154	2.40-02 2.40-02	1	N.G
64-GD-158	2.40-02 2.40-02	1	N.G
64-GD-160	2.40-02 2.40-02	1	N.G
74-W-185	2.40-02 2.40-02	1	N.G
75-RE-185	2.40-02 2.40-02	1	N.G
75-RE-187	2.40-02 2.40-02	1	N.G
77-IR-193	2.40-02 2.40-02	1	N.G
78-PT-196	2.40-02 2.40-02	1	N.G
78-PT-198	2.40-02 2.40-02	1	N.G
80-HO-204	2.40-02 2.40-02	2	N.G
82-PB-208	2.40-02 2.40-02	1	N.G

1789 PRIVATE COMMUNICATION (1965) D.C.STUPEGIA, A.A.MADSON,
M.SCHMIDT (ANL)
DATA OBTAINED FROM NNCSC. NO METHOD GIVEN

64-GD-NAT	1.20-03 2.03+00	99	TOTAL
66-DY-NAT	1.05-02 2.03+00	101	TOTAL
67-HO-165	2.50-03 2.03+00	91	TOTAL

1790 BULL. AM. PHYS. SOC. 11, 909 (1966) F.P.CRANSTON, P.B.SNOW,
D.H.WHITE (LRL LIVERMORE)
MOXON RAE DETECTOR, SAMPLES IRRADIATED IN THERMAL COLUMN OF
LPTC. FINAL DATA ARE GIVEN IN
NUCLEAR PHYS. 160, 95 (1971)
FOR SEPARATED ISOTOPES AS WELL AS FOR NATURAL CALCIUM.

20-CA-NAT	2.50-08 2.50-08	1	N.G	SPECT. AV.
20-CA-40	2.50-08 2.50-08	1	N.G	SPECT. AV.
20-CA-42	2.50-08 2.50-08	1	N.G	SPECT. AV.
20-CA-43	2.50-08 2.50-08	1	N.G	SPECT. AV.
20-CA-44	2.50-08 2.50-08	1	N.G	SPECT. AV.
20-CA-46	2.50-08 2.50-08	1	N.G	SPECT. AV.
20-CA-48	2.50-08 2.50-08	1	N.G	SPECT. AV.

1791 BULL. AM. PHYS. SOC. 9, 352 (1964) D.M.ARNOLD, L.A.RAYBURN
(U.GEORGIA)
ACTIVATION

21-SC-45	1.21+01 1.79+01	14	N,2N
21-SC-45	1.26+01 1.79+01	13	N,2N

1792 PRIVATE COMMUNICATION (1961) J.L.PERKIN (AMRE)
ACTIVATION

21-SC-45	1.33+01 1.49+01	7	N,2N
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REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-267 ***

REF.NQ.=1792

07/04/76

ECSIL-7500 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. #1793

REF BIBLIOGRAPHY

1793 PROC. PHYS. SOC. (LONDON) 68, 104 (1955) N.J. PATTENDEN (AERE)
FROM .0015 TO .1 EV USED SLOW CHOPPER, FROM .08 TO 40 EV
USED CRYSTAL SPECTROMETER, FROM 10 TO 5000 EV USED FAST CHOP-
PER. SAMPLE WAS DISC OF COMPRESSED SCANDIUM OXIDE POWDER

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
21-SC-45	1 45-09 5.37-03	190	TOTAL
21-SC-45	2 50-08 2.50-08	1	ABSORP SPECT. AV.
21-SC-45	2 50-08 2.50-08	1	BOUND SPECT. AV.
21-SC-45	2 50-08 2.50-08	1	FREE SPECT. AV.
21-SC-45	2 50-08 2.50-08	1	INCOHER SPECT. AV.
21-SC-45	-1 30-04 3.60-03	4	RES. PARAM.

1794 PHYS. REV. 80, 342 (1950) S.F.HARRIS, C.O.MUEHLHAUSE,
D.DACHMUSSEN, H.P. SCHROEDER, G.F. THOMAS (ANL)
PILE OSCILLATION, BASED ON BORON ABSORPTION VALUE OF 710
BARNES

12-MG-23	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
11-NA-23	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
13-AL-27	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
14-SI-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
16-S-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
17-CL-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
19-K-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
20-CA-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
21-SO-45	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
22-Ti NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
23-V-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
24-CR-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
25-MN-55	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
26-FE-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
27-CO-59	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
28-NI-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
29-CU-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
30-ZN-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
31-GA-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
32-GE-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
33-AS-75	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
34-SE-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
35-BR-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
36-SR-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
40-ZR-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
41-NB-93	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
42-MO-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
44-RU-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
45-RH-103	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
46-PD-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
47-AC-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
50-SN-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
51-SB-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
52-TC-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
53-I-127	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
55-CS-133	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
56-Ba-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
57-LA-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
58-Ce-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
60-ND-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
62-SM-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
64-GO-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
72-HF-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
73-IA-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.
74-W-NAT	2.50-08	2.50-08	1	ABSORP	SPECT. AV.

REF BIBLIOGRAPHY

TARGET	CN.	RANGE (MEV)	PTS	DESCRIPTION
1	1	100	1	100
2	2	200	2	200
3	3	300	3	300
4	4	400	4	400
5	5	500	5	500
6	6	600	6	600
7	7	700	7	700
8	8	800	8	800
9	9	900	9	900
10	10	1000	10	1000

... 3-268 ...

REF. NO. - 1784

07/04/76

ECSEL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1794

REF BIBLIOGRAPHY

1794

TARGET	EN.	RANGE (MEV)	PTS	DESCRIPTION
75-RE-NAT	2.50-78	2.50-08	1	ABSORP SPECT.AV.
77-IR-NAT	2.50-08	2.50-08	1	ABSORP SPECT.AV.
78-PT-NAT	2.50-08	2.50-08	1	ABSORP SPECT.AV.
79-AU-197	2.50-08	2.50-08	1	ABSORP SPECT.AV.
80-HG-NAT	2.50-08	2.50-08	1	ABSORP SPECT.AV.
81-TL-NAT	2.50-08	2.50-08	1	ABSORP SPECT.AV.
82-PB-NAT	2.50-08	2.50-08	1	ABSORP SPECT.AV.
83-BI-209	2.50-08	2.50-08	1	ABSORP SPECT.AV.

1795 YAD. FIZ. 1, 225 (1965) S.A.ROMANOV, F.L.SHAFIRO
(LEBEDEV INST.)
LEAD SLOWING DOWN SPECTROMETER

21-SC-45	1.10-06	4.15-02	57	N,G
21-SC-45	-4.00-04	1.00-03	6	RES.PARAM.

1796 PRIVATE COMMUNICATION (1953) L.M.BOLLINGER (ANL)
DATA RECEIVED FROM NNCSG. NO METHOD GIVEN

22-TI-NAT	1.19-07	7.79-02	102	TOTAL
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1797 INDS40-126E PAGE 7 (1966) D.L.BRODER, A.G.DOVHENKO,
V.E.KOLESOV, A.I.LASHUK, I.P.SADOKHIN (USSR)
GAMMA RAY DETECTION.

6-C -12	1.56+01	1.60+01	2	N,XG
22-TI-NAT	1.10+00	3.21+00	20	N,XG
22-TI-NAT	1.10+00	3.21+00	48	N,XG
26-FE-NAT	4.26+00	1.60+01	19	N,XG

1798 NUCLEAR SCIENCE AND ENGINEERING 7, 193 (1960) R.E.SCHMUNK,
P.D.RANDOLPH, R.M.BRUGGER (MTR)
TRANSMISSION

22-TI-NAT	2.02-09	2.87-07	93	TOTAL
23-V -NAT	2.03-09	2.85-07	93	TOTAL
39-Y -89	2.02-09	2.87-07	93	TOTAL
73-TA-NAT	2.02-09	2.83-07	93	TOTAL
74-W -NAT	2.02-09	2.87-07	93	TOTAL

1799 CAN. J. PHYS. 44, 2337 (1966) H.L.PAI (U.TORONTO)
ACTIVATION

22-TI-46	1.36+01	1.95+01	5	N,2N
22-TI-46	1.36+01	1.95+01	5	N,P
22-TI-47	1.36+01	1.95+01	5	N,P
22-TI-47	1.36+01	1.95+01	5	ACTIVAT
22-TI-48	1.36+01	1.95+01	5	N,P
22-TI-48	1.36+01	1.95+01	5	ACTIVAT
22-TI-49	1.36+01	1.95+01	5	N,P
22-TI-49	1.36+01	1.95+01	5	ACTIVAT
22-TI-50	1.48+01	1.95+01	4	N,P

1800 EANDC(E)-57U PAGE 17 (1965) M.BORMANN, F.DREYER, E.FRETHURST,
P.SCHEHKA (HAMBURG)
ACTIVATION

22-TI-46	1.41+01	1.96+01	7	N,2N
22-TI-46	1.25+01	1.70+01	6	N,P
22-TI-48	1.25+01	1.96+01	9	N,P
27-CO-59	1.41+01	1.41+01	1	N,2N
27-CO-59	1.41+01	1.41+01	1	N,2N
27-CO-59	1.41+01	1.41+01	1	N,2N
27-CO-59	1.41+01	1.41+01	1	N,A

1801 J. NUCLEAR ENERGY 18, 81 (1964) D.R.KOEHLER, W.L.ALFORD
(REDSTONE ARSENAL)
ACTIVATION RELATIVE TO TI-48(N,P) VALUE OF 55 MILLIBARNS

22-TI-46	1.47+01	1.47+01	1	N,P
22-TI-50	1.47+01	1.47+01	1	N,P

1802 ATOMNAYA ENERGIYA 19, 294 (1955) S.P.KAPCHIGASHEV (USSR)
LEAD SLOWING DOWN SPECTROMETER

23-V -NAT	2.50-05	5.50-02	58	N,G
23-V -NAT	1.00-06	5.00-02	1	N,G RES.INT.
40-ZR-NAT	1.30-04	3.50-02	47	N,G

REF BIBLIOGRAPHY

TARGET	EN.	RANGE (MEV)	PTS	DESCRIPTION
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*** 3-269 ***

REF.NO.=1802

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1802

REF BIBLIOGRAPHY

1802

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
40-ZR-NAT	1.00-06 5.00-02	1 N.G	RES.INT.
40-ZR-90	1.20-03 5.00-02	17 N.G	
40-ZR-90	1.00-06 5.00-02	1 N.G	RES.INT.
40-ZR-91	2.70-05 5.60-02	55 N.G	
40-ZR-91	1.00-06 5.00-02	1 N.C	RES.INT.
40-ZR-94	1.50-03 5.70-02	15 N.G	
40-ZR-94	1.00-06 5.00-02	1 N.G	RES.INT.

1803 COO-720-058 (1965) L.A.GALLOWAY, III (CASE)
TRANSMISSION

23-V -NAT 1.01+01 1.72+01 63 TOTAL

1804 NUCLEAR PHYS. 65, 419 (1965) F.MANERO (MADRID)
TRANSMISSION

23-V -NAT	3.1+00 5.21+00	40 TOTAL
49-IN-NAT	3.35+00 5.25+00	33 TOTAL
53-I -127	3.35+00 5.21+00	35 TOTAL
83-BI-209	3.19+00 5.15+00	37 TOTAL

1805 PRIVATE COMMUNICATION (1953) H.PALEVSKY (BNL)
DATA RECEIVED FROM NNCSC. NO METHOD GIVEN

23-V -NAT 6.66-10 3.61-08 48 TOTAL

1806 PROC. PHYS. SOC. (LONDON) 82, 477 (1963) F.W.K.FIRK,
J.E.LYNN, M.C.MOXON (AERE)
TRANSMISSION. RESOLUTION WAS 3 NSEC/M. MULTILEVEL FIT.

23-V -NAT	6.00-04 2.57-02	309 TOTAL
23-V -51	4.16-03 2.23-02	18 RES.PARAM.

1807 PHYS. REV. 159, 1007 (1967) R.L.MACKLIN, J.H.GIBBONS (ORNL)
TOTAL-ENERGY-DETECTOR METHOD, WITH PULSED BEAM TECHNIQUE FOR
TIME SORTING

23-V -NAT	1.04-01 1.82-01	4 N.G
26-FE-NAT	1.25-01 1.82-01	3 N.G
28-NI-NAT	1.25-01 1.82-01	3 N.G
38-SR-86	3.00-02 1.25-01	3 N.G
38-SR-87	3.00-02 1.25-01	3 N.G
39-Y -89	7.00-02 2.20-01	7 N.G
41-NB-93	7.00-02 1.82-01	6 N.G
45-RH-103	7.00-02 1.82-01	4 N.G
47-AO-NAT	1.04-01 1.82-01	4 N.G
52-TE-122	3.00-02 1.25-01	7 N.G
52-TE-123	3.00-02 1.25-01	6 N.G
52-TE-124	3.00-02 1.25-01	6 N.G
52-TE-125	3.00-02 1.25-01	6 N.G
52-TE-126	3.00-02 1.25-01	6 N.G
52-TE-128	3.00-02 1.25-01	6 N.G
52-TE-130	3.00-02 1.25-01	4 N.G
53-I -127	1.25-01 1.82-01	3 N.G
63-EU-NAT	3.00-02 2.00-01	7 N.G
71-LU-175	3.00-02 2.00-01	8 N.G
71-LU-176	3.00-02 2.00-01	8 N.G
74-W -NAT	1.25-01 2.20-01	4 N.G
79-AU-197	1.25-01 1.82-01	3 N.G
82-PB-204	3.00-02 1.57-01	5 N.G

1808 NUCLEAR PHYS. 20, 183 (1960) H.S.HANS, M.L.SENGAL, P.S.GILL
(ALIGARH)
ACTIVATION

34-SE-76	2.50-08 2.50-08	1 N.G	SPECT.AV.
34-SE-78	2.50-08 2.50-08	1 N.G	SPECT.AV.
37-RG-85	2.50-08 2.50-08	1 N.G	SPECT.AV.
38-SR-84	2.50-08 2.50-08	1 N.G	SPECT.AV.
38-SR-84	2.50-08 2.50-08	1 N.G	SPECT.AV.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-270 ***

REF.NO.=1808

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. 1808

REF BIBLIOGRAPHY

1808

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
38-SR-86	2.50-08 2.50-08	1	N,G SPECT.AV.
56-BA-132	2.50-08 2.50-08	1	N,G SPECT.AV.
56-BA-135	2.50-08 2.50-08	1	N,G SPECT.AV.
63-EU-151	2.50-08 2.50-08	1	N,G SPECT.AV.
76-OS-190	2.50-08 2.50-08	1	N,G SPECT.AV.

1809 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/38 (1965)
J.H.TÖHLE, W.B.GILBOY, R.O.OWENS (AWRE)
TIME OF FLIGHT SPECTROMETER

23-V -51	2.35+00 2.35+00	4	N,N'
23-V -51	2.35+00 2.35+00	13	ELASTIC DIA)
23-V -51	2.35+00 2.35+00	43	N,N' DIA)
39-Y -89	3.77+00 3.77+00	1	ELASTIC
39-Y -89	3.77+00 3.77+00	4	N,N'
39-Y -89	3.77+00 3.77+00	2	N,N'
39-Y -89	3.77+00 3.77+00	13	ELASTIC DIA)
39-Y -89	3.77+00 3.77+00	39	N,N' DIA)
39-Y -89	3.77+00 3.77+00	26	N,N' DIA)

1810 PRIVATE COMMUNICATION (1961) J.H.GIBBONS (ORNL)
DATA RECEIVED FROM NNCSC. NO METHOD GIVEN

23-V -51	8.25-03 1.50-01	42	N,G
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1811 ATOMNAYA ENERGIYA 12, 514 (1962) YU.YA.STAVISSKII,
A.V.SHAPAR' (USSR)
DETECTED CAPTURE GAMMAS WITH CaF₂ CRYSTAL DETECTOR

24-CR-NAT	3.50-02 9.00-01	10	N,G
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1812 ATOMNAYA ENERGIYA 16, 256 (1964) S.P.KAPCHIGASHEV, YU.P.POPOV
(USSR)
LEAD SLOWING DOWN SPECTROMETER. ENRICHED ISOTOPES. RESOLUTION
WAS 30 PERCENT FOR ENERGIES LESS THAN 1 KEV AND 70 PERCENT AT
15 KEV.

24-CR-NAT	2.90-06 5.00-02	53	N,G
24-CR-50	2.90-06 5.70-02	44	N,G
24-CR-50	5.50-03 5.50-03	1	RES.PARAM.
24-CR-52	2.90-06 5.00-02	52	N,G
24-CR-52	1.70-03 1.70-03	2	RES.PARAM.
24-CR-53	2.90-06 5.70-02	35	N,G

1813 PRIVATE COMMUNICATION (1965) J.JULIEN (SACLAY)
DATA RECEIVED FROM NNCSC. TRANSMISSION. RESOLUTION WAS 0.8
NSEC/M.
BNL-325 2ND ED. SUPPL.2 (1965)
FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCSC.
NUCLEAR PHYS. 66, 433 (1965) J.JULIEN, S.DE BARROS,
V-D.HUYNH, G.LE MOITTEVIN, J.MORGENSTERN, F.NETTER, C.SAMOUR

35-BR-NAT	0. 1.87-03	1	AV.RES.PARAM.
35-BR-NAT	4.68-04 1.96-03	187	RES.PARAM.
35-BR-79	3.57-05 3.94-04	24	RES.PARAM.
35-BR-81	1.01-04 1.35-04	14	RES.PARAM.

1814 PRIVATE COMMUNICATION (1965) H.BORMANN, F.DREYER, P.JESSEN,
P.SCHEHKA (U.HAMBURG)
ACTIVATION. DATA REPORTED IN
NUCLEAR DATA 1, 171 (1965)

24-CR-50	1.36+01 1.96+01	9	N,2N
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1815 EANDC(E)-65U PAGE 34 (1966) G.RAU (MUNICH)
ACTIVATION. RELATIVE TO NI-58(N,P) VALUE OF 95 MB (FISSION
SPECTRUM AVERAGE) EXCEPT FOR MO WHICH WAS RELATIVE TO TI-46
(N,P) VALUE OF 12.6 MB
NUKLEONIK 9, 228 (1967)

11-AL-27	2.00+00 2.00+00	1	N,A SPECT.AV.
16-S -34	2.00+00 2.00+00	1	N,P SPECT.AV.
19-K -41	2.00+00 2.00+00	1	N,P SPECT.AV.
19-K -41	2.00+00 2.00+00	1	N,A SPECT.AV.
24-CR-52	2.00+00 2.00+00	1	N,P SPECT.AV.
24-CR-53	2.00+00 2.00+00	1	N,P SPECT.AV.
24-CR-54	2.00+00 2.00+00	1	N,P SPECT.AV.
30-ZN-64	2.00+00 2.00+00	1	N,P SPECT.AV.
30-ZN-66	2.00+00 2.00+00	1	N,P SPECT.AV.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-271 ***

REF.NO.=1815

REF BIBLIOGRAPHY

1815

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
30-ZN-67	2.00+00 2.00+00	1	N,P SPECT.AV.
30-ZN-68	2.00+00 2.00+00	1	N,P SPECT.AV.
30-ZN-69	2.00+00 2.00+00	1	N,A SPECT.AV.
42-MO-92	2.00+00 2.00+00	1	N,P SPECT.AV.
42-MO-95	2.00+00 2.00+00	1	N,P SPECT.AV.
42-MO-98	2.00+00 2.00+00	1	N,A SPECT.AV.

1816 MIR-574 (1964) S.TAGESEN, P.HILLE (VIENNA)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
24-CR-52	1.41+01 1.41+01	1	N,N'
29-CU-63	5.70-04 3.12-02	1	AV.RES.PARAM.
29-CU-63	5.78-04 3.12-02	76	RES.PARAM.
29-CU-65	2.2-04 2.58-02	1	AV.RES.PARAM.
29-CU-65	2.30-04 2.57-02	39	RES.PARAM.
56-BA-NAT	9.75-04 2.06-03	24	RES.PARAM.
56-BF-130	4.62-05 8.96-04	13	RES.PARAM.
56-BA-132	5.72-05 5.72-02	4	RES.PARAM.
56-BA-134	1.01-04 5.00-04	2	RES.PARAM.
56-BA-135	2.40-05 9.40-04	1	AV.RES.PARAM.
56-BA-135	2.40-05 1.27-03	57	RES.PARAM.
56-BA-136	5.10-04 5.10-04	2	RES.PARAM.
56-BA-137	2.40-05 9.40-04	1	AV.RES.PARAM.
56-BA-137	4.18-04 1.34-03	10	RES.PARAM.
60-ND-NAT	6.62-04 1.13-03	31	RES.PARAM.
60-ND-143	4.00-06 7.30-04	1	AV.RES.PARAM.
60-ND-143	5.52-05 6.57-04	25	RES.PARAM.
60-ND-144	7.33-04 7.33-04	3	RES.PARAM.
60-ND-145	4.00-06 7.30-04	1	AV.RES.PARAM.
60-ND-145	4.34-06 6.48-04	44	RES.PARAM.
60-ND-148	1.55-04 7.14-04	8	RES.PARAM.
60-ND-150	7.87-05 4.86-04	3	RES.PARAM.

1818 COMPT. REND. 247, 1849 (1958) P.AVIGNON, L.ROSIER (FRANCE)
NUCLEAR EMULSIONS

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
25-MN-55	1.40+01 1.40+01	1	N,XP
25-MN-55	5.00-07 1.50+01	1	ABSORP RES.INT.
26-FE-NAT	5.00-07 1.50+01	1	ABSORP RES.INT.
27-CO-59	5.00-07 1.50+01	1	ABSORP RES.INT.
28-NI-NAT	5.00-07 1.50+01	1	ABSORP RES.INT.
42-MO-NAT	5.00-07 1.50+01	1	ABSORP RES.INT.

1820 PRIVATE COMMUNICATION (1958) F.W.K.FIRK (ACRE)
DATA RECEIVED FROM NNCSC, NO METHOD GIVEN
LONDON, UNIVERSITY OF. THESIS (1957) J.E.EVANS

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
25-MN-55	8.39-04 9.66-03	98	TOTAL
45-RH-103	2.95-05 2.90-04	95	TOTAL
45-RH-103	4.65-05 1.86-04	10	RES.PARAM.

1821 A/CONF. 15, 3 (1958) V.J.ASHBY, H.C.CATRON, L.L.NEWMARK,
C.J.TAYLOR (LRL LIVERMORE)
PAPER P/2494. LARGE LIQUID SCINTILLATOR. THE DATA PUBLISHED
HERE ARE IN ADDITION TO THOSE REPORTED IN REFERENCE 7. THE
AUTHOR OF THIS PAPER IS J.BENVENISTE, BUT HE REPORTS ON THE
WORK OF THE EXPERIMENTERS LISTED ABOVE

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
22-TI-NAT	1.41+01 1.41+01	1	N,2N
25-MN-55	1.41+01 1.41+01	1	N,2N
27-CO-59	1.41+01 1.41+01	1	N,2N
28-NI-NAT	1.41+01 1.41+01	1	N,2N
30-ZN-NAT	1.41+01 1.41+01	1	N,2N
40-ZR-NAT	1.41+01 1.41+01	1	N,2N
42-MO-NAT	1.41+01 1.41+01	1	N,2N
49-IN-NAT	1.41+01 1.41+01	1	N,2N

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1821

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
1821	50-SN-NAT 51-SB-NAT 74-W -NAT	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 N,2N 1 N,2N 1 N,2N
1822 PHYS. LETTERS 4, 211 (1963) R.C.LAMB, M.T.MC ELLISTREM (U.KENTUCKY) MEASURED GAMMA-RAY PRODUCTION CROSS SECTIONS AND ASSUMED KNOWLEDGE OF BRANCHING RATIOS TO OBTAIN LEVEL EXCITATIONS	25-MN-55	2.21+00 2.21+00	5 N,N'
1823 PHYS. REV. 134, 1047 (1964) R.E.COTE, L.H.BOLLINGER, G.E.THOMAS (ANL) ARGONNE FAST CHOPPER. BEST RESOLUTION WAS 12 NSEC/M.	25-MN-55	9.47-09 2.00-02	419 TOTAL
1824 PHYS. REV. 100, 126 (1955) L.H.BOLLINGER, D.A.DAHLBERG, R.R.PALMER, G.E.THOMAS (ANL) ARGONNE FAST CHOPPER. RESOLUTION VARIED FROM 120-500 NSEC/M.	25-MN-55 34-SE-NAT 83-B1-209	3.37-04 2.36-03 2.71-05 3.83-04 8.10-04 2.37-03	12 RES.PARAH. 4 RES.PARAH. 4 RES.PARAH.
1825 ATOMNAYA ENERGIYA 17, 508 (1964) A.V.MALYSHEV, YU.YA.STAVISSKII, A.V.SHAPAR' (USSR)	26-FE-NAT	3.75-02 1.50+00	14 N,0
1826 PRIVATE COMMUNICATION (1955) R.C.ALLEN (LASL) DATA RECEIVED FROM NNCS	26-FE-NAT 83-B1-209	8.00-01 1.50+00 8.00-01 1.50+00	7 NONELAS 9 NONELAS
1827 BULL. AM. PHYS. SOC. 1, 339 (1956) J.B.WEDDELL (WESTINGHOUSE RES.LAB.) NUCLEAR EMULSION	26-FE-NAT 26-FE-NAT 27-CO-59 27-CO-59 28-NI-NAT 28-NI-NAT	4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00	1 ELASTIC D(A) 1 N,N' D(A) 1 ELASTIC D(A) 1 N,N' D(A) 1 ELASTIC D(A) 1 N,N' D(A)
1828 BULL. AM. PHYS. SOC. 1, 55 (1956) J.B.WEDDELL, B.JENNINGS (WESTINGHOUSE RES.LAB.) NUCLEAR EMULSION	26-FE-NAT 26-FE-NAT 42-MO-NAT 42-MO-NAT 42-MO-NAT	6.50+00 6.50+00 6.50+00 6.50+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00 4.40+00	2 ELASTIC D(A) 2 N,N' D(A) 1 ELASTIC D(A) 1 N,N' D(A) 1 N,N' D(A)
1829 NUKLEONIK 6, 371 (1964) F.MITZEL, H.S.PLENOL (KFK) LEAD SLOWING DOWN TIME SPECTROMETER. RESOLUTION WAS 26 PER- CENT AT 1 EV, 15 PERCENT AT 10 KEV, AND 61 PERCENT AT 30 KEV. EANDC(E)-57U PAGE 40 (1965)	26-FE-NAT 42-MO-NAT 42-MO-NAT 47-AO-NAT	8.00-05 2.00-02 8.00-06 2.85-02 1.20-05 1.20-05 2.50-05 2.00-02	34 N,0 47 N,0 6 RES.PARAH. 54 N,0
1831 EANDC(OR)-51L (1966) B.ANTOLKOVIC, B.HOLMOVIST, T.WIEDLING (AB ATOMENERGI) TIME OF FLIGHT. CORRECTED FOR ATTENUATION IN SCATTERING SAMPLE. MULTIPLE SCATTERING AND FINITE ANGULAR RESOLUTION	26-FE-NAT 26-FE-NAT 26-FE-NAT 27-CO-59	4.56+00 4.56+00 4.56+00 4.56+00 4.56+00 4.56+00 1.46+00 4.56+00	5 N,N' 20 ELASTIC D(A) 57 N,N' D(A) 100 ELASTIC D(A)
1832 NUCLEAR PHYS. 84, 239 (1966) A.JACQUOT, C.ROUSSEAU (CEEL) TIME OF FLIGHT. SEE ALSO... EANDC(E)-57U PAGE 96 (1965)	26-FE-NAT 26-FE-NAT 26-FE-NAT	1.26+00 2.28+00 4.50-01 2.28+00 1.26+00 2.28+00	5 N,N' 264 ELASTIC D(A) 63 N,N' D(A)
1833 NUCLEAR SCIENCE AND ENGINEERING 17, 82 (1963) L.E.BEGHIAN, A.Z.PROFID, J.WEBER, S.WILLENSKY (MIT)	26-FE-NAT	9.30-01 1.52+00	6 NONELAS
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION

*** 3-273 ***

REF.NO.=1833

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1833

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1835 PULSED NEUTRONS INJECTED INTO BULK ASSEMBLIES. DECAY
CONSTANTS MEASURED AND NONELASTIC CROSS SECTIONS INFERRED
FROM TOTAL REMOVAL CROSS SECTION

1834 NUCLEAR SCIENCE AND ENGINEERING 19, 431 (1964) J.C.HOPKINS,
M.G.SILBERT (LASL)
TIME OF FLIGHT, NORMALIZED TO HYDROGEN SCATTERING CROSS
SECTIONS

26-FE-NAT 2.00+00 5.00+00 7 N,N'
26-FE-NAT 2.00+00 5.00+00 25 N,N'
26-FE-NAT 3.50+00 5.00+00 13 N,N'
26-FE-NAT 2.00+00 5.00+00 7 ELASTIC D(A)

1835 PRIVATE COMMUNICATION (1955) R.R.PALMER (ANL)
DATA RECEIVED FROM NNCSC. NO METHOD GIVEN

26-FE-NAT 1.46+05 3.75+03 84 TOTAL

1836 PHYS. REV. 132, 801 (1963) J.A.MOORE, H.PALEVSKY, R.E.CHRIEN
(BNL)
FAST CHOPPER. BEST RESOLUTION WAS 15 NSEC/M.

26-FE-NAT 9.28+06 4.91+03 47 TOTAL

1837 PHYS. REV. 86, 132 (1952) P.H.STELSON, H. PAXSON (MIT)
NUCLEAR EMULSIONS

26-FE-NAT 1.87+00 1.87+00 1 ELASTIC D(A)
26-FE-NAT 1.57+00 1.87+00 1 N,N' D(A)

1838 PHYS. REV. 92, 202 (1953) H.PALEVSKY, D.J.HUGHES (BNL)
SLOW CHOPPER. TEMPERATURE OF SAMPLE 1100 DEGREES K

26-FE-NAT 5.28+10 5.98+09 74 TOTAL

1839 YAD. FIZ. 3, 861 (1966) V.M.BEZOTOSNYI, V.G.VEPSHININ,
L.M.SUKOV, M.S.SHVETSOV (USSR)
NaI(TL) SCINTILLATOR

6-C -12 1.40+01 1.40+01 5 N,XO
8-O -NAT 1.40+01 1.40+01 4 N,XO
13-AL-27 1.40+01 1.40+01 9 N,XO
26-FE-NAT 1.40+01 1.40+01 6 N,XO
82-PB-NAT 1.40+01 1.40+01 8 N,XO

1840 NUCLEAR PHYS. 10, 348 (1959) D.L.ALLAN (AERE)
NUCLEAR EMULSIONS

26-FE-54 1.40+01 1.47+01 1 N,XP
29-CU-NAT 1.40+01 1.40+01 1 N,XP

1841 NUCLEAR PHYS. 73, 234 (1965) A.LAUBER, S.G.MALMSKOG
(AB ATOMENERGI)
MEASURED PROTON EMISSION. SINCE THESE ENERGIES ARE BELOW
(N,NP) THRESHOLD, THE CROSS SECTIONS ARE ASSIGNED TO (N,P)
REACTION. USED SILICON SOLID STATE DETECTOR

26-FE-54 2.31+00 3.81+00 9 N,P

1842 NUCLEAR SCIENCE AND ENGINEERING 22, 411 (1965)
E.E.CARROLL, JR., G.G.SMITH (BETTS)
ACTIVATION

26-FE-54 3.55+00 1.74+01 11 N,P

1843 PHYS. REV. 140, 305 (1965) S.R.SALISBURY, R.A.CHALMERS
(LOCKHEED)
ACTIVATION

26-FE-54 1.40+01 1.67+01 2 N,2N
26-FE-54 2.23+00 1.67+01 9 N,P
26-FE-54 2.23+00 1.67+01 9 N,A

1844 PHYS. REV. 154, 1023 (1967) P.V.RAO, R.W.FINK
(GEORGIA INST. TECH.)
ACTIVATION

26-FE-54 1.44+01 1.44+01 1 N,P
26-FC-54 1.44+01 1.44+01 1 N,A
34-SE-74 1.44+01 1.44+01 1 N,2N
34-SE-74 1.44+01 1.44+01 1 N,2N
34-SE-74 1.44+01 1.44+01 1 N,P
34-SE-76 1.44+01 1.44+01 1 N,2N
34-SE-76 1.44+01 1.44+01 1 N,P

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-274 ***

REF.NO.=1844

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1844

REF BIBLIOGRAPHY

	TARGET	EN.	RANGE (MEV)	PTS	DESCRIPTION
1844	34-SE-78	1.44+01	1.44+01	1	N.P.
	34-SE-78	1.44+01	1.44+01	1	N.A.
	34-SE-80	1.44+01	1.44+01	1	N.2N
	34-SE-82	1.44+01	1.44+01	2	N.2N
1845	26-FE-56	1.00+00	3.95-00	27	N.N'
1845 ATOMNAYA ENERGIYA 13, 587 (1962) D.A.KARDASHEV, V.S.STAVINSKII, G.L.BRODER, A.I.LASHUK, I.D.SADOKHIN (USSR)					
1846	26-FE-56	4.57+00	2.03+01	47	N.P.
1846 CAN. J. PHYS. 42, 1030 (1964) D.C.SANTRY, J.P.BUTLER (CHALK R.)	27-CO-59	5.02+00	2.03+01	32	N.A.
ACTIVATION. MEASUREMENTS RELATIVE TO 532(N,P) OF REF. 163					
1847	26-FE-56	1.26+01	1.95+01	28	N.P.
1847 J. NUCLEAR ENERGY, PARTS A/B, 19, 73 (1965) H.LISKIEN, A.PAULSEN (OEEL)	27-CO-59	1.26+01	1.95+01	28	N.A.
ACTIVATION					
1848	29-CU-63	1.26+01	1.95+01	28	N.2N
1848 NUCLEAR PHYS. 51, 337 (1964) G.C.BONAZZOLA, P.BROVETTO, E.CHIAVASSA, R.SPINOGLIO, A.PASQUARELLI (TURIN)					
ACTIVATION					
	13-AL-27	1.47+01	1.47+01	1	N.P.
	13-AL-27	1.47+01	1.47+01	1	N.A.
	26-FE-56	1.47+01	1.47+01	1	N.P.
	29-CU-65	1.47+01	1.47+01	1	N.2N
	29-CU-65	1.47+01	1.47+01	1	N.P.
	46-PD-110	1.47+01	1.47+01	1	N.2N
	92-TE-128	1.47+01	1.47+01	1	N.2N
	92-TE-130	1.47+01	1.47+01	1	N.2N
	67-HO-165	1.47+01	1.47+01	1	N.2N
1849	1-H -1	1.41+01	1.41+01	5	ELASTIC DIA)
1849 ANN. PHYSIK 16, 354 (1965) E.OREINER, H.KARGE (JENA) NUCLEAR EMISSIONS					
1850	27-CO-56	2.00-03	6.00-03	77	TOTAL
1850 BULL. AM. PHYS. SOC. 5, 449 (1960) W.M.GOOD, J.M.GIBBONS, P.D.MILLER, J.W.NEILLER (ORNL)	27-CO-59	4.80-03	3.00-02	6	RES.PARAM.
TIME OF FLIGHT SPECTROMETER. SEE ALSO REFERENCE 924 FOR CUB3 RESULTS. SEE ALSO REFERENCE 2304					
	27-CO-59	4.80-03	5.00-03	2	RES.PARAM.
1851	27-CO-59	5.00-07	1.50+01	1	N.O RES.INT.
1851 CAN. J. PHYS. 41, 1263 (1963) T.A.EASTWOOD, R.O.WERNER (CHALK R.) COMPARISON OF CADMIUM RATIOS FOR GOLD AND COBALT IN 1/E SLOWING DOWN SPECTRA IN TWO THERMAL REACTORS					
1852	27-CO-59	1.32-04	1.32-04	3	RLS.PARAM.
1852 INDSWG-90 PAGE 13 (1965) H.TAKEKOSHI, A.ASAMI, Y.KAWAHASAKI, M.OHKUBO, Y.NAKAJIMA (JAERI) 20 N-SEC/M RESOLUTION TIME OF FLIGHT SPECTROMETER. RESONANCE PARAMETERS OBTAINED BY AREA- AND SHAPE- ANALYSIS					
1853	97-LA-139	7.23-05	9.00-03	10	RES.PARAM.
1853 J. PHYSIQUE 24, 997 (1963) G.BIANCHI, J.COLMIN, C.COROE, V.D.HUYNH, J.JULIEN, J.MORGENSTERN, F.NETTER, M.VAUTE (SACLAY)	60-ND-143	5.53-05	1.27-04	11	RES.PARAM.
TRANSMISSION. RESOLUTION ABOUT 2 NSEC/M. SEC. ALSO REF. 2218.					
	60-ND-145	4.34-06	1.03-04	23	RES.PARAM.
1854	79-AU-197	0	2.5-03	3	AV.RES.PARAM.
1854 NUCLEAR PHYS. 131, 450 (1969) R.N.ALVES, J.JULIEN, J.MORGENSTERN, C.SAMOUR (SACLAY)	79-AU-197	1.02-03	3.08-03	184	RLS.PARAM.
TIME OF FLIGHT TECHNIQUE. RESOLUTION HAS 1.3 EV AT 1600 EV.					

REF BIBLIOGRAPHY

TARGET EN RANGE (MEV) PTS DESCRIPTION

*** 3-279 ***

REF. NO. = 1054

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1854

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PYS DESCRIPTION

1854 SHAPE ANALYSIS. SEE ALSO REF. 1951 FOR LOWER ENERGY DATA.

1855 NUCLEAR PHYS. 68, 445 (1965) H.K. VONACH, J.K. MUNRO, JR. (ANL)
ACTIVATION MEASURED THE RATIO OF THE (N,P) TO THE (N,2N)
CROSS SECTION FOR CO-59

27-CO-59 1.48+01 1.48+01 1 N,P

1856 NUCLEAR SCIENCE AND ENGINEERING 24, 87 (1966) R. VANINBROUX
(GEEL)
ACTIVATION IN THE THERMAL COLUMN OF BR1 REACTOR

27-CO-59 2.50-03 2.50-08 1 N,G SPECT. AV.

1857 NUCLEAR PHYS. 71, 487 (1965) V. KONIG (HAMBURG)
TARGETS WERE SCINTILLATION CRYSTALS ALSO USED AS DETECTORS.
USED CSBR(TL) AND RB1(TL)35-BR-NAT 1.28+01 1.70+01 5 N,A
37-K3-NAT 1.2+01 1.68+01 5 N,P
37-RB-NAT 1.28+01 1.68+01 5 N,A1858 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/88 (1965)
M.C. MOXON (AERE)
TIME OF FLIGHT SPECTROMETER WITH MOXON-RAE DETECTOR
THERE IS ALSO A PRIVATE COMMUNICATION (1964)26-FE-NAT 1.10-03 9.65-02 37 N,G
26-FE-NAT 1.62-03 1.37-02 5 RES. PARAM.
26-FE-54 7.25-03 7.25-03 1 RES. PARAM.
26-FE-56 1.14-03 2.77-02 3 RES. PARAM.
CO-FE-57 4.00-03 1.75-02 6 RES. PARAM.
27-CO-59 4.32-03 1.68-02 17 RES. PARAM.1859 INTERNATIONAL CONF. ON NUCLEAR PHYSICS. PARIS, 2, 817 (1964)
B.A. BENETSKII, I.M. FRANK (LEBEDEV INST. 1)
NAI(TL) SCINTILLATION CRYSTAL SPECTROMETER
PROC. P.N. LEBEDEV PHYSICS INSTITUTE 33, 99 (1966)
B.A. BENETSKII12-MO-24 1.40+01 1.40+01 1 N,N'
13-AL-27 1.40+01 1.40+01 3 N,N'
13-AL-27 1.40+01 1.40+01 1 N,P
14-SI-28 1.40+01 1.40+01 1 N,N'
14-SI-28 1.40+01 1.40+01 1 N,P
26-FE-56 1.40+01 1.40+01 2 N,N'
26-FE-56 1.40+01 1.40+01 1 N,P1860 PROC. INT. CONF. STUDY NUCL. STRUCTURE W/NEUT. ANTWERP, (1965)
(NOTE.. IN LIEU OF THE AFOREMENTIONED TITLE, SEE
NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP (1965)1861 EANDC-50-S VOLUMES I AND II (1955)
NOTE.. IN LIEU OF THE AFOREMENTIONED TITLE, SEE
NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP (1965)1862 PROC. SYMP. FAST REACTOR PHYS./RELA. SAFE. PROB. KARLSRUHE, (1967)
NOTE.. IN LIEU OF THE AFOREMENTIONED TITLE, SEE
FAST REACTOR PHYSICS. KARLSRUHE (1967)1863 PROC. INT. CONF. ON NUCLEAR PHYSICS. PARIS (1968)
NOTE.. IN LIEU OF THE AFOREMENTIONED TITLE, SEE
LOW ENERGY NUCL. INTERACTIONS/NUCL. STRUCTURE. PARIS (1968)1864 PROC. NUCLEAR PHYSICS SYMPOSIUM, BOMBAY (1963)
NOTE.. IN LIEU OF THE AFOREMENTIONED TITLE, SEE
NP-13020 (1963)1865 PROC. NUCLEAR PHYSICS SYMPOSIUM MADRAS (1962)
NOTE.. IN LIEU OF THE AFOREMENTIONED TITLE, SEE
NP-12330 (1962)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PYS DESCRIPTION

*** 3-275 ***

REF. NO. = 1865

REF. NO. = 1866

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1	10-15	1	10-15
2	15-20	2	15-20
3	20-25	3	20-25
4	25-30	4	25-30
5	30-35	5	30-35
6	35-40	6	35-40
7	40-45	7	40-45
8	45-50	8	45-50
9	50-55	9	50-55
10	55-60	10	55-60
11	60-65	11	60-65
12	65-70	12	65-70
13	70-75	13	70-75
14	75-80	14	75-80
15	80-85	15	80-85
16	85-90	16	85-90
17	90-95	17	90-95
18	95-100	18	95-100
19	100-105	19	100-105
20	105-110	20	105-110
21	110-115	21	110-115
22	115-120	22	115-120
23	120-125	23	120-125
24	125-130	24	125-130
25	130-135	25	130-135
26	135-140	26	135-140
27	140-145	27	140-145
28	145-150	28	145-150
29	150-155	29	150-155
30	155-160	30	155-160
31	160-165	31	160-165
32	165-170	32	165-170
33	170-175	33	170-175
34	175-180	34	175-180
35	180-185	35	180-185
36	185-190	36	185-190
37	190-195	37	190-195
38	195-200	38	195-200
39	200-205	39	200-205
40	205-210	40	205-210
41	210-215	41	210-215
42	215-220	42	215-220
43	220-225	43	220-225
44	225-230	44	225-230
45	230-235	45	230-235
46	235-240	46	235-240
47	240-245	47	240-245
48	245-250	48	245-250
49	250-255	49	250-255
50	255-260	50	255-260
51	260-265	51	260-265
52	265-270	52	265-270
53	270-275	53	270-275
54	275-280	54	275-280
55	280-285	55	280-285
56	285-290	56	285-290
57	290-295	57	290-295
58	295-300	58	295-300
59	300-305	59	300-305
60	305-310	60	305-310
61	310-315	61	310-315
62	315-320	62	315-320
63	320-325	63	320-325
64	325-330	64	325-330
65	330-335	65	330-335
66	335-340	66	335-340
67	340-345	67	340-345
68	345-350	68	345-350
69	350-355	69	350-355
70	355-360	70	355-360
71	360-365	71	360-365
72	365-370	72	365-370
73	370-375	73	370-375
74	375-380	74	375-380
75	380-385	75	380-385
76	385-390	76	385-390
77	390-395	77	390-395
78	395-400	78	395-400
79	400-405	79	400-405
80	405-410	80	405-410
81	410-415	81	410-415
82	415-420	82	415-420
83	420-425	83	420-425
84	425-430	84	425-430
85			

1869 NUCLEAR PHYS. 92, 433 (1967) YU.V.DUKAREVICH, A.N.DYUMIN,
D.M.KAMINKER (IOFFE PTI Leningrad)
TRANSMISSION USING ENRICHED SAMPLES
J. EXPTL. THEORET. PHYS. (USSR) 46, 1496 (1964)

28-NI-58	1.42+01	1.42+01	1 TOTAL
28-NI-60	1.42+01	1.42+01	1 TOTAL
28-NI-62	1.42+01	1.42+01	1 TOTAL
28-NI-64	1.42+01	1.42+01	1 TOTAL
30-2N-64	1.42+01	1.42+01	1 TOTAL
30-2N-66	1.42+01	1.42+01	1 TOTAL
30-2N-67	1.42+01	1.42+01	1 TOTAL
30-2N-68	1.42+01	1.42+01	1 TOTAL
30-2N-70	1.42+01	1.42+01	1 TOTAL
47-AG-107	1.42+01	1.42+01	1 TOTAL
47-AG-109	1.42+01	1.42+01	1 TOTAL
49-CD-106	1.42+01	1.42+01	1 TOTAL
48-CD-108	1.42+01	1.42+01	1 TOTAL
48-CD-110	1.42+01	1.42+01	1 TOTAL
48-CD-111	1.42+01	1.42+01	1 TOTAL
48-CD-112	1.42+01	1.42+01	1 TOTAL
48-CD-113	1.42+01	1.42+01	1 TOTAL
48-CD-114	1.42+01	1.42+01	1 TOTAL
48-CD-116	1.42+01	1.42+01	1 TOTAL
49-IN-115	1.42+01	1.42+01	1 TOTAL
50-SN-112	1.42+01	1.42+01	1 TOTAL
50-SN-116	1.42+01	1.42+01	1 TOTAL
50-SN-117	1.42+01	1.42+01	1 TOTAL
50-SN-118	1.42+01	1.42+01	1 TOTAL
50-SN-119	1.42+01	1.42+01	1 TOTAL
50-SN-120	1.42+01	1.42+01	1 TOTAL
50-SN-124	1.42+01	1.42+01	1 TOTAL
50-SN-128	1.42+01	1.42+01	1 TOTAL
51-SB-121	1.42+02	1.42+01	1 TOTAL
51-SB-123	1.42+01	1.42+01	1 TOTAL
52-TE-122	1.42+01	1.42+01	1 TOTAL
52-TE-124	1.42+01	1.42+01	1 TOTAL
52-TE-125	1.42+01	1.42+01	1 TOTAL
52-TE-126	1.42+01	1.42+01	1 TOTAL
52-TE-128	1.42+01	1.42+01	1 TOTAL
52-TE-130	1.42+01	1.42+01	1 TOTAL
82-PB-204	1.42+01	1.42+01	1 TOTAL
82-PB-206	1.42+01	1.42+01	1 TOTAL
82-PB-207	1.42+01	1.42+01	1 TOTAL
82-PB-208	1.42+01	1.42+01	1 TOTAL
83-BI-209	1.42+01	1.42+01	1 TOTAL

[illegible]

REF. NO. - 1869

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1870

REF BIBLIOGRAPHY

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1870	NUCLEAR PHYS. 93, 209 (1967) G.P.CHURSHIN, M.FAZIO, S.MICHELETTI, M.PIGNARELLI, L.ZETTA (U.MILAN) DETECTED DEUTERONS WITH COINCIDENCE-ANTI-COINCIDENCE COUNTER TELESCOPE	29-CU-63 29-CU-65 30-ZN-64 30-ZN-66 30-ZN-66	1.41+01 1.41+01 1.41+01 1.41+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	12 N,D 13 N,D 8 N,D 12 N,D 6 N,D	D(A) D(A) D(A) D(A) D(A)
1871	NUCLEAR PHYS. 93, 74 (1967) S.OKUMURA (KYOTO U.) ACTIVATION	27-CO-59 27-CO-59 28-NI-58 28-NI-58 32-GE-76 32-GE-76 33-AS-75 33-AS-75 35-BR-79 35-BR-81 35-BR-81	1.33+01 1.49+01 1.33+01 1.49+01 1.33+01 1.49+01 1.33+01 1.49+01 1.33+01 1.49+01 1.33+01 1.49+01 1.33+01 1.49+01 1.33+01 1.49+01 1.33+01 1.49+01 1.33+01 1.49+01 1.33+01 1.49+01	7 N,2N 7 N,2N 6 N,P 6 N,P 8 N,2N 8 N,2N 10 N,P 10 N,P 9 N,2N 10 N,2N 10 N,2N	
1872	IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/64 (1966) J.JULIEN, S.DE BARROS, P.L.CHEVILLON, V-D.HUYNH, J.MORGENSTERN, F.NEYTER, C.SAMOUR (SACLAY) TRANSMISSION. DATA RECEIVED FROM CCDD. NO DATA IN THE PAPER	25-MN-55 27-CO-59 29-CU-NAT 33-AS-75 34-SE-77 35-BR-NAT 47-AG-NAT 56-BA-135 59-PR-141 69-TM-169 78-PT-195 79-AU-197	0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	8.00-02 1.20-01 1.50-02 4.00-03 2.00-03 2.00-03 7.00-04 1.00-03 5.70-03 9.00-04 7.00-04 1.00-03	1 AV.RES.PARAM. 3 AV.RES.PARAM. 1 AV.RES.PARAM. 1 AV.RES.PARAM. 2 AV.RES.PARAM. 1 AV.RES.PARAM. 2 AV.RES.PARAM. 2 AV.RES.PARAM. 2 AV.RES.PARAM. 2 AV.RES.PARAM. 3 AV.RES.PARAM. 3 AV.RES.PARAM.
1873	ACTA PHYSICA AUSTRIACA 23, 42 (1966) R.RIEDER, H.MUNZER (VIENNA) ACTIVATION NUCLEAR STRUCTURE STUDY WITH NEUTRONS, ANTWERP, P/123 (1965) EANDC(OR)-38L (1965) OESTERR.AKAD.WISS. MATH.-NATURW.KL. SITZ.BST.2, 175.53 (1966) PVT. COMM. VIA NNCSC FROM NEUDATA FILES (1971)	37-RB-85 37-RB-85 37-RB-87 38-SR-86 56-SR-86 39-Y-89 40-ZR-92 40-ZR-90 40-ZR-90 41-NB-93 44-RU-96 44-RU-96	1.40+01 1.40+01 1.47+01 1.47+01 1.40+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.40+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.40+01 1.40+01 1.47+01 1.47+01 1.47+01 1.47+01	1 N,2N 1 N,2N 2 N,2N 1 N,2N 1 N,2N 2 N,2N 2 N,2N 1 N,2N 1 N,2N 2 N,2N 1 N,2N 1 ACTIVAT	
1874	ACTA PHYSICA AUSTRIACA 23, 44 (1966) P.HILL, H.MUNZER (VIENNA) ACTIVATION	33-AS-75 34-SE-74 34-SE-76	1.40+01 1.47+01 1.40+01 1.47+01 1.40+01 1.47+01	2 N,2N 2 N,P 2 N,2N	
1875	EANDC(OR)-64L (1967) F.WIDDER, J.BRUNNER (WURENLINGEN,SWITZ.) TRANSMISSION USING CHOPPER WITH CADMIUM SULFIDE MIXED WITH SULFUR SAMPLES FOR LARGE CROSS SECTIONS AND CADMIUM METAL PLATES FOR LOW CROSS SECTIONS. BEST RESOLUTION WAS 300 NSEC/M	48-CD-NAT 48-CD-NAT 48-CD-113	2.53-08 2.53-08 1.77-07 1.77-07 1.77-07 1.77-07	1 TOTAL 1 RES.PARAM. 4 RES.PARAM.	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-278 ***

REF.NO.=1875

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1876

REF BIBLIOGRAPHY

1876 NUCLEAR PHYS. 100, 186 (1967) B.MINETTI, A.PASQUARELLI
(TURIN)
ACTIVATION

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
34-SE-74	1.47+01 1.47+01	1 N,2N
34-SE-74	1.47+01 1.47+01	1 N,2N
34-SE-76	1.47+01 1.47+01	1 N,2N
34-SE-76	1.47+01 1.47+01	1 N,P
34-SE-78	1.47+01 1.47+01	1 N,2N
34-SE-78	1.47+01 1.47+01	2 N,P
34-SE-78	1.47+01 1.47+01	1 N,A
34-SE-78	1.47+01 1.47+01	1 N,A
34-SE-80	1.47+01 1.47+01	1 N,2N
34-SE-80	1.47+01 1.47+01	1 N,P
34-SE-80	1.47+01 1.47+01	1 N,A
34-SE-80	1.4 +31 1.47+01	1 N,A
34-SE-82	1.47+01 1.47+01	2 N,2N

1877 INDSHG-90 PAGE 2 (1965) Y.OHNO, T.ASAMI, K.OKAMOTO, K.IDENO
(JAERI)
TRANSMISSION WITH CRYSTAL SPECTROMETER AND CHOPPER

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
62-SM-NAT	8.45-10 2.80-07	87 TOTAL
62-SM-149	6.47-10 2.80-07	80 TOTAL

1878 NUCLEAR PHYS. 132, 129 (1969) J.JULIEN, R.N.ALVES,
S.DE BARROS, V-D.HUYNH, J.MORGENSTERN, C.SAMOUR (SACLAY)
TIME OF FLIGHT TECHNIQUE.
(AEA CONF. ON NUCLEAR DATA. PARIS, PAPER CN-23/62 (1965)
V-D.HUYNH, S.DE BARROS, P.L.CHEVILLON, J.JULIEN,
G.LE POITTEVIN, J.MORGENSTERN, C.SAMOUR
CEA-R-2810 (1965)
SEE ALSO REF.2537 FOR ZR AND REF.1817 FOR CU.

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
26-FE-56	1.15-03 1.15-03	3 RES.PARAM.
30-ZN-64	2.81-04 2.81-04	4 RES.PARAM.
30-ZN-66	3.23-04 3.23-04	4 RES.PARAM.
30-ZN-67	2.28-04 2.28-04	4 RES.PARAM.
34-SE-74	2.70-04 2.70-04	4 RES.PARAM.
34-SE-76	3.76-04 3.76-04	4 RES.PARAM.
34-SE-77	2.11-04 6.88-04	12 RES.PARAM.
34-SE-78	3.81-04 3.81-04	4 RES.PARAM.
42-MO-95	4.46-05 1.59-04	8 RES.PARAM.
42-MO-96	1.31-04 1.31-04	4 RES.PARAM.
42-MO-97	7.07-04 7.07-04	3 RES.PARAM.
48-CD-NAT	2.90-05 6.96-05	2 RES.PARAM.
48-CD-110	8.98-05 8.98-05	2 RES.PARAM.
48-CD-111	2.74-05 9.98-05	7 RES.PARAM.
48-CD-112	6.67-05 8.33-05	5 RES.PARAM.
48-CD-113	6.37-05 8.50-05	6 RES.PARAM.
50-SN-112	9.50-05 9.50-05	4 RES.PARAM.
50-SN-116	1.11-04 1.48-04	6 RES.PARAM.
50-SN-117	3.89-05 1.97-04	14 RES.PARAM.
50-SN-118	4.58-05 4.58-05	5 RES.PARAM.
50-SN-119	1.41-04 1.41-04	2 RES.PARAM.
50-SN-124	6.20-05 6.20-05	5 RES.PARAM.
64-GD-155	6.30-06 7.76-06	7 RES.PARAM.
64-GD-157	1.68-05 4.87-05	7 RES.PARAM.
80-HG-198	2.30-05 4.17-04	20 RES.PARAM.
80-HG-199	3.35-05 6.86-04	28 RES.PARAM.
80-HG-201	4.30-05 7.09-04	28 RES.PARAM.

1879 ACTA PHYSICA AUSTRIACA 23, 185 (1966) H.K.VONACH, H.MUNZER,
P.HILLE (VIENNA)
ACTIVATION

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
78-P7-196	1.40+01 1.40+01	1 N,P

1880 PRIVATE COMMUNICATION (1963) M.C.MOXON (AERE)
DATA RECEIVED FROM CODN. NO METHOD GIVEN

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
92-U -238	6.05-03 9.70-02	92 N,G

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
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*** 3-279 ***

REF.NO.=1380

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1881

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1881 PHYS. REV. 124, 183 (1961) R.K. SMITHER (ANL) BENT CRYSTAL SPECTROMETER. DATA ARE GIVEN AS PHOTONS PER 100 NEUTRON CAPTURES	48-CD-113	2.53-08 2.53-08	119 N,XO	D(E)
1882 YAD. FIZ. 4, 515 (1966) A.A. DRUZHININ, A.A. LBOV, L.P. BILIBIN (USSR) ACTIVATION	74-W-182 74-W-183 74-W-184 74-W-185 74-W-185 74-W-185	1.48+01 1.48+01 2.00+00 2.00+00 2.00+00 2.00+00 1.48+01 1.48+01 2.00+00 2.00+00 2.00+00 2.00+00	1 N,2N 1 N,G 1 N,G 1 N,2N 2 N,2N 1 N,G	SPECT. AV. SPECT. AV. SPECT. AV. SPECT. AV.
1883 NUCLEAR PHYS. 100, 257 (1967) J.H. TOWLE, R.O. OWENS (ANRE) TIME OF FLIGHT. VALUES ARE 4 PI TIMES SIGMA (90 DEGREES)	11-NA-23 13-AL-27 19-K-NAT 24-CR-NAT 26-FE-NAT 28-NI-58 28-NI-60	7.0+00 7.00+00 7.00+00 7.00+00 7.00+00 7.00+00 7.00+00 7.00+00 7.00+00 7.00+00 7.00+00 7.00+00 7.00+00 7.00+00	20 N,N' 20 N,N' 19 N,N' 20 N,N' 21 N,N' 19 N,N' 20 N,N'	D(E) D(E) D(E) D(E) D(E) D(E) D(E)
1884 EANDC(OR)-63L (1967) M. DRITS, A. KOSTIKAS (GREECE) FAST CHOPPER	H2O H2O	1.01-08 1.53-05 1.01-08 1.53-05	243 TOTAL 243 TOTAL	
1885 NUCLEAR PHYS. 96, 658 (1967) T.J. KENNETT, N.P. ARCHER, L.B. HUGHES (MC MASTER U.) GE-LI AND GE-LI, NaI(TL) SPECTROMETER. RESULTS ARE IN PHOTONS PER HUNDRED CAPTURES	16-S-NAT	2.53-08 2.53-08	24 N,XO	D(E)
1886 ATOMNAYA ENERGIYA 19, 250 (1965) V.P. VERTEBNII, M.F. VLASOV, A.L. KIRILYUK, V.V. KOLODII, ZH.I. PISANKO, N.A. TROFIMOVA (INST. PHYS. UKR. ACAD. SCI) CHOPPER. NATURAL ELEMENT AND ENRICHED ISOTOPES. BEST RESOLU- TION WAS 50 NSEC/M. BNL-325 2ND ED. SUPPL. 2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCSC, YFI-1 PAGE 22 (1965)	75-RE-NAT 75-RE-NAT 75-RE-185 75-RE-185 75-RE-185 75-RE-187 75-RE-187 75-RE-187	2.90-06 3.33-02 2.20-05 1.08-04 4.96-09 1.11-06 0. 2.00-05 2.15-06 1.08-04 4.96-09 1.11-06 0. 2.00-05 4.41-06 8.70-05	744 TOTAL 23 RES. PARAM. 82 TOTAL 1 AV. RES. PARAM. 23 RES. PARAM. 82 TOTAL 1 AV. RES. PARAM. 12 RES. PARAM.	
1887 NUCLEAR PHYS. 103, 616 (1967) P. CUZZOCREA, E. PERILLO, S. NOTARRICO (UNAPLES) ACTIVATION. NORMALIZED TO 469 MB FOR CUB31N,2N) AT 14.1 MEV AND 919 MB FOR CUB51N,2N) AT 14.1 MEV	42-MO-92 42-MO-96 42-MO-97 42-MO-98 42-MO-100 42-MO-100	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 N,2N 1 N,P 1 N,P 1 N,P 1 N,2N 1 N,A	
1889 EANDC(C)-760 PAGE 106 (1967) A. FABRY, J.P. DENORM (MOL) ACTIVATION. THIS SUPERSEDES THE VALUE IN EANDC(C)-570 PAGE 71 (1965)	26-FE-58	2.50-08 2.50-08	1 N,G	SPECT. AV.
1890 INR-661/1A/PL (1965) T. KOZLOWSKI, W. KUSCH, J. WOJTKOWSKA (WARSAW) SCINTILLATION COUNTER	6-C-12 8-O-16	1.41+01 1.41+01 1.41+01 1.41+01	7 N,XO 7 N,XO	D(A) D(A)
1891 PROC. PAKISTAN ACAD. SCI. 3, 84 (1966) M. ENAYATULLAH	25-MN-55	9.50-01 1.73+00	16 TOTAL	
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

*** 3-280 ***

REF. NO. = 1891

REF. NO. - 1891

[illegible]

56-BA-138	1.50*01	1.50*01	1 N.A
50-CC-140	1.50*01	1.50*01	1 N.A
60-ND-142	1.50*01	1.50*01	1 N.A

41-NB-93	1.95:01	1.95:01	1 N.3N
45-RH-103	1.95:01	1.95:01	1 N.3N
47-AQ-107	1.89:01	1.95:01	4 N.3N
49-IN-113	1.06:01	1.95:01	5 N.3N
53-I-127	1.8:01	1.95:01	1 N.3N
55-CS-133	1.95:01	1.95:01	1 N.3N
59-PR-141	1.81:01	1.95:01	6 N.3N

23-V -51	0.	5.00-02	1	AV. RES. PARAM.
29-CU-NAT	0.	5.00-02	1	AV. RES. PARAM.
31-GA-NAT	0.	5.00-02	1	AV. RES. PARAM.
33-AS-75	0.	5.00-02	1	AV. RES. PARAM.
35-BR-NAT	0.	5.00-02	1	AV. RES. PARAM.
37-RB-NAT	0.	5.00-02	1	AV. RES. PARAM.
39-Y -09	0.	5.00-02	1	AV. RES. PARAM.
40-ZR-90	0.	5.00-02	1	AV. RES. PARAM.
40-ZR-91	0.	5.00-02	1	AV. RES. PARAM.
40-ZR-92	0.	5.00-02	1	AV. RES. PARAM.
40-ZR-94	0.	5.00-02	1	AV. RES. PARAM.
41-MD-93	0.	5.00-02	1	AV. RES. PARAM.
42-MO-95	0.	5.00-02	1	AV. RES. PARAM.
42-MO-96	0.	5.00-02	1	AV. RES. PARAM.
42-MO-97	0.	5.00-02	1	AV. RES. PARAM.
42-MO-98	0.	5.00-02	1	AV. RES. PARAM.
42-MO-100	0.	5.00-02	1	AV. RES. PARAM.
45-RH-103	0.	5.00-02	1	AV. RES. PARAM.
47-AG-NAT	0.	5.00-02	1	AV. RES. PARAM.
49-IN-115	0.	5.00-02	1	AV. RES. PARAM.
50-SN-116	0.	5.00-02	1	AV. RES. PARAM.
50-SN-117	0.	5.00-02	1	AV. RES. PARAM.
50-SN-119	0.	5.00-02	1	AV. RES. PARAM.
50-SN-122	0.	5.00-02	1	AV. RES. PARAM.
50-SN-124	0.	5.00-02	1	AV. RES. PARAM.
51-SD-NAT	0.	5.00-02	1	AV. RES. PARAM.
51-1 -127	0.	5.00-02	1	AV. RES. PARAM.
55-CS-123	0.	5.00-02	1	AV. RES. PARAM.
57-LA-130	0.	5.00-02	1	AV. RES. PARAM.
59-PR-141	0.	5.00-02	1	AV. RES. PARAM.
62-SN-147	0.	5.00-02	1	AV. RES. PARAM.
62-SN-149	0.	5.00-02	1	AV. RES. PARAM.
63-CU-151	0.	5.00-02	1	AV. RES. PARAM.
63-CU-153	0.	5.00-02	1	AV. RES. PARAM.
65-TB-159	0.	5.00-02	1	AV. RES. PARAM.
67-MO-165	0.	5.00-02	1	AV. RES. PARAM.
71-LU-175	0.	5.00-02	1	AV. RES. PARAM.

[illegible]

07/04/76

REF-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. 1894

REF BIBLIOGRAPHY

1894

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
73-TA-181	0.	5.00-02	1 AV. RES. PARAM.
74-W-183	0.	5.00-02	1 AV. RES. PARAM.
74-W-184	0.	5.00-02	1 AV. RES. PARAM.
74-W-186	0.	5.00-02	1 AV. RES. PARAM.
77-R-181	0.	5.00-02	1 AV. RES. PARAM.
79-AU-197	0.	5.00-02	1 AV. RES. PARAM.
81-TL-203	0.	5.00-02	1 AV. RES. PARAM.
81-TL-205	0.	5.00-02	1 AV. RES. PARAM.

1895 NUCLEAR SCIENCE AND ENGINEERING 29, 7 (1967)
A.M.BRESESTI DEL TORCO, M.BRESESTI, R.A.RYDIN (ISPR)
ACTIVATION NEUTRON SOURCE HAS A CONVERTER FACILITY

12-MG-24	2.00+00	2.00+00	1 N,P	SPECT. AV.
22-TI-46	2.00+00	2.00+00	1 N,P	SPECT. AV.
26-FE-54	2.00+00	2.00+00	1 N,P	SPECT. AV.
26-FE-56	2.00+00	2.00+00	1 N,P	SPECT. AV.
28-NI-58	2.00+00	2.00+00	1 N,P	SPECT. AV.
28-NI-59	2.00+00	2.00+00	1 N,P	SPECT. AV.
29-CU-59	2.00+00	2.00+00	1 N,A	SPECT. AV.
42-MO-92	2.00+00	2.00+00	1 N,P	SPECT. AV.
49-IN-115	2.00+00	2.00+00	1 N,N'	SPECT. AV.

1896 NUCLEAR PHYS. 94, 617 (1967) P.B.JOHNSON, N.G.CHAPMAN,
J.E.CALLAGHAN (VICTORIA L. WELLINGTON)
COUNTED PULSES IN NaI(TL) SCINTILLATION CRYSTAL CORRECTED FOR
INELASTIC NEUTRON SCATTERING FROM IODINE

19-K-39	2.46+00	2.46+00	1 N,P
19-K-39	2.46+00	2.46+00	1 N,A

1897 ARKIV FYSIK 35, 71 (1967) B.HOLMQUIST, T.WIEDLING (STUDSVIK)
NaI(TL) SCINTILLATION SPECTROMETER. SEE ALSO...
AE-150 (1964)

29-CU-NAT	7.68-01	1.38+00	22 N,XG
29-CU-63	7.68-01	1.38+00	12 N,XG
29-CU-65	7.68-01	1.38+00	10 N,XG

1898 NUCLEAR INSTRUMENTS AND METHODS 56, 325 (1967) O.E.THOMAS,
D.E.BLATCHLEY, L.M.BOLLINGER (ANL)
GE(LI) GAMMA-RAY SPECTROMETER. VALUES GIVEN ARE PHOTONS PER
100 NEUTRON CAPTURES

3-LI-6	2.53-08	2.53-08	2 N,XG	D(E)
5-B-10	2.53-08	2.53-08	6 N,XG	D(E)
6-C-12	2.53-08	2.53-08	3 N,XG	D(E)
6-C-13	2.53-08	2.53-08	2 N,XG	D(E)
7-N-14	2.53-08	2.53-08	23 N,XG	D(E)

1899 EUR-3454.E (1967) H-M.KNITTER, M.COPPOLA (GEEL)
TIME OF FLIGHT SPECTROMETER

3-LI-6	1.00+00	2.30+00	14 ELASTIC	D(A)
3-LI-6	1.00+00	2.30+00	256 ELASTIC	D(A)

1900 PHYS. REV. 162, 1112 (1967) W.V.PRESNICH, R.L.LUTE (ANL)
GE(LI) GAMMA SPECTROMETER

68-ER-160	2.53-08	2.53-08	25 N,XG	D(E)
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1901 NUCLEAR PHYS. 94, 476 (1967) P.R.PRASAD, D.C.SARKAR (ALIGARH)
ACTIVATION
NUCLEAR PHYS. 86, 349 (1966)

17-CL-35	1.48+01	1.48+01	1 N,2N
17-CL-35	1.48+01	1.48+01	1 N,2N
21-SC-45	1.48+01	1.48+01	1 N,2N
42-MO-92	1.48+01	1.48+01	1 N,2N
42-MO-92	1.48+01	1.48+01	1 N,2N
49-IN-115	1.48+01	1.48+01	1 N,2N
58-CE-140	1.48+01	1.48+01	1 N,2N
65-IB-159	1.48+01	1.48+01	1 N,2N
68-ER-160	1.48+01	1.48+01	1 N,2N
72-HF-179	1.48+01	1.48+01	1 N,2N
72-HF-180	1.48+01	1.48+01	1 N,2N
74-W-184	1.48+01	1.48+01	1 N,2N

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-282 ***

REF. NO. 1901

07/04/76

ECS1-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1901

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1901	74-W -186 82-PB-208	1.48+01 1.48+01 1.48+01 1.48+01	1 N,2N 1 N,2N	
1902 Z. PHYSIK 199, 275 (1967) B.MINETTI, A.PASQUARELLI (TURIN) ACTIVATION	13-AL-27 25-MN-55 25-MN-55	1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01	1 N,A 1 N,P 1 N,A	
1903 HELV. PHYS. ACTA 37, 505 (1964) P.EXTERMANN, E.BAUMGARTNER, P.HUBER (BASEL) OBSERVED RECOILS IN IONIZATION CHAMBER	8-O -18 8-O -18	3.25+00 3.81+00 2.93+00 4.15+00	4 N,N' 131	SCATTER D(A)
1904 NUCLEAR PHYS. 38, 322 (1962) J. RETHMEIER, C.C.JONKER, H.RODENBURG, J.W.HOVENIER, D.VAN DER MEULEN (AMSTERDAM) TIME OF FLIGHT	6-C -12	1.4+01 1.48+01	7 N,N'	D(A)
1905 NUCLEAR PHYS. 97, 657 (1967) F.POORTMANS, H.CEULEMANS (MOL) BR2 CRYSTAL SPECTROMETER NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/94 (1965) SEE ALSO REFERENCE 2254	62-SM-147 62-SM-149 64-QD-157 73-TA-181 75-RL-185 77-IR-191 77-IR-193	3.40-06 1.83-05 9.76-08 8.70-07 1.71-05 1.71-05 2.41-05 2.41-05 2.15-06 2.15-06 6.54-07 9.07-08 1.30-06 9.07-06	4 RES.PARAM. 4 RES.PARAM. 2 RES.PARAM. 2 RES.PARAM. 2 RES.PARAM. 8 RES.PARAM. 6 RES.PARAM.	
1906 NUCLEAR PHYS. 39, 253 (1962) W.PATZAK, H.K.VONACH (WIEN) NUCLEAR EMULSIONS ANZ.OESTERR.AKAD.WISS. MATH-NATURWISS.KL. 98, 203 (1961)	13-AL-27 13-AL-27 27-CO-59 27-CO-59	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	8 N,XA 5 N,A 9 N,XA 5 N,A	D(E) E1-E2,D(A) D(E) E1-E2,D(A)
1907 PROC. PHYS. SOC. (LONDON) B1, 800 (1963) M.IRFAN, W.JACK (U.GLASGOW) PROPORTIONAL-COUNTER SCINTILLATION-COUNTER TELESCOPE	13-AL-27 13-AL-27	1.48+01 1.48+01 1.48+01 1.48+01	51 N,A 6 N,A	D(E,A) E1-E2,D(A)
1908 YAD. FIZ. 2, 826 (1965) V.B.ANUFRIENKO, B.V.DEVKIN, G.V.KOTEL'NIKOVA, YU.S.KULABUKHOV, G.N.LOVCHIKOVA, O.A.SAL'NIKOV, L.A.TIMOKHIN, V.R.TRUBNIKOV, N.I.FETISOV (USSR) RING GEOMETRY WITH TIME OF FLIGHT	6-C -NAT 6-C -12 13-AL-27 14-SI-NAT 14-SI-NAT 15-P -31 15-P -31 22-TI-NAT 22-TI-NAT 23-V -NAT 23-V -NAT 24-CR-NAT 24-CR-NAT 25-MN-55 25-MN-55 26-FE-NAT 26-FE-NAT 27-CO-59 27-CO-59 28-NI-NAT	1.41+01 1.41+01	1 NUCLEAR TEMP. 36 N,N' 1 NUCLEAR TEMP. 41 N,N' 1 NUCLEAR TEMP. 40 N,N' 2 NUCLEAR TEMP. 44 N,N' 2 NUCLEAR TEMP. 37 N,N' 2 NUCLEAR TEMP. 41 N,N' 2 NUCLEAR TEMP. 51 N,N' 2 NUCLEAR TEMP. 40 N,N' 2 NUCLEAR TEMP. 56 N,N' 2 NUCLEAR TEMP. 40 N,N'	D(E,A) D(E,A) D(E,A) D(E,A) D(E,A) D(E,A) D(E,A) D(E,A) D(E,A) D(E,A) D(E,A) D(E,A) D(E,A) D(E,A) D(E,A) D(E,A) D(E,A) D(E,A) D(E,A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-283 ***

REF.NO.=1908

07/04/76

EC51C-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1908

REF BIBLIOGRAPHY

1908

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
28-NI-NAT	1.41+01 1.41+01	2 NUCLEAR TEMP.
29-CU-NAT	1.41+01 1.41+01	41 N.N' DIE.A)
29-CU-NAT	1.41+01 1.41+01	2 NUCLEAR TEMP.
30-ZN-NAT	1.41+01 1.41+01	38 N.N' DIE.A)
30-ZN-NAT	1.41+01 1.41+01	2 NUCLEAR TEMP.
34-SE-NAT	1.41+01 1.41+01	40 N.N' DIE.A)
34-SE-NAT	1.41+01 1.41+01	2 NUCLEAR TEMP.
40-ZR-NAT	1.41+01 1.41+01	39 N.N' DIE.A)
40-ZR-NAT	1.41+01 1.41+01	2 NUCLEAR TEMP.
41-NB-93	1.41+01 1.41+01	39 N.N' DIE.A)
41-NB-93	1.41+01 1.41+01	2 NUCLEAR TEMP.
42-MO-NAT	1.41+01 1.41+01	48 N.N' DIE.A)
42-MO-NAT	1.41+01 1.41+01	2 NUCLEAR TEMP.
48-CD-NAT	1.41+01 1.41+01	41 N.N' DIE.A)
48-CD-NAT	1.41+01 1.41+01	2 NUCLEAR TEMP.
50-SN-NAT	1.41+01 1.41+01	39 N.N' DIE.A)
50-SN-NAT	1.41+01 1.41+01	2 NUCLEAR TEMP.
52-TE-NAT	1.41+01 1.41+01	40 N.N' DIE.A)
52-TE-NAT	1.41+01 1.41+01	2 NUCLEAR TEMP.
74-W -NAT	1.41+01 1.41+01	37 N.N' DIE.A)
74-W -NAT	1.41+01 1.41+01	2 NUCLEAR TEMP.
82-PB-NAT	1.41+01 1.41+01	39 N.N' DIE.A)
82-PB-NAT	1.41+01 1.41+01	2 NUCLEAR TEMP.
83-BI-209	1.41+01 1.41+01	41 N.N' DIE.A)
83-BI-209	1.41+01 1.41+01	2 NUCLEAR TEMP.

1909 INR-668/1/PH (1955) P.DECOWSKI, W.GROCHULSKI, A.MARCINKOWSKI,
K.SIWEK, I.SLEDZINSKA, Z.WILHELM (WARSAW)
ACTIVATION. NORMALIZED TO CU65(N,2N) VALUE OF 904 MB AT
14.8 MEV

27-CO-58 1.32+01 1.57+01 8 N,2N

1910 INR-680/1/PH (1965) S.CHOJNACKI, P.DECOWSKI, E.GIERLIK,
W.GROCHULSKI, A.MARCINKOWSKI, K.SIWEK, I.SLEDZINSKA,
Z.WILHELM (WARSAW)
ACTIVATION. NORMALIZED TO CU65(N,2N) VALUE OF 904 MB AT
14.8 MEV. (N,P) VALUES ARE FROM DASTAR 233

28-NI-58 1.33+01 1.55+01 7 N,2N

28-NI-58 1.33+01 1.55+01 7 N,P

1911 CLA-2002 (1961) F.CAMBOU (SACLAY)
DETECTED RECOIL PROTONS AND TRITONS

1-H -1 1.45+01 1.45+01 25 ELASTIC DIA)

1-H -3 1.45+01 1.45+01 28 ELASTIC DIA)

1912 ANL-7625 (1969) A.H.JAFFEY, J.L.LERNER (ANL)
COINCIDENCE METHOD. RELATIVE TO U233, U235, PU239 AND CF252
NUCLEAR PHYS. 145, : (1970)
RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION
OF CF252.

94-PU-241 0. 0. 1 NU-PRMT

95-AM-241 2.53-08 2.53-08 1 NU-PRMT

95-AM-242 2.53-08 2.53-08 1 NU-PRMT

96-CM-243 2.53-08 2.53-08 1 NU-PRMT

96-CM-244 6.86+00 6.86+00 1 NU-PRMT

96-CM-245 2.53-08 2.53-08 1 NU-PRMT

1913 INTERNATIONAL CONF. ON NUCLEAR PHYSICS, PARIS, 2, 872 (1964)
J.ROTURIER, B.BASSE-CATHALINAT, G.Y.PETIT (BORDEAUX)
TIME OF FLIGHT

14-SI-NAT 1.41+01 1.41+01 13 ELASTIC DIA)

14-SI-NAT 1.41+01 1.41+01 2 N.N' DIA)

1914 NUCLEAR PHYS. 101, 473 (1967) K.DEBERTIN, H.JUNTER, E.ROSSLE

13-AL-27 7.90+00 7.90+00 3 N,P

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-284 ***

REF.NO.=1914

REF. NO. - 1914

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1	...	...	...	...	...

REF. NO. = 1923

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1923

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PIS DESCRIPTION

1923 (SACLAY)

GE(LI) DETECTORS. DATA PRESENTED ON ARBITRARILY RELATIVE BASIS

1924 YAD. FIZ. 4, 238 (1966) L.V.GROSHEV, A.M.DEMIDOV, N.SHADIEV (USSR)
MAGNETIC COMPTON SPECTROMETER. DATA PRESENTED IN PHOTONS PER 100 CAPTURES

52-TE-NAT 2.53-08 2.53-08 28 N,XG D(E)

1925 Z. PHYSIK 200, 487 (1967) D.WINTERHALTER (ZAGREB)
NUCLEAR EMULSIONS20-CA-40 2.76+00 2.76+00 1 TOTAL
20-CA-40 2.76+00 2.76+00 6 ELASTIC D(A)1926 NUCLEAR PHYS. 97, 209 (1967) G.VAN MIDDELKOOP (UIRECHT)
GE(LI) COUNTER. DATA REPORTED IN PHOTONS PER 100 CAPTURES

15-P -31 2.53-08 2.53-08 49 N,XG D(E)

1928 REV. ROUM. PHYS. 9, 121 (1964) ST.APOSTOLESU,
N.CONSTANTINESCU, S.DOBRESCU, I.IVANCIANU, V.MATEICU
(BUCAREST)
FAST CHOPPER

33-AS-75 5.50-08 4.90-05 59 TOTAL

1929 NUCLEAR PHYS. 91, 604 (1967) D.RENDIC (ZAGREB)
COUNTER TELESCOPE OF TWO PROPORTIONAL GAS COUNTERS AND A
CSI SCINTILLATOR

7-N -14 1.44+01 1.44+01 17 N,T D(A)

1931 IAEA CONF. ON NUCLEAR DATA. PARIS, PAPER CN-23/59 (1966)
J.F.BARRY (AHRE)
DETECTED PHOTONS IN GE(LI) CRYSTAL FROM NEUTRON REACTIONS
WITH GERMANIUM

32-GE-NAT 6.00-01 2.43+00 77 N,N'

1932 YAD. FIZ. 4, 1154 (1966) D.A.SAL'NIKOV, N.I.FETISOV,
G.N.LOVCHIKOVA, G.V.KOTEL'NIKOVA, V.B.ANUFRIENKO, B.V.DEVKIN
(USSR)
TIME OF FLIGHT, RING GEOMETRY

4-BE-9	1.41+01	1.41+01	51 N,N'	D(E,A)
4-BE-9	1.41+01	1.41+01	1 NUCLEAR TEMP.	
11-NA-23	1.41+01	1.41+01	55 N,N'	D(E,A)
11-NA-23	1.41+01	1.41+01	1 NUCLEAR TEMP.	
12-MO-NAT	1.41+01	1.41+01	54 N,N'	D(E,A)
12-MO-NAT	1.41+01	1.41+01	1 NUCLEAR TEMP.	
16-S -NAT	1.41+01	1.41+01	50 N,N'	D(E,A)
16-S -NAT	1.41+01	1.41+01	1 NUCLEAR TEMP.	
13-K -NAT	1.41+01	1.41+01	53 N,N'	D(E,A)
13-K -NAT	1.41+01	1.41+01	1 NUCLEAR TEMP.	
20-CA-NAT	1.41+01	1.41+01	52 N,N'	D(E,A)
20-CA-NAT	1.41+01	1.41+01	1 NUCLEAR TEMP.	
38-SR-NAT	1.41+01	1.41+01	54 N,N'	D(E,A)
38-SR-NAT	1.41+01	1.41+01	1 NUCLEAR TEMP.	
49-IN-NAT	1.41+01	1.41+01	50 N,N'	D(E,A)
49-IN-NAT	1.41+01	1.41+01	1 NUCLEAR TEMP.	
51-SB-NAT	1.41+01	1.41+01	53 N,N'	D(E,A)
51-SB-NAT	1.41+01	1.41+01	1 NUCLEAR TEMP.	
53-I -127	1.41+01	1.41+01	50 N,N'	D(E,A)
53-I -127	1.41+01	1.41+01	1 NUCLEAR TEMP.	
55-CS-133	1.41+01	1.41+01	51 N,N'	D(E,A)
55-CS-133	1.41+01	1.41+01	1 NUCLEAR TEMP.	
58-CE-NAT	1.41+01	1.41+01	50 N,N'	D(E,A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PIS DESCRIPTION

*** 3-286 ***

REF. NO. = 1932

07/04/78

EC51-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1932

REF BIBLIOGRAPHY

1932

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
58-Ce-NAT	1.41+01 1.41+01	1	NUCLEAR TEMP.
73-TA-NAT	1.41+01 1.41+01	1	NUCLEAR TEMP.
73-TA-181	1.41+01 1.41+01	54	N,N' D(E,A)
80-HG NAT	1.41+01 1.41+01	53	N,N' D(E,A)
80-HG NAT	1.41+01 1.41+01	1	NUCLEAR TEMP.

1933 NUCLEAR PHYS. 110, 609 (1968) D.R. MAXSON, R.D. MURPHY, M.R. ZATZICK (BROWN U.)
COUNTER TELESCOPE WITH TWO PROPORTIONAL COUNTERS AND CSi(TL) SCINTILLATOR

7-N -14	1.41+01 1.41+01	27	N,A	D(A)
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1934 PRIVATE COMMUNICATION (1965) J.A. SHANNON (GE VALLEY FORGE)
DATA VIA NNCS. NO METHOD GIVEN

14-SI-28	9.5+00 1.02+01	8	N,P	
14-SI-28	9.50+00 1.02+01	8	N,A	
14-SI-28	9.50+00 1.02+01	32	N,A	

1935 NAA-SR-12800 (1967) L.S. BELLER, D.W. LATHAM, J.H. OTTER (ATOMIC INT.)
ACTIVATION. BASED ON GOLD THERMAL CAPTURE CROSS SECTION VALUE OF 98.8 BARNS AND GOLD RESONANCE INTEGRAL VALUE OF 1554 BARNS. USED W-185 THERMAL CAPTURE VALUE OF 37.8 BARNS

74-W -186	7.81-07 1.50+01	1	N,G	RES. INT.
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1936 PRIVATE COMMUNICATION (1966) R. SHER (STANFORD)
BASED ON GOLD THERMAL CAPTURE CROSS SECTION OF 98.8 BARNS AND GOLD RESONANCE INTEGRAL OF 1534 BARNS

67-HO-165	5.00-07 1.50+01	1	N,G	RES. INT.
72-HF-NAT	5.00-07 1.50+01	1	N,G	RES. INT.
73-TA-NAT	5.00-07 1.50+01	1	N,G	RES. INT.
78-PT-NAT	5.00-07 1.50+01	1	N,G	RES. INT.

1937 PHYS. REV. 153, 1356 (1967) J.H. GIBBONS, R.L. MACKLIN (ORNL)
TIME OF FLIGHT. ENRICHED ISOTOPES. RESOLUTION WAS 5 NSEC/M.

82-PB-204	6.50-03 5.90-02	1	AV. RES. PARAM.	
82-PB-204	6.49-03 5.90-02	33	RES. PARAM.	
82-PB-207	4.10-02 4.10-02	1	RES. PARAM.	
82-PB-208	2.35-02 8.78-02	120	TOTAL	
82-PB-208	7.00-02 7.70-02	4	RES. PARAM.	

1938 ANL-7132 (AGE 31) (1965)

(ANL)

'REACTOR DEVELOPMENT PROGRAM PROGRESS REPORT'

59-PR-141	1.87-01 2.46+00	25	N,G	
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1939 NATURE 166, 825 (1950) P.A. EGELSTAFF, B.T. TAYLOR (AERE)
CRYSTAL SPECTROMETER AND MECHANICAL TIME OF FLIGHT SPECTROMETER

35-BR-NAT	5.80-09 1.08-05	54	TOTAL	
42-MO-NAT	2.45-09 8.00-06	78	TOTAL	

1940 PHYS. REV. 165, 1147 (1968) R.L. MACKLIN, J.H. GIBBONS (ORNL)
MEASURED INVERSE REACTION AND OBTAINED THE CROSS SECTION FOR B-10 (N,ALPHA) BY RECIPROCITY. MEASURED RATIOS OF THE (N,ALPHA-ZERO) TO (N,ALPHA-ONE), NORMALIZED TO 3.301 BARNS AT 30 KEV FOR (N,ALPHA-ONE) AND 3.073 BARNS AT THE SAME ENERGY FOR (N,ALPHA-TOTAL)

5-B -10	3.00-02 5.16-01	22	N,A	
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1941 NUCLEAR SCIENCE AND ENGINEERING 31, 341 (1969) F. GUARRINI, A. LUCHES, G. PAULI, G. POIANI (TRIESTE)
TRANSMISSION. CORRECTED FOR BACKGROUND AND SINGLE PLUS DOUBLE SCATTERING

6-C -NAT	1.46+01 1.46+01	1	TOTAL	
11-NA-23	1.46+01 1.46+01	1	TOTAL	
19-K -NAT	1.46+01 1.46+01	1	TOTAL	
20-CA-NAT	1.46+01 1.46+01	1	TOTAL	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-287 ***

REF. NO. = 1941

07/04/76

EC5IL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1942

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1942 NUCLEAR SCIENCE AND ENGINEERING 25, 1 (1966) F.F.FELBER, JR., D.R.FARLEO, V.C.VAN SICKLE (PRATT-WHITNEY AIR-CANEL) RESULTS ARE BASED ON HELIUM PRODUCED DURING IRRADIATION OF SAMPLES	4-BE-9	2.00+00 2.00+00	1 N,2N	SPECT.AV.
1943 NUCLEAR PHYS. 103, 238 (1967) J.MOSNER, G.SCHMIDT, J.SCHINTLMEISTER (DRESDEN) NUCLEAR EMULSIONS, D-T SOURCE, CLOUD CHAMBER, THREE-BODY FINAL STATE NUCLEAR PHYS. 173, 449 (1971)	7-N -14 7-N -14	1.57+01 1.57+01 1.41+01 1.57+01	1 N,T 2 N,2A	
1944 PHYS. REV. 167, 1091 (1968) P.N.TIWARI, E.KONDAIAH (TATA) ACTIVATION NUCLEAR INSTRUMENTS AND METHODS 42, 118 (1966)	13-AL-27 19-K -39 19-K -41 19-K -41 20-CA-40 20-CA-42 20-CA-43 20-CA-43 20-CA-44 20-CA-44 20-CA-44 20-CA-46	1.4+01 1.42+01	1 N,P 1 N,2N 1 N,P 1 N,A 1 N,T 1 N,P 1 N,P 1 N,P 1 N,P 1 N,D 1 N,P 1 N,D 1 N,A 1 N,2N	
1945 J. INORG. NUCLEAR CHEM. 30, 355 (1968) L.HUSAIN, P.K.KURODA (U.ARKANSAS) ACTIVATION	18-AR-38 18-AR-40 18-AR-40 18-AR-40	1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01	1 N,P 1 N,N,P 1 N,P 1 N,A	
1946 PHYS. REV. 165, 1184 (1968) I.G.SCHRODER, M.MC KEOWN, G.S.HARFF-GOLDHABER (BNL) DETECTED CHARGED PARTICLES, NORMALIZED TO N-14 (N,P) THERMAL CROSS SECTION VALUE OF 1.81 BARNS	17-CL-35 19-K -40 19-K -40	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 N,P 2 N,P 1 N,A	SPECT.AV. SPECT.AV. SPECT.AV.
1947 NUCLEAR SCIENCE AND ENGINEERING 31, 254 (1968) J.R.BEYSTER (GENERAL ATOMIC) DETECTED NEUTRONS USING LIGHT FROM LI-6 (N,ALPHA) REACTION IN LI-6 LOADED GLASS. MULTIPLE SCATTERING CORRECTIONS MADE USING FACTOR METHOD. AUTHOR STATES CORRECTIONS MIGHT BE IN SERIOUS ERROR	H20	6.10-09 2.20-06	993	SCATTER DIA)
1948 PHYS. REV. LETTERS 20, 468 (1968) M.N.KREISLER, L.W.JONES, M.J.LONGO, J.R.O'FALLON (BNL-AGS) NEUTRONS DETECTED BY IRON CALORIMETER IN WHICH NEUTRONS INTERACT WITH AN IRON SLAB AND THE RESULTANT NEUTRON INDUCED CASCADE IS DETECTED BY SCINTILLATION COUNTERS	1-H -1 1-H -2	1.46+04 2.70+04 1.46+04 2.70+04	4 TOTAL 2 TOTAL	
1949 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/65 (1965) M.ASGHAR, M.C.MOXON, C.M.CARNEY (AERE) LINAC SOURCE WITH LI-6 GLASS SCINTILLATORS FOR ELASTIC SCAT- TERING AND MOXON-RAE DETECTORS FOR CAPTURE. RESOLUTION WAS 5 NSEC/M.	47-AG-107 47-AG-109 65-TB-159 69-TM-169 79-AU-197	1.63-05 3.62-04 5.20-06 4.04-04 2.43-05 1.13-04 1.43-05 2.97-04 4.64-05 5.47-04	24 29 33 54 60	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-288 ***

REF.NO.=1949

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1949

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1949 SEE REFERENCE 2838 FOR FINAL HO-165 RESULTS

1950 PRIVATE COMMUNICATION (1965) R.B.DAY (LASL)
NO METHOD GIVEN. DATA RECEIVED FROM NNCSC

79-AU-197	5.00-01	4.10+00	4 TOTAL
79-AU-197	5.00-01	2.50+00	71 ELASTIC D(A)
81-TL-HAT	5.00-01	4.10+00	4 TOTAL
81-TL-204	5.00-01	2.50+00	66 ELASTIC D(A)
82-PB-206	5.00-01	4.10+00	4 TOTAL
82-PB-206	5.00-01	2.50+00	72 ELASTIC D(A)
82-PB-207	5.00-01	4.10+00	4 TOTAL
82-PB-207	5.00-01	2.50+00	51 ELASTIC D(A)
82-PB-208	5.00-01	4.10+00	4 TOTAL
82-PB-208	5.00-01	2.50+00	111 ELASTIC D(A)
83-B1-209	5.00-01	4.10+00	4 TOTAL
83-B1-209	5.00-01	1.00+00	30 ELASTIC D(A)

1951 NUCLEAR PHYS. 76, 391 (1966) J.JULIEN, S.DE BARROS,
G.BIANCHI, C.CORGE, V-D.HUYNH, G.LE POITTEVIN, J.MORGENSTERN,
F.NETTER, C.SAMOUR, M.VASTEL (SACLAY)
TRANSMISSION AND CAPTURE MEASUREMENTS. AREA AND SHAPE
ANALYSIS. RESOLUTION WAS 0.3 NSEC/M ON THE TRANSMISSION
MEASUREMENT.
CEA-R-3385 (1968)

79-AU-197	4.00-06	1.00-03	3 AV.RES.PARAM.
79-AU-197	4.65-05	9.95-04	200 RES.PARAM.

1952 EANDC(US)-79U PAGE 72 (1965) H.A.GRENCH, K.L.COOP,
H.O.MENLOVE, F.J.VAUGHN (LOCKHEED)
FISSION. CHAMBER. VALUES ARE RELATIVE TO U235 FISSION. NORMAL-
IZING VALUES NOT GIVEN

79-AU-197	1.43-01	1.22+00	12 N.O
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1953 J. NUCLEAR ENERGY, PART A, 11, 101 (1960) K.JIRLOW,
E.JOHANSSON (AB ATOMENERGI)
CADMIUM RATIO MEASUREMENTS

79-AU-197	5.00-07	1.50+01	1 ABSORP RES.INT.
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1954 J. NUCLEAR ENERGY, PARTS A/B, 18, 491 (1964) J.F.BARRY (ANRE)
ACTIVATION

79-AU-197	1.27-01	1.78+00	11 N.O
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1955 J. NUCLEAR ENERGY, PARTS A/B, 20, 825 (1966) H.P.PUENITZ
(KFK, KARLSRUHE)
ACTIVATION
IAEA COM. ON NUCLEAR DATA. PARIS, PAPER CN-21/6 (1968)

79-AU-197	3.00-02	6.40-02	2 N.O
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1956 NUCLEAR INSTRUMENTS AND METHODS 31, 125 (1964)
E.HADDAD, R.B.WALTON, S.J.FRIESENHAHN, W.M.LOPEZ
(GENERAL ATOMIC)
LIQUID SCINTILLATOR

79-AU-197	1.00-08	3.50-02	208 N.O
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1957 NUCLEAR PHYS. 69, 158 (1965) S.K.MANGAL, C.S.KHURANA
(ALICATH)
ACTIVATION

34-SE-80	1.48+01	1.48+01	1 N,2N
34-SE-82	1.48+01	1.48+01	1 N,2N
78-PT-198	1.48+01	1.48+01	1 N,2N
78-PT-198	1.48+01	1.48+01	1 N,2N
79-AU-197	1.48+01	1.48+01	1 N,2N
79-AU-197	1.48+01	1.48+01	1 N,2N

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-289 ***

REF.NO.=1957

07/04/76

EC51L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1958

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1958 NUCLEAR PHYS. 69, 37 (1955) K.K.HARRIS, H.A.GRENCH, R.G.JOHNSON, F.J.VAUGHN, J.4.FERZIGER, R.SHER (LOCKHEED) ACTIVATION	79-AU-197	1.20-02 6.03-01	15	N.G
1959 BULL. BORIS KIDRIC INST. NUCL. SCI. NUCL. ENO. 19, 13 (1968) A.KOCIC, V.MARKOVIC (YUGOSLAVIA) PILE OSCILLATOR RELATIVE TO AU-197 CROSS SECTIONS = 98.9 BARNS AND R1 = 1540 BARNS	40-ZR-NAT 40-ZR-NAT	2.50-08 2.50-08 5.00-07 1.50-01	1 1	ABSORP SPECT.AV. ABSORP RES.INT.
1960 J. EXPTL. THEORET. PHYS. (USSR) 46, 80 (1964) V.A.KONKS, YU.P.POPOV, F.L.SHAPIRO (PN LEBEDEV PHYS.INST.) LEAD SLOWING DOWN TIME SPECTROMETER	57-LA-139 59-PR-141 73-TA-NAT 79-AU-197	4.00-05 4.00-02 2.20-05 4.00-02 3.2.-07 4.50-02 1.80-07 4.10-02	66 73 148 99	N.G N.G N.G N.G
1961 NUCLEAR PHYS. 11, 372 (1963) S.K.MANGAL, P.S.GILL (ALIGARH) ACTIVATION	46-PD-110 50-SN-122 50-SN-124 56-BA-134 64-GD-158 64-GD-160 69-ER-170 76-OS-190 76-OS-190 78-Pt-192 80-HG-196	2.50-08 2.50-08	1 1 1 1 1 1 1 1 1 1 2	N.G N.G N.G N.G N.G N.G N.G N.G N.G N.G N.G SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV.
1962 NUCLEAR SCIENCE AND ENGINEERING 31, 545 (1968) R.S.TILBURY, H.H.KRAMER (STERLING FOREST RES.CTR.) ACTIVATION	46-PD-106 46-PD-108 50-SN-112 50-SN-122 50-SN-124 54-XE-128 54-XE-130 54-XE-132 56-BA-130 80-HG-196	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1 1 1 1 1 2 1 2	N.G N.G N.G N.G N.G N.G N.G N.G N.G N.G SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV.
1963 NUCLEAR DATA FOR REACTORS, HELSINKI, 1, 513 (1970) J.BLONS, H.DERRIEN, A.MICHAUDON (SACLAY) TIME OF FLIGHT TECHNIQUE. TARGET AT 77 DEGREES K. GAS SCINTILLATOR. RESOLUTION OF 1 N SEC/M. SINGLE LEVEL SHAPE ANALYSIS UTILIZING TOTAL AND NEUTRON WIDTHS FROM REF.2438. SEE ALSO REF.3204 FOR FISSION CROSS SECTIONS SEE ALSO REF. 1349.	94-FU-239 94-FU-239	0. 3.00-07 6.58-04	14 209	AV.RES.PARAM. RES.PARAM.
1964 J. INORG. NUCLEAR CHEM. 30, 349 (1968) G.H.F.SIMS, D.G.JUHNKE (AECL OTTAWA) ACTIVATION. MEASUREMENTS ARE RELATIVE TO CO-59 (N,GAMMA) THERMAL CROSS SECTION OF 37.5 BARNS AND CO-59 RESONANCE INTEGRAL OF 69.9 BARNS	24-CR-50 24-CR-50 47.-.-109 47-AG-109 51-SB-123 51-SB-123 55-CS-133	2.50-08 2.50-08 5.00-07 1.50+01 2.50-08 2.50-08 5.00-07 1.50+01 2.50-08 2.50-08 5.00-07 1.50+01 2.50 08 2.50-08	1 1 1 1 1 1 1	N.G N.G N.G N.G N.G N.G N.G SPECT.AV. RES.INT. SPECT.AV. RES.INT. SPECT.AV. RES.INT. SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-290 ***

REF.NO.=1964

07/04/76

ECS:L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1964

REF BIBLIOGRAPHY

1964

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
55-CS-133	5.00-07 1.50+01	1 N.G	RES. INT.
77-IR-191	2.50-08 2.50-08	1 N.G	SPECT. AV.
77-IR-191	5.00-07 1.50+01	1 N.G	RES. INT.
80-HG-202	2.50-08 2.50-08	1 N.G	SPECT. AV.
80-HG-202	5.00-07 1.50+01	1 N.G	RES. INT.

1965 PRIVATE COMMUNICATION (1962) R.T.CARPENTER (ANL)
TIME OF FLIGHT, DATA RECEIVED FROM NNCSC

81-TL-NAT 1.88-05 9.97-03 522 TOTAL

1966 J. EXPTL. THEORET. PHYS. (USSR) 47, 795 (1964) V.A.KONKS,
F.L.SHAPIRO (PN LEBEDEV PHYS. INST.)
LEAD SLOWING DOWN TIME SPECTROMETER, NATURAL ELEMENT AND
ENRICHED ISOTOPES

81-TL-NAT	7.40-07 4.20-02	120 N.G
81-TL-203	1.00-06 3.50-02	55 N.G
81-TL-203	2.7-04 5.00-03	3 RES.PARAM.
81-TL-205	1.00-05 3.50-02	20 N.G
81-TL-205	3.00-03 3.00-03	1 RES.PARAM.

1967 PHYS. REV. 108, 353 (1957) A.STOLOVY, J.A.HARVEY (BNL)
TRANSMISSION, NATURAL ELEMENT AND ENRICHED ISOTOPES

78-SR-87	3.56-06 6.20-04	5 RES.PARAM.
40-ZR-91	2.96-04 2.96-04	1 RES.PARAM.
51-SB-121	6.24-06 2.37-05	8 RES.PARAM.
51-SB-123	2.16-05 2.16-05	3 RES.PARAM.
56-BA-135	2.45-05 1.06-04	6 RES.PARAM.
56-LA-135	1.03-04 1.03-04	1 RES.PARAM.
57-LA-NAT	6.41-05 8.32-05	21 TOTAL
57-LA-139	7.35-05 7.35-05	3 RES.PARAM.
60-ND-145	4.37-05 9.60-05	7 RES.PARAM.
78-PT-195	1.19-05 1.96-05	8 RES.PARAM.
81-TL-203	2.38-04 2.38-04	3 RES.PARAM.

1968 NUCLEAR PHYS. 51, 329 (1964) H.SPENKE (VIENNA)
ACTIVATION
ANZ.OESTERR.AKAD.WISS. MATH-NATURWISS.KL. 100, 197 (1963)

63-EU-151	1.48+01 1.48+01	1 N.2N
68-ER-170	1.48+01 1.48+01	1 N.2N
70-YB-176	1.48+01 1.48+01	1 N.2N
81-TL-205	1.48+01 1.48+01	1 N.2N

1969 BULL. AM. PHYS. SOC. 1, 56 (1956) H.A.MEHLHORN (BROWN U.)
NUCLEAR EMULSIONS

82-PB-NAT 1.35+01 1.35+01 7 ELASTIC DIA

1970 CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., P.726 (1966)
L.E.BEGHIAN, F.HOFMANN, S.WILENSKY (MIT)
MEASURED DECAY CONSTANT OF LEAD ASSEMBLIES

82-PB-NAT 1.74+00 2.10+00 2 NONELAS

1971 PHYS. REV. 142, 775 (1966) L.CRANBERG, C.D.ZAFIRATOS (LASL)
TIME OF FLIGHT

82-PB-NAT	8.00+00 8.00+00	13 N.N'	D(1)
RADIO LEAD	8.00+00 8.00+00	18 N.N'	O(A)
83-BI-209	8.00+00 8.00+00	19 N.N'	O(A)

1972 BULL. AM. PHYS. SOC. 7, 334 (1962) E.R.SHUNK, R.T.WAGNER,
A.HEMMENDINGER (LASL)
ACTIVATION

82-PB-207	1.80+00 1.40+01	11 N.N'
82-PB-208	8.00+00 1.40+01	5 N.2N

1973 PHYS. REV. LETTERS 14, 913 (1965) C.D.ZAFIRATOS,
T.A.OLIPHANT, J.S.LEVIN, L.CRANBERG (LASL)
TIME OF FLIGHT

RADIO LEAD	7.00+00 7.00+00	30 ELASTIC DIA
83-BI-209	7.00+00 7.00+00	30 ELASTIC DIA

1974 NUCLEAR PHYS. 44, 431 (1963) F.W.K.FIRK, J.E.LYNN, M.C.MOXON

83-BI-209 9.35-03 1.87-02 97 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-291 ***

REF.NO.=1974

07/04/76

ECSIL-7800 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1974

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1974 (AERE) TRANSMISSION. RESOLUTION WAS 3 NSEC/M.	83-BI-209	7.84-04 1.55-02	10	RES.PARAM.
1975 NUCLEAR PHYS. 73, 548 (1965) P.KULISIC, N.CINDRO, P.STROHAL, B.LALOVIC (ZAGREB) SEMI-CONDUCTOR COUNTER TELESCOPE NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/148 (1965) NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P.557 (1965) INTERNATIONAL CONF. ON NUCLEAR PHYSICS. PARIS, P. 769 (1964)	57-LA-139 57-LA-139 57-LA-139 65-T8-159 65-T8-159 83-BI-209 83-BI-209	1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01	1 4 15 1 5 1 3	N,A N,A N,A N,A N,A N,A N,A D(A) D(A) D(A)
1976 RADIOCHIMICA ACTA 4, 113 (1965) R.GANAPATHY, J.L.MEASON (U.ARKANSAS) DETECTED RU-105 ACTIVITY FROM FISSION PRODUCTS	83-BI-209	1.4+.01 1.48+01	1	N,FISS
1977 DP-MC-66-69 (1966) C.H.ICE (SAVANNAH R.) RADIO CHEMISTRY	94-PU-242 94-PU-243 95-AM-243 95-AM-243 96-CM-244 96-CM-245 96-CM-245 96-CM-247 96-CM-247 97-BX-249 98-CF-250 98-CF-251 98-CF-251	2.50-08 2.50-08	1 1 1 1 1 1 1 1 1 1 1 1 1 1	N,0 N,0 N,0 N,0 N,0 N,FISS N,0 N,FISS N,0 N,0 N,0 N,FISS N,0 SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV.
1978 PHYS. REV. 134, 1281 (1964) R.E.COTE, R.F.BARNES, H.DIAMOND (ANL) FAST CHOPPER. BEST RESOLUTION OF 35 NSEC/M.	96-CM-244 98-CM-244 96-CM-244 96-CM-246	4.27-06 7.73-04 0. 2.74-04 7.73-06 7.68-04 4.33-06 6.45-05	315 1 30 6	TOTAL AV.RES.PARAM. RES.PARAM. RES.PARAM.
1979 PHYS. REV. 96, 1576 (1954) L.B.MAGNUSSON, M.H.STUDIER, P.R.FIELDS, C.M.STEVENS, J.F.MECH, A.M.FRIEDMAN, H.DIAMOND, J.R.HUIZENGA (ANL) REACTOR IRRADIATION FOLLOWED BY RADIO-CHEMICAL SEPARATION AND IDENTIFICATION	97-BX-249 98-CF-251 98-CF-252	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1	N,0 N,0 N,0 SPECT.AV. SPECT.AV. SPECT.AV.
1980 J. INORG. NUCLEAR CHEM. 27, 33 (1965) D.N.METTA, H.DIAMOND, R.F.BARNES, J.MILSTED, J.GRAY,JR., D.J.HENDERSON, C.M.STEVENS (ANL) REACTOR IRRADIATION FOLLOWED BY RADIO-CHEMICAL SEPARATION AND IDENTIFICATION	98-CF-249 98-CF-251	2.50-08 2.50-08 2.50-08 2.50-08	1 1	N,FISS N,FISS SPECT.AV. SPECT.AV.
1981 ATOMNAYA ENERGIYA 1, 67 (1956) M.L.PEVZNER, L.S.DAMELYAN, YU.V.ADAMCHUK (USSR) TRANSMISSION. RESOLUTION VARIED FROM 5 PERCENT AT 0.5 EV UP TO 20 PERCENT AT 50 EV.	88-RA-226 88-RA-226	5.21-08 5.02-05 5.37-07 5.37-07	225 4	TOTAL RES.PARAM.
1982 J. AM. CHEM. SOC. 72, 768 (1950) F.HAGEMANN (ANL)	88-RA-226	2.50-08 2.50-08	1	N,0 SPECT.AV.
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

*** 3-292 ***

REF.NO.=1982

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1982

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

1982 RADIO-CHEMISTRY

1983 CAN. J. CHEM. 37, 1094 (1959) M.J. CABELL (CHALK R.)
ACTIVATION89-AC-227 2.50-08 2.50-08 1 N.G SPECT. AV.
89-AC-227 5.00-07 1.50+01 1 N.G RES. INT.1984 PHYS. REV. 102, 1140 (1956) H.W. KIRBY, G.R. GROVE, D.L. TIMMA
(MOUND)
PILE OSCILLATION

89-AC-227 2.50-08 2.50-08 1 N.G SPECT. AV.

1985 J. NUCLEAR ENERGY, PARTS A/B, 19, 497 (1965) S. PEARLSTEIN,
E.J. WINHOLD (RP1)
PROTON RECOIL NEUTRON SPECTROMETER73-TA-NAT 1.41+01 1.41+01 1 N.N'EMS E1-E2,D(A)
74-W-NAT 1.41+01 1.41+01 1 N.N'EMS E1-E2,D(A)
81-TL-NAT 1.41+01 1.41+01 1 N.N'EMS E1-E2,D(A)
82-PB-NAT 1.41+01 1.41+01 1 N.N'EMS E1-E2,D(A)1986 BULL. AM. PHYS. SOC. 6, 478 (1963) S.A. COX (ANL)
CYLINDRICAL SAMPLES WITH PULSE-SHAPE DISCRIMINATION NEUTRON
DETECTOR

29-CU-NAT 6.72-01 1.23+00 552 ELASTIC D(A)

1987 PRIVATE COMMUNICATION (1955) L.M. BOLLINGER (ANL)
DATA RECEIVED FROM NNCS. TIME OF FLIGHT29-CU-NAT 5.28-05 9.55-03 141 TOTAL
41-NB-93 3.27-05 9.61-03 188 TOTAL
79-AU-197 5.66-05 6.26-05 15 TOTAL1988 INT. CONF. ON INTERACT. OF NEUT. W/NUCLEI. DUBNA, P.100(1964)
V.A. KONKS
DATA VIA NNCS. LEAD SLOWING DOWN SPECTROMETER63-EU-NAT 7.60-07 4.30-02 208 N.G
63-EU-151 8.30-07 4.10-02 161 N.G
63-EU-153 8.50-07 4.20-02 88 N.G1989 BULL. AM. PHYS. SOC. 10, 12 (1965) D.D. HICKMAN (KAPL)
DATA RECEIVED FROM NNCS. FAST CHOPPER, THERE IS ALSO
PVT. COMM. (1966)55-CS-133 1.60-08 4.37-06 69 TOTAL
59-PR-141 1.70-08 8.34-06 156 TOTAL1990 J. NUCLEAR ENERGY 22, 191 (1968) S.J. FRIESENHANN, D.A. GIBBS,
E. HADDAD, F.H. FROHNER, W.M. LOPEZ (OQA)
LINAC SOURCE AND LARGE LIQUID SCINTILLATOR. SHAPE AND AREA
ANALYSIS. NATURAL ELEMENT AND ENRICHED ISOTOPES
BULL. AM. PHYS. SOC. 12, 596 (1967)
WASH-1068 PAGE 59 (1966)75-RE-NAT 1.16-08 9.98-08 92 TOTAL
75-RE-NAT 2.53-08 2.53-08 1 N.G
75-RE-NAT 0. 1.00-04 2 AV. RES. PARAM.
75-RE-185 1.00-08 4.00-02 42 N.G
75-RE-185 5.00-07 1.50+01 1 N.G RES. INT.
75-RE-185 0. 3.00-02 4 AV. RES. PARAM.
75-RE-185 -6.75-06 6.02-04 108 RES. PARAM.
75-RE-187 1.00-08 4.00-02 28 N.G
75-RE-187 5.00-07 1.50+01 1 N.G RES. INT.
75-RE-187 0. 3.00-02 4 AV. RES. PARAM.
75-RE-187 -2.10-08 4.93-04 94 RES. PARAM.
79-AU-197 2.53-08 2.53-08 1 N.G1991 J. NUCLEAR ENERGY 21, 797 (1967) G. PETO, Z. MILIGY, I. HUNYADI
(DEBRECEN)
ACTIVATION13-AL-27 3.00+00 3.00+00 1 N.G
25-MN-55 3.00+00 3.00+00 1 N.G
29-CU-65 3.00+00 3.00+00 1 N.G
31-OA-69 3.00+00 3.00+00 1 N.G
31-OA-71 3.00+00 3.00+00 1 N.G
32-GE-74 3.00+00 3.00+00 1 N.G
33-AS-75 3.00+00 3.00+00 1 N.G
39-Y -89 3.00+00 3.00+00 1 N.G
42-MO-98 3.00+00 3.00+00 1 N.G

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-293 ***

REF. NO. = 1991

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=1991

REF BIBLIOGRAPHY

1991

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
44-RU-104	3.00+00 3.00+00	1	N.O
45-RH-103	3.00+00 3.00+00	1	N.O
47-AG-107	3.00+00 3.00+00	1	N.O
49-IN-115	3.00+00 3.00+00	1	N.O
51-SB-121	3.00+00 3.00+00	1	N.O
53-I -127	3.00+00 3.00+00	1	N.O
56-BA-138	3.00+00 3.00+00	1	N.O
57-LA-139	3.00+00 3.00+00	1	N.O
58-CE-142	3.00+00 3.00+00	1	N.O
59-PR-141	3.00+00 3.00+00	1	N.O
62-SM-152	3.00 00 3.00+00	1	N.O
62-SM-154	3.00+00 3.00+00	1	N.O
64-GD-158	3.00+00 3.00+00	1	N.O
65-TB-159	3.00+00 3.00+00	1	N.O
67-HO-165	3.00+00 3.00+00	1	N.O
68-ER-170	3.00+00 3.00+00	1	N.O
76-OS-192	3.00+00 3.00+00	1	N.O
77-IR-193	3.00+00 3.00+00	1	N.O
79-AU-197	3.00+00 3.00+00	1	N.O

1992 ANN. PHYS. 46, 401 (1968) R.H.TABONY, K.K.SETH (DUKE)
 AREA TECHNIQUE AS A FUNCTION OF SAMPLE THICKNESS. RESOLUTION
 WAS 17-15 KEV.
 SEE ALSO REFERENCE 921 FOR CROSS SECTION DATA

49-IN-NAT	3.00-02 6.50-01	2	AV.RES.PARAM.
51-SB-NAT	3.00-02 6.50-01	2	AV.RES.PARAM.
53-I -127	3.00-02 6.50-01	2	AV.RES.PARAM.
75-RE-NAT	3.00-02 6.50-01	1	AV.RES.PARAM.
80-HG-NAT	3.00-02 6.50-01	1	AV.RES.PARAM.

1993 Z. PHYSIK 183, 323 (1965) J.A.M.DE VILLIERS, C.A.ENGELBRECHT,
 W.G.VONACH, A.B.SMITH (ANL)
 TIME OF FLIGHT. ELASTIC SCATTERING DATA IS IN REFERENCE 885

79-AU-197	3.00-01 1.60+00	123	N.N'
80-HG-NAT	5.50-01 1.50+00	40	N.N'
81-TL-NAT	5.00-01 1.50+00	68	N.N'

1994 GA-E832 (1965) S.J.FRIESENHANN, E.HADDAD, F.H.FROHNER,
 W.M. LOPEZ (OGA)
 LINAC SOURCE AND LARGE LIQUID SCINTILLATOR

79-AU-197	1.00-08 8.00-08	34	N.O
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1995 NUCLEAR SCIENCE AND ENGINEERING B, 453 (1960) F.T.GOULD,
 T.J.TAYLOR, W.W.HAVENS, JR., B.M.RUSTAD, E.MELKONIAN
 (COLUMBIA U.)
 SINGLE CRYSTAL SPECTROMETER

5-B -NAT	2.53-08 2.53-08	1	ABSORP
79-AU-197	6.18-10 3.27-09	13	TOTAL
79-AU-197	2.50-08 2.50-08	1	ABSORP

1995 BULL. AM. PHYS. SOC. 5, 409 (1960) A.B.SMITH, P.A.MOLDAUER
 (ANL)
 TIME OF FLIGHT

74-W -NAT	3.50-01 1.25+00	115	ELASTIC D(A)
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1997 J. EXPTL. THEORET. PHYS. (USSR) 40, 725 (1961) V.I.STRIZHAK,
 V.V.BOGYR', L.YA.GRONA (INST.PHYS.UKR.)
 SPHERICAL SCATTERING SAMPLES WITH STILBENE DETECTOR

47-AG-NAT	1.45+01 1.45+01	16	ELASTIC D(A)
80-HO-NAT	1.45+01 1.45+01	16	ELASTIC D(A)
83-BI-209	1.45+01 1.45+01	13	ELASTIC D(A)

1998 ORNL-TM-2052 (1968) W.E.KINNEY (ORNL)
 TIME OF FLIGHT

26-FE-56	4.60+00 7.55+00	7	ELASTIC
26-FE-56	4.60+00 7.55+00	46	N.N'
26-FE-56	4.60+00 7.55+00	85	ELASTIC D(A)
26-FE-56	4.60+00 7.55+00	85	N.N' D(A)

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-294 ***

REF.NO.=1998

07/14/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 1999

REF BIBLIOGRAPHY

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1999	NUCLEAR SCIENCE AND ENGINEERING 32, 195 (1968) J.K. TEMPERLEY (NDL) ACTIVATION BULL. AM. PHYS. SOC. 12, 921 (1967)	28-NI-58 28-NI-58 28-NI-58 38-SR-87 48-CO-111 48-CO-112	1.37+01 1.47+01 2.20+00 1.47+01 1.37+01 1.47+01 2.20+00 1.47+01 2.20+00 1.47+01 1.37+01 1.47+01	11 18 8 15 18 3	N,2N N,P ACTIVAT N,N' N,N' N,2N
2000	ATOMNAYA ENERGIYA 21, 506 (1966) V.A. TOLSTIKOV, V.P. KOROLEVA, V.E. KOLESOV, A.G. DOYBENKO (USSR) RELATIVE ACTIVATION, NORMALIZED TO Y89 THERMAL CAPTURE CROSS SECTION VALUE OF 1.26 BARNS	39-Y -89	1.66-01 3.62+00	21	N,G
2001	J. INORG. NUCLEAR CHEM. 29, 2853 (1967) G.H.E. SIMS, D.G. JUHNKE (AECL) ACTIVATION	30-ZN-64 30-ZN-64 34-SE-74 34-SE-74 37-RB-85 37-RB-85 42-MO-98 42-MO-98	2.50-08 2.50-08 4.40-07 1.50+01 2.50-08 2.50-08 4.40-07 1.50+01 2.50-08 2.50-08 4.40-07 1.50+01 2.50-08 2.50-08 4.40-07 1.50+01	1 1 1 1 1 1 1 1	N,G N,G SPECT. AV. RES. INT. SPECT. AV. RES. INT. SPECT. AV. RES. INT.
2002	BULL. AM. PHYS. SOC. 13, 602 (1968) P.V. RAO, R.E. WOOD, J.M. PALMS, R.W. FINK (EMORY U.) ACTIVATION	35-BR-79 35-BR-79 35-BR-81 35-BR-81 35-BR-81 37-RB-85 37-RB-85 37-RB-85 37-RB-85 37-RB-87 37-RB-87 37-RB-87	1.44+01 1.44+01	1 1 1 1 1 1 1 1 1 1 1 1	N,2N N,A N,2N N,2N N,A N,2N N,A N,2N N,A N,2N N,P N,A
2003	PHYS. LETTERS 10, 86 (1964) J. JULIEN, G. BIANCHI, C. CORGE, V-D. HUYNH, G. LE POITTEVIN, J. MORGENSTERN, F. NETTER, C. SAMOUR (SACLAY) TIME OF FLIGHT TECHNIQUE. RESOLUTION WAS 0.8 NSEC/M.	31-GA-NAT 31-GA-69 31-GA-71 33-AS-75	4.72-04 3.51-03 3.34-04 2.46-03 2.87-04 7.06-04 3.19-04 3.99-03	11 35 15 136	RES. PARAM. RES. PARAM. RES. PARAM. RES. PARAM.
2004	YAD. FIZ. 6, 11 (1967) V.V. IVANENKO, K.A. PETRZHAK, V.I. POIAMANOV (USSR) ACTIVATION	34-SE-76 34-SE-77 34-SE-80	1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01	1 1 1	N,P ACTIVAT N,A
2005	YAD. FIZ. 5, 1175 (1967) G.P. VINITSKAYA, V.N. LEVKOVSKII, V.V. SOKOL'SKII, I.V. KAZACHEVSKII (INP) KAZAKH SSR ACTIVATION	29-CU-65 30-ZN-64 30-ZN-66 30-ZN-67 30-ZN-68 31-GA-69 31-GA-69 31-GA-69 31-GA-69 31-GA-71	1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01	1 1 1 1 1 1 1 1 1 1	N,P N,P N,P N,P N,A N,P N,A N,P N,A

REF BIBLIOGRAPHY

TARGE EN. RANGE (MEV) PTS DESCRIPTION

*** 3-295 ***

REF. NO. = 2005

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2005

REF BIBLIOGRAPHY

2005

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
31-GA-71	1.48+01 1.48+01	1	N.P
32-GE-70	1.48+01 1.48+01	1	N.P
32-GE-72	1.48+01 1.48+01	1	N.P
32-GE-72	1.48+01 1.48+01	1	N.A
32-GE-72	1.48+01 1.48+01	1	N.A
32-GE-73	1.48+01 1.48+01	1	N.P
32-GE-74	1.48+01 1.48+01	1	N.P
32-GE-74	1.48+01 1.48+01	1	N.A
32-GE-74	1.48+01 1.48+01	1	N.A

2006 YAD. FIZ. 6, 240 (1967) G.P.VINITSKAYA, V.N.LEVKOVSKI, V.V.SOKOL'SKII (NPI KAZAKH SSR)
ACTIVATION

33-AS-75	1.48+01 1.48+01	1	N.P
33-AS-75	1.48+01 1.48+01	1	N.A
34-SE-74	1.48+01 1.48+01	1	N.P
34-SE-76	1.48+01 1.48+01	1	N.P
34-SE-77	1.48+01 1.48+01	1	N.P
34-SE-78	1.48+01 1.48+01	1	N.P
34-SE-78	1.48+01 1.48+01	1	N.A
34-SE-80	1.48+01 1.48+01	1	N.A
35-BR-79	1.48+01 1.48+01	1	N.A
35-BR-81	1.48+01 1.48+01	2	N.P
35-BR-81	1.48+01 1.48+01	1	N.A

2007 PRIVATE COMMUNICATION (1959) R.E.CHRIEN (BNL)
DATA RECEIVED FROM NNCS. TIME OF FLIGHT
BNL-325 2ND ED. SUPPL.2 (1965)
FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS.
ENRICHED RE-185 ISOTOPE

20-CA-43	1.49-03 1.49-03	1	RES.PARAM.
45-RH-103	1.45-05 1.33-02	157	TOTAL
45-RH-103	4.38-05 3.26-04	12	RES.PARAM.
46-PD-NAT	1.14-04 9.23-04	14	RES.PARAM.
46-PD-105	1.19-05 3.55-04	27	RES.PARAM.
46-PD-108	3.31-05 9.07-05	3	RES.PARAM.
74-W-183	7.62-06 2.71-05	9	RES.PARAM.
75-RE-NAT	5.88-05 1.23-04	6	RES.PARAM.
75-RE-185	1.19-05 1.00-04	20	RES.PARAM.
75-RE-187	1.11-05 1.15-04	12	RES.PARAM.
78-PY-NAT	3.30-05 3.30-05	2	RES.PARAM.
78-PY-192	4.60-05 5.30-05	3	RES.PARAM.
78-PY-195	1.39-04 1.52-04	3	RES.PARAM.

2008 NUCLEAR PHYS. 106, 401 (1968) D.MILJANIC, G.PAIC, B.ANTOLKOVIC, P.TOMAS (ZAGREB)
DETECTED DEUTERONS

7-N-14	1.44+01 1.44+01	9	N.D	D(A)
17-CL-35	1.44+01 1.44+01	23	N.D	D(A)
19-K-39	1.44+01 1.44+01	18	N.D	D(A)
20-CA-40	1.44+01 1.44+01	14	N.D	D(A)
20-CA-40	1.44+01 1.44+01	14	N.D	D(A)
33-AS-75	1.44+01 1.44+01	21	N.D	D(A)

2009 ACTA PHYSICA ACAD. SCI. HUNGARICAE 23, 87 (1967) J.CSIKAI, G.PETO (DEBRECEN)
ACTIVATION

7-N-14	1.23+01 1.23+01	1	N.2N
9-F-19	1.40+01 1.40+01	1	N.2N
20-CA-48	1.33+01 1.33+01	1	N.2N
21-SC-5	1.46+01 1.46+01	1	N.2N
25-MN-55	1.34+01 1.34+01	1	N.2N
28-NI-58	1.54+01 1.54+01	1	N.2N
29-CU-63	1.40+01 1.40+01	1	N.2N
29-CU-65	1.31+01 1.31+01	1	N.2N
30-ZN-64	1.47+01 1.50+01	2	N.2N

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-296 ***

REF.NO.=2009

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2009

REF BIBLIOGRAPHY

2009

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
30-ZN-66	1.42+01 1.42+01	1	N,2N
30-ZN-70	1.47+01 1.47+01	1	N,2N'
31-GA-69	1.47+01 1.47+01	1	N,2N
31-GA-71	1.47+01 1.47+01	1	N,2N
33-AS-75	1.47+01 1.47+01	1	N,2N
34-SE-82	1.23+01 1.23+01	1	N,2N
37-RB-85	1.36+01 1.36+01	1	N,2N
37-RB-87	1.30+01 1.30+01	1	N,2N
38-SR-86	1.46+01 1.46+01	1	N,2N
39-Y -89	1.50+01 1.50+01	1	N,2N
40-ZR-90	1.51+01 1.51+01	1	N,2N
42-MO-92	1.61+01 1.63+01	1	N,2N
42-MO-100	1.47+01 1.47+01	1	N,2N
50-SN-112	1.42+01 1.42+01	1	N,2N
62-SM-144	1.38+01 1.38+01	1	N,2N
82-PB-204	1.47+01 1.47+01	1	N,N'
82-PB-204	1.47+01 1.47+01	1	N,2N

2010 PHYS. REV. 166, 1074 (1968) D.B.NICHOLS, M.T.MC ELLISTREM
(U.KENTUCKY)
NAI(TL AND GELI DETECTORS WITH PULSED BEAM TECHNIQUES TO
ELIMINATE BACKGROUNDS

19-K -NAT	1.82+00 3.96+00	20	N,XG
19-K -39	2.63+00 3.96+00	8	N,N'
19-K -39	3.42+00 3.96+00	2	N,XG
19-K -41	1.82+00 3.96+00	5	N,N'

2011 PRIVATE COMMUNICATION (1968) F.G.PEREY (ORNL)
TIME OF FLIGHT

6-C -NAT	7.60+00 7.60+00	12	ELASTIC D(A)
6-C -12	7.60+00 7.60+00	12	N,N' D(A)
12-MG-NAT	7.60+00 7.60+00	13	ELASTIC D(A)
12-MG-NAT	7.60+00 7.60+00	26	N,XG D(A)
13-AL-27	7.60+00 7.60+00	13	ELASTIC D(A)
13-AL-27	7.60+00 7.60+00	57	N,XG D(A)
14-SI-NAT	7.60+00 7.60+00	16	ELASTIC D(A)
14-SI-NAT	7.60+00 7.60+00	32	N,XG D(A)
16-S -NAT	7.60+00 7.60+00	12	ELASTIC D(A)
16-S -32	7.60+00 7.60+00	46	N,XG D(A)
27-CO-59	7.60+00 7.60+00	11	ELASTIC D(A)
27-CO-59	7.60+00 7.60+00	10	N,XG D(A)
39-Y -89	7.60+00 7.60+00	16	ELASTIC D(A)
39-Y -89	7.60+00 7.60+00	1	N,XG D(A)

2012 NUCLEAR PHYS. 82, 16 (1966) F.P.MOORING, J.E.MONAHAN,
C.M.HUDDLESTON (ANL)
DETECTORS ARE LARGE TANKS OF MINERAL OIL WITH 348F3 COUNTERS.
SURROUNDED BY ANNULAR SHIELD TANK FILLED WITH SATURATED SOLUTION
OF NABO-2. MEASUREMENTS WERE TRANSMISSIONS, B-10 ABSORP-
TION CROSS SECTIONS OBTAINED BY SUBTRACTING INTEGRATED DATA
OF REFERENCE 231 FROM TOTAL CROSS SECTIONS MEASURED IN THIS
EXPERIMENT

5-B -NAT	1.10-02 4.97-01	54	TOTAL
5-B -10	1.10-02 4.98-01	105	ABSORP
5-B -11	1.30-02 4.97-01	52	TOTAL

2013 PHYS. REV. 99, 1625 (1955) A.L.TOLLER, H.W.NEWMAN,
E.MERZBACHER (DUKE U.)
TRANSMISSION

11-NA-23	1.04-02 1.58-01	147	TOTAL
13-AL-27	3.50-02 9.00-02	5	RES.PARAM.

2014 NUCLEAR PHYS. 117, 472 (1968) J.M.FERGUSON (NRDL)

16-S -NAT	1.7 +00 2.60+00	100	TOTAL
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REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-297 ***

REF.NO.=2014

07/04/76

ECS(L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2014

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2014	TRANSMISSION	26-FC-NAT	1.79+00 2.36+00	75	TOTAL
2015	NUCLEAR PHYS. 61, 457 (1965) R.A.J.RIDDLE, A.LANGSFORD, P.H.BOWEN, G.C.COX (AERE) TIME OF FLIGHT	1-H -2	1.75+01 1.12+02	28	TOTAL
2016	NUCLEAR PHYS. 59, 321 (1964) W.J.MC DONALD, J.M.ROBSON (U.O.TAWA) TIME OF FLIGHT	20-CA-40 20-CA-40 20-CA-40	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 14 13	ELASTIC ELASTIC D(A) N,N' D(A)
2017	ANL-7363 (1967) A.B.SMITH, P.T.GUENTHER, R.HAYES, J.F.WHALEN (ANL) TRANSMISSION	73-TA-NAT 75-RE-NAT	1.00-01 6.48-01 5.4-01 1.50+00	443 111	TOTAL TOTAL
2018	PHYS. REV. LETTERS 20, 502 (1968) J.S.MC CARTHY, T.R.FISHER, E.R.SHELLEY, R.S.SAFRATA, D.C.HEALEY (STANFORD U.) TRANSMISSION WITH POLARIZED TARGET	67-HO-165	3.30-01 5.60+00	5	TOTAL
2019	ANL-6589 (1962) R.T.CARPENTER (ANL) FAST CHOPPER. SPIN ASSIGNMENTS ARE OBTAINED VIA PRIVATE COMMUNICATION FROM BOLLINGER. NEUTRON RESOLUTION WAS 100 NSEC/M.	60-ND-143 60-ND-145 62-SM-147 62-SM-149 64-GD-155 64-GD-157 70-YB-171 70-YB-173 72-HF-177	5.60-05 1.93-04 4.43-06 1.03-04 3.40-06 3.99-05 9.76-08 4.50-05 2.01-06 1.16-03 2.90-06 4.43-05 1.35-05 1.34-04 4.60-06 4.82-05 1.10-06 2.59-05	5 5 6 14 3 5 14 11 8	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.
2020	J. INORG. NUCLEAR CHEM. 30, 15 (1968) D.R.NETHAWAY, M.C.MISSIMER (LRL LIVERMORE) ACTIVATION	67-HO-165	2.50-08 2.50 33	1	N.G SPECT.AV.
2021	PRIVATE COMMUNICATION (1956) A.FLORANCE (BNL) DATA RECEIVED FROM NNCSC. SEE ALSO REFERENCE 2243. ENRICHED ISOTOPES	64-GD-155 64-GD-157 64-GD-158	2.00-06 2.37-05 3.14-08 2.36-05 2.23-05 2.23-05	13 6 1	RES.PARAM. RES.PARAM. RES.PARAM.
2022	PRIVATE COMMUNICATION (1955) H.H.LANDON (BNL) DATA RECEIVED FROM NNCSC. CRYSTAL SPECTROMETER	77-IR-NAT	4.60-07 1.51-06	127	TOTAL
2023	PHYS. REV. 92, 1527 (1953) L.M.BOLLINGER, S.P.HARRIS, C.T.HIBDON, C.O.MUHLHAUSE (ANL) TRANSMISSION AND PILE OSCILLATOR FOR TOTAL AND CAPTURE. RESPECTIVELY. NATURAL ELEMENT AND ENRICHED ISOTOPES. RESOLUTION 750 - 1500 NSEC/M.	72-HF-NAT 72-HF-177 72-HF-178 72-HF-179	9.51-07 8.59-03 1.08-06 1.36-05 7.60-06 7.60-06 5.60-06 5.60-06	190 7 1 1	TOTAL RES.PARAM. RES.PARAM. RES.PARAM.
2024	PRIVATE COMMUNICATION (1957) R.L.ZIMMERMAN (BNL) DATA RECEIVED FROM NNCSC BNL-325 2ND ED. SUPPL.2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCSC. NATURAL HG AND SEPARATED HG ISOTOPES	29-CU-63 29-CU-65 62-SM-NAT 68-ER-162 68-ER-164 68-ER-166 68-ER-167	5.76-04 2.52-03 2.27-04 2.27-04 1.16-06 4.42-03 1.47-05 4.58-05 3.04-05 5.63-05 1.54-05 7.33-05 4.70-07 9.40-05	5 1 207 2 2 2 26	RES.PARAM. RES.PARAM. TOTAL RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-298 ***

REF.NO.=2024

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2024

REF BIBLIOGRAPHY

2024

TARGET EN. RANGE (MEV) PTS DESCRIPTION

68-ER-168 7.94-05 7.94-05 1 RES.PARAM.
 68-ER-170 9.38-05 9.38-05 1 RES.PARAM.
 80-HG-198 2.31-05 3.00-04 3 RES.PARAM.
 80-HG-199 3.35-05 4.91-04 9 RES.PARAM.
 80-HG-201 4.30-05 5.58-04 6 RES.PARAM.

2025 AMERICAN J. PHYS. 37, 649 (1969) T.C.MINOR, F.D.MARTIN,
 H.E.MONTGOMERY JR., L.M.OKUN, J.L.FOWLER (ORNL)
 STILBENE CRYSTAL DETECTORS

13-AL-27 8.94+00 8.94+00 1 TOTAL
 26-FE-NAT 8.94+00 8.94+00 1 TOTAL
 29-CU-NAT 8.94+00 8.94+00 1 TOTAL
 50-SN-NAT 8.94+00 8.94+00 1 TOTAL
 82-PB-NAT 8.94+00 8.94+00 1 TOTAL

2026 PRIVATE COMMUNICATION (1965) E.HADDAD (OGA)
 DATA RECEIVED FROM NNCSC

74-W -NAT 2.50-08 2.50-08 1 N.G SPECT.AV.
 74-W -182 2.50-08 2.50-08 1 N.G SPECT.AV.
 74-W -183 2.50-08 2.50-08 1 N.G SPECT.AV.
 74-W -184 2.50-08 2.50-08 1 N.G SPECT.AV.
 7-W -186 2.50-08 2.50-08 1 N.G SPECT.AV.

2027 A/CONF. 4, 22 (1955) V.V.VLADIMIRSKII, I.A.RADKEVICH,
 V.V.SOKOLOVSKY (USSR)
 CHOPPER. THE THIN SAMPLE DATA HAS BEEN USED IN THE RESONANCE
 PEAKS AND THE THICK SAMPLE DATA HAS BEEN USED IN THE VALLEYS

46-PD-NAT 6.19-06 7.61-02 303 TOTAL
 49-IN-NAT 4.55-06 7.04-03 231 TOTAL
 58-PB-NAT 4.63-06 2.81-02 211 TOTAL
 60-ND-NAT 4.59-06 2.81-02 95 TOTAL
 73-TA-NAT 8.25-06 9.46-03 250 TOTAL
 76-OS-NAT 4.55-06 2.81-02 278 TOTAL
 77-IR-NAT 4.55-06 2.81-02 232 TOTAL

2028 PHYS. REV. 89, 343 (1953) E.R.GRAVES, L.ROSEN (LASL)
 NUCLEAR EMULSIONS

6-C -NAT 1.41+01 1.41+01 1 NONELAS E1-E2
 13-AL-27 1.41+01 1.41+01 1 NONELAS E1-E2
 26-FE-NAT 1.41+01 1.41+01 1 NONELAS E1-E2
 29-CU-NAT 1.41+01 1.41+01 1 NONELAS E1-E2
 30-ZN-NAT 1.41+01 1.41+01 1 NONELAS E1-E2
 47-AG-NAT 1.41+01 1.41+01 1 NONELAS E1-E2
 48-CD-NAT 1.41+01 1.41+01 1 NONELAS E1-E2
 50-SN-NAT 1.41+01 1.41+01 1 NONELAS E1-E2
 79-AU-197 1.41+01 1.41+01 1 NONELAS E1-E2
 82-PB-NAT 1.41+01 1.41+01 1 NONELAS E1-E2
 83-BI-209 1.41+01 1.41+01 1 NONELAS E1-E2

2029 PHYS. REV. 105, 976 (1957) D.G.HENSHAW (CHALK R.)
 CRYSTAL SPECTROMETER

18-AR-36 7.56-08 7.56-08 1 TOTAL
 18-AR-36 7.56-08 7.56-08 1 SCATTER
 18-AR-40 7.02-08 7.02-08 1 SCATTER

2031 PRIVATE COMMUNICATION (1956) N.A.BOSTROM (U.TEXAS)
 DATA RECEIVED FROM NNCSC

13-AL-27 6.00-01 6.00-01 15 ELASTIC DATA

2032 MELV. PHYS. ACTA 34, 954 (1961) S.URECH, E.JEANNET, J.ROSSEL
 (U.NEUCHATEL)
 NUCLEAR EMULSIONS

20-CA-40 6.00+00 6.00+00 1 N.P
 20-CA-40 6.00+00 6.00+00 1 N.A

2033 PHYS. LETTERS 7, 142 (1963) E.PEETERS (U.BRUSSELS)
 ACTIVATION

14-SI-30 1.40+01 1.40+01 1 N.P

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-299 ***

REF.NO.=2033

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2034

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2034	Z. NATURFORSCHG. 20, 1583 (1965) T.LAGERHALL (HAHN-MEILNER INST.) ACTIVATION	19-K -41 20-CA-44 56-BA-138	2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00	1 N,P 1 N,A 1 N,A	SPECT.AV. SPECT.AV. SPECT.AV.
2035	PHYS. REV. 74, 364 (1948) W.B.JONES,JR. (CORNELL U.) SLOW CHOPPER	8-O -NAT	2.70-06 5.20-05	11	TOTAL
2036	NUCLEAR PHYS. 54, 17 (1984) P.KULISIC, V.AJDACIC, N.CINDRO, D.LALOVIC, P.STROHAL (ZAGREB) SEMICONDUCTOR COUNTER TELESCOPE COUNTED ALPHA PARTICLES	41-NB-93 41-NB-93 59-PR-141 59-PR-141	1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01	1 N,A 4 N,A 1 N,A 5 N,A	 D(A) D(A)
2037	PRIVATE COMMUNICATION (1962) A.B.SMITH (ANL) DATA RECEIVED FROM NNCSC	73-TA-NAT	3.50-01 1.10+00	127	ELASTIC D(A)
2038	NUCLEAR PHYS. 107, 612 (1968) E.BARNARD, J.A.M.DE VILLIERS, C.A.ENGELBRECHT, D.REITHMAN (PELINDABA, TRANSVAAL) FAST NEUTRON TIME-OF-FLIGHT SPECTROMETER	79-AU-197	1.27-01 1.50+00	91	N,N' D(A)
2039	PRIVATE COMMUNICATION (1956) O.D.SIMPSON (MTR) DATA RECEIVED FROM NNCSC	52-TE-NAT 62-SM-NAT 64-GD-NAT	1.06-05 4.03-04 1.06-05 7.35-04 8.87-06 8.00-04	191 616 725	TOTAL TOTAL TOTAL
2040	PRIVATE COMMUNICATION (1958) P.HUBERT (SACLAY) DATA RECEIVED FROM NNCSC	77-IR-NAT	2.00-09 2.40-08	23	TOTAL
2041	PRIVATE COMMUNICATION (1958) R.E.CHRLEN (BNL) DATA RECEIVED FROM NNCSC WASH-1013 PAGE 16 (1958) BNL-325 2ND ED. SUPPL.2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCSC, NATURAL ELEMENT AND ENRICHED ISOTOPES. FAST CHOPPER.	76-OS-NAT 76-OS-NAT 76-OS-187 76-OS-189 77-IR-191	3.65-07 1.62-01 6.72-06 1.09-04 1.26-05 1.26-05 6.72-06 6.05-05 5.39-06 6.17-06	489 17 1 17 5	TOTAL RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.
2042	PRIVATE COMMUNICATION (1955) P.A.EGELSTAFF (AERE) DATA RECEIVED FROM NNCSC	42-MO-NAT 49-IN-NAT 52-TE-NAT 58-CE-NAT 62-SM-NAT 66-DY-NAT 70-YB-NAT 74-W-NAT 78-PT-NAT 83-BI-209	1.44-04 2.86-01 1.44-04 2.86-01 1.44-04 2.86-01 2.90-06 3.41-05 1.44-04 2.86-01 1.44-04 3.60-02 1.44-04 3.60-02 1.44-04 2.86-01 1.44-04 2.86-01 1.44-04 2.86-01	49 49 49 50 48 47 47 49 49 49	TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL
2043	PRIVATE COMMUNICATION (1958) D.P.MANN (BNL) DATA RECEIVED FROM NNCSC	54-XE-NAT	5.24-07 1.43-04	121	TOTAL
2044	PHYS. REV. 84, 869 (1951) W.SELOVE (ANL) CHOPPER. AREA ANALYSIS. NATURAL ELEMENT AND ENRICHED ISOTOPES RESOLUTION ABOUT 1 MICROSEC/H.	47-AG-NAT 47-AG-109 74-W-NAT 74-W-182 74-W-182	5.17-06 5.17-06 5.17-06 5.17-06 3.27-06 1.28-05 3.26-06 6.44-03 4.15-06 2.15-05	1 4 34 75 3	RES.PARAM. RES.PARAM. TOTAL TOTAL RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-300 ***

REF.NO.=2044

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2044

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2044	74-W -183 74-W -183 74-W -186 74-W -186	3.26-06 2.08-01 7.80-06 4.90-05 3.26-06 5.22-01 1.92-05 2.25-04	74 TOTAL 3 RES.PARAM. 72 TOTAL 3 RES.PARAM.
2045 PHYS. REV. 89, 904 (1953) S.P.HARRIS (ANL) CHOPPER	54-XE-NAT	6.28-06 9.30-03	55 TOTAL
2046 PRIVATE COMMUNICATION (1952) J.A.HARVEY (BNL) DATA RECEIVED FROM NNCSC	83-B1-209 88-RA-226	2.53-08 2.53-08 2.53-08 2.53-08	1 BOUND 1 N,G
2047 NUCLEAR PHYS. 46, 686 (1963) P.CUZZOCREA, G.PAPPALARDO (U.CATANIA) ACTIVATION	15-P -31	3.C.+00 5.09+00	20 N,A
2049 PRIVATE COMMUNICATION (1953) P.J.BENDT (COLUMBIA U.) DATA RECEIVED FROM NNCSC	23-V -NAT	1.25-08 5.80-06	30 TOTAL
2050 SUPP-69-2 (1969) R.C.BARRALL, M.SILBERGELD, D.G.GARDNER (LRL LIVERMORE) ACTIVATION	13-AL-27 28-N1-58 28-N1-58 28-N1-58 29-CU-63	1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01	1 N,P 1 N,2N 1 N,N'P 1 N,P 1 N,2N
2051 EANDC(E)-57U PAGE 20 (1965) H.GENZ, M.BORMANN (HAMBURG) TRANSMISSION CORRECTED FOR SINGLE SCATTER	29-CU-NAT	4.10+00 6.22+00	42 TOTAL
2052 EANDC(E)-66U PAGE 29 (1966) K.KNOORR (GERMANY) CHOPPER	29-CU-NAT 68-ER-NAT	3.40-10 2.06-09 3.43-10 2.50-09	11 TOTAL 7 TOTAL
2053 NUOVO CIMENTO 13, 730 (1959) L.COLLI, U.FACCHINI, I.IORI, M.G.MARCAZZAN, A.M.SONA (MILAN) DETECTED CHARGED PARTICLES WITH SCINTILLATION AND PROPORTION- ED COUNTERS	29-CU-NAT 29-CU-65 42-MO-NAT 42-MO-92	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	1 N,N'P 1 N,N'P 1 N,N'P 1 N,N'P
2054 IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/80 (1966) K.DRITTLER (GEESTHACHT) TRANSMISSION OF COPPER SINGLE CRYSTALS	29-CU-NAT	1.49-06 2.82-03	1992 TOTAL
2055 PHYS. REV. 77, 748 (1950) R.K.ADAIR (U.WISC.) TRANSMISSION	29-CU-NAT 30-ZN-NAT 50-SN-NAT	3.40-02 1.40+00 2.11-01 1.02+00 3.20-02 1.40+00	18 TOTAL 11 TOTAL 18 TOTAL
2056 PHYS. REV. 98, 1359 (1955) T.COOR, D.A.HILL, W.F.HORNYAK, L.W.SMITH, G.A.SNOW (BNL) TRANSMISSION IN GOOD AND POOR GEOMETRY	1-H -1 4-BE-9 4-BE-9 6-C -NAT 6-C -NAT 13-AL-27 13-AL-27 29-CU-NAT 29-CU-NAT	1.40+03 1.40+03 1.40+03 1.40+03 1.40+03 1.40+03 1.40+03 1.40+03 1.40+03 1.40+03 1.40+03 1.40+03 1.40+03 1.40+03 1.40+03 1.40+03 1.40+03 1.40+03	1 TOTAL 1 TOTAL 1 NONELAS 1 TOTAL 1 NONELAS 1 TOTAL 1 NONELAS 1 TOTAL 1 TOTAL 1 NONELAS

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-301 ***

REF.NO.=2056

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2056

REF BIBLIOGRAPHY

2056

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
50-SN-NAT	1.40+03 1.40+03	1	TOTAL
50-SN-NAT	1.40+03 1.40+03	1	NONELAS
82-PB-NAT	1.40+03 1.40+03	1	TOTAL
82-PB-NAT	1.40+03 1.40+03	1	NONELAS
83-BI-209	1.40+03 1.40+03	1	TOTAL
83-BI-209	1.40+03 1.40+03	1	NONELAS
92-U -NAT	1.40+03 1.40+03	1	TOTAL
92-U -NAT	1.40+03 1.40+03	1	NONELAS

2057 PHYS. REV. 99, 611 (1955) H. PALEVSKY, D.J. HUGHES,
R.L. ZIMMERMAN (BNL)
SLOW CHOPPER. THERE IS ALSO PVT.COMM. (1954) PALEVSKY

4-BE-9	2.91-10 6.47-09	62	TOTAL
6-C -NAT	4.20-10 1.8-09	82	TOTAL
8-O -NAT	8.1-10 3.24-09	12	TOTAL
12-MG-NAT	3.97-10 2.27-09	61	TOTAL
13-AL-27	2.05-10 5.52-09	79	TOTAL
26-NI-NAT	6.21-10 5.52-09	35	TOTAL
29-CU-NAT	3.09-10 6.24-09	77	TOTAL
40-ZR-NAT	3.91-10 3.11-09	45	TOTAL
50-SN-NAT	3.27-09 1.20-08	10	TOTAL
50-SN-NAT	3.43-10 3.05-09	29	TOTAL
83-BI-209	1.73-10 4.08-09	105	TOTAL

2058 AEET-267 PAGE 59 (1966) A. CHATTERJEE, B. MITRA, A.M. GHOSH
(BOSE INST.)
ACTIVATION. POSITRON COINCIDENCE SPECTROMETER.
BARC-305 PAGE 30 (1967) A. CHATTERJEE, A. NATH, A.M. GHOSH
NUCLEAR PHYSICS SYMPOSIUM. KANPUR, PAGE 363 (1967)
DATA PARTIALLY SUPERCEDED. DATA OF
NUCLEAR PHYSICS SYMPOSIUM. BOMBAY, PAGE 36 (1966)
SUPERCEDED BY THOSE PRESENTED AT KANPUR.

9-F -19	1.48+01 1.48+01	1	N,2N
29-CU-63	1.48+01 1.48+01	1	N,2N
30-ZN-64	1.48+01 1.48+01	1	N,2N
31-GA-69	1.48+01 1.48+01	1	N,2N
47-AG-107	1.48+01 1.48+01	1	N,2N

2060 COMPT. REND. 259, 4620 (1964) J. LETESSIER, J. DALMAS
(BORDEAUX)
ACTIVATION

29-CU-63	1.41+01 1.41+01	1	N,2N
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2061 COMPT. REND. 261, 1266 (1965) G. GARDOLLE, J. CABE, M. LAURAT
(MONTROUGE)
ACTIVATION. NORMALIZED BY US TO 834 MB AT 16.75 MEV IN
ACCORDANCE WITH REFERENCE 1847

29-CU-63	1.65+01 1.77+01	48	N,2N
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2062 NUOVO CIMENTO 30, 1938 (1965) M. FAZIO, I. IORI, S. MICHELETTI,
N. MOLHO, M. PIGNANELLI (MILAN)
SOLID STATE COUNTER TELESCOPES DETECTED DEUTERONS

29-CU-63	1.40+01 1.40+01	12	N,D	D(A)
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2063 PHYS. REV. 130, 731 (1963) L.A. RAYBURN (ANL)
ACTIVATION

29-CU-63	1.20+01 1.95+01	18	N,2N
51-SB-121	1.20+01 1.94+01	13	N,2N

2064 ATOMNAYA ENERGIYA 17, 505 (1964) V.A. TOLSTIKOV, V.E. KOLESOV,
A.G. DOVBENKO, YU.YA. STAVISSKII (USSR)
ACTIVATION. NORMALIZED TO 44.9 MB AT 24 KEV

29-CU-65	3.30-03 2.10-01	29	N,D
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2065 CAN. J. PHYS. 44, 1183 (1966) D.C. SANTRY, J.P. BUTLER
(CHALK R.)

29-CU-65	1.01+01 2.02+01	28	N,2N
29-CU-65	1.35+01 1.98+01	7	N,N'A

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-302 ***

REF.NO.=2055

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2065

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PIS DESCRIPTION

2065 ACTIVATION. NORMALIZED TO VALUES OF 532(N,P) CROSS SECTION LISTED IN TEXT OF REFERENCE

29-CU-65 3.56+00 2.0L+01 43 N,P

2066 BULL. AM. PHYS. SOC. 12, 481 (1967) D.C.SANTRY, J.P.BUTLER (CHALK R.) ACTIVATION

30-ZN-64 1.49+00 1.98+01 63 N,P

2067 J. EXPTL. THEORET. PHYS. (USSR) 42, 988 (1962) YU.P.POPOV, F.L.SHAPIRO (LEBEDEV INST.) LEAD SLOWING DOWN SPECTROMETER

35-BR-NAT 1.20-05 4.40-02 87 N,G
 37-RB-NAT 1.28-04 4.20-02 53 N,G
 37-RB-85 1.58-04 1.75-02 39 N,G
 41-NB-93 1.55-05 5.60-02 83 N,G
 45-RH-103 3.55-07 3.40-02 95 N,G
 49-IN-NAT 1.10-06 5.40-02 137 N,G
 51-SB-NAT 1.25-06 3.40-02 101 N,G
 53-I -127 1.40-05 5.00-02 73 N,G
 55-CS-133 8.75-07 4.00-02 92 N,G
 77-IR-NAT 1.55-07 2.90-02 233 N,G

2068 J. EXPTL. THEORET. PHYS. (USSR) 45, 1294 (1963) D.SELIGER, N.I.IESCU, KIM HI SAN, D.LONGO, L.B.PIKEL'NER, E.I.SHARAPOV (JINR)
 TIME OF FLIGHT. DETECTED CAPTURE AND SCATTERING
 BNL-325 2ND ED. SUPPL. 2 (1965)
 FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCSC.
 NATURAL ELEMENT AND ENRICHED ISOTOPES. RESOLUTION OF ~ 80 NSEC/M.

35-BR-NAT 1.57-04 3.68-04 5 RES.PARAM.
 35-BR-79 0. 4.00-04 1 AV.RES.PARAM.
 35-BR-79 3.59-05 3.94-04 33 RES.PARAM.
 35-BR-81 1.01-04 2.04-04 15 RES.PARAM.

2069 PHYS. REV. 133, 378 (1964) S.A.COX (ANL) ACTIVATION

35-BR-79 1.60-01 1.48+00 17 N,G
 35-BR-79 1.60-01 1.50+00 18 N,G
 35-BR-81 1.65-01 1.50+00 17 N,G
 45-RH-103 1.46-01 1.65+00 21 N,G
 45-RH-103 1.40-01 1.65+00 21 N,G
 49-IN-115 1.50-01 1.40+00 14 N,G
 49-IN-115 1.50-01 1.40+00 13 N,G
 53-I -127 1.80-01 1.70+00 31 N,G
 73-TA-181 1.70-01 1.40+00 13 N,G
 73-TA-181 1.30-01 1.70+00 25 N,G

2070 J. INORG. NUCLEAR CHEM. 27, 903 (1965) J.F.EMERY (ORNL) ACTIVATION

35-BR-81 2.50-08 2.50-08 1 N,G SPECT.AV.
 35-BR-81 2.50-08 2.50-03 1 N,G SPECT.AV.
 35-BR-31 2.50-08 2.50-08 1 N,G SPECT.AV.
 35-BR-81 5.00-07 1.50+01 1 N,G RES.INT.
 35-BR-81 5.00-07 1.50+01 1 N,G RES.INT.
 35-BR-81 5.00-07 1.50+01 1 N,G RES.INT.

2071 NUCLEAR PHYS. 3, 166 (1962) R.E.SHAMU (U.WISC.) GAS SCINTILLATION COUNTER

36-KR-NAT 6.35+00 1.19+01 12 N,X-CP

2072 PHYS. REV. 116, 1516 (1959) D.P.MANN, W.W.WATSON, R.E.CHRISTEN, R.L.ZIMMERMAN, R.B.SCHWARTZ (BNL) FAST CHOPPER. RESOLUTION WAS 70 NSEC/M. AREA ANALYSIS.

36-KR-NAT 0. 6.40-04 1 AV.RES.PARAM.
 36-KR-NAT 6.40-04 6.40-04 1 RES.PARAM.
 36-KR-80 1.06-04 1.06-04 3 RES.PARAM.
 36-KR-82 3.98-05 3.98-05 2 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PIS DESCRIPTION

*** 3-303 ***

REF.NO.=2072

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2072	36-KR-83	2.79-05 2.33-04	5 RES. PARAM.
	36-KR-84	5.19-04 5.80-04	4 RES. PARAM.
	54-XE-NAT	0. 1.26-04	1 AV. RES. PARAM.
	54-XE-124	5.16-06 5.16-06	2 RES. PARAM.
	54-XE-129	9.47-06 1.26-04	6 RES. PARAM.
	54-XE-131	1.41-05 7.60-05	6 RES. PARAM.
2073 NUCLEAR SCIENCE AND ENGINEERING 21, 114 (1965) S.L. RUBY, R. ELLEFSON (ANL) ACTIVATION	36-KR-82	2.50-08 2.50-08	1 N.O. SPECT. AV.
2074 ACTA PHYSICA ACAD. SCI. HUNGARICAE 20, 193 (1966) I. ANGELI, I. HUNYADI (DEBRECEN) TRANSMISSION	37-RB-NAT	1.4+01 1.49+01	2 TOTAL
	55-CS-133	1.40+01 1.40+01	1 TOTAL
2075 NUCLEAR PHYS. 72, 298 (1965) N. ILIESCU, KIM HI SAN, L.B. PIKEL'NER, E.I. SHARAPOV, KH. SIRAZHET (JINR) TRANSMISSION, SCATTERING, CAPTURE MEASUREMENTS ALL MADE TO EXCLUDE SYSTEMATIC ERRORS. SEE ALSO REFERENCE 2077. NATURAL ELEMENT AND ENRICHED ISOTOPES. RESOLUTION VARIED FROM 40 - 80 NSEC/M.	37-RB-NAT	1.96-03 3.05-03	5 RES. PARAM.
	37-RB-85	0. 1.30-03	2 AV. RES. PARAM.
	37-RB-85	1.76-04 1.69-03	23 RES. PARAM.
	37-RB-87	2.67-04 3.78-04	6 RES. PARAM.
	41-NB-93	4.23-05 3.79-04	27 RES. PARAM.
2076 J. NUCLEAR ENERGY 23, 443 (1969) N.D. DUDEY, T.F. HEINRICH, A.A. MADSON (ANL) ACTIVATION METHOD. RELATIVE TO U235(N,F) AND AU-197(N,GAMMA) CROSS SECTIONS.	22-TI-50	1.40-01 1.64+00	27 N.O.
	23-V -51	1.39-01 1.65+00	30 N.O.
2077 J. EXPTL. THEORET. PHYS. (USSR) 49, 410 (1965) KIM HI SAN, L.B. PIKEL'NER, KH. SIRAZHET, E.I. SHARAPOV (JINR) PULSED REACTOR WITH TIME OF FLIGHT. SEE ALSO REFERENCE 2075. ENRICHED ISOTOPES. RESOLUTION VARIED FROM 40 - 80 NSEC/M.	30-ZN-64	2.88-04 2.88-04	4 RES. PARAM.
	30-ZN-66	3.28-04 3.28-04	4 RES. PARAM.
	30-ZN-67	2.26-04 4.56-04	7 RES. PARAM.
	30-ZN-68	5.30-04 5.30-04	5 RES. PARAM.
	42-MO-95	4.51-05 1.61-04	5 RES. PARAM.
	42-MO-96	1.37-04 1.32-04	5 RES. PARAM.
	42-MO-97	7.16-05 7.16-05	3 RES. PARAM.
	42-MO-98	1.21-05 1.21-05	4 RES. PARAM.
2078 PROC. WORKING CONF. ON SLOW NEUTRON PHYSICS. DUBNA (1961) NOTE. IN LIEU OF THIS TITLE, SEE AEC-TR-5734 (1961)			
2079 PHYS. REV. C, 3, 2447 (1971) J.B. GARG, L.J. RAINWATER, W.W. HAVENS, JR. (COLUMBIA U.) ANALYSIS OF CROSS SECTION DATA PRESENTED IN REF. 814. TIME OF FLIGHT TECHNIQUE. RESOLUTION OF 0.5 NSEC/M. MULTILEVEL ANALYSIS. SEE ALSO REF. 814.	22-TI-46	4.89-02 1.79-01	2 AV. RES. PARAM.
	22-TI-46	4.89-02 1.79-01	9 RES. PARAM.
	22-TI-47	3.07-03 4.21-02	1 AV. RES. PARAM.
	22-TI-47	3.07-03 4.21-02	8 RES. PARAM.
	22-TI-48	1.76-02 1.91-01	2 AV. RES. PARAM.
	22-TI-48	1.76-02 1.91-01	12 RES. PARAM.
	22-TI-49	3.83-03 3.23-02	1 AV. RES. PARAM.
	22-TI-49	3.83-03 3.23-02	4 RES. PARAM.
	22-TI-50	9.01-02 1.85-01	3 RES. PARAM.
	26-FE-54	0. 1.72-01	1 AV. RES. PARAM.
	26-FE-54	7.75-03 1.72-01	10 RES. PARAM.
	26-FE-56	0. 1.87-01	1 AV. RES. PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-304 ***

REF. NO. #2079

07/04/76

EC5(L)-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2079

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2079	26-FE-56	2.76-02 1.87-01	8 RES.PARAM.
	26-FE-57	6.28-03 6.28-03	1 RES.PARAM.
	28-NI-58	0. 2.07-01	2 AV.RES.PARAM.
	28-NI-58	-2.85-02 2.07-01	12 RES.PARAM.
	28-NI-58	0. 1.95-01	2 AV.RES.PARAM.
	28-NI-58	1.24-02 1.95-01	12 RES.PARAM.
	28-NI-58	0. 1.48-01	2 AV.RES.PARAM.
	28-NI-58	4.54-03 1.48-01	5 RES.PARAM.
2080	NUCLEAR DATA FOR REACTORS. IAEA VIENNA, VOLS. I AND II (1967) NOTE... IN LIEU OF THIS TITLE, SEE IAEA CONF. ON NUCLEAR DATA. PARIS (1966)		
2081	BULL. AM. PHYS. SOC. 13, 1665 (1968) J.H.MC NALLY, K.WOLFSBERG, B.J.DROPSKY, J.W.BARNES (LASL) TIME OF FLIGHT TECHNIQUE FROM THE POMMARD NUCLEAR EXPLOSION	92-U -237 5.50-04 5.50-04	1 N.FISS SPECT.AV.
2082	WASH-1127 PAGE 179 (1969) S.WEINSTEIN, R.C.BLOCK (RP1) PHYS. REV. LETTERS 22, 195 (1969) COINCIDENCE BETWEEN IONIZATION CHAMBER AND SCINTILLATION TANK TO MEASURE ν , THE AVERAGE FISSION NEUTRON MULTIPLICITY. THE HIGHER VALUES WERE ASSIGNED TO THE J=0 STATE AND THE LOWER VALUES TO THE J=1 STATE BULL. AM. PHYS. SOC. 13, 1408 (1968)	94-PU-239 2.98-07 9.00-05	18 RES.PARAM.
2083	YAD. FIZ. 6, 765 (1967) P.E.VOROTNIKOV (USSR) ANALYSIS UP TO 30 EV OF CROSS SECTION DATA FROM REFERENCE 1292	92-U -235 2.00-07 3.00-05	3 AV.RES.PARAM.
2084	NUKLEONIK 11, 61 (1968) G.LUNDGREN (SWEDEN) FAST CHOPPER. RELATIVE TO CU. SINGLE LEVEL ANALYSIS, ASSUMING GAMMA-GAMMA OF 0.024 EV. RESOLUTION WAS 21 PERCENT AT 3.42 EV	90-TH-232 9.80-08 3.40-06 90-TH-232 -5.10-06 5.10-06	47 N.G 1 RES.PARAM.
2085	CEA-P-3503 (1968) J.VOIGNIER (FRANCE) TIME OF FLIGHT METHOD	92-U -238 1.41+01 1.41+01 92-U -238 1.41+01 1.41+01 92-U -238 1.41+01 1.41+01 92-U -238 1.41+01 1.41+01 92-U -238 1.41+01 1.41+01 92-U -238 1.41+01 1.41+01	1 TOTAL 1 ELASTIC 1 N.N'EMS 1 ETA 15 ELASTIC D(A) 2 NUCLEAR TEMP.
2086	PRIVATE COMMUNICATION (1968) H.M.EILAND, L.J.ESCH, F.FEINER, C.A.CONRAD (KAPL) IRRADIATION MEASUREMENT. CORRECTED TO A 1/C FLUX	92-U -233 5.00-07 1.50+01 92-U -233 5.00-07 1.50+01 92-U -233 5.00-07 1.50+01 92-U -235 5.00-07 1.50+01 92-U -235 5.00-07 1.50+01 92-U -235 5.00-07 1.50+01 92-U -235 5.00-07 1.50+01 94-PU-239 3.00-06 1.50+01 94-PU-239 3.00-06 1.50+01 94-PU-239 3.00-06 1.50+01 94-PU-241 3.00-06 1.50+01 94-PU-241 3.00-06 1.50+01	3 N.FISS RES.INT. 3 N.G RES.INT. 2 ALPHA RES.INT. 3 N.FISS RES.INT. 3 N.G RES.INT. 3 ALPHA RES.INT. 1 N.FISS RES.INT. 1 N.G RES.INT. 1 ALPHA RES.INT. 1 N.FISS RES.INT. 1 N.G RES.INT. 1 ALPHA RES.INT.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-305 ***

REF.NO.=2086

REF. NO. -2087

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1	0.000-0.005	1	0.000-0.005
2	0.005-0.010	1	0.005-0.010
3	0.010-0.015	1	0.010-0.015
4	0.015-0.020	1	0.015-0.020
5	0.020-0.025	1	0.020-0.025
6	0.025-0.030	1	0.025-0.030
7	0.030-0.035	1	0.030-0.035
8	0.035-0.040	1	0.035-0.040
9	0.040-0.045	1	0.040-0.045
10	0.045-0.050	1	0.045-0.050
11	0.050-0.055	1	0.050-0.055
12	0.055-0.060	1	0.055-0.060
13	0.060-0.065	1	0.060-0.065
14	0.065-0.070	1	0.065-0.070
15	0.070-0.075	1	0.070-0.075
16	0.075-0.080	1	0.075-0.080
17	0.080-0.085	1	0.080-0.085
18	0.085-0.090	1	0.085-0.090
19	0.090-0.095	1	0.090-0.095
20	0.095-0.100	1	0.095-0.100
21	0.100-0.105	1	0.100-0.105
22	0.105-0.110	1	0.105-0.110
23	0.110-0.115	1	0.110-0.115
24	0.115-0.120	1	0.115-0.120
25	0.120-0.125	1	0.120-0.125
26	0.125-0.130	1	0.125-0.130
27	0.130-0.135	1	0.130-0.135
28	0.135-0.140	1	0.135-0.140
29	0.140-0.145	1	0.140-0.145
30	0.145-0.150	1	0.145-0.150
31	0.150-0.155	1	0.150-0.155
32	0.155-0.160	1	0.155-0.160
33	0.160-0.165	1	0.160-0.165
34	0.165-0.170	1	0.165-0.170
35	0.170-0.175	1	0.170-0.175
36	0.175-0.180	1	0.175-0.180
37	0.180-0.185	1	0.180-0.185
38	0.185-0.190	1	0.185-0.190
39	0.190-0.195	1	0.190-0.195
40	0.195-0.200	1	0.195-0.200
41	0.200-0.205	1	0.200-0.205
42	0.205-0.210	1	0.205-0.210
43	0.210-0.215	1	0.210-0.215
44	0.215-0.220	1	0.215-0.220
45	0.220-0.225	1	0.220-0.225
46	0.225-0.230	1	0.225-0.230
47	0.230-0.235	1	0.230-0.235
48	0.235-0.240	1	0.235-0.240
49	0.240-0.245	1	0.240-0.245
50	0.245-0.250	1	0.245-0.250
51	0.250-0.255	1	0.250-0.255
52	0.255-0.260	1	0.255-0.260
53	0.260-0.265	1	0.260-0.265
54	0.265-0.270	1	0.265-0.270
55	0.270-0.275	1	0.270-0.275
56	0.275-0.280	1	0.275-0.280
57	0.280-0.285	1	0.280-0.285
58	0.285-0.290	1	0.285-0.290
59	0.290-0.295	1	0.290-0.295
60	0.295-0.300	1	0.295-0.300
61	0.300-0.305	1	0.300-0.305
62	0.305-0.310	1	0.305-0.310
63	0.310-0.315	1	0.310-0.315
64	0.315-0.320	1	0.315-0.320
65	0.320-0.325	1	0.320-0.325
66	0.325-0.330	1	0.325-0.330
67	0.330-0.335	1	0.330-0.335
68	0.335-0.340	1	0.335-0.340
69	0.340-0.345	1	0.340-0.345
70	0.345-0.350	1	0.345-0.350
71	0.350-0.355	1	0.350-0.355
72	0.355-0.360	1	0.355-0.360
73	0.36		

92-U -234 5.19-06 1.33-02 51 RES.PARAM.

92-U -242	2.00-02	2.00-02	1 N,0	SPECT. AV.
92-U -243	2.00-02	2.00-02	1 N,0	SPECT. AV.
92-U -244	2.00-02	2.00-02	1 N,0	SPECT. AV.
92-U -245	2.00-02	2.00-02	1 N,0	SPECT. AV.
92-U -246	2.00-02	2.00-02	1 N,0	SPECT. AV.
92-U -247	2.00-02	2.00-02	1 N,0	SPECT. AV.
92-U -248	2.00-02	2.00-02	1 N,0	SPECT. AV.
92-U -249	2.00-02	2.00-02	3 ALPHA	SPECT. AV.
94-PU-243	2.00-02	2.00-02	1 N,F155	SPECT. AV.
94-PU-243	2.00-02	2.00-02	1 N,0	SPECT. AV.
94-PU-245	2.00-02	2.00-02	1 N,F155	SPECT. AV.
94-PU-245	2.00-02	2.00-02	1 N,0	SPECT. AV.
94-PU-247	2.00-02	2.00-02	1 N,F155	SPECT. AV.
94-PU-247	2.00-02	2.00-02	1 N,0	SPECT. AV.
94-PU-249	2.00-02	2.00-02	1 N,0	SPECT. AV.
94-PU-251	2.00-02	2.00-02	1 N,F155	SPECT. AV.
94-PU-251	2.00-02	2.00-02	1 N,0	SPECT. AV.

94-PU-239	2.50-01	1.00+00	8 N,N'
94-PU-239	1.49-01	9.84-01	72 SCATTER D(A)
94-PU-239	1.30+00	1.56+00	22 SCATTER D(A)
94-PU-239	2.45-01	1.33+00	39 N,N' D(A)
94-PU-239	6.68-01	1.33+00	6 N,N' D(A)
94-PU-239	1.50-01	1.50+00	2 NUCLEAR TEMP.

50-SN-116	1.00-03	1.00-01	3	AV. RES. PARAM.
50-SN-117	1.00-03	1.00-01	3	AV. RES. PARAM.
50-SN-118	1.00-03	1.00-01	3	AV. RES. PARAM.
50-SN-119	1.00-03	1.00-01	3	AV. RES. PARAM.
50-SN-120	1.00-03	1.00-01	3	AV. RES. PARAM.
50-SN-122	1.00-03	1.00-01	3	AV. RES. PARAM.
67-HO-165	1.00-03	1.00-01	1	AV. RES. PARAM.
79-AU-197	1.00-03	1.00-01	1	AV. RES. PARAM.
90-TH-232	1.00-03	1.00-01	1	AV. RES. PARAM.
92-U-238	1.00-03	1.00-01	1	AV. RES. PARAM.

95-CM-244 -6.86+00-6.86+00 1 NU-PRMT

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92-U -235 7.00+00 8.00+00 2 N.2N
92-U -235 7.00+00 8.00+00 2 NU-PRMT
92-U -238 1.41+01 1.41+01 1 N.2N

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TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1	0.000-0.005	100	100% 0.000-0.005
2	0.005-0.010	100	100% 0.005-0.010
3	0.010-0.015	100	100% 0.010-0.015
4	0.015-0.020	100	100% 0.015-0.020
5	0.020-0.025	100	100% 0.020-0.025
6	0.025-0.030	100	100% 0.025-0.030
7	0.030-0.035	100	100% 0.030-0.035
8	0.035-0.040	100	100% 0.035-0.040
9	0.040-0.045	100	100% 0.040-0.045
10	0.045-0.050	100	100% 0.045-0.050
11	0.050-0.055	100	100% 0.050-0.055
12	0.055-0.060	100	100% 0.055-0.060
13	0.060-0.065	100	100% 0.060-0.065
14	0.065-0.070	100	100% 0.065-0.070
15	0.070-0.075	100	100% 0.070-0.075
16	0.075-0.080	100	100% 0.075-0.080
17	0.080-0.085	100	100% 0.080-0.085
18	0.085-0.090	100	100% 0.085-0.090
19	0.090-0.095	100	100% 0.090-0.095
20	0.095-0.100	100	100% 0.095-0.100
21	0.100-0.105	100	100% 0.100-0.105
22	0.105-0.110	100	100% 0.105-0.110
23	0.110-0.115	100	100% 0.110-0.115
24	0.115-0.120	100	100% 0.115-0.120
25	0.120-0.125	100	100% 0.120-0.125
26	0.125-0.130	100	100% 0.125-0.130
27	0.130-0.135	100	100% 0.130-0.135
28	0.135-0.140	100	100% 0.135-0.140
29	0.140-0.145	100	100% 0.140-0.145
30	0.145-0.150	100	100% 0.145-0.150
31	0.150-0.155	100	100% 0.150-0.155
32	0.155-0.160	100	100% 0.155-0.160
33	0.160-0.165	100	100% 0.160-0.165
34	0.165-0.170	100	100% 0.165-0.170
35	0.170-0.175	100	100% 0.170-0.175
36	0.175-0.180	100	100% 0.175-0.180
37	0.180-0.185	100	100% 0.180-0.185
38	0.185-0.190	100	100% 0.185-0.190
39	0.190-0.195	100	100% 0.190-0.195
40	0.195-0.200	100	100% 0.195-0.200
41	0.200-0.205	100	100% 0.200-0.205
42	0.205-0.210	100	100% 0.205-0.210
43	0.210-0.215	100	100% 0.210-0.215
44	0.215-0.220	100	100% 0.215-0.220
45	0.220-0.225	100	100% 0.220-0.225
46	0.225-0.230	100	100% 0.225-0.230
47	0.230-0.235	100	100% 0.230-0.235
48	0.235-0.240	100	100% 0.235-0.240
49	0.240-0.245	100	100% 0.240-0.245
50	0.245-0.250	100	100% 0.245-0.250
51	0.250-0.255	100	100% 0.250-0.255
52	0.255-0.260	100	100% 0.255-0.260
53	0.260-0.265	100	100% 0.260-0.265
54	0.265-0.270	100	100% 0.265-0.270
55	0.270-0.275	100	100% 0.270-0.275
56	0.275-0.280	100	100% 0.275-0.280
57	0.280-0.285	100	100% 0.280-0.285
58	0.285-0.290	100	100% 0.285-0.290
59	0.290-0.295	100	100% 0.290-0.295
60	0.295-0.300	100	100% 0.295-0.300
61	0.300-0.305	100	100% 0.300-0.305
62	0.305-0.310	100	100% 0.305-0.310
63	0.310-0.315	100	100% 0.310-0.315
64	0.315-0.320	100	100% 0.315-0.320
65	0.32		

REF. NO. -2092

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2092

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2092	92-U -238	7.00+00 8.00+00	2	N.2N
	92-U -238	1.41+01 1.41+01	1	N.3N
	92-U -238	7.00+00 8.00+00	2	NU-PRMT
	94-PU-239	8.00+00 8.00+00	1	NU-PRMT
2093 NUCLEAR PHYS. 166, 443 (1971) B.ZEITNITZ, H.DUBENKROPP, R.PUTZKI, G.U.KIROVAC, S.CIERJACKS, J.NEBE, C.B.DÖVER (KARLSRUHE) TIME OF FLIGHT TECHNIQUE. ENERGY RESOLUTION VARIED FROM 0.93 KEV AT 800 KEV, TO 240 KEV AT 32 MEV. MULTILEVEL R-MATRIX UP TO 4.5 KEV AND PHASE-SHIFT ANALYSIS NUCLEAR PHYS. 166, 461 (1971)	7-N -15	9.21-01 1.21+01	69	RES.PARAM.
2094 BULL. AM. PHYS. SOC. 15, 549 (1970) S.F.MUGHABGHAB, R.E.CHRIEN, D.A.WASSON (BNL) FAST CHOPPER. OBSERVATION OF PRIMARY GAMMA RAY TRANSITIONS.	66-DY-163	1.62-05 2.62-04	16	RES.PARAM.
2095 TRANS. AM. NUCLEAR SOC. 11, 298 (1968) O.D.SIMPSON, L.G.MILLER (IDAHO NUCLEAR) SCANDIUM FILTER WASH-1093 PAGE 61 (1968)	92-U -233	2.00-03 2.00-03	1	N.FISS
	94-PU-241	2.00-03 2.00-03	1	N.FISS
	94-PL-241	2.00-03 2.00-03	1	N.FISS
2096 WASH-1127 PAGE 72 (1969) R.P.SCHUMAN (IDAHO NUCLEAR) MTR SCANDIUM FILTER. RELATIVE TO AU 197 CAPTURE CROSS SECTION OF 4.8 BARNS WASH-1124 PAGE 66 (1968)	90-TH-232	2.00-03 2.00-03	1	N.G
	92-U -235	2.00-03 2.00-03	1	N.FISS
	92-U -238	2.00-03 2.00-03	1	N.G
2097 IN-1407 PAGE 66 (1970) J.R.BERRETH, F.B.SIMPSON (IDAHO NUCLEAR) TIME OF FLIGHT TECHNIQUE. MTR FAST CHOPPER. SHAPE FIT BELOW 6 EV. GAMMA-GAMMA ASSUMED TO BE EQUAL TO 0.042 EV WHEN NOT GIVEN.	95-AM-243	8.04-09 2.56-05	922	TOTAL
	95-AM-243	-2.00-06 2.45-05	44	RES.PARAM.
2098 IN-1296 (1969) R.P.SCHUMAN, J.R.BERRETH (IDAHO NUCLEAR) REACTOR ACTIVATION. RELATIVE TO AU-197 R ₁ = 1558 BARNS WASH-1135 PAGE 53 (1968) WASH-1135 PAGE 54 (1968) WASH-1124 PAGE 72 (1968) IN-1126 PAGE 19 (1967)	25-MN-55	2.50-08 2.50-08	1	N.G SPECT.AV.
	25-MN-55	5.00-07 1.50+01	1	N.G RES.INT.
	27-CO-59	2.50-08 2.50-08	1	N.G SPECT.AV.
	27-CC-59	5.00-07 1.50+01	1	N.G RES.INT.
	41-NB-93	2.50-08 2.50-08	1	N.G SPECT.AV.
	41-NB-93	5.00-07 1.50+01	1	N.G RES.INT.
	41-NB-94	2.50-08 2.50-08	1	N.G SPECT.AV.
	41-NB-94	5.00-07 1.50+01	1	N.G RES.INT.
	73-TA-181	5.00-07 1.50+01	1	N.G RES.INT.
	73-TA-182	2.50-08 2.50-08	1	N.G SPECT.AV.
	92-U -236	2.50-08 2.50-08	1	N.G SPECT.AV.
	92-U -236	5.00-07 1.50+01	1	N.G RES.INT.
	93-NP-237	2.50-08 2.50-08	1	N.G SPECT.AV.
	93-NP-237	5.00-07 1.50+01	1	N.G RES.INT.
	95-AM-241	5.00-07 1.50+01	1	N.G RES.INT.
	95-AM-241	5.00-07 1.50+01	1	N.G RES.INT.
	95-AM-242	5.00-07 1.50+01	1	ABSORP RES.INT.
	95-AM-243	2.50-08 2.50-08	1	N.G SPECT.AV.
	95-AM-243	5.00-07 1.50+01	1	N.G RES.INT.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-307 ***

REF.NO.=2098

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2098

REF BIBLIOGRAPHY

2098

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
95-AM-243	5.00-07 1.50+01	1 N,G	RES.INT.
96-CM-242	5.00-07 1.50+01	1 N,G	RES.INT.
96-CM-244	5.00-07 1.50+01	1 N,G	RES.INT.
96-CM-245	5.00-07 1.50+01	1 ABSORP	RES.INT.
96-CM-246	5.00-07 1.50+01	1 N,G	RES.INT.

2099 BULL. AM. PHYS. SOC. 13, 1409 (1968) J.A.FARRELL (LASL)
POMMARD NUCLEAR EXPLOSION. MULTILEVEL 2 FISSION CHANNEL
ANALYSIS

92-U -232	6.50-05 1.65-04	3 AV.	RES.PARAM.
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2100 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 1,597 (1968)
P.G.KOONTZ, D.M.BARTON (LASL)
RELATIVE TO U235, VAN DE GRAAFF ACCELERATOR
WASH-1093 PAGE 91 (1968)
TRANS. AM. NUCLEAR SOC. 12, 281 (1969)

96-CM-244	1.49+01 1.49+01	1 N,FISS	
96-CM-244	1.0+00 3.00+00	3 N,FISS	

2101 WASH-1124 PAGE 110 (1968) D.W.BARR (LASL)
REACTOR IRRADIATIONS. WE HAVE ASSIGNED AVERAGE NEUTRON
ENERGIES OF .5 AND .25 MEV FOR THE FLATTOP CENTER AND REFLEC-
TOR POSITION, RESPECTIVELY

92-U -237	2.50 01 5.00-01	2 N,FISS	SPECT.AV.
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2102 NUCLEAR SCIENCE AND ENGINEERING 37, 228 (1969) J.HALPERIN,
C.E.BEMIS,JR., R.E.ORSCHER, J.R.STOKELY (ORNL)
ACTIVATION TECHNIQUES. RELATIVE TO CO CROSS SECTION (2200) =
37.0 BARNS AND RI = 75 BARNS
WASH-1124 PAGE 145 (1968)
NUCLEAR SCIENCE AND ENGINEERING 41, 146 (1970)

98-CF-252	2.53-08 2.53-08	1 N,G	
98-CF-252	5.40-07 1.50+01	1 N,G	RES.INT.
98-CF-253	5.40-07 5.40-07	1 N,FISS	SPECT.AV.
98-CF-253	5.40-07 5.40-07	1 N,G	SPECT.AV.

2103 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 2,1279(1968)
R.L.FOLGER, J.A.SMITH, L.C.BROWN, R.F.OVERMAN, H.P.HOLCOMB
(SAVANNAH R.)
ACTIVATION ANALYSIS. 2200 M/SEC CROSS SECTIONS OBTAINED BY
ASSUMING 1/V BEHAVIOR. CD CUTOFF ENERGY TAKEN AS 0.62 EV IF
NOT GIVEN

94-PU-242	2.53-08 2.53-08	1 ABSORP	
94-PU-242	9.20-07 1.00+01	1 ABSORP	RES.INT.
95-AM-243	2.53-08 2.53-08	1 ABSORP	
95-AM-243	8.30-07 1.00+01	1 ABSORP	RES.INT.
96-CM-244	2.53-08 2.53-08	1 ABSORP	
96-CM-244	2.53-08 2.53-08	1 ALPHA	
96-CM-244	8.30-07 1.00+01	1 ABSORP	RES.INT.
96-CM-245	2.53-08 2.53-08	1 ALPHA	
96-CM-245	6.20-07 1.00+01	1 ABSORP	RES.INT.
96-CM-245	6.20-07 1.00+01	1 ALPHA	RES.INT.
96-CM-246	2.53-08 2.53-08	1 ABSORP	
96-CM-246	6.20-07 1.00+01	1 ABSORP	RES.INT.
97-BK-249	2.53-08 2.53-08	1 ABSORP	
97-BK-249	5.50-07 1.00+01	1 ABSORP	RES.INT.
98-CF-250	2.53-08 2.53-08	1 ABSORP	
98-CF-250	6.20-07 1.00+01	1 ABSORP	RES.INT.
98-CF-251	2.53-08 2.53-08	1 ABSORP	
98-CF-251	2.53-08 2.53-08	1 ALPHA	
98-CF-251	6.20-07 1.00+01	1 ABSORP	RES.INT.
98-CF-252	2.53-08 2.53-08	1 ABSORP	
98-CF-252	9.20-07 1.00+01	1 ABSORP	RES.INT.
99-ES-253	2.53-08 2.53-08	1 ABSORP	
99-ES-253	5.50-07 1.00+01	1 ABSORP	RES.INT.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-308 ***

REF.NO.=2103

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2104

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2104 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 2,1285(1968) J.A.SMITH, C.J.BANICK, R.L.FOLGER, H.P.HOLCOMB, I.B.RICHTER (SAVANNAH R.) ACTIVATION ANALYSIS	95-AM-243	2.53-08 2.53-08	1	ABSORP
	95-CM-244	2.53-08 2.53-08	1	ABSORP
	95-CM-245	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	95-CM-245	2.50-08 2.50-08	1	N,FISS SPECT.AV.
	95-CM-247	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	95-CM-247	2.50-08 2.50-08	1	N,FISS SPECT.AV.
	95-CM-248	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	95-CF-250	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	95-CF-251	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	95-CF-253	2.50-08 2.50-08	1	ABSORP SPECT.AV.
2105 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 1,491 (1968) A.J.DERUYTER, J.SPAEFEN, P.PELFER (BELGIUM) SLOW CHOPPER	92-U -235	2.53-08 2.53-08	1	N,FISS
2106 NUCLEAR SCIENCE AND ENGINEERING 40, 306 (1970) R.GWIN, L.W.WESTON, G.DE SAUSSURE, R.W.INGLE, R.W.HOCKENBURY, R.C.BLOCK (RPI) LINAC, 90TH FISSION CHAMBERS AND METAL FOILS USED. GAMMAS DETECTED BY LARGE LIQUID SCINTILLATOR ORNL-4433 PAGE 1 (1969) RPI-328-142 PAGE 29 (1968) WASH-1124 PAGE 141 (1968) ORNL, NEUTRON PHYS. DIV. ANNUAL PROGRESS REPORT, MAY 15 (1968) TRANS. AM. NUCLEAR SOC. 12, 260 (1969) ORNL-TM-2598 (1969) R.GWIN, L.W.WESTON, G.DE SAUSSURE, R.W.INGLE, J.H.TODD, F.E.GILLESPIE, R.W.HOCKENBURY, R.C.BLOCK ORNL-4707 (1971) RECENT PU-239 CAPTURE AND FISSION CROSS SECTIONS ABOVE 2 EV ARE GIVEN IN NUCLEAR SCIENCE AND ENGINEERING 45, 25 (1971) DATA BELOW 2 EV WERE NOT USED BECAUSE OF ENERGY ROUND-OFF ERRORS, WHICH ARE BEING CORRECTED	94-PU-239	1.91-08 1.99-06	702	N,FISS
	94-PU-239	2.00-06 1.97-03	2933	N,FISS
	94-PU-239	1.91-08 1.98-06	695	N,G
	94-PU-239	2.00-06 1.97-03	2649	N,G
	94-PU-239	1.50-04 2.50-02	40	N,FISS SPECT.AV.
	94-PU-239	3.00-07 2.50-02	58	ALPHA SPECT.AV.
	94-PU-239	7.85-08 4.44-05	11	RES.PARAM.
2107 AERE-PR/NP-14 PAGE 15 (1968) M.G.SCHOMBERG, M.G.SOWERBY, F.W.EVANS (AERE) AERE-PR/NP-13 PAGE 1 (1968) FAST REACTOR PHYSICS, KARLSRUHE, 1, 288 (1967) LIQUID SCINTILLATOR MEASURING GAMMA RAY AND FAST NEUTRON YIELDS, DATA RECEIVED VIA PRIVATE COMMUNICATION, E.RAE, 11 DEC 1968. THE DATA PRESENTED FOR ALPHA IS THE RATIO OF THE AVERAGE CAPTURE CROSS SECTION TO THE AVERAGE FISSION CROSS SECTION	94-PU-239	3.50-04 2.75-02	20	ALPHA SPECT.AV.
2109 WAPD-TM-B37 (1970) J.C.CONNOR (BETTS) IRRADIATION MEASUREMENT IN THE MTR, ASSUMED 1/V. SEE ALSO NUCLEAR SCIENCE AND ENGINEERING 29, 408 (1967) J.C.CONNOR, R.T.BAYARD, O.MACDONALD, S.B.GUNST WAPD-TM-612 (1967) TRANS. AM. NUCLEAR SOC. 11, 605 (1968)	91-PA-233	2.53-08 2.53-08	1	N,G
	91-PA-233	2.96-08 2.96-08	1	N,G SPECT.AV.
	91-PA-233	5.00-07 1.50+01	1	N,G RES.INT.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-309 ***

REF.NO.=2109

07/04/75

ECSIL-7500 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2111

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2111 INDC-232 PAGE 52 (1967) YU.A.BABENKO, YU.A.NEMILOV, YU.A.SELITSKII, V.B.FUNSHTEIN (USSR) D-D NEUTRON SOURCE. IONIZATION CHAMBER. YAD. FIZ. 7, 269 (1968)	88-RA-226	3.00+00 1.49+01	18 N.FISS
2112 EURO NUCLEAR 2, 183 (1965) YU.V.ADAMCHUK, L.S.DANELYAN, S.S.MOSKALEV, G.V.MURADYAN, YU.G.SHCHEPKIN (USSR) TIME OF FLIGHT METHOD. AREA ANALYSIS. ENRICHED ISOTOPES	38-SR-84 38-SR-86 38-SR-87 38-SR-88	3.64-04 3.35-03 5.90-04 1.88-02 3.56-06 3.70-03 2.78-03 2.38-02	11 RES.PARAM. 10 RES.PARAM. 25 RES.PARAM. 4 RES.PARAM.
2113 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 2,755 (1968) D.L.BERNARD, G.H.LENZ, J.D.REBER (U.VIRGINIA) TIME OF FLIGHT SPECTROMETER. NORMALIZED TO THE N,P CROSS SECTION AT 40 DEGREES IN THE LAB SYSTEM DATA CORRECTED FOR MULTIPLE SCATTERING, ETC.	57-LA-NAT 59-PR-141	8.00+00 8.00+00 8.00+00 8.00+00	18 SCATTER D(1A) 19 SCATTER D(1A)
2114 J. PHYSIQUE 24, 994 (1962) G.BIANCHI, J.COLMIN, C.CORGE, V-D.HUYNH, J.JULIEN, J.MORGENSTERN, F.NETTER, M.VESTEL (SACLAY) TRANSMISSION MEASUREMENT. SHAPE ANALYSIS. SEE ALSO REF.2119. RESOLUTION WAS 0.5 NSEC/M.	39-Y -89	6.80-04 7.68-02	40 RES.PARAM.
2115 ACTA CRYST. 19, 679 (1965) M.G.PATON, E.N.MASLEN (AUSTRALIA) CROSS SECTION CALCULATED FROM SCATTERING AMPLITUDE	39-Y -89	2.50-08 2.10-08	1 COHERT SPECT.AV.
2116 BULL. AM. PHYS. SOC. 6, 506 (1961) O.H.HUDSON, JR., I.L.MORGAN (TEXAS NUCLEAR) ACTIVATION ANALYSIS	39-Y -89 70-YB-168	1.60+01 1.60+01 2.50-08 2.50-08	1 N,2N 1 N,0 SPECT.AV.
2117 NUCLEAR PHYS. 94, 157 (1967) H.A.GRENCH, K.L.COOP, H.O.MENLOVE, F.J.VAUGHN (LOCKHEED.PALO ALTO) ACTIVATION ANALYSIS	39-Y -89 39-Y -89	1.43-01 1.22+00 4.51-03 1.46+01	12 N,0 26 N,0
2118 PRIVATE COMMUNICATION (1965) B.M.RUSTAD (COLUMBIA U.) DATA OBTAINED FROM NNCSC. CRYSTAL SPECTROMETER	39-Y -89 39-Y -89 39-Y -89 39-Y -89 39-Y -89 39-Y -89	6.24-10 8.24-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	10 TOTAL 1 N,0 1 BOUND 1 FREE 1 COHERT 1 INCOHER
2119 PHYS. LETTERS 3, 67 (1962) J.JULIEN, C.CORGE, V-D.HUYNH, J.MORGENSTERN, F.NETTER (SACLAY) TIME OF FLIGHT. SHAPE ANALYSIS SEE ALSO REFERENCES 881, 2114 AND 2604	34-SE-77 78-PT-195 78-PT-195 80-HG-201	1.12-04 1.48-03 0. 3.20-04 6.69-05 3.08-04 2.10-04 2.10-04	46 RES.PARAM. 2 AV.RES.PARAM. 60 RES.PARAM. 4 RES.PARAM.
2120 PHYS. REV. 139, 1525 (1965) K.G.BROADHEAD, D.E.SHANKS, H.H.HEADY (U.S.RU-MINES.RENO) ACTIVATION ANALYSIS	39-Y -89 60-ND-142 62-SM-144 65-TB-159 68-ER-168	1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01	1 N,N' 1 N,2N 1 N,2N 1 N,2N 1 N,2N
2121 PRIVATE COMMUNICATION (1967) J.F.WHALEN (ANL)	39-Y -89	1.00-01 6.48-01	542 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-310 ***

REF.NO.=2121

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2121

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

- 2121 CROSS SECTIONS OBTAINED FROM NNCS. NO METHOD GIVEN
- 2122 PHYS. REV. 99, 331 (1955) F.L.RIBE, R.W.DAVIS (LASL)
ALPHA PARTICLE DETECTION BY MEANS OF A COUNTER TELESCOPE 40-ZR-NAT 1.41+01 1.41+01 1 N.A E1-E2,A1-A2
- 2123 BULL. AM. PHYS. SOC. 8, 556 (1963) H.KIM, J.A.BIGGERSTAFF,
H.M.GOOD (ORNL)
PULSED VAN DE GRAAFF, ENRICHED ISOTOPES. 1 - 2 PERCENT
RESOLUTION. 24-CR-53 1.93-02 3.90-02 6 RES.PARAM.
ORNL-3425 PAGE 32 (1963)
- 2124 PHYS. REV. 98, 1172 (1955) E.C.CAMPBELL, R.W.PEELLE,
F.C.MAIENSCHN, P.H.STELSON (ORNL)
GAMMA COUNTING 40-ZR-90 2.0+00 4.25+00 58 N.N'
- 2125 PRIVATE COMMUNICATION (1967) D.VESELIC
DATA OBTAINED FROM NNCS. NO METHOD GIVEN 40-ZR-90 1.44+01 1.44+01 1 N.A D(A)
40-ZR-91 1.44+01 1.44+01 1 N.A D(A)
40-ZR-92 1.44+01 1.44+01 1 N.A D(A)
- 2126 AECU-3402 (1956) G.L.GRIFFITH (WESTINGHOUSE)
OBSERVATION OF GAMMA SPECTRA ZRH1.5 9.50-01 5.50+00 14 N.N'
- 2127 CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., P.675 (1965)
G.T.WESTERN, J.R.WILLIAMS, H.G.CARTER (GEN.DYNAMICS)
TIME OF FLIGHT METHOD 41-NB-93 1.47+01 1.47+01 1 TOTAL
41-NB-93 1.47+01 1.47+01 1 ELASTIC
- 2128 NUCLEAR PHYS. 93, 340 (1967) M.M.LOPEZ, E.HADDAO,
S.J.FRIESENMAHN, F.H.FROHNER (GA)
TIME OF FLIGHT METHOD. AREA AND SHAPE ANALYSIS
BULL. AM. PHYS. SOC. 10, 724 (1965) 41-NB-93 3.60-05 1.39-03 57 RES.PARAM.
- 2129 NUCLEAR PHYS. 70, 497 (1965) O.LE POITTEVIN, S.DE BARROS,
V-D.HUYNN, J.JULIEN, J.MORGENSTERN, F.NETTER, C.SAHOUR
(SACLAY)
TIME OF FLIGHT METHOD. SHAPE ANALYSIS. BEST RESOLUTION WAS
0.5 NSEC/M AT 2 KEV. 41-NB-93 3.59-05 4.06-03 313 RES.PARAM.
- 2130 NUCLEAR INSTRUMENTS AND METHODS 45, 313 (1966) G.H.WILLIAMS,
J.L.MORGAN (TEXAS NUCLEAR)
ORO-2791-22 (1965) 41-NB-93 1.70+00 3.50+00 23 N.N' D(A)
GELI GAMMA SPECTROMETER
- 2131 PRIVATE COMMUNICATION (1960) D.B.THOMSON (LASL)
DATA OBTAINED FROM NNCS. NO METHOD GIVEN 41-NB-93 5.00+00 5.00+00 7 ELASTIC D(A)
49-IN-NAT 4.00+00 5.00+00 18 ELASTIC D(A)
- 2132 TRANS. AM. NUCLEAR SOC. 12, 283 (1969) Y.LUKIC,
E.E.CARROLL, JR. (U.FLORIDA)
ACTIVATION TECHNIQUE. SEE REFERENCE FOR NORMALIZATION
RELATIVE TO FE56(N,P) - AL27(N,ALPHA) - NI58(N,P) CROSS
SECTIONS 22-TI-46 4.91+00 7.04+00 11 N,P
22-TI-48 6.24+00 7.04+00 5 N,P
NUCLEAR SCIENCE AND ENGINEERING 43, 233 (1971)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-311 ***

REF.NO.=2132

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2133

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2133 PHYS. REV. 109, 1258 (1958) A.SAPLAKOGLU, L.M.BOLLINGER, R.E.COTE (ANL) FAST CHOPPER, FOUR SAMPLE THICKNESSES. AREA ANALYSIS. RESOLUTION WAS ABOUT 40 NSEC/M.	41-NB-93 41-NB-93	2.90-05 1.97-02 3.59-00 7.44-04	634 TOTAL 41 RES.PARAM.
2134 ANL-6534 PAGE 7 (1962) L.M.BOLLINGER, L.M.BOGAN, R.T.CARPENTER, R.C.COTE, H.E.JACKSON, J.P.MARION, G.E.THOMAS (ANL) ARGONNE FAST CHOPPER, TIME OF FLIGHT METHOD	42-MO-NAT	4.41-06 2.19-03	520 TOTAL
2135 SOVIET PROGRESS IN NEUTRON PHYSICS, PAGE 227 (1961) YU.YA.STAVISSKII, A.V.SHAPAR' (USSR) DETECTION OF CAPTURE GAMMA'S. RENORMALIZED TO U235 FISSION CROSS SECTIONS FROM BNL-325 (1965)	42-MO-NAT	5.00-02 9.60-01	11 N,0
2136 ACTA PHYSICA ACAD. SCI. HUNGARICAE 18, 295 (1965) J.BACSO, J.CSIKAI, A.PAZSIT (HUNGARY) ACTIVATION ANALYSIS NUCLEAR PHYS. 122, 234 (1968) J.KAROLYI, J.CSIKAI, O.PETO	42-MO-92 42-MO-92	1.48+01 1.48+01 1.48+01 1.48+01	1 N,2N 1 N,2N
2137 NUCLEAR PHYS. 85, 288 (1966) S.C.GUJRATHI, S.K.MUKHERJEE (INDIA) ACTIVATION ANALYSIS, STANDARD SCINTILLATION SPECTROSCOPY	42-MO-98	1.48+01 1.48+01	2 N,P
2138 SOVIET PROGRESS IN NEUTRON PHYSICS, PAGE 229 (1961) V.A.TOLSTIKOV, YU.YA.STAVISSKII (USSR) ACTIVATION METHOD, RELATIVE TO THE U235 FISSION CROSS SECTION	42-MO-100	5.20-02 4.00+00	23 N,0
2139 A/CONF. 16, 44 (1958) N.J.PATTENDEN (AERE) TRANSMISSION MEASUREMENTS. SEE ALSO REFERENCE 1105 FOR PU240 DATA. SEE ALSO REFERENCE 2720	43-TC-99 62-SM-149 62-SM-149 62-SM-152 62-SM-152 63-EU-NAT 63-EU-151 63-EU-153 63-EU-153 64-GD-NAT 64-GD-155 64-GD-157	1.00-08 1.00-05 2.53-08 2.53-08 9.76-08 8.73-07 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 4.57-07 4.57-07 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	85 TOTAL 1 ABSORP 6 RES.PARAM. 1 TOTAL 1 ABSORP 1 TOTAL 1 TOTAL 1 ABSORP 4 RES.PARAM. 1 TOTAL 1 TOTAL 1 TOTAL
2140 NUCLEAR PHYS. 73, 349 (1965) N.W.GOLCHERT, D.G.GAPDNER, J.SEDLET (ANL) ACTIVATION METHOD	7-N -14 43-TC-99 43-TC-99 43-TC-99	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 N,2N 1 N,N' 1 N,P 1 N,A
2141 NUCLEAR PHYS. 75, 215 (1966) P.R.GRAY, A.R.ZANDER, T.O.EBREY (PHILLIPS) ACTIVATION AND GAMMA RAY SPECTROSCOPY	44-RU-96 44-RU-96 44-RU-102 44-RU-104 44-RU-104	1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01	1 N,2N 1 N,P 1 N,P 1 N,2N 1 N,0

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-312 ***

REF.NO.=2141

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2141

REF BIBLIOGRAPHY

2141

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
44-RU-104	1.47+01 1.47+01	1 N,P
44-RU-104	1.47+01 1.47+01	1 N,A
45-RH-103	1.47+01 1.47+01	1 N,N'A

2142 NUCLEAR PHYS. 85, 475 (1966) P.R.PRASAD, D.C.SARKAR,
C.S.KHURANA (INDIA)
ACTIVATION METHOD. RELATIVE TO THE FESSE(N,P) CROSS SECTION
OF 0.126 BARNS

7-N-15	1.48+01 1.48+01	1 N,P
8-O-16	1.48+01 1.48+01	1 N,P
9-F-19	1.48+01 1.48+01	1 N,P
9-F-19	1.48+01 1.48+01	1 N,A
11-NA-23	1.48+01 1.43+01	1 N,P
12-MG-25	1.48+01 1.48+01	1 N,P
12-MG-26	1.48+01 1.48+01	1 N,A
16-S-34	1.4+01 1.48+01	1 N,P
17-CL-37	1.48+01 1.48+01	1 N,A
31-GA-71	1.48+01 1.48+01	1 N,A
44-RU-100	1.48+01 1.48+01	1 N,P
44-RU-102	1.48+01 1.48+01	1 N,P
45-RH-103	1.48+01 1.48+01	1 N,A

2143 AEC-TR-5734 PAGE 48 (1962) WANG NAI-YEN, I.VIZI,
E.N.KARZHAVINA, A.B.POPOV, YU.S.YAZVETSKI (USSR)
TIME OF FLIGHT METHOD. AREA METHOD. RESOLUTION OF 40 NSEC/M.

45-RH-103	0. 3.50-04	1 AV.RES.PARAM.
45-RH-103	3.44-05 6.48-04	38 RES.PARAM.

2144 AEC-TR-5734 PAGE 52 (1962) KIM HI SAN, L.B.PIKEL'NER,
M.I.PSHITULA, CH'ENG LING-YEN, E.I.SHARAPOV (USSR)
TIME OF FLIGHT METHOD. LARGE LIQUID SCINTILLATOR. SEE ALSO
REFERENCE 2143. RESOLUTION OF 55 NSEC/M.

45-RH-103	1.54-04 2.90-04	10 RES.PARAM.
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2145 J. PHYSIQUE 24, 987 (1963) P.RIBON, A.MICHAUDON (SACLAY)
TIME OF FLIGHT METHOD. SHAPE ANALYSIS
COMPT. REND. 254, 2546 (1962) P.RIBON, A.MICHAUDON,
Z.DIMITRIJEVIC

45-RH-103	0. 4.00-04	1 AV.RES.PARAM.
45-RH-103	0. 8.00-04	2 AV.RES.PARAM.
45-RH-103	1.25-06 7.95-04	109 RES.PARAM.

2146 AERE-R-4131 PAGE 26 (1962) N.J.PATTENDEN, C.A.UTTLEY (AERE)
TIME OF FLIGHT. DATA OBTAINED FROM NNCS. SEE ALSO
REFERENCE 2146

45-RH-103	2.31-05 2.95-04	834 TOTAL
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2147 AERE-NP/M-87 (1958) N.J.PATTENDEN, H.J.HAY, A.H.BASTON (AERE)
CRYSTAL SPECTROMETER

45-RH-103	1.25-06 1.25-06	3 RES.PARAM.
62-SM-147	3.40-06 3.40-06	2 RES.PARAM.

2148 AERE-PR/NP-2 PAGE 26 (1962) N.J.PATTENDEN, G.H.WILLIAMS
(AERE)
TIME OF FLIGHT METHOD. RESOLUTION WAS 23 NSEC/M AT 100 EV.
AERE-PR/NP-4 PAGE 10 (1963) N.J.PATTENDEN, S.BARDSLEY
THE CROSS SECTION IS GIVEN IN REFERENCE 2146

45-RH-103	0. 1.60-04	2 AV.RES.PARAM.
45-RH-103	3.43-05 1.62-04	5 RES.PARAM.

2149 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/165 (1965)
P.RIBON, A.LOTTIN, A.MICHAUDON, J.TROCHON (SACLAY)
TIME OF FLIGHT METHOD. SHAPE AND AREA ANALYSIS. DATA OBTAINED
FROM NNCS. RESOLUTION OF 1.3 NSEC/M AT 700 EV.

45-RH-103	1.77-04 7.57-04	2988 TOTAL
45-RH-103	1.25-06 7.57-04	169 RES.PARAM.

2150 CAN. J. PHYS. 44, 1985 (1966) W.H.WALKER, L.A.COPLEY
(CHALK R.)

45-RH-103	2.53-08 2.53-08	1 N,O
45-RH-103	2.53-08 2.53-08	1 N,O

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
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*** 3-313 ***

REF.NO.=2150

07/04/76

ECSIL-7660 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2150

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2150 CADMIUM RATIO METHOD. RELATIVE TO CM ABSORPTION CROSS SECTION
OF RH102 OF 146 BARNS2151 PRIVATE COMMUNICATION (1963) E.FREVERT (AUSTRIA)
RELATIVE TO AL27(N,ALPHA) CROSS SECTIONS = 116 MB
CROSS SECTIONS FOR (N,3HE) ARE UPPER LIMITS
ACTA PHYSICA AUSTRIACA 20, 304 (1965)
T(D,N) SOURCE. ACTIVATION. CORRECTED FOR ABSORPTION. SELF-
ABSORPTION
ANZ.OESTERR.AKAD.WISS. MATH-NATURWISS.KL. 100, 202 (1963)25-MN-55 1.48+01 1.48+01 1 N.A
27-CO-59 1.48+01 1.48+01 1 N.HE3
27-CO-59 1.48+01 1.48+01 1 N.A
33-AS-75 1.48+01 1.48+01 1 N.HE3
45-RH-103 1.48+01 1.48+01 1 N.HE32152 J. PHYS. RADIUM 22, 708 (1961) P.RIBON, Z.DIMITRIJEVIC.
A.MICHAUDON, P.WAGNER (SACLAY)
TIME OF FLIGHT METHOD. RESOLUTION OF 10 NSEC/M UP TO 75 EV.
THEN 5 NSEC/M UP TO 320 EV, THEN 2.5 NSEC/M ABOVE 320 EV.45-RH-103 1.E.-05 5.02-04 1984 TOTAL
45-RH-103 3.43-05 1.27-03 39 RES.PARAM.2153 NUCLEAR INSTRUMENTS AND METHODS 24, 445 (1963) M.C.MOXON.
E.R.RAE (AERE)
MOXON RAE DETECTOR. TIME OF FLIGHT METHOD. DATA OBTAINED VIA
NNCSC FROM M.C.MOXON (1964). THERE IS ALSO A PVT.COMM.(1964)45-RH-103 1.09-04 6.11-02 686 N.O
45-RH-103 4.58-05 9.93-05 69 N.O
47-AG-NAT 2.81-05 1.25-02 614 N.O
47-AG-NAT 2.80-05 8.94-05 238 N.O
73-TA-NAT 1.00-04 1.65-02 829 N.O
73-TA-NAT 9.65-06 9.98-05 759 N.O2154 JINR-P3-3882 (1968) E.N.KARZHAVINA, NGUYEN NGUYEN PHONG.
A.B.POPOV (DUBNA)
TRANSMISSION AND CAPTURE MEASUREMENT. SCINTILLATION COUNTERS.
ENRICHED ISOTOPES. RESOLUTION OF 10 NSEC/M IN THE TRANSMIS-
SION MEASUREMENT.
YAD. FIZ. 9, 897 (1969)62-SM-152 0. 7.00-04 2 AV.RES.PARAM.
62-SM-152 8.03-06 1.31-03 27 RES.PARAM.
62-SM-154 0. 1.30-03 2 AV.RES.PARAM.
62-SM-154 9.30-05 1.83-03 21 RES.PARAM.
64-GD-152 0. 2.30-04 2 AV.RES.PARAM.
64-GD-152 8.00-06 2.93-04 42 RES.PARAM.
64-GD-154 0. 2.30-04 2 AV.RES.PARAM.
64-GD-154 1.14-05 2.24-04 32 RES.PARAM.
64-GD-155 0. 1.80-04 2 AV.RES.PARAM.
64-GD-155 6.28-06 1.83-04 100 RES.PARAM.
64-GD-156 0. 1.20-03 2 AV.RES.PARAM.
64-GD-156 3.31-05 1.55-03 70 RES.PARAM.
64-GD-157 0. 3.00-04 2 AV.RES.PARAM.
64-GD-157 1.61-05 3.06-04 81 RES.PARAM.
64-GD-158 0. 2.00-03 2 AV.RES.PARAM.
64-GD-158 2.23-05 2.33-03 57 RES.PARAM.
64-GD-160 0. 2.50-03 2 AV.RES.PARAM.
64-GD-160 2.22-04 2.65-03 35 RES.PARAM.2155 PRIVATE COMMUNICATION (1966) P.RIBON (SACLAY)
DATA OBTAINED FROM NNCSC. TIME OF FLIGHT TECHNIQUE

45-RH-103 6.27-04 4.21-03 3675 TOTAL

2156 J. NUCLEAR ENERGY 23, 705 (1969) J.B.HUNT, J.C.ROBERTSON,
T.B.RYVES (ENGLAND)
ABSOLUTE COUNTING TECHNIQUE

92-U -238 2.53-08 2.53-08 1 N.O

2157 PHYS. REV. 91, 53 (1953) V.L.SAILOR (BNL)
CRYSTAL SPECTROMETER. SHAPE ANALYSIS

45-RH-103 1.26-06 1.26-06 4 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-314 ***

REF.NO.=2157

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2156

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2158 NEUTRON TIME-OF-FLIGHT METHODS. EANDC. SACLAY. PAGE 439 (1961) M.C. MOXON, E.R. RAE (AERE) MOXON-RAE DETECTOR. AREA ANALYSIS. GAMMA-GAMMA TAKEN AS 0.160 EV WHEN NOT GIVEN. GAMMA,N VALUES TAKEN FROM BNL-325 (1960) WHEN NOT GIVEN, WE HAVE TAKEN THE RECOMMENDED J VALUES FROM BNL-325 (1966) BNL-325 2ND ED. SUPPL.2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS. ISOTOPIC ASSIGNMENTS FOR AG HAVE ALSO COME FROM REFERENCES 2387 AND 3050.	45-RH-103 47-AG-NAT 47-AG-107 47-AG-109	9.47-05 6.33-04 1.73-04 2.51-04 1.65-05 3.11-04 3.05-05 3.17-04	21 RES.PARAM. 4 RES.PARAM. 14 RES.PARAM. 21 RES.PARAM.
2159 PRIVATE COMMUNICATION (1955) V.E. SCHERRER (NRL) DATA OBTAINED FROM NNCS. NO METHOD GIVEN	25-MN-55 28-FC-NAT 45-RH-103	2.50+00 2.50+00 2.50+00 2.50+00 2.50+00 2.50+00	7 N,N' D(A) 3 N,N' D(A) 5 N,N' D(A)
2160 J. EXPTL. THEORET. PHYS. (USSR) 45, 1743 (1963) HANG NAI-YEN, I.VIZI, V.N.EFIMOV, E.N.KARZHAVINA, KIM HI SAN, A.B. POPOV, L.B. PIKEL'NER, M.I. PSHTIL, T. STADNIKOV, CH'ENQ LING-YEN, E.I. SHARPOV, I.I. SHELONTSEV, N.YU. SHIRIKOVA, YU.S. YAZVETSKII TRANSMISSION, SCATTERING AND CAPTURE MEASUREMENTS. AREA ANALYSIS. BEST RESOLUTION OF 36 NSEC/M.	45-RH-103 45-RH-103	0. 3.50-04 3.44-05 8.43-04	3 AV.RES.PARAM. 69 RES.PARAM.
2161 NP-(2330) PAGE 369 (1962) V.P. DUGGAL, C.L. THAPER (INDIA) SINGLE CRYSTAL NEUTRON SPECTROMETER	46-PD-NAT 78-PT-NAT	1.97-09 6.35-08 2.00-09 6.10-08	47 TOTAL 46 TOTAL
2162 NUCLEAR SCIENCE AND ENGINEERING 30, 145 (1967) M.C. TEICH, P.J. SCHWEITZER, C.A. ANDERSON, T.J. THOMPSON (MIT) FAST CHOPPER. TRANSMISSION MEASUREMENT	46-PD-NAT 46-PD-108	4.85-09 9.30-06 2.97-06 2.97-06	177 TOTAL 2 RES.PARAM.
2163 YAD. FIZ. 5, 471 (1967) E.N. KARZHAVINA, A.B. POPOV, YU.S. YAZVETSKII, V.N. EFIMOV, N.YU. SHIRIKOVA (DUBNA) TRANSMISSION AND CAPTURE MEASUREMENT. AREA AND SHAPE ANALYSIS RESOLUTION OF 60-P9 NSEC/M IN TRANSMISSION EXPERIMENT AND 6 NSEC/M IN CAPTURE EXPERIMENT. JINR-P-2593 (1966)	67-HO-165 67-HO-165	0. 5.00-04 3.91-06 5.10-04	3 AV.RES.PARAM. 178 RES.PARAM.
2164 GA-3874 (1963) E. HADDAD, S.J. FRIESCHNAHN, W.M. LOPEZ (OA) LARGE LIQUID SCINTILLATOR. THIN TARGET DATA. ENRICHED ISOTOPES	47-AG-NAT 49-IN-NAT 68-ER-167	1.00-08 2.70-02 1.48-08 2.13-02 1.16-04 1.42-04	275 N.O 250 N.C 3 RES.PARAM.
2165 PHYS. REV. 128, 351 (1962) P.R. MALMBERG, S.C. SNOWDON (USNRL) RING GEOMETRY. MULTIPLE SCATTERING CORRECTIONS MADE	47-AG-NAT 47-AG-NAT 47-AG-NAT 49-IN-NAT 49-IN-NAT 49-IN-NAT	6.70+00 6.70+00 6.70+00 6.70+00 6.70+00 6.70+00 6.70+00 6.70+00 6.70+00 6.70+00 6.70+00 6.70+00	1 TOTAL 1 ELASTIC 39 ELASTIC D(A) 1 TOTAL 1 ELASTIC 40 ELASTIC D(A)
2166 PRIVATE COMMUNICATION (1962) K. TSUKADA DATA OBTAINED FROM NNCS. NO METHOD GIVEN. UNRESOLVED LEVELS BETWEEN 10 AND 12 MEV AND BETWEEN 12 AND 13 MEV	47-AG-NAT 48-CD-NAT 73-TA-NAT 74-W-NAT	1.49+01 1.49+01 1.49+01 1.49+01 1.49+01 1.49+01 1.49+01 1.49+01	22 N,N'EMS D(A) 21 N,N'EMS D(A) 23 N,N'EMS D(A) 22 N,N'EMS D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-315 ***

REF.NO.=2156

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2167

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2167 PRIVATE COMMUNICATION (1962) J.LANGMANN (GERMANY) DATA RECEIVED FROM NNCSO. NO METHOD GIVEN	47-AG-107 47-AG-109	1.41+01 1.41+01 1.41+01 1.41+01	1 N,2N 1 N,2N	
2168 ANZ. OESTERR. AKADE. WISS. MATH-NATURWISS. KL. 98, 115 (1961) H.K.VONACH (AUSTRIA) ACTIVATION ANALYSIS	47-AG-107 47-AG-107	1.40+01 1.40+01 1.40+01 1.40+01	1 N,2N 1 N,2N	
2169 PROC. PHYS. SOC. (LONDON) B1, 808 (1963) M.IRFAN, W.JACK (GLASGOW) PROPORTIONAL-COUNTER SCINTILLATION-COUNTER TELESCOPE	26-FE-54 26-FE-54 29-CU-63 29-CU-63 30-ZN-64 30-ZN-64 47-AG-107	1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.4+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01	1 N,N'A D(A) 1 N,A D(A) 1 N,N'A D(A) 1 N,A D(A) 1 N,N'A D(A) 1 N,A D(A) 1 N,A D(A)	
2170 PHYS. REV. 130, 731 (1963) L.A.RAYBURN (ANL) COUNTED ANNIHILATION RADIATION, RELATIVE TO A CROSS SECTION AT 14.4 MEV FOR THE CU63(N,2N) REACTION OF 0.503 BARNS	47-AG-107	1.20+01 1.95+01	16 N,2N	
2171 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/92 (1965) N.J.PATTENDEN (AERE) TRANSMISSION MEASUREMENT, AREA ANALYSIS, ENRICHED ISOTOPES	47-AG-109	6.22-05 6.30-04	30 RES.PARAM.	
2172 EANDC(E)-57U PAGE 28 (1965) F.LUX, W.KOHLER ACTIVATION ANALYSIS, RELATIVE TO RI FOR AU197 = 1549 BARNS	47-AG-109	5.50-07 1.50+01	1 N,0 RES.INT.	
2173 PHYS. REV. 141, 1129 (1966) R.E.CHRISTEN (BNL) TRANSMISSION MEASUREMENT, AREA ANALYSIS, GAMMA-GAMMA ASSUMED TO BE 0.120 EV. ISOTOPIC ASSIGNMENTS FOR AG HAVE ALSO COME FROM REFERENCES 2387 AND 3050, ENRICHED ISOTOPES. RESOLUTION ABOUT 50 NSEC/M FOR THE CHOPPER ONLY.	47-AG-107 47-AG-109 47-AG-109	5.13-05 5.13-05 2.37-05 3.47-04 3.03-05 3.17-04	1 RES.PARAM. 647 TOTAL 13 RES.PARAM.	
2174 CAN. J. PHYS. 41, 1321 (1963) R.G.HART, R.L.GRAHAM (CHALK R.) ANALYSIS OF BETA-RAY SPECTRUM WITH A MAGNETIC SPECTROMETER	47-AG-109	1.40+01 1.40+01	1 N,P	
2175 NUCLEAR SCIENCE AND ENGINEERING 31, 152 (1968) J.W.MEADOWS (ANL) PULSED SOURCE METHOD	48-CD-NAT	2.53-08 2.53-08	1 N,0	
2176 BULL. AM. PHYS. SOC. B, 60 (1963) L.A.RAYBURN (U.GEORGIA) COUNTED ANNIHILATION RADIATION	48-CD-106 59-PR-141	1.23+01 1.78+01 1.23+01 1.78+01	14 N,2N 20 N,2N	
2177 BULL. AM. PHYS. SOC. 12, 125 (1967) J.K.TEMPERLEY, P.C.BEARSE (USANDL)	48-CD-111 48-CD-112	2.20+00 1.47+01 1.37+01 1.47+01	24 N,N' 3 N,2N	
2178 NUCLEAR SCIENCE AND ENGINEERING 28, 359 (1967) R.O.AKYUZ, C.CANSOY, F.DOMANIC (TURKEY) CRYSTAL SPECTROMETER, SHAPE ANALYSIS, G WAS ASSUMED EQUAL TO 3/4. RESOLUTION OF 1.405 MICROSEC/M.	48-CD-NAT 48-CD-NAT 48-CD-113	2.50-08 1.00-06 1.81-07 1.81-07 1.81-07 1.81-07	43 TOTAL 3 RES.PARAM. 3 RES.PARAM.	
2179 PRIVATE COMMUNICATION (1954) J.E.EVANS (PHILLIPS) CRYSTAL SPECTROMETER, DATA ONLY KEPT HERE UP TO 1.2 EV	49-IN-NAT	2.51-08 1.20-06	311 TOTAL	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-316 ***

REF.NO.=2179

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2179

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2179 (SAMPLE THICKNESS OF 0.076 CM). DATA RECEIVED FROM NNCS

2180 NUCLEAR PHYS. 38, 601 (1962) B.SEN (INDIA)
COUNTED ALPHA TRACKS

49-IN-NAT 1.40+01 1.40+01 1 N,A

2181 J. INDRG. NUCLEAR CHEM. 22, 1 (1961) D.G.VALLIS, J.L.PERKIN
(AHRE)
ANALYSIS OF BETA AND GAMMA SPECTRA

40-ZR-96 1.45+01 1.45+01 1 N,P

2182 BULL. AM. PHYS. SOC. B, 121 (1963) L.A.RAYBURN (U.GEORGIA)
COUNTED ANNIHILATION RADIATION50-SN-112 1.23+01 1.78+01 15 N,2N
62-SH-144 1.29+01 1.78+01 13 N,2N2183 J. EXPTL. THEORET. PHYS. (USSR) 44, 472 (1963) G.P.CHURSIN,
V.YU.GONCHAR, I.I.ZALYUBOVSKI, A.P.KLYUCHAREV (USSR)
ACTIVATION METHOD. RELATIVE TO CU63(N,2N) CROSS SECTION OF
0.552 BARNS50-SN-112 1.45+01 1.45+01 1 N,P
50-SN-116 1.45+01 1.45+01 1 N,P
50-SN-118 1.45+01 1.45+01 1 N,P
50-SN-119 1.45+01 1.45+01 1 N,P
50-SN-119 1.45+01 1.45+01 1 N,P
50-SN-120 1.45+01 1.45+01 1 N,P2184 J. EXPTL. THEORET. PHYS. (USSR) 46, 1483 (1964)
A.P.KLYUCHAREV, V.V.USHAKOV, G.P.CHURSIN (USSR)
METHOD OF INDUCED BETA ACTIVITY. THE METASTABLE STATE OF
IN-112 WAS ASSUMED TO BE THE ISOMERIC STATE WITH THE LONGEST
HALF-LIFE50-SN-112 1.41+01 1.41+01 1 N,2N
50-SN-112 1.41+01 1.41+01 1 N,P
50-SN-112 1.41+01 1.41+01 1 N,P
50-SN-117 1.41+01 1.41+01 1 N,P
50-SN-124 1.41+01 1.41+01 1 N,2N2185 NUCLEAR PHYS. 45, 579 (1963) J.S.BRZOSKO, P.DECOWSKI,
Z.WILHELM (POLAND)
ACTIVATION ANALYSIS. SEE ALSO REFERENCE 218650-SN-116 1.42+01 1.42+01 1 N,P
50-SN-116 1.42+01 1.42+01 1 N,P
50-SN-116 1.42+01 1.42+01 1 N,P
50-SN-117 1.42+01 1.42+01 1 N,P
50-SN-117 1.42+01 1.42+01 2 N,P
52-TE-124 1.42+01 1.42+01 1 N,P
52-TE-124 1.42+01 1.42+01 1 N,P
52-TE-124 1.42+01 1.42+01 1 N,P
52-TE-128 1.42+01 1.42+01 1 N,P
52-TE-128 1.42+01 1.42+01 1 N,P
52-TE-128 1.42+01 1.42+01 1 N,P
52-TE-128 1.42+01 1.42+01 1 N,P
52-TE-130 1.42+01 1.42+01 1 N,P
52-TE-130 1.42+01 1.42+01 2 N,P2186 NUCLEAR PHYS. 74, 438 (1965) J.S.BRZOSKO, P.DECOWSKI,
K.SIHEK, Z.WILHELM (POLAND)
ACTIVATION METHOD. RELATIVE TO FE56(N,P) CROSS SECTION =
0.124 BARNS AND 0.104 BARNS AT 14.2 AND 14.9 MEV.
RESPECTIVELY50-SN-116 1.49+01 1.49+01 1 N,P
50-SN-116 1.49+01 1.49+01 1 N,P
50-SN-117 1.49+01 1.49+01 2 N,P
50-SN-118 1.49+01 1.49+01 2 N,N,P
50-SN-118 1.49+01 1.49+01 1 N,P
50-SN-118 1.49+01 1.49+01 1 N,P
50-SN-119 1.49+01 1.49+01 2 N,P
52-TE-124 1.49+01 1.49+01 2 N,P
52-TE-124 1.49+01 1.49+01 1 N,P
52-TE-128 1.49+01 1.49+01 1 N,P
52-TE-128 1.49+01 1.49+01 1 N,P
52-TE-130 1.42+01 1.42+01 1 N,2N
52-TE-130 1.42+01 1.42+01 1 N,2N

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-317 ***

REF.NO.=2186

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2186

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2186	52-TE-130	1.49+01 1.49+01	2	N,P
2187 YAD. FIZ. 3, 801 (1966) YU.V.ADAMCHUK, S.S.MOSKALEV, G.V.MURADYAN (USSR) TIME OF FLIGHT METHOD. AREA METHOD. ENRICHED ISOTOPES. RESOLUTION OF 6 NSEC/M.	50-SN-116 50-SN-116 50-SN-118 50-SN-118 50-SN-120 50-SN-120 50-SN-122 50-SN-122 50-SN-124 50-SN-124	1.10-04 1.81-03 1.55-03 4.64-03 4.00-04 5.10-03 3.60-04 4.72-03 3.60-04 3.86-03 1.71-03 1.26-02 1.00-04 6.88-03 1.76-03 6.88-03 6.00-05 2.38-03 8.2-03 9.96-03	3 10 3 14 3 18 3 6 3 6	AV.RES.PARAM. RES.PARAM. AV.RES.PARAM. RES.PARAM. AV.RES.PARAM. RES.PARAM. AV.RES.PARAM. RES.PARAM. AV.RES.PARAM. RES.PARAM.
2188 J. INORG. NUCLEAR CHEM. 13, 196 (1960) A.D.POULARIKAS, J.CUNNINGHAM, W.MC MILLAN, J.MC MILLAN, R.W.FINK (U.ARKANSAS) COUNTED DECAY BETAS AND GAMMAS. MONITOR REACTION WAS CUB3 (N,2N) WITH A CROSS SECTION OF 0.556 BARNS	50-SN-120 73-TA-181	1.48+01 1.48+01 1.48+01 1.48+01	2 1	N,P N,2N
2189 NUCLEAR PHYS. 119, 197 (1968) R.J.SCHNEIDER, A.M.CORMACK (HARVARD) TRANSMISSION MEASUREMENTS	13-AL-27 29-CU-NAT 48-CD-NAT 82-PB-NAT 92-U -238	9.94+01 1.51+02 9.94+01 1.51+02 9.94+01 1.51+02 9.94+01 1.51+02 9.94+01 1.51+02	6 8 6 6 6	TOTAL TOTAL TOTAL TOTAL TOTAL
2190 NUCLEAR SCIENCE AND ENGINEERING 35, 295 (1969) L.B.MILLER, H.P.POENITZ (ANL) MONTE CARLO REINTERPRETATION OF THE SHELL TRANSMISSION DATA OF REFERENCE 1364	92-U -238	2.30-02 2.30-02	1	N,0
2191 PRIVATE COMMUNICATION (1968) C.RODRIGUEZ (BRAZIL) DATA OBTAINED FROM IAEA, VIENNA. SLOW CHOPPER AND TIME OF FLIGHT SPECTROMETER	UO2	1.28-09 8.18-08	125	TOTAL
2192 NUCLEAR PHYS. 118, 65 (1968) A.N.BENKAMI, J.R.HUIZENGA, J.H.ROBERTS (ANL) RELATIVE TO U235 FISSION CROSS SECTIONS	90-TM-232	1.20+00 1.60+00	3	N,FISS
2193 ATOMNAYA ENERGIYA 23, 316 (1967) M.A.BAK, A.S.KRIVOKHATSKII, K.A.PETRZHAK, YU.G.PETROV, YU.F.ROMANOV, E.A.SHLYAMIN (USSR) ALPHA SPECTROMETER. RELATIVE TO AU197 CAPTURE CROSS SECTIONS OF 98.8 BARNS AND R1 OF 1558 BARNS CD CUTOFF TAKEN AS 0.5 EV	95-AM-241 95-AM-241 95-AM-241 95-AM-241 95-AM-241 95-AM-241 95-AM-241 95-AM-241 95-AM-241 95-AM-241 95-AM-241	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 5.00-07 1.50+01 5.00-07 1.50+01 5.00-07 1.50+01 5.00-07 1.50+01 2.50-08 2.50-08 5.00-07 1.50+01 5.00-07 1.50+01 2.50-08 2.50-08	1 1 1 1 1 1 1 1 1 1 1	N,FISS SPECT.AV. N,0 SPECT.AV. N,0 SPECT.AV. N,FISS RES.INT. N,0 RES.INT. N,0 RES.INT. N,0 RES.INT. N,0 SPECT.AV. N,0 RES.INT. N,0 SPECT.AV. N,FISS SPECT.AV.
2194 ATOMNAYA ENERGIYA 23, 6 (1967) I.V.KIRPICHNIKOV (USSR) WEIGHTED MEAN OF PARAMETERS FROM REFERENCES 1230, 1233, 1345	94-PU-239	7.82-06 7.50-05	10	RES.PARAM.
2195 ATOMNAYA ENERGIYA 24, 185 (1968) V.G.NESTEROV, G.N.SMIRENKIN (USSR)	92-U -233 92-U -233	3.50-01 2.97+00 3.50-01 2.97+00	48 48	N,FISS N,FISS C/S RATIO

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-318 ***

REF.NO.=2195

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2195

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2195 BOTH IONIZATION CHAMBER AND THE GLASS METHOD. SEE ALSO REFERENCE 993	94-PU-239	3.40-01 2.56+00	47 N.FISS
	94-PU-239	3.40-01 2.56+00	47 N.FISS C/S RATIO
2196 ATOMNAYA ENERGIYA 24, 243 (1968) S.M.KALIBIN, P.N.PALEY, R.N.IVANDY, Z.K.KARALOVA, G.M.KUKAYADZE, Z.I.PYZHOVA, G.V.RUKOLAIN (USSR) INDC-232 PAGE 28 (1967) MECHANICAL CHOPPER AND A SINGLE CHANNEL ANALYZER AT A FEW ENERGIES	90-TM-230	2.17-08 5.00-05	221 TOTAL
	90-TM-230	8.00-06 8.00-06	1 ELASTIC
	90-TM-230	2.50-08 2.50-08	1 ABSORP
	90-TM-230	1.43-06 5.63-04	1 N.O RES.INT.
	90-TM-230	1.43-06 5.63-04	2 AV.RES.PARAM.
	90-TM-230	1.43-09 5.63-04	35 RES.PARAM.
	90-TM-232	2.00-08 1.45-07	18 TOTAL
2197 PRIVATE COMMUNICATION (1965) A.B.SMITH (ANL)	12-MG-NAT	5.C.-01 1.49+00	523 TOTAL
2198 ATOMNAYA ENERGIYA 12, 514 (1962) D.BALLY, Z.GEORGIU, T.STADNIKOV (ROMANIA)	33-AS-75	2.72-09 8.00-09	20 TOTAL
	34-SE-NAT	2.72-09 9.46-09	21 TOTAL
	51-SB-NAT	2.72-09 9.46-09	22 TOTAL
	52-TE-NAT	2.72-09 9.46-09	19 TOTAL
2199 PHYS. REV. 155, 1330 (1967) A.STOLOVY (USNRL) TRANSMISSION OF POLARIZED NEUTRONS BULL. AM. PHYS. SOC. 8, 70 (1963) BULL. AM. PHYS. SOC. 9, 461 (1964)	51-SB-121	6.24-06 1.55-05	2 RES.PARAM.
	73-TA-181	4.28-06 1.33-05	2 RES.PARAM.
	75-RE-185	2.16-06 1.29-05	4 RES.PARAM.
	75-RE-187	4.41-06 1.12-05	2 RES.PARAM.
	77-IR-191	6.54-07 5.07-06	3 RES.PARAM.
	77-IR-193	1.30-06 1.30-06	1 RES.PARAM.
2200 PRIVATE COMMUNICATION (1967) K.E.PLUMLEE (ANL) DATA OBTAINED FROM NNCSC. RELATIVE TO AU197 (N,GAHMA) CROSS SECTION = 98.8 BARNs	51-SB-123	2.50-08 2.50-08	1 N.O SPECT.AV.
2201 ATOMNAYA ENERGIYA 14, 264 (1963) L.S.DANELYAN, B.V.EFIMOV (USSR) TIME OF FLIGHT METHOD. CAPTURE GAMMA RAY MEASUREMENTS. AREA ANALYSIS. 26 GAMMA γ , WHEN NOT GIVEN, WAS OBTAINED FROM BNL-325 (1960) ENRICHED ISOTOPES. RESOLUTION OF 50 NSEC/M.	52-TE-122	7.20-05 1.77-03	9 RES.PARAM.
	52-TE-123	2.38-05 3.65-04	37 RES.PARAM.
	52-TE-124	1.98-04 1.89-03	7 RES.PARAM.
	52-TE-125	2.59-05 7.68-04	32 RES.PARAM.
	52-TE-126	1.98-04 1.98-04	1 RES.PARAM.
2202 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTHEP, P/82 (1965) A.A.BERGMAN, S.P.KAPCHIGASHEV, YU.P.POPOV, S.A.ROMANOV (USSR) LEAD SLOWING DOWN NEUTRON SPECTROMETER	52-TE-124	1.00-03 6.10-02	17 N.O
	52-TE-125	1.00-03 6.10-02	17 N.O
	52-TE-126	1.00-03 6.10-02	17 N.O
	52-TE-128	1.00-03 6.10-02	16 N.O
	52-TE-130	1.00-03 6.10-02	17 N.O
2203 NUCLEAR PHYS. 41, 192 (1963) N.K.MAJUMDAR, A.CHATTERJEE (INDIA) ACTIVATION ANALYSIS. RELATIVE TO AL27(N,P)MG27 CROSS SECTION OF 77 +- B MILLIBARNS	52-TE-124	1.48+01 1.48+01	1 N.A
	52-TE-126	1.48+01 1.48+01	1 N.A
	52-TE-128	1.48+01 1.48+01	1 N,2N
	52-TE-128	1.48+01 1.48+01	1 N.A
	52-TE-130	1.48+01 1.48+01	1 N,2N
	52-TE-130	1.48+01 1.48+01	1 N,2N
	52-TE-140	1.48+01 1.48+01	1 N.A
2204 JINR-P3-3564 (1967) E.N.KARZHAVINA, NGUYEN NGUYEN PHONG, A.B.POPOV, A.I.TASKAEV (DUBNA)	60-ND-142	0. 6.30-03	2 AV.RES.PARAM.
	60-ND-142	1.68-03 9.98-03	14 RES.PARAM.
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION

*** 3-319 ***

REF.NO.=2204

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2204

REF BIBLIOGRAPHY

- 2204 TRANSMISSION AND CAPTURE MEASUREMENT. NATURAL ELEMENT AND ENRICHED ISOTOPE. RESOLUTION OF 6 - 80 NSEC/M.
YAD. FIZ. 8, 639 (1968)
- 2205 NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 387 (1970) W.KOLAR, G.CARRARO, G.NASTRI (GUEL)
TIME OF FLIGHT TECHNIQUE. SINGLE-LEVEL SHAPE ANALYSIS.
RESOLUTION VARIED FROM 50 NSEC/M AT 0.7 EV TO 1 NSEC/M AT 320 EV.
- 2206 NUCLEAR PHYS. 71, 417 (1965) J.C.ROBERTSON (ENGLAND)
CS1 CRYSTAL USED BOTH AS TARGET AND DETECTOR
NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTHERP, P/134 (1965)
- 2207 PHYS. REV. C, 2, 615 (1970) G.A.COWAN, B.P.BAYHURST, R.J.PRESTWOOD, J.S.GILMORE, G.W.KNOBELOCH (LASL)
STUDY OF FISSION SYMMETRY AT INDIVIDUAL LEVELS. RESOLUTION WAS 56 NSEC/M.
- 2208 Z. NATURFORSCHG. 17, 479 (1962) M.BORMANN (GERMANY)
COUNTED ALPHA FROM CS1 TARGET. ASSIGNED HALF OF THE ALPHAS FROM THE (N,N ALPHA) REACTION AND HALF OF THE ALPHAS FROM THE (N,ALPHA) REACTION TO 1 AND HALF TO CS
- 2209 NUCLEAR PHYS. 163, 577 (1971) O.W.BERGEN, R.R.FULLWOOD (LASL)
UNDERGROUND NUCLEAR EXPLOSION NEUTRON SOURCE.
- 2210 J. INORG. NUCLEAR CHEM. 26, 9 (1964) M.BRESESTI, F.CAPPELLANI, A.M.BRESESTI DEL TURCO, E.ORVINI (ITALY)
MEASURED THE ACTIVITY OF I-125
- 2211 J. INORG. NUCLEAR CHEM. 27, 1175 (1965) M.BRESESTI, F.CAPPELLANI, A.M.BRESESTI DEL TURCO, H.NEUMANN, E.ORVINI (ITALY)
MEASURED THE ACTIVITY OF XE127 AND CS137. RELATIVE TO CO59 (N,GAMMA) CROSS SECTION = 37.3 BARNS
- 2212 NUCLEAR PHYS. 68, 546 (1965) J.CSIKAI, A.SZALAY (HUNGARY)
MEASURED THE YIELDS OF I-131 AND I-130. RELATIVE TO A CROSS SECTION OF 1.0 MILLIBARNS FOR THE CS133(N,ALPHA) REACTION
- 2213 J. INORG. NUCLEAR CHEM. 25, 1079 (1963) W.S.LYON (ORNL)
MEASURED BA130/BA132 CROSS SECTIONS RATIO FOR PILE NEUTRONS

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

60-ND-143	0.	8.40-04	2	AV.RES.PARAM.
60-ND-143	5.54-05	1.31-03	48	RES.PARAM.
60-ND-144	0.	7.00-C3	2	AV.RES.PARAM.
60-ND-144	3.74-04	1.35-02	22	RES.PARAM.
60-ND-145	0.	1.00-03	2	AV.RES.PARAM.
60-ND-145	4.26-05	1.01-03	64	RES.PARAM.
60-ND-146	0.	4.00-03	2	AV.RES.PARAM.
60-ND-146	3.61-04	6.72-03	35	RES.PARAM.
60-ND-148	0.	4.50-03	2	AV.RES.PARAM.
60-ND-148	1.55-C4	8.78-03	58	RES.PARAM.
60-ND-150	0.	4.00-03	2	AV.RES.PARAM.
60-ND-150	7.E.-05	3.84-03	38	RES.PARAM.
92-U -233	0.	3.00-05	2	AV.RES.PARAM.
92-U -233	2.80-06	5.21-05	143	PTS.PARAM.
53-I -127	2.40-02	2.40-02	1	N.O
53-I -127	2.50-08	2.50-08	1	N.O SPECT.AV.
92-U -235	1.93-05	6.11-05	38	RES.PARAM.
53-I -127	1.41+01	2.15+01	5	N,N'A
53-I -127	1.21+01	2.15+01	6	N,A
55-CS-133	1.41+01	2.15+01	5	N,N'A
55-CS-133	1.21+01	2.15+01	6	N,A
94-PU-242	5.00-05	6.00-04	1	AV.RES.PARAM.
94-PU-242	5.34-05	7.88-04	23	RES.PARAM.
54-XE-124	2.53-08	2.53-08	1	N.O
54-XE-124	2.50-08	2.50-08	1	N.O SPECT.AV.
54-XE-124	5.00-07	1.50+01	1	N.O RES.INT.
54-XE-126	2.53-08	2.53-08	1	N.O
54-XE-126	2.50-08	2.50-08	1	N.O SPECT.AV.
54-XE-126	5.50-07	1.50+01	1	N.O RES.INT.
54-XE-136	2.53-08	2.53-08	1	N.O
55-CS-133	1.47+01	1.47+01	1	N,HE3
56-BA-132	2.50-06	2.50-08	1	N.O SPECT.AV.

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-320 ***

REF.NO.=2213

07/04/76

ECS1L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2213

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2213 AS 1.36 $\pm$ 0.08. RELATIVE TO BA130 CROSS SECTIONS OF 11. BARNs2214 PHYS. REV. 101, 149 (1956) W.C.BEGGS, S.L.ROBINSON, R.W.FINK (U.ARKANSAS)
MEASURED BA130/BA132 CROSS SECTIONS RATIO FOR PILE NEUTRONS AS 1.2 $\pm$ 0.3. RELATIVE TO BA130 CROSS SECTIONS OF 11. BARNs

56-BA-132 2.50-08 2.50-08 1 N,G SPECT.AV.

2215 PHYS. REV. 159, 1050 (1967) HLA SHWE, R.E.COTE, W.V.PRESTWICH (ANL)
FAST CHOPPER AREA AND SHAPE ANALYSIS. BEST RESOLUTION OF 11 NSEC/M.57-LA-NAT 1.00-07 1.50-03 58 TOTAL
57-LA-NAT -3.75-05 3.96-03 7 RES.PARAM.
57-LA-138 2.99-06 3.58-04 10 RES.PARAM.
57-LA-139 0. 1.10-02 1 AV.RES.PARAM.
57-LA-139 7.34-07 1.03-02 52 RES.PARAM.2216 PRIVATE COMMUNICATION (1965) P.CUZZOCREA (ITALY)
DATA OBTAINED FROM NNCS. NO METHOD GIVEN57-LA-139 1.40+01 1.40+01 1 N.O
57-LA-138 1.40+01 1.40+01 1 N.P
58-CE-140 1.40+01 1.40+01 1 N,2N
58-CL-140 1.40+01 1.40+01 1 N.P
58-CE-142 1.40+01 1.40+01 1 N,2N
58-CE-142 1.40+01 1.40+01 1 N.P
58-CE-142 1.40+01 1.40+01 1 N.A2217 YAD. F12. 1, 443 (1965) V.A.BUKAREV, V.I.POPOV (USSR)
MEASURED GAMMA RAY SPECTRA AND DEDUCED THE (INELASTIC SCATTERING CROSS SECTIONS57-LA-139 1.18+00 1.97+00 18 N,N'
59-PR-141 1.29+00 1.87+00 11 N,N'2218 J. PHYSIQUE 24, 999 (1963) G.BIANCHI, J.COLMIN, C.CORGE, V-D.HUYNH, J.JULIEN, J.MORGENSTERN, F.NETTER, M.VASTEL (SACLAY)
LARGE LIQUID SCINTILLATOR. SEE ALSO REFERENCE 1853

59-PR-141 8.50-05 3.83-04 6 RES.PARAM.

2219 PRIVATE COMMUNICATION (1966) K.ILAKOVAK
VIA NNCS. NO METHOD GIVEN
NUCLEAR PHYS. 117, 113 (1968)9-F -19 1.44+01 1.44+01 20 N,D D(A)
9-F -19 1.44+01 1.44+01 19 N,T D(A)
59-PR-141 8.50-05 8.50-05 1 RES.PARAM.2220 PRIVATE COMMUNICATION (1972) F.CVELBAR (YUGOSLAVIA)
INTEGRATED GAMMA SPECTRUM. TELESCOPIC SCINTILLATION PAIR SPECTROMETER. SEE ALSO REF. 2232.38-SR-NAT 1.41+01 1.41+01 1 N.O
38-SR-NAT 1.41+01 1.41+01 24 N,XO D(E)
49-IN-NAT 1.41+01 1.41+01 1 N.O
49-IN-NAT 1.41+01 1.41+01 25 N,XO D(E)
56-BA-NAT 1.41+01 1.41+01 1 N.O
56-BA-NAT 1.41+01 1.41+01 25 N,XO D(E)
74-W -NAT 1.41+01 1.41+01 1 N.O
74-W -NAT 1.41+01 1.41+01 25 N,XO D(E)
82-PB-NAT 1.41+01 1.41+01 1 N.O
82-PB-NAT 1.41+01 1.41+01 25 N,XO D(E)
83-B1-209 1.41+01 1.41+01 1 N.O
83-B1-209 1.41+01 1.41+01 25 N,XO D(E)2221 IEA-86 (1963) L.Q.AMARAL, M.DE ABREU, F.G.BIANCHINI, M.DE CAMARGO MATTOS (BRAZIL)
CRYSTAL MONOCHROMATOR
IAEA CONF. ON NUCLEAR DATA. PARIS, PAPER CN-23/129(1966)59-PR-141 1.75-09 9.70-07 33 TOTAL
59-PR-141 2.53-08 2.53-08 1 ABSORP
68-ER-NAT 6.70-10 2.95-07 32 TOTAL
68-ER-NAT 2.53-08 2.53-08 1 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-321 ***

REF.NO.=2221

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2221

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2221 R.L.ZIMMERMAN, L.Q.AMARAL, R.FULFARO, M.DE CAMARGO MATTOS, M.DE ABREU, R.STASILEVICIUS INT.-AM.SYMP.PEACEFUL APPL.NUCL.EN. MEXICO CITY, P. 55 (1962) R.L.ZIMMERMAN, M.DE ABREU, O.W.MARTINS, M.DE CAMARGO MATTOS 1EA-75 (1962)	68-ER-NAT 68-ER-NAT 70-YB-NAT 70-YB-NAT 70-YB-NAT 70-YB-NAT 71-LU-NAT 71-LU-NAT 71-LU-NAT 71-LU-NAT	2.53-08 2.53-08 2.53-08 2.53-08 1.75-09 2.40-07 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 1.85-08 2.03-07 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 1 22 1 1 1 25 1 1 1	SCATTER ABSORP TOTAL TOTAL SCATTER ABSORP TOTAL TOTAL SCATTER ABSORP
2222 PHYS. REV. 142, 725 (1966) J.T.GRISSOM, D.R.KOEHLER, W.L.ALFORD (REDSTONE ARSENAL AND AUBURN UNIV.) RELATIVE TO THE CUG3(N,2N) CROSS SECTIONS OF 610 MILLIBARNS	60-ND-142	1.4 +01 1.47+01	1	N,2N
2223 YAD. FIZ. 1, 252 (1965) V.N.ANDREEV, S.M.SIROTKIN (USSR) MULTILAYER IONIZATION CHAMBER	60-ND-143 62-SM-149 63-EU-151	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	3 3 1	N,A D(E) N,A D(E) N,A D(E)
2224 TRANS. AM. NUCLEAR SOC. 7, 270 (1964) C.P.RUIZ, J.P.PETERSON, B.F.RIDER (GE-VALLECITOS) ACTIVATION ANALYSIS. BASED ON AU197(N,GAMMA) CROSS SECTIONS = 98.8 BARNS AND R1 = 1558 BARNS	60-ND-148 60-ND-148	2.50-08 2.50-08 5.00-07 1.50+01	2 1	N,G SPECT.AV. N,G RES.INT.
2225 J. INORG. NUCLEAR CHEM. 29, 2117 (1967) J.J.PINAJIAN, J.F.ALLEN (ORN) ACTIVATION ANALYSIS	61-PH-146	2.50-08 2.50-08	1	N,G SPECT.AV.
2226 ATOMNAYA ENERGIYA 3, 11 (1957) V.K.GORSHKOV, R.N.IVANOV, G.M.KUKAVADZE, I.A.REFORMATSKY (USSR) INTEGRAL MASS SPECTROMETER METHOD	61-PH-147 62-SM-147 62-SM-149	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1	ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV.
2227 EANDC(UK)-755 (1966) N.C.FENNER, R.S.LARGE (AHRE) MASS SPECTROMETRY METHOD	61-PH-147 61-PH-147 61-PH-148 61-PH-148 62-SM-147 62-SM-147	1.00-05 1.00-05 2.50-08 2.50-08 1.00-05 1.00-05 2.50-08 2.50-08 1.00-05 1.00-05 2.50-08 2.50-08	2 2 1 1 1 1	N,G N,G SPECT.AV. N,G N,G SPECT.AV. N,G N,G SPECT.AV.
2228 ATOMNAYA ENERGIYA 19, 188 (1965) I.A.KONDUROV, L.M.GRACHEVA, A.I.EGOROV, D.M.KAMINKER, A.M.NIKITIN, YU.V.PETROV (USSR) MEASURED AMOUNT OF PM150 FORMED FROM PM149	61-PH-149	2.50-08 2.50-08	1	N,G SPECT.AV.
2229 J. NUCLEAR ENERGY 4, 33 (1957) K.L.AITKEN, D.J.LITTLER, E.E.LOCKETT, G.H.PALMER (AERE) RELATIVE TO B CROSS SECTION OF 766 +- 5 BARNS	62-SM-NAT 62-SM-149	2.50-08 2.50-08 2.50-08 2.50-08	1 1	ABSORP SPECT.AV. ABSORP SPECT.AV.
2230 BULL. AM. PHYS. SOC. 2, 42 (1957) F.B.SIMPSON, R.G.FLUHARTY (PHILLIPS) FAST CHOPPER. ENRICHED ISOTOPES. RESOLUTION OF 40-70 NSEC/M. 100-16373 PAGE 39 (1957) F.B.SIMPSON BNL-325 2ND ED. SUPPL.2 (1955)	62-SM-NAT 62-SM-147 62-SM-149 62-SM-150 62-SM-152	4.80-05 9.34-05 1.83-05 9.93-05 1.22-05 9.93-05 2.05-05 4.43-05 8.75-05 8.75-05	3 25 46 2 1	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-322 ***

REF.NO.=2230

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2230

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2230 FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS.	64-GD-155	2.14-06 4.71-05	52 RES.PARAM.
	64-GD-157	2.98-06 4.90-05	11 RES.PARAM.
	64-GD-158	2.27-05 2.27-05	1 RES.PARAM.
2231 NUCLEAR SCIENCE AND ENGINEERING 28, 139 (1967) L.FORMAN, F.A.WHITE (RPI) MASS SPECTROMETRIC TECHNIQUE	62-SM-147	2.50-08 2.50-08	1 N.G SPECT.AV.
2232 NIJS-R-505 (1967) F.CVELBAR, A.HUDOKLIN-BOZIC, M.V.MIHAILOVIC (YUGOSLAVIA) TELESCOPIC SCINTILLATION PAIR SPECTROMETER NIJS-P-213 (1968) NUCLEAR PHYS. 138, 412 (1969) NUCLEAR PHYS. 158, 251 (1970)	12-MG-NAT	1.41+01 1.41+01	1 N.G
	12-MG-NAT	1.41+01 1.41+01	25 N.XG D(E)
	14-SI-NAT	1.41+01 1.41+01	1 N.G
	14-SI-NAT	1.41+01 1.41+01	25 N.XG D(E)
	15-P-31	1.41+01 1.41+01	1 N.G
	15-P-31	1.41+01 1.41+01	25 N.XG D(E)
	20-CA-NAT	1.41+01 1.41+01	25 N.XG D(E)
	20-CA-40	1.41+01 1.41+01	1 N.G
	29-CU-NAT	1.41+01 1.41+01	1 N.G
	29-CU-NAT	1.41+01 1.41+01	25 N.XG D(E)
	34-SE-NAT	1.41+01 1.41+01	1 N.G
	34-SE-NAT	1.41+01 1.41+01	25 N.XG D(E)
	35-BR-NAT	1.41+01 1.41+01	1 N.G
	35-BR-NAT	1.41+01 1.41+01	25 N.XG D(E)
	49-IN-NAT	1.41+01 1.41+01	1 N.G
	49-IN-NAT	1.41+01 1.41+01	26 N.XG D(E)
	53-I-127	1.41+01 1.41+01	1 N.G
	53-I-127	1.41+01 1.41+01	25 N.XG D(E)
2233 BULL. AM. PHYS. SOC. 10, 724 (1965) K.BEG, R.D.MACFARLANE (MC MASTER U.)	62-SM-149	2.50-08 2.50-08	1 N.A SPECT.AV.
2234 BULL. AM. PHYS. SOC. 2, 218 (1957) R.C.BLOCK, G.G.SLAUGHTER, J.A.HARVEY (ORNL) FAST CHOPPER. AREA ANALYSIS. ENRICHED ISOTOPES	62-SM-149	8.90-07 1.24-05	5 RES.PARAM.
2235 A/CONF. 15, 446 (1958) M.P.ANIKINA, P.M.ARDN, V.K.GORSHKOV, R.N.IVANOV, L.M.KRIZHANSKY, G.M.KUKAVADZE, A.N.MURIN, I.A.REFORMATSKY, B.V.ERSHLER (USSR) MASS-SPECTROSCOPIC ANALYSIS	62-SM-149	2.53-08 2.53-08	1 N.G
	62-SM-151	2.53-08 2.53-08	1 ABSORP
2236 NUCLEAR PHYS. 82, 331 (1966) F.POORTMANS, H.CEULEMANS, A.J.DERUYTTER, M.NEVE DE HEVERGNIES (BELGIUM) CRYSTAL SPECTROMETER. RESOLUTION OF 4 PERCENT.	62-SM-149	9.76-08 9.76-08	1 RES.PARAM.
2237 NUCLEAR SCIENCE AND ENGINEERING 12, 63 (1962) A.BERNABEI, L.B.BORST, V.L.SAILOR (BNL) CRYSTAL SPECTROMETER. RESOLUTION OF 170 NSEC/M.	62-SM-152	7.52-06 8.52-06	24 TOTAL
	62-SM-152	2.53-08 2.53-08	1 ABSORP
	62-SM-152	8.03-06 8.03-06	5 RES.PARAM.
2238 PHYS. REV. 98, 1162 (1955) N.HOLT (NORWAY) MECHANICAL NEUTRON MONOCHROMATOR	63-EU-NAT	1.07-09 8.50-09	12 TOTAL
	63-EU-151	-6.00-10-6.00-10	2 RES.PARAM.
2239 BULL. AM. PHYS. SOC. 1, 347 (1956) J.A.HARVEY, R.C.BLOCK (ORNL)	63-EU-151	1.05-06 9.00-06	33 RES.PARAM.
	63-EU-153	1.76-06 8.90-06	24 RES.PARAM.
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION

*** 3-323 ***

REF.NO.=2239

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2239

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2239 FAST CHOPPER. AREA ANALYSIS. ENRICHED ISOTOPES

2240 J. INORG. NUCLEAR CHEM. 29, 2671 (1967) G.H.E.SIMS,
D.O. JUHNKE (CANADA)
ACTIVATION METHOD. RELATIVE TO CROSS SECTION OF 98.8 BARNS
FOR AU197 AND 37.5 BARNS FOR CO-59

63-EU-151	2.50-08	2.50-08	2	N.O	SPECT.AV.
63-EU-151	2.50-08	2.50-08	2	N.O	SPECT.AV.
63-EU-151	5.00-07	1.50+01	1	N.O	RES.INT.
63-EU-151	5.00-07	1.50+01	1	N.O	RES.INT.
63-EU-153	2.50-08	2.50-08	2	N.O	SPECT.AV.
63-EU-153	5.00-07	1.50+01	1	N.O	RES.INT.

2241 PHYS. REV. 137, 763 (1965) K.TAKAHASHI, M.MC KEOWN,
G.SCHARFF-GOLDSBERGER (BNL)
DOUBLE FOCUSING BETA SPECTROMETER. MEASURED CROSS SECTION
EU152 (98 MIN.) / CROSS SECTION EU152 (9.3 HR.) = 1/(820 +/-
150). RELATIVE TO EU151(N,GAMMA) EU152 (9.3 HR.) = 3100 BARNS

63-EU-151	2.50-08	2.50-08	1	N.O	SPECT.AV.
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2242 NUCLEAR SCIENCE AND ENGINEERING 25, 291 (1966) C.J.WICKSTROM,
S.B.POTTER, H.J.TILLER (USNDL)
TRANSMISSION MEASUREMENT. CORRECTED FOR IN-SCATTERING AND
MULTIPLE SCATTERING

64-GD-NAT	2.39+00	1.57+01	7	TOTAL	
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2243 NUCLEAR SCIENCE AND ENGINEERING 8, 103 (1960) H.B.MOLLER,
F.J.SHORE, V.L.SAILOR (BNL)
CRYSTAL SPECTROMETER. SHAPE ANALYSIS. ENRICHED ISOTOPES.
RESOLUTION WAS 0.0017 EV AT 0.5 EV, AND 0.00024 EV AT 0.02 EV

64-GD-NAT	1.95-08	2.79-07	50	TOTAL	
64-GD-155	1.95-08	2.79-07	50	TOTAL	
64-GD-155	2.68-08	2.56-06	15	RES.PARAM.	
64-GD-157	1.95-08	2.79-07	50	TOTAL	
64-GD-157	3.14-08	2.82-06	10	RES.PARAM.	
68-ER-NAT	2.05-07	8.88-07	88	TOTAL	
68-ER-167	2.05-07	8.88-07	84	TOTAL	
68-ER-167	4.60-07	5.84-07	12	RES.PARAM.	

2244 IAEA CONF. ON NUCLEAR DATA. PARIS, PAPER CN-23/82 (1966)
R.DOBRODZEMSKY, E.FORMANN, G.LUGMAIR, F.PICHLMAYER,
F.P.VIEHBOCK, H.WOTKE (AUSTRIA)
MEASUREMENT OF ISOTOPIC RATIOS BEFORE AND AFTER IRRADIATION.
RELATIVE TO A CO-59 PILE CROSS SECTION OF 40.8 BARNS

64-GD-154	2.50-08	2.50-08	1	N.O	SPECT.AV.
64-GD-154	5.00-07	1.50+01	1	N.O	RES.INT.
64-GD-156	2.50-08	2.50-08	1	N.O	SPECT.AV.
64-GD-156	5.00-07	1.50+01	1	N.O	RES.INT.
70-YB-170	2.50-08	2.50-08	1	N.O	SPECT.AV.
70-YB-171	2.50-08	2.50-08	1	N.O	SPECT.AV.
70-YB-172	2.50-08	2.50-08	1	N.O	SPECT.AV.
70-YB-172	5.00-07	1.50+01	1	N.O	RES.INT.
70-YB-173	2.50-08	2.50-08	1	N.O	SPECT.AV.
70-YB-173	5.00-07	1.50+01	1	N.O	RES.INT.

2245 PHYS. REV. C, 1, 1850 (1970) S.F.MUGHABGHAB, R.E.CHRIEN (BNL)
BULL. AM. PHYS. SOC. 9, 433 (1964)
TRANSMISSION MEASUREMENTS. ENRICHED ISOTOPES. AREA AND SHAPE
ANALYSIS.

66-DY-161	2.72-06	1.38-04	2	AV.RES.PARAM.	
66-DY-161	2.72-06	1.37-04	43	RES.PARAM.	
66-DY-162	5.43-06	8.61-04	2	AV.RES.PARAM.	
66-DY-162	5.43-06	8.61-04	16	RES.PARAM.	
66-DY-163	1.71-06	2.24-04	2	AV.RES.PARAM.	
66-DY-163	1.71-06	2.23-04	21	RES.PARAM.	
66-DY-164	0.	1.31-03	2	AV.RES.PARAM.	
66-DY-164	1.45-04	1.31-03	8	RES.PARAM.	

2246 PHYS. REV. 138, 1361 (1965) F.J.SHORE, C.A.REYNOLDS,
V.L.SAILOR, G.BRUNHART (BNL)
TRANSMISSION OF POLARIZED NEUTRONS THROUGH POLARIZED TARGETS

64-GD-155	2.68-08	2.66-06	3	RES.PARAM.	
64-GD-157	3.14-08	2.82-06	2	RES.PARAM.	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-324 ***

REF.NO.=2246

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO. #2247

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2247 ATOMNAYA ENERGIYA 19, 459 (1965) E.I. GRISHANIN, G.M. KUKAVADZE, V.I. LEPENDIN, L.YA. MAMELOVA, I.G. MOROZOV, V.V. ORLOV, D.T. PILIPETS (USSR) MASS SPECTROMETER. RELATIVE TO G0157 PILE ABSORPTION CROSS SECTION OF 150,000 BARN. TO OBTAIN 2200 M/SEC VALUE, CROSS SECTION ASSUMED TO BE 1/V	64-GD-156 64-GD-156	2.53-08 2.53-08 2.50-08 2.50-08	1 N.G. 1 N.G.	SPECT. AV.
2248 BULL. AM. PHYS. SOC. 6, 70 (1961) W.E. MOORE (KAPL) SLOW CHOPPER	66-DY-NAT 66-DY-164 72-HF-NAT	5.30-10 4.00-07 5.30-10 1.40-07 6.10-10 1.40-07	75 TOTAL 37 TOTAL 37 TOTAL	
2249 JAERI-1069 (1964) K. OKAMOTO (JAPAN) MECHANICAL VELOCITY SELECTOR AND CRYSTAL MONOCHROMATOR	66-DY-NAT	5.30-10 2.30-08	36 TOTAL	
2250 ATOMNAYA ENERGIYA 16, 56 (1964) L.S. DANEL'YAN, YU.V. ADAMCHUK, S.S. MOSKALEV, M.I. PEVZNEV, S.S. YASTREBOV (USSR) TIME OF FLIGHT TECHNIQUE. SCINTILLATION DETECTION OF PROMPT GAMMAS	66-DY-161 66-DY-161 66-DY-162 66-DY-163 66-DY-163	2.30-08 1.00-06 -2.38-06 -2.38-06 2.20-08 1.00-06 2.10-08 1.00-06 -5.17-07 -5.17-07	85 N.G. 1 RES. PARAM. 78 N.G. 84 N.G. 1 RES. PARAM.	
2251 BULL. AM. PHYS. SOC. 2, 42 (1957) R.L. ZIMMERMAN (BNL) FAST CHOPPER. AREA ANALYSIS. ENRICHED ISOTOPES	66-DY-161 66-DY-162 66-DY-163 66-DY-164	2.72-06 3.35-05 5.44-06 6.45-04 1.71-06 9.39-05 1.46-04 1.46-04	56 RES. PARAM. 9 RES. PARAM. 21 RES. PARAM. 2 RES. PARAM.	
2252 BULL. AM. PHYS. SOC. 7, 305 (1962) G. BRUNHART, H. MARSHAK, C.A. REYNOLDS, V.L. SAILOR, R.I. SCHERMER, F.J. SHORE (BNL) MEASUREMENT WITH POLARIZED NEUTRONS ON A POLARIZED TARGET	66-DY-161 66-DY-163	2.72-06 3.69-06 1.71-06 1.71-06	2 RES. PARAM. 1 RES. PARAM.	
2253 PRIVATE COMMUNICATION (1962) V.L. SAILOR (BNL) DATA OBTAINED FROM NNCSC. NO METHOD GIVEN	66-DY-161	4.33-06 7.73-06	2 RES. PARAM.	
2254 NUCLEAR PHYS. 62, 641 (1965) H. CEULEMANS, F. POORTMANS (BELGIUM) CRYSTAL SPECTROMETER. SEE ALSO REFERENCE 1905 ANL-6797 PAGE 363 (1963) BULL. AM. PHYS. SOC. 8, 70 (1963)	64-GD-157 66-DY-163 69-TM-169 72-HF-177	3.14-08 3.14-08 1.71-06 1.71-06 3.92-06 3.92-06 1.10-06 2.40-06	1 RES. PARAM. 2 RES. PARAM. 1 RES. PARAM. 2 RES. PARAM.	
2255 NUCLEAR SCIENCE AND ENGINEERING 11, 369 (1961) R. SHER, S. TASSAN, E.V. WEINSTOCK, A. HELLSIEN CRYSTAL SPECTROMETER SHAPE ANALYSIS. 2200 M/SEC CAPTURE CROSS SECTION CALCULATED ASSUMING A 1/V BEHAVIOR. ENRICHED ISOTOPES RESOLUTION VARIED FROM 736 NSEC/M BELOW 0.09 EV, DOWN TO 171 NSEC/M ABOVE 0.35 EV.	66-DY-164 66-DY-164	2.53-08 2.00-06 -1.89-06 -1.89-06	9 N.G. 3 RES. PARAM.	
2256 NUCLEAR PHYS. 95, 683 (1967) R.L. ZIMMERMAN, L.O. AMARAL, R. FULFARO, M.C. MATOS, M. DE ABREU, R. STASIEVICIUS (BRAZIL) CRYSTAL SPECTROMETER, COUPLED WITH A MECHANICAL MONOCHROMATOR AND A SLOW CHOPPER	59-PR-141 59-PR-141 59-PR-141 67-HO-165 67-HO-165 67-HO-165 68-ER-NAT	2.55-09 9.70-07 2.53-09 2.53-08 2.53-08 2.53-08 1.00-09 9.40-07 2.53-08 2.53-08 2.53-08 2.53-08 5.49-09 2.95-07	33 TOTAL 1 SCATTER 1 N.G. 11 TOTAL 1 SCATTER 1 N.G. 24 TOTAL	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-325 ***

REF.NO. #2256

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2256

REF BIBLIOGRAPHY

2256

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
68-ER-NAT	2.53-08 2.53-08	1	N.G
69-TM-169	9.50-10 9.50-07	63	TOTAL
69-TM-169	2.53-08 2.53-08	1	SCATTER
69-TM-169	2.53-07 2.53-07	1	N.O
70-YB-NAT	1.75-09 4.09-07	51	TOTAL
70-YB-NAT	2.53-08 2.53-08	1	SCATTER
70-YB-NAT	2.53-08 2.53-08	1	N.O
71-LU-NAT	8.20-09 2.33-07	58	TOTAL
71-LU-NAT	2.53-08 2.53-08	1	SCATTER
71-LU-NAT	2.53-08 2.53-08	1	N.O
71-LU-176	1.45-07 1.45-07	2	RES.PARAM.

2257 NUCLEAR PHYS. 46, 51 (1963) G.M.MARCAZZAN, F.TONOLINI, L.ZETTA (ITALY)
SOLID STATE DETECTOR. RELATIVE TO AN Au197(N,ALPHA) CROSS SECTION AT 30 DEGREES OF 0.1 MB/STER

67-HO-165	1.47+01 1.47+01	1	N.A	D(A)
71-LU-NAT	1.47+01 1.47+01	1	N.A	D(A)
73-TA-181	1.47+01 1.47+01	1	N.A	D(A)

2258 NUCLEAR PHYS. 85, 227 (1965) S.SETHI, S.K.MUKHERJEE (INDIA)
ACTIVATION ANALYSIS OF BETA AND GAMMA SPECTRA

67-HO-165	1.40+01 1.40+01	1	N,2N
67-HO-165	1.40+01 1.40+01	2	N,2N

2259 PHYS. REV. 137, 1484 (1965) G.BRUNHART, H.POSTMA, V.L.SAILOR (BNL)
TRANSMISSION OF POLARIZED NEUTRONS THROUGH A POLARIZED TARGET
RESOLUTION WAS ABOUT 0.5 EV AT 3.9 EV.

67-HO-165	1.82-05 2.13-05	2	RES.PARAM.
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2260 YAD. FIZ. 3, 55 (1965) V.P.ALFIMENKOV, V.I.LUSHCHIKOV, V.G.NIKOLENKO, YU.V.TARAN, F.L.SHAPIRO (USSR)
TRANSMISSION OF POLARIZED NEUTRONS THROUGH A POLARIZED TARGET
NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P. 223 (1965)
F.L.SHAPIRO
JINR-P-2209 (1965)

67-HO-165	3.92-06 5.40-05	11	RES.PARAM.
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2261 TRANS. AM. NUCLEAR SOC. 3, 462 (1960) J.R.ROESSER, R.E.SLOVACEK (KAPL)
SLOW CHOPPER

68-ER-NAT	1.03-09 6.50-07	126	TOTAL
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2262 PRIVATE COMMUNICATION (1964) E.HADDAD (GA)
CAPTURE MEASUREMENT. AREA ANALYSIS
BNL-325 2ND ED. SUPPL.2 (1965)
FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCSO.

68-ER-NAT	1.24-08 1.23-06	88	N.O
68-ER-164	3.04-05 5.67-05	2	RES.PARAM.
68-ER-166	1.55-05 8.18-05	4	RES.PARAM.
68-ER-167	5.97-06 1.13-04	33	RES.PARAM.
68-ER-168	7.99-05 7.99-05	1	RES.PARAM.

2263 PHYS. REV. 162, 1130 (1967) S.F.MUGHABGHAB, R.E.CHRIEN, M.R.BHAT (BNL)
AREA AND SHAPE ANALYSIS. ENRICHED ISOTOPES. BEST RESOLUTION OF 50 NSEC/M.

68-ER-162	5.00-06 1.50-02	5	AV.RES.PARAM.
68-ER-162	5.48-06 2.28-04	34	RES.PARAM.
68-ER-164	2.53-08 2.53-08	1	TOTAL
68-ER-164	8.00-06 1.50-02	5	AV.RES.PARAM.
68-ER-164	7.92-06 2.25-04	24	RES.PARAM.
68-ER-166	1.50-05 1.50-02	4	AV.RES.PARAM.
68-ER-166	1.55-05 6.03-04	26	RES.PARAM.
68-ER-167	0. 1.50-02	5	AV.RES.PARAM.
68-ER-167	4.60-07 1.42-04	56	RES.PARAM.
68-ER-168	2.53-08 2.53-08	1	TOTAL

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-326 ***

REF.NO.=2263

G7/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NQ.#2263

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2263

68-ER-168 8.00-05 1.50-02 4 AV.RES.PARAM.
 68-ER-168 7.99-05 1.41-03 16 RES.PARAM.
 68-ER-170 9.48-05 9.48-05 2 RES.PARAM.

2264 BULL. AM. PHYS. SOC. 12, 105 (1967) M.A.LONE, D.A.WASSON,
 M.R.BHAT, M.BEER, R.E.CHRIEN, H.R.MUEITHE (BNL)
 GAMMA RAY SPECTRA

69-TM-169 4.00-06 3.49-05 5 RES.PARAM.

2265 BULL. AM. PHYS. SOC. 8, 334 (1963) P.P.SINGH (CHALK R.)
 FAST CHOPPER. SCATTERING AND TRANSMISSION MEASUREMENTS

47-AG-NAT 1.74-04 1.74-04 2 RES.PARAM.
 47-AG-107 1.60-05 5.20-05 5 RES.PARAM.
 47-AG-109 3.10-05 1.32-04 8 RES.PARAM.
 69-TM-169 3.5-06 1.64-04 75 RES.PARAM.

2266 YAD. FIZ. 3, 48 (1966) WANG NAI-YANG, E.N.KARZHAVINA,
 A.B.POPOV, YU.S.YAZVETSKII, YAO CHI-CHUANG (USSR)
 JINR-P-2158 (1965)
 SLOW NEUTRON SPECTROMETER. AREA ANALYSIS
 BNL-325 2ND ED. SUPPL. 2 (1965)
 FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS.
 NATURAL ELEMENT AND ENRICHED ISOTOPES

70-YB-NAT 2.26-05 2.26-05 1 RES.PARAM.
 70-YB-168 2.26-05 2.26-05 1 RES.PARAM.
 70-YB-170 4.03-05 7.32-05 5 RES.PARAM.
 70-YB-171 0. 1.50-04 1 AV.RES.PARAM.
 70-YB-171 7.93-06 1.47-04 46 RES.PARAM.
 70-YB-172 1.41-04 1.41-04 1 RES.PARAM.
 70-YB-173 0. 1.30-04 1 AV.RES.PARAM.
 70-YB-173 4.53-06 1.30-04 37 RES.PARAM.

2267 PHYS. REV. 174, 1400 (1968) S.F.MUCHADGHAH, R.E.CHRIEN (BNL)
 TRANSMISSION MEASUREMENTS. AREA ANALYSIS. ASSUMED $G = 1/2$
 (FOR THE 000 ISOTOPES) AND GAMMA-GAMMA = 0.075 $\pm$ 0.007 EV.
 CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., 2,875 (1968)
 BULL. AM. PHYS. SOC. 10, 513 (1965)
 ENRICHED ISOTOPES

70-YB-NAT 2.53-08 2.53-08 1 TOTAL
 70-YB-168 5.97-07 2.25-05 2 RES.PARAM.
 70-YB-170 2.53-08 2.53-08 1 TOTAL
 70-YB-170 8.13-06 1.50-02 3 AV.RES.PARAM.
 70-YB-170 8.13-06 4.49-04 13 RES.PARAM.
 70-YB-171 2.53-08 2.53-08 1 TOTAL
 70-YB-171 7.93-06 1.50-02 3 AV.RES.PARAM.
 70-YB-171 7.93-06 2.25-04 30 RES.PARAM.
 70-YB-172 2.53-08 2.53-08 1 TOTAL
 70-YB-172 1.40-04 1.50-02 3 AV.RES.PARAM.
 70-YB-172 1.39-04 8.18-04 12 RES.PARAM.
 70-YB-173 2.53-08 2.53-08 1 TOTAL
 70-YB-173 4.51-06 1.50-02 3 AV.RES.PARAM.
 70-YB-173 4.51-06 2.10-04 28 RES.PARAM.
 70-YB-174 2.53-08 2.53-08 1 TOTAL
 70-YB-174 3.45-04 8.85-04 2 RES.PARAM.
 70-YB-176 2.53-08 2.53-08 1 TOTAL
 70-YB-176 1.49-04 5.78-03 2 AV.RES.PARAM.
 70-YB-176 1.48-04 2.18-03 7 RES.PARAM.

2268 NUCLEAR PHYS. 146, 337 (1970) S.J.FRIESENHAHN, M.P.FRICKC,
 D.G.COSTELLO, W.M.LOPEZ, A.O.CARLSON (GGA)
 TIME OF FLIGHT TECHNIQUE WITH A LARGE LIQUID SCINTILLATOR.
 AREA AND SHAPE ANALYSIS. G TAKEN TO BE 0.5 WHEN NOT KNOWN.
 ENRICHED ISOTOPES

64-GD-155 0. 1.83-04 4 AV.RES.PARAM.
 64-GD-155 3.61-06 1.83-04 118 RES.PARAM.
 64-GD-157 0. 1.84-04 4 AV.RES.PARAM.
 64-GD-157 1.62-05 1.84-04 51 RES.PARAM.

2269 PHYS. LETTERS 2, 296 (1962) J.KANTELE (U.ARKANSAS)
 COUNTED DECAY GAMMAS

70-YB-176 1.45-01 1.45-01 1 N,N'

2270 J. NUCLEAR ENERGY, PART A, 13, 35 (1960) A.H.BASTON,

71-LU-NAT 1.18-08 9.50-07 75 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-327 ***

REF.NO.#2270

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2270

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2270 J.C.LISLE, G.S.G.TUCKEY (AERE) TIME OF FLIGHT METHOD. SHAPE ANALYSIS	71-LU-175 71-LU-176	1.18-08 9.50-07 1.18-08 7.50-07	75 TOTAL 74 TOTAL
2271 IN-1083 PAGE 63 (1967) J.J.SCOVILLE, J.W.ROGERS (IDAHO NUC.)	71-LU-176	5.00-07 1.50+01	1 ABSORP RES.INT.
2272 J. INORG. NUCLEAR CHEM. 29, 885 (1967) D.R.NETHAWAY, B.MENDOZA (LRL LIVERMORE) ACTIVATION ANALYSIS. RELATIVE TO A CROSS SECTION OF 2100 BARNs FOR THE LU176(N,GAMMA)LU177(GROUND STATE) REACTION	71-LU-176	2.50-08 2.50-08	1 N.G SPECT.AV.
2273 NUCLEAR SCIENCE AND ENGINEERING 41, 177 (1970) J.D.CRAMER, H.C.BRITT (LASL) USE OF (T,PF) DATA ALONG WITH AN OPTICAL MODEL CALCULATION OF THE COMPOUND NUCLEUS FORMATION CROSS SECTION. RESULTS FOR A NEUTRON ENERGY BELOW 1.5 MEV ARE NOT USED, AS PER THE ARTICLE	90-TH-231 90-TH-233 92-U -237 92-U -239 94-PU-241 94-PU-243	1.50+00 2.00+00 1.5+00 2.00+00 1.50+00 2.25+00 1.50+00 2.25+00 1.50+00 2.25+00 1.50+00 2.00+00	3 N.FISS 3 N.FISS 4 N.FISS 4 N.FISS 4 N.FISS 3 N.FISS
2274 PRIVATE COMMUNICATION (1961) R.I.SCHERMER (BNL) DATA OBTAINED FROM NNCSC. NO METHOD GIVEN	72-HF-NAT	1.79-08 3.28-07	34 TOTAL
2275 PRIVATE COMMUNICATION (1966) M.HILLMAN (BNL) DATA OBTAINED FROM NNCSC. NO METHOD GIVEN. BASED ON AL-27 (N,ALPHA) CROSS SECTION = 115 MILLIBARNs	72-HF-174 72-HF-176 72-HF-180 72-HF-180	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	1 N.2N 1 N.2N 1 N.N 1 N.A
2276 WASH-1056 PAGE 99 (1965) T.FUKETA, J.E.RUSSELL, R.W.HOCKENBURY (RPI) TRANSMISSION MEASUREMENTS. AREA AND SHAPE ANALYSIS. ENRICHED ISOTOPES	72-HF-176 72-HF-177 72-HF-178 72-HF-179 72-HF-180	4.83-05 3.47-04 3.19-05 3.76-04 1.05-04 3.84-04 3.12-05 3.91-04 7.25-05 1.72-04	11 RES.PARAM. 70 RES.PARAM. 6 RES.PARAM. 45 RES.PARAM. 2 RES.PARAM.
2277 PHYS. REV. 15B, 1105 (1967) G.SCHARFF-GOLDHABER, M.MC KEOWN (BNL) RELATIVE TO AU197(N,GAMMA) CROSS SECTION OF 98.6 BARNs	72-HF-179 72-HF-180	2.50-08 2.50-08 2.50-08 2.50-08	1 N.G SPECT.AV. 1 N.G SPECT.AV.
2279 BULL. AM. PHYS. SOC. 11, 167 (1966) R.L.MACKLIN, J.H.GIBBONS (ORNL) GAMMA RAY TOTAL ENERGY DETECTOR	73-TA-NAT	3.00-02 3.14-01	4 N.G
2280 J. NUCLEAR ENERGY 21, 425 (1967) M.ADI8, M.ABU EL-ELA, M.SALAMA, A.ABEL-KAWY, I.HAMODA (EGYPT) MECHANICAL CHOPPER	73-TA-NAT	2.10-09 2.28-07	123 TOTAL
2281 BULL. AM. PHYS. SOC. 12, 106 (1967) R.C.MARTIN, P.F.YERGIN, R.H.AUGUSTSON, N.N.KAUSHAL, H.A.MEDICUS, E.J.WINHOLO (RPI) TIME OF FLIGHT METHOD	73-TA-NAT 74-W -182 74-W -184 74-W -186	7.00-01 1.50+01 7.00-01 1.50+01 7.00-01 1.50+01 7.00-01 1.50+01	565 TOTAL 547 TOTAL 558 TOTAL 482 TOTAL
2282 COMPT. REND. 249, 413 (1959) C.CORGE, V-D.HUYNH, J.JULIEN, S.MIRZA, F.NETTER, J.SIMIC (SACLAY) CAPTURE GAMMA RAY SPECTRA MEASUREMENTS. NEUTRON RESOLUTION OF 10 NSEC/M.	74-W -NAT 74-W -180 74-W -182 74-W -183	7.52-05 5.88-03 7.52-05 7.52-05 1.14-04 2.42-03 6.57-05 1.51-03	59 RES.PARAM. 1 RES.PARAM. 13 RES.PARAM. 36 RES.PARAM.
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION

*** 3-328 ***

REF.NO.=2282

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2282

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2282 BNL-325 2ND ED. SUPPL.2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS. BULL. AM. PHYS. SOC. 4, 472 (1959)	74-W -184 74-W -186 78-PT-NAT 78-PT-192 78-PT-194 78-PT-195 78-PT-198	1.02-04 2.42-03 1.71-04 7.25-04 5.39-05 4.50-03 5.39-05 5.80-04 7.00-04 7.00-04 6.75-05 1.47-03 9.61-05 9.61-05	13 RES.PARAM. 7 RES.PARAM. 74 RES.PARAM. 3 RES.PARAM. 1 RES.PARAM. 37 RES.PARAM. 1 RES.PARAM.
2283 COMPT. REND. 255, 1913 (1962) C.LE PIPEC, A.MICHAUDON, P.RIBON (SACLAY) SHAPE ANALYSIS. RESOLUTION WAS 5 NSEC/M FOR AU-197, AND 10 NSEC/M FOR W.	74-W -183 79-AU-197	7.62-06 7.62-06 7.63-05 7.63-05	1 RES.PARAM. 1 RES.PARAM.
2284 100-16781 PAGE 2 (1962) E.FAST, J.J.SCOVILLE (PHILLIPS) REACTIVITY MEASUREMENT. RELATIVE TO AU197 RI OF 1967 +- 40 B.	74-W -NAT 74-W -184 74-W -186	3.00-07 1.50-01 3.00-07 1.50-01 7.00-07 1.50-01	1 ABSORP RES.INT. 1 ABSORP RES.INT. 1 ABSORP RES.INT.
2285 NUCLEAF PHYS. 12, 552 (1959) F.W.K.FIRK, M.C.MOXON (AERE) TIME OF FLIGHT METHOD. AREA AND SHAPE ANALYSIS. RESOLUTION OF 10 NSEC/M.	74-W -NAT 74-W -182 74-W -183 74-W -183 74-W -184 74-W -186	1.00-04 1.92-04 1.14-04 1.14-04 0. 1.85-04 2.71-05 1.74-04 1.85-04 1.85-04 1.71-04 1.71-04	7 RES.PARAM. 4 RES.PARAM. 1 AV.RES.PARAM. 45 RES.PARAM. 4 RES.PARAM. 4 RES.PARAM.
2286 NUCLEAR SCIENCE AND ENGINEERING 26, 487 (1966) S.J.FRIESENHAIN, E.HADDAD, F.H.FROHNER, W.M.LOPEZ (GA) LARGE LIQUID SCINTILLATOR. SHAPE ANALYSIS CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., P.182 (1966) ENRICHED ISOTOPES	74-W -NAT 74-W -182 74-W -182 74-W -183 74-W -184 74-W -184 74-W -186	1.00-08 1.00-05 1.00-08 1.00-05 -3.07-05-3.07-05 1.00-08 1.00-05 1.00-08 2.42-06 -1.10-04-1.10-04 1.00-08 1.00-05	36 N.O 35 N.O 1 RES.PARAM. 33 N.O 29 N.O 1 RES.PARAM. 35 N.O
2287 COMPT. REND. 248, 2330 (1959) V-D.HUYNH, J.JULIEN, C.CORGE, F.NETTER, J.SIMIC (SACLAY) CAPTURE GAMMA RAY SPECTRA MEASUREMENTS	74-W -182 74-W -183 74-W -186	2.12-05 2.12-05 7.62-06 6.57-05 1.88-05 1.88-05	1 RES.PARAM. 6 RES.PARAM. 1 RES.PARAM.
2288 NUCLEAR PHYS. 12, 563 (1959) J.R.WATERS, J.E.EVANS, B.B.KINSEY, G.H.WILLIAMS (AERE) COMBINATION OF RESULTS FROM TRANSMISSION, ELASTIC SCATTERING AND CAPTURE GAMMA RAY MEASUREMENTS. AREA ANALYSIS	74-W -182 74-W -183 74-W -186	4.14-06 1.14-04 7.62-06 1.00-04 1.88-05 1.88-05	8 RES.PARAM. 15 RES.PARAM. 2 RES.PARAM.
2289 PHYS. REV. 100, 1414 (1955) H.H.LANDON (BNL) CRYSTAL SPECTROMETER. SHAPE ANALYSIS BNL-325 2ND ED. SUPPL.2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS.	74-W -182 77-IR-191 77-IR-193	4.14-06 4.14-06 6.54-07 9.90-06 1.30-06 1.30-06	3 RES.PARAM. 13 RES.PARAM. 5 RES.PARAM.
2290 CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, P.11.25(1971) J.I.FOWLER, C.H.JOHNSON, F.X.HAAS, R.M.FEEZEL (ORNL) L1-7(P,N) NEUTRON SOURCE. RESOLUTION WAS 2-4 KEV FOR CA40 AND ABOUT 5 KEV FOR D-15. SEE ALSO REF.3006 PHYS. REV. C, 8, 545 (1973)	8-D -16 8-O -16 20-CA-40	5.98-01 4.34+00 3.76+00 3.76+00 6.21-01 1.79+00	736 TOTAL 2 RES.PARAM. 1393 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-329 ***

REF.NO.=2290

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2291

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2291	BULL. AM. PHYS. SOC. 3, 176 (1958) F.B.SIMPSON, R.G.FLUHARTY (PHILLIPS) AREA ANALYSIS	74-W -183	2.70-05 1.02-04	3	RES.PARAM.
2292	BULL. AM. PHYS. SOC. 3, 177 (1958) J.A.HARVEY, O.G.SLAUGHTER, R.C.BLOCK (ORNL) FAST CHOPPER. COMPARISON OF TOTAL AND SCATTERING CROSS SECTIONS	74-W -183	2.71-05 1.02-04	2	RES.PARAM.
2293	BULL. AM. PHYS. SOC. 3, 19 (1958) R.E.CHRIEN, R.L.ZIMMERMAN (BNL) AREA ANALYSIS	74-W -183	2.70-05 4.60-05	2	RES.PARAM.
2294	A/CONF. 14, 294 (1958) J.R.BIRD (AERE) CAPTURE GAMMA RAY DETECTION SPINS DETERMINED FROM PRESENCE OR ABSENCE OF A STRONG GROUND STATE TRANSITION. NEUTRON RESOLUTION OF 50 NSEC/M.	74-W -183	7.60-06 6.50-05	5	RES.PARAM.
2295	J. PHYS. RADIUM 21, 426 (1960) C.CORGE, V-D.HUYNH, J.JULIEN, S.MIRZA, F.NETTER, J.SIMIC (SACLAY) CAPTURE GAMMA RAY DETECTION. WE HAVE GIVEN HERE THE J=0 RESULTS FOR THE 137.3 EV RESONANCE IN W183. NEUTRON RESOLUTION OF 5 NSEC/M.	74-W -183 78-PT-195 78-PT-195	2.70-05 1.57-04 1.00-04 2.20-04 1.13-04 3.04-04	48 1 60	RES.PARAM. AV.RES.PARAM. RES.PARAM.
2296	PHYS. REV. LETTERS 2, 505 (1959) D.J.HUGHES, M.K.BRUSSEL, J.O.FOX, R.L.ZIMMERMAN (BNL) CAPTURE GAMMA RAY MEASUREMENT	74-W -183	7.60-06 6.60-05	5	RES.PARAM.
2297	PHYS. REV. C, 1, 1501 (1970) K.J.WETZEL, G.E.THOMAS (ANL) LOW ENERGY CAPTURE GAMMA SPECTRA MEASUREMENT	42-MO-95 68-ER-167 76-OS-187 76-OS-189	4.51-05 5.54-04 2.03-05 2.74-05 9.50-06 1.26-05 6.71-06 6.47-03	4 4 2 12	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.
2298	ATOMNAYA ENERGIYA 19, 42 (1965) YU.YA.STAVISKI, A.V.SHAPAR, R.N.KRASNOKUTSKI (USSR) MEASURED PROMPT GAMMA RADIATION. RELATIVE TO THE U235 FISSION CROSS SECTION IN BNL-325 (1958)	75-RE-NAT	2.00-02 1.01-00	14	N,0
2299	J. NUCLEAR ENERGY, PARTS 1/8, 19, 767 (1965) D.C.STUPECIA, M.ECHMIDT, A.A.MADSON (ANL) PRIVATE COMMUNICATION (1965) VIA NNCSC. CAPTURE CROSS SECTION DETERMINED BY ACTIVATION METHOD	75-RE-NAT 75-RE-185 75-RE-187 75-RE-187	2.40-03 1.92+00 4.60-03 2.64+00 4.60-03 2.64+00 4.90-03 2.64+00	110 33 33 27	TOTAL N,0 N,0 N,0
2300	YAO. FIZ. 5, 16 (1967) A.A.DUZHININ, A.A.LBOV, L.P.BILIBIN (USSR) ACTIVATION METHOD. RELATIVE TO AL27(N,ALPHA) CROSS SECTION = 117 BARNS AT 14 MEV AND THE AU197(N,GAMMA) CROSS SECTION FOR FISSION SPECTRUM NEUTRONS	75-RE-NAT 75-RE-185 75-RE-185 75-RE-185 75-RE-187 75-RE-187 75-RE-187 75-RE-187	2.00+00 2.00+00 1.48+01 1.48+01 1.48+01 1.48+01 2.00+00 3.00+00 1.48+01 1.48+01 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00	2 1 1 2 1 1 1 2	N,0 N,2N N,2N SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-330 ***

REF.NO.=2300

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2301

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2301	CAN. J. PHYS. 44, 399 (1966) M.R.BHAT (CHALK R.) RESONANCE SCATTERING EXPERIMENTS. FAST CHOPPER	77-IR-191 77-IR-193	5.36-06 5.13-05 4.34-05 4.34-05	9 1	RES.PARAM. RES.PARAM.
2302	IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/103(1966) V.P.KOROLEVA, V.A.TOLSTIKOV, V.E.KOLESOV, A.G.DOVVENKO (USSR) ACTIVATION METHOD	77-IR-193	1.71-01 3.14+00	17	N.C.
2303	NUCLEAR PHYS. 14, 212 (1959) J.R.BIRD, J.R.WATERS (AERE) MEASUREMENT OF HIGH ENERGY GAMMA SPECTRA. NEUTRON RESOLUTION OF 50 NSEC/M. BNL-325 2ND ED. SUPPL.2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS. BULL. AM. PHYS. SOC. 4, 472 (1959)	78-PT-NAT 78-PT-192 78-PT-195 78-PT-198	5.40-05 5.68-04 4.70-05 5.40-05 1.96-05 4.50-04 9.80-05 9.80-05	15 2 15 1	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.
2304	BULL. AM. PHYS. SOC. 4, 34 (1959) M.K.BRUSSEL, J.D.FOX (BNL) CAPTURE GAMMA RAY SPECTRA MEASUREMENT SEE ALSO REFERENCE 2305	78-PT-195 80-HG-199 80-HG-201	1.19-05 6.80-05 3.30-05 2.64-04 4.30-05 4.41-04	3 3 3	RES.PARAM. RES.PARAM. RES.PARAM.
2305	BULL. AM. PHYS. SOC. 4, 472 (1959) M.K.BRUSSEL, H.L.ZIMMERMAN (BNL) CAPTURE GAMMA RAY SPECTRA MEASUREMENT	78-PT-195	1.96-05 2.90-04	19	RES.PARAM.
2306	NUCLEAR PHYS. 14, 693 (1959) J.E.DRAPER, C.O.BOSTROM (YALE) MEASUREMENT OF CAPTURE GAMMA RAY SPECTRA	78-PT-195	1.19-05 1.96-05	7	RES.PARAM.
2307	PHYS. REV. LETTERS 3, 376 (1959) L.M.BOLLINGER, R.E.COTE, T.J.KENNETT (ANL) CAPTURE GAMMA RAY SPECTRA MEASUREMENT. FAST CHOPPER. NEUTRON RESOLUTION OF 400 NSEC/M.	78-PT-195	1.20-05 6.80-05	3	RES.PARAM.
2308	PHYS. REV. 120, 2090 (1960) J.R.WATERS (AERE) SCATTERING MEASUREMENT RESULTS, COMBINED WITH TRANSMISSION DATA. AREA ANALYSIS. TRANSMISSION DATA HAD RESOLUTION OF 80 NSEC/M.	78-PT-195 78-PT-198	1.19-05 1.96-05 9.60-05 9.60-05	6 2	RES.PARAM. RES.PARAM.
2309	PHYS. REV. 132, 1640 (1963) L.M.BOLLINGER, R.E.COTE, R.T.CARPENTER, J.P.MARION (ANL) CAPTURE GAMMA RAY SPECTRA MEASUREMENT. FAST CHOPPER. NEUTRON RESOLUTION OF 100 NSEC/M. BNL-325 2ND ED. SUPPL.2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS. ANL-6072 PAGE 6 (1959) ANL-6797 PAGE 322 (1963) SEE ALSO REFERENCE 2019	74-W-180 74-W-183 78-PT-195 80-HG-199	1.59-05 7.50-05 7.60-05 6.50-05 1.19-05 1.89-04 1.30-04 1.10-04	2 5 10 1	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.
2310	NUCLEAR SCIENCE AND ENGINEERING 32, 30 (1968) L.GREEN (BETTS) MANGANESE SULPHATE BATH TECHNIQUE. CORRECTIONS MADE FOR ALL REACTIONS OF IMPORTANCE	4-BE-9	2.00+00 2.00+00	1	N.2N SPECT.AV.
2311	PHYS. REV. 115, 1693 (1959) E.C.SMITH, G.S.PAWLICKI, P.E.F.THURLOW, G.H.PARKER, W.J.MARTIN, G.E.CREEK, P.M.LANZ,	54-XE-135	1.05-08 3.25-07	77	TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-331 ***

REF.NO.=2311

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2311

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

- 2311 S. BERNSTEIN (ORNL)
FAST CHOPPER TIME OF FLIGHT TECHNIQUE
- 2312 NUCLEAR PHYS. 97, 187 (1967) M. DAKOWSKI, T. KROGULSKI,
E. PIASECKI, H. PIEKARZ, M. SOWINSKI (POLAND)
SEMICONDUCTOR SPECTROMETER. COMPARISON WITH THEORETICAL CALCULATIONS TO YIELD FINAL RESULTS
- 2313 PHYS. REV. 170, 1108 (1968) E. J. SHERA, M. F. BUNKER,
R. K. SMELLEY, S. W. VEGORS, JR. (LASL)
GAMMA RAY SPECTRA MEASUREMENTS WITH SI(LI) AND GE(LI)
SPECTROMETERS. RELATIVE TO A 99.8 BARNS CROSS SECTION FOR THE
Au197(N,GAMMA) REACTION
- 2314 NUCLEAR PHYS. 114, 663 (1968) L. HUSAIN, P. K. KURODA
(U. ARKANSAS)
NaI(TL) DETECTOR. SEE ARTICLE FOR THE ASSUMED GAMMA-RAY
BRANCHING
- 2315 NUCLEAR SCIENCE AND ENGINEERING 33, 16 (1968) G. E. STOKES,
R. P. SCHUMAN, O. D. SIMPSON (IDAHO NUCLEAR)
MTR FAST CHOPPER. SHAPE AND AREA ANALYSIS. GAMMA-GAMMA
ASSUMED TO BE 0.067 EV WHEN NOT DETERMINED. RESOLUTION VARIED
FROM 90 - 3500 NSEC/M.
100-16956 (1964)
- 2316 PHYS. REV. 166, 1173 (1968) H. HOCHI, T. E. WARD (U. ARKANSAS)
GAMMA-RAY SPECTROMETRY
- 2317 BULL. AM. PHYS. SOC. 12, 105 (1967) M. BEER, R. E. CHRIEN,
O. A. WASSON, M. R. BHAT, M. A. LOME, H. R. MUETHER (BNL)
GE(LI) DETECTOR. NATURAL ELEMENT AND ENRICHED ISOTOPES
- 2318 PRIVATE COMMUNICATION (1956) J. E. SANDERS (AERE)
NORMALIZED TO 2.10 AT 0.025 EV. DATA OBTAINED FROM NNCS. NO
METHOD GIVEN
- 2319 YAD. FIZ. 6, 488 (1967) V. P. ZUMMER (USSR)
THIS DATA IS A PRIVATE COMMUNICATION FROM A. A. PLEVE ET AL.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-332 ***

REF.NO.=2318

07/04/76

EC51L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. =2319

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2319 (1966) AND IS TO A SPONTANEOUSLY FISSIONING ISOMERIC LEVEL IN AM240. NO OTHER INFORMATION IS GIVEN AN ISOMERIC STATE ENERGY OF 1.7 MEV IS SUGGESTED BY THE AUTHORS.				
2320 PRIVATE COMMUNICATION (1962) W.G.CROSS (CHALK R.) DATA OBTAINED FROM NNCSC. NO METHOD GIVEN	28-NI-NAT	1.41+01 1.41+01	27	ELASTIC DIA)
2321 PRIVATE COMMUNICATION (1965) BARROWS (U.KENTUCKY) DATA OBTAINED FROM NNCSC. NO METHOD GIVEN	26-FE-56	1.83+00 2.43+00	3	N,N'
2322 J. NUCLEAR ENERGY 22, 387 (1968) M.G.SHAALAN, I.HAMOUA (EGYPT) THRESHOLD ACTIVATION TECHNIQUE	28-NI-58	2.0+00 2.00+00	1	N,P SPECT.AV.
2323 J. PHYS. SOC. JAPAN 18, 166 (1961) K.TSUKADA, S.TANAKA, M.MARUYAMA (JAPAN) TIME OF FLIGHT TECHNIQUE. VALUES IN REFERENCE CORRECTED VIA PRIVATE COMMUNICATION (1962)	22-TI-NAT 26-FE-NAT	3.44+00 4.81+00 3.44+00 4.81+00	5 5	ELASTIC DIA) ELASTIC DIA)
2324 PRIVATE COMMUNICATION (1955) D.J.HUGHES (BNL) TIME OF FLIGHT METHOD. DATA RECEIVED FROM NNCSC	81-TL-NAT	8.38-05 5.37-04	65	TOTAL
2326 PRIVATE COMMUNICATION (1967) P.KULISIC (ZAGREB) DATA OBTAINED FROM NNCSC. NO METHOD GIVEN	45-RH-103 57-LA-139 57-LA-139 65-TB-159 65-TB-159 83-BI-209	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	3 1 4 1 4 2	N.A DIA) N.A N.A DIA) N.A N.A DIA) N.A DIA)
2327 PHYS. REV. 96, 1014 (1954) V.L.SAILOR, H.H.LANDON, H.L.FOOTE JR. (BNL) CRYSTAL SPECTROMETER. SHAPE AND AREA ANALYSIS. ENRICHED ISOTOPES. SEE ALSO REFERENCE 2289 BNL-325 2ND ED. SUPPL. 2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCSC. RESOLUTION WAS 850 NSEC/M.	62-SM-147 62-SM-149 62-SM-150 65-TB-159 66-DY-161 66-DY-162 66-DY-163 67-MO-165 68-ER-NAT 68-ER-167 69-TM-169 70-YB-NAT 70-YB-168 70-YB-171 70-YB-173	3.43-06 1.91-05 9.78-08 1.72-05 2.11-05 2.11-05 3.37-06 1.14-05 2.73-06 1.95-05 5.49-06 5.49-06 1.72-06 1.68-05 3.96-06 3.90-05 1.04-06 5.56-05 4.70-07 2.75-05 3.92-08 1.76-05 1.51-07 2.94-05 5.97-07 5.97-07 8.09-08 1.31-05 4.55-06 1.82-05	2 8 1 4 9 1 2 5 77 5 3 96 3 2 2	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. TOTAL RES.PARAM. RES.PARAM. TOTAL RES.PARAM. RES.PARAM. RES.PARAM.
2328 NP-11874 (1962) P.A.KARAM, T.F.PARKINSON, F.J.MUNNO, E.E.MENCE (U.FLORIDA) ACTIVATION METHOD. RELATIVE TO AU197(N,2N) AU196(5 DAY) CROSS SECTION OF 1.722 BARNS	75-RE-187	1.41+01 1.41+01	1	N,2N
2329 NP-12335 (1962) R.A.KARAM, T.F.PARKINSON, M.F.PANCZYK	75-RE-185	1.41+01 1.41+01	2	N,2N

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-333 ***

REF. NO. =2329

07/04/76

ECSIL-7:00 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2329

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2329 (U.FLORIDA)

RELATIVE TO AU197(N,2N) AU196(5 DAY) CROSS SECTION OF 1.722
BARN2330 PRIVATE COMMUNICATION (1957) KIMBALL (ANL)
DATA OBTAINED FROM NNCSO. NO METHOD GIVEN

83-B1-209 2.20-01 2.20-01 1 TOTAL

2331 PRIVATE COMMUNICATION (1953) R.R.PALMER (ANL)
TIME OF FLIGHT. FOR GD, 0.181 GM/SQ.CM DATA USED BETWEEN 1.91
AND 2.99 EV. 0.813 GM/SQ.CM DATA USED BETWEEN 5.9 EV AND 6.9
EV AS WELL AS BETWEEN 15.1 EV AND 24.7 EV. REMAINING TARGET
THICKNESS DATA WAS FOR 5. GM/SQ.CM. DATA IS OLD AND SHOULD BE
USED WITH CARE. FOR GE, SAMPLE THICKNESS WAS 3.72 GM/SQ.CM32-GE-NAT 9.25-06 1.43-02 156 TOTAL
64-GD-NAT 6.60-07 2.74-03 294 TOTAL2332 AERE-N/R-1147 (1953) P.A.EGELSTAFF (AERE)
TIME OF FLIGHT TECHNIQUE

83-B1-209 8.70-10 8.35-08 69 TOTAL

2333 NUCLEAR SCIENCE AND ENGINEERING 7, 502 (1960) J.P.ROBERGE,
V.L.SAILOR (BNL)
CRYSTAL SPECTROMETER. SHAPE ANALYSIS71-LU-176 1.88-08 5.03-07 46 TOTAL
71-LU-176 1.42-07 1.42-07 7 RES.PARAM.2334 BARC-401 (1969) P.R.PRASAD (INDIA)
NAI(TL) WELL CRYSTAL
NUCLEAR PHYS. 125, 57 (1969) P.R.PRASAD, J.R.RAO, E.KONDAIAH
NUCLEAR PHYS. 138, 85 (1969)
NUCLEAR PHYSICS SYMPOSIUM, KANPUR, PAGE 355 (1967)13-AL-27 1.42+01 1.42+01 1 N,P
33-AS-75 1.42+01 1.42+01 1 N,2N
33-AS-75 1.42+01 1.42+01 1 N,P
33-AS-75 1.42+01 1.42+01 1 N,P
33-AS-75 1.42+01 1.42+01 1 N,A
60-ND-142 1.42+01 1.42+01 1 N,2N
60-ND-142 1.42+01 1.42+01 1 N,2N
60-ND-144 1.42+01 1.42+01 1 N,A
60-ND-148 1.42+01 1.42+01 1 N,2N
62-SM-144 1.42+01 1.42+01 2 N,2N
62-SM-148 1.42+01 1.42+01 2 N,P
63-EU-151 1.42+01 1.42+01 1 N,A
63-EU-153 1.42+01 1.42+01 1 N,2N
63-EU-153 1.42+01 1.42+01 1 N,2N
64-GD-156 1.42+01 1.42+01 1 N,A
64-GD-158 1.42+01 1.42+01 1 N,A
64-GD-160 1.42+01 1.42+01 1 N,2N
65-TB-159 1.42+01 1.42+01 1 N,2N
65-TB-159 1.42+01 1.42+01 1 N,P
67-HU-165 1.42+01 1.42+01 1 N,A
68-ER-162 1.42+01 1.42+01 1 N,2N2335 BULL. AM. PHYS. SOC. 8, 320 (1963) A.H.ARMSTRONG, L.ROSEN,
G.M.FRYE, JR. (LASL)
MEASUREMENT OF ENERGY AND ANGULAR DISTRIBUTIONS3-L1-6 1.40+01 1.40+01 1 ELASTIC
3-L1-6 1.40+01 1.40+01 1 NONELAS
3-L1-6 1.40+01 1.40+01 1 EMISS
3-L1-6 1.40+01 1.40+01 1 N,2N
3-L1-7 1.40+01 1.40+01 1 ELASTIC
3-L1-7 1.40+01 1.40+01 1 EMISS2336 NUCLEAR PHYS. 113, 65 (1966) J.M.KOOTSEY (BROWN U.)
PROPORTIONAL COUNTER-SCINTILLATOR TELESCOPE

1-H -3 1.41+01 1.41+01 7 ELASTIC DIA)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-234 ***

REF.NO.=2336

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2337

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2337	PHIL. MAG. 1, 261 (1956) L.E.BEGHIAN, D.A.HICKS, B.MILMAN (CLARENDON, OXFORD) NEUTRON SPECTRA MEASUREMENT	25-MN-55	2.50+00 2.50+00	3	N,N'
2338	UKR. FIZ. ZH. 9, 577 (1964) I.A.KORZH, M.T.SKLYAR, I.A.TOTSKII (USSR) WE HAVE CONVERTED ANGULAR DISTRIBUTIONS TO THE CM SYSTEM	14-SI-NAT 14-SI-NAT 24-CR-NAT 24-CR-NAT 40-ZR-NAT 40-ZR-NAT 82-PB-NAT 82-PB-NAT 83-BI-209 83-BI-209	3.00-01 8.00-01 3.00-01 8.00-01 3.00-01 8.00-01 3.00-01 8.00-01 3.00-01 5.00-01 3.00-01 5.00-01 3.00-01 3.00-01 3.00-01 3.00-01 3.00-01 3.00-01 3.00-01 3.00-01	3 24 3 24 2 16 1 8 1 8	ELASTIC ELASTIC D(A) ELASTIC ELASTIC D(A) ELASTIC ELASTIC D(A) ELASTIC ELASTIC D(A) ELASTIC ELASTIC D(A)
2339	UKR. FIZ. ZH. 11, 563 (1966) I.A.KORZH, V.O.MITCHENKO, N.M.PRAVDIVII, V.P.PRIMODIKO, M.T.SKLYAR, I.A.TOTSKII (USSR) WE HAVE CONVERTED ANGULAR DISTRIBUTIONS TO THE CM SYSTEM	22-TI-NAT 22-TI-NAT 27-CO-59 27-CO-59	3.00-01 5.00-01 3.00-01 5.00-01 5.00-01 8.00-01 5.00-01 8.00-01	2 16 2 16	ELASTIC ELASTIC D(A) ELASTIC ELASTIC D(A)
2340	NUCLEAR PHYS. 112, 513 (1968) P.DECOMSKI, W.GROCHULSKI, A.MARCINKOWSKI, K.SIMEK, I.SLEDZINSKA, Z.WILHELM (POLAND) IRRADIATION MEASUREMENT. COUNTED ANNIHILATION GAMMA RAYS. RELATIVE TO A CUB5(N,2N) CROSS SECTION AT 14.5 MEV ALSO SEE REF. 1909.	27-CO-59 27-CO-59 28-NI-58 28-NI-58	1.25+01 1.82+01 1.25+01 1.82+01 1.95+00 1.70+01 1.85+00 1.76+01	14 13 16 20	N,2N N,2N C/S RATIO N,P N,P C/S RATIO
2341	NUCLEAR PHYS. 95, 320 (1967) R.L.CLARKE, W.C.CROSS (CHALK R.) TIME OF FLIGHT TECHNIQUE. MULTIPLE SCATTERING CORRECTIONS, ETC. MADE	28-NI-NAT 28-NI-NAT 28-NI-NAT 40-ZR-NAT 40-ZR-NAT	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 33 18 12 15	ELASTIC ELASTIC D(A) N,N' ELASTIC D(A) N,N'
2342	PRIVATE COMMUNICATION (1959) E.G.BILPUCH (DUKE) DATA OBTAINED FROM NNCS. NO METHOD GIVEN	17-CL-NAT 17-CL-35 17-CL-37 46-PD-NAT 47-AO-NAT	2.55-02 9.40-02 1.50-02 1.84-01 8.50-03 1.93-01 5.00-03 2.95-01 5.00-03 1.95-01	7 17 8 61 39	RES.PARAM. RES.PARAM. RES.PARAM. TOTAL TOTAL
2343	PRIVATE COMMUNICATION (1956) H.MARSHAX (DUKE) DATA OBTAINED FROM NNCS. NO METHOD GIVEN	39-Y -89	6.50-03 2.05-02	25	TOTAL
2344	PHYS. REV. 166, 1111 (1968) M.R.BHAT, R.E.CHRIEN, O.A.WASSON, M.BEER, H.A.LONE (BNL) MEASUREMENT OF GAMMA-RAY ENERGIES, INTENSITIES AND ANGULAR DISTRIBUTIONS. NATURAL ELEMENT AND ENRICHED ISOTOPES	50-SN-117 50-SN-118 50-SN-120 50-SN-124	3.88-05 3.88-05 4.58-05 4.58-05 4.26-04 4.26-04 6.18-05 6.19-05	1 1 1 1	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.
2345	ACTA PHYSICA ACAD. SCI. HUNGARICAE 28, 257 (1970) M.DIKSIC, P.STROHAL, G.PETO, P.BORNEHISZA-PAUSPERTL, I.HUNYADI, J.KAROLYI (HUNGARY) SOURCE D(D,N) ACTIVATION. NORMALIZED TO 325(N,P)=0.110 +- 0.010 B. CORRECTED FOR EFFICIENCY	29-CU-63 32-GE-74 32-GE-74 33-AS-75 34-SE-80 35-BR-81	3.00+00 3.00+00 3.00+00 3.00+00 3.00+00 3.00+00 3.00+00 3.00+00 3.00+00 3.00+00 3.00+00 3.00+00	1 1 1 1 2 1	N,0 N,0 N,0 N,0 N,0 N,0

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-335 ***

REF.NO.=2345

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2345

REF BIBLIOGRAPHY

2345

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
52-TS-130	3.00+00 3.00+00	1	N,G
59-PR-141	3.00+00 3.00+00	1	N,G
59-PR-141	3.00+00 3.00+00	1	N,G
74-W-185	3.00+00 3.00+00	1	N,G
83-BI-209	3.00+00 3.00+00	1	N,G

2346 NUCLEAR PHYS. 29, 522 (1962) O.N.KAUL (INDIA)
EMULSION TECHNIQUE

33-AS-75 1.40+01 1.40+01 18 N,A D(A)

2348 NEUTRON PHYSICS CONF., KARLSRUHE, PAGE 112 (1963)
W.BIEL, W.KOMENDA, H.NOHADANI (GERMANY)
DATA OBTAINED FROM NNCSC, NO METHOD GIVEN

46-PD-NAT 1.20-06 1.00-05 25 TOTAL

2349 NRCC-102 (1957) S.J.COCKING (HARWELL)
DATA OBTAINED FROM NNCSC

36-KR-NAT 1.20-08 1.13-01 63 TOTAL

2350 PHYS. LETTERS 27, 328 (1968) L.W.JONES, M.J.LONGO,
J.R.O'FALLON, M.N.KREISLER (BNL)
GOOD GEOMETRY ATTENUATION MEASUREMENT

4-BE-9	2.70+04 2.70+04	1	TOTAL
6-C -NAT	2.70+04 2.70+04	1	TOTAL
13-AL-27	2.70+04 2.70+04	1	TOTAL
26-FE-NAT	2.70+04 2.70+04	1	TOTAL
28-CU-NAT	2.70+04 2.70+04	1	TOTAL
74-W -NAT	2.70+04 2.70+04	1	TOTAL
82-PB-NAT	2.70+04 2.70+04	1	TOTAL
92-U -NAT	2.70+04 2.70+04	1	TOTAL

2351 PHYS. REV. 176, 1405 (1968) F.T.KUCHNIR, A.J.ELWYN,
J.E.MONAHAN, A.S.LANDSDORF, JR., F.P.HODRINO (ANL)
CORRECTED FOR FINITE ANGULAR RESOLUTION, MULTIPLE SCATTERING
AND INELASTIC NEUTRONS. NORMALIZED TO POLYETHYLENE

48-CD-NAT	1.00+00 1.00+00	6	ELASTIC D(A)
74-W -NAT	6.40-01 1.20+00	17	ELASTIC D(A)
79-AU-197	6.00-01 1.60+00	31	ELASTIC D(A)
82-PB-NAT	6.40-01 6.40-01	6	ELASTIC D(A)
90-TH-232	6.00-01 1.60+00	31	ELASTIC D(A)
92-U -NAT	6.00-01 1.60+00	31	ELASTIC D(A)

2352 NUCLEAR PHYS. 123, 24 (1969) G.D.JAMES (AERE)
TIME OF FLIGHT TECHNIQUE. AREA ANALYSIS, USING TRANSMISSION
DATA FROM REFERENCE 1218. GAMMA-GAMMA ASSUMED TO BE 0.027 EV.
THE GIVEN ERRORS ON THE NEUTRON AND FISSION WIDTHS ARE THE
LARGEST VALUES OF THE SYSTEMATIC AND STATISTICAL ERRORS
AERE-R-5924 (1968)

94-PU-242 7.67-04 2.96-02 7 RES.PARAM.

2353 ATOMNAYA ENERGIYA 25, 527 (1968) S.D.YERMAGAMBETOV,
G.N.SMIRENKIN (USSR)
RELATIVE TO THE FISSION CROSS SECTION OF U235 AND U238. GLASS
FISSION FRAGMENT DETECTORS

94-PU-238	5.00-01 1.69+01	20	N,FISS
94-PU-238	2.50-08 2.50-08	1	N,FISS SPECT.AV.

2354 AFWL-TR-68-134 (1969) R.C.BARRALL, J.A.HOLMES, M.SILBERGELD
(STANFORD U.)
MEASURED DISINTEGRATION RATES AND FROM THESE DEDUCED THE
CROSS SECTIONS. RELATIVE TO AL27(N,ALPHA) CROSS SECTIONS

9-F -19	1.46+01 1.46+01	1	N,2N
11-NA-23	1.46+01 1.46+01	1	N,2N
12-MG-24	1.46+01 1.46+01	1	N,P
13-AL-27	1.47+01 1.47+01	1	N,A
16-S -32	1.46+01 1.48+01	3	N,P
16-S -34	1.46+01 1.46+01	1	N,A
17-CL-35	1.46+01 1.46+01	1	N,A
25-MN-55	1.46+01 1.46+01	1	N,2N

REF BIB.

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-335 ***

REF.NO.=2354

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2354

REF BIBLIOGRAPHY

2354

TARGET EN. RANGE (MEV) PTS DESCRIPTION

26-FE-54 1.46+01 1.46+01 2 N,P
 26-FE-56 1.46+01 1.46+01 2 N,P
 27-CO-59 1.46+01 1.46+01 1 N,2N
 28-NI-58 1.46+01 1.46+01 3 N,2N
 28-NI-59 1.46+01 1.46+01 3 N,P
 28-NI-59 1.46+01 1.47+01 2 ACTIVAT
 29-CU-63 1.46+01 1.46+01 1 N,A
 29-CU-65 1.46+01 1.46+01 1 N,2N
 30-ZN-64 1.46+01 1.46+01 1 N,P
 40-ZR-90 1.46+01 1.46+01 1 N,2N
 49-IN-115 1.46+01 1.46+01 3 N,N'
 49-IN-115 1.4+01 1.47+01 2 N,2N
 53-I -127 1.46+01 1.46+01 2 N,2N
 78-AU-197 1.46+01 1.46+01 1 N,2N
 90-TH-232 1.46+01 1.46+01 2 N,FISS
 92-U -238 1.46+01 1.46+01 2 N,FISS

2355 IEEE TRANSACTIONS ON NUCLEAR SCIENCE, NS-14(2), 1 (1967)
 C.S.SU, F.A.WHITE (RP1)
 MASS SPECTROMETER

68-ER-167 2.53-08 2.53-08 1 N,0
 68-ER-167 2.50-08 2.50-08 1 N,0 SPECT.AV.

2356 NUCLEAR SCIENCE AND ENGINEERING 36, 109 (1969) W.N.MC ELROY
 (LATELLE NM.)
 SAND-2 MULTIPLE SOIL ACTIVATION TECHNIQUE. TEMPERATURE CALCU-
 LATED FROM $T=2E/3$ WHERE E, THE AVERAGE ENERGY WAS 2.24 MEV

92-U -235 2.50-08 2.50-08 1 NUCLEAR TEMP.

2357 DELAYED FISSION NEUTRONS. VIENNA, PAGE 147 (1968) O.HERRMANN
 (GERMANY)
 ABSOLUTE DELAYED YIELDS OBTAINED BY COMPARISON OF NEUTRON AND
 FISSION RATES. REFERENCED TO U235 THERMAL

90-TH-232 1.40+01 1.40+01 1 NU-DLAY
 92-U -238 1.40+01 1.40+01 1 NU-DLAY

2358 UCRL-72080 (1969) J.B.CZIRR, J.S.LINDSEY (LRL LIVERMORE)
 DEUTERATED-BENZENE-BASED LIQUID SCINTILLATOR. TIME OF FLIGHT
 TECHNIQUE. VALUES QUOTED ARE THE RATIO OF AVERAGE CAPTURE
 CROSS SECTIONS TO AVERAGE FISSION CROSS SECTIONS
 TRANS. AM. NUCLEAR SOC. 12, 261 (1969)
 WASH-1127 PAGE 106 (1969)
 UCID-15458 (1969)
 WASH-1136 PAGE 97 (1969)

92-U -235 1.50-04 1.13-02 15 ALPHA SPECT.AV.
 94-PU-239 1.00-04 2.86-02 314 N,F,2S
 94-PU-239 1.00-04 2.86-02 304 N,0
 94-PU-239 6.95-06 2.86-02 1130 ALPHA
 94-PU-239 1.50-04 2.53-02 17 N,FISS SPECT.AV.
 94-PU-239 1.50-04 2.53-02 17 N,0 SPECT.AV.
 94-PU-239 3.00-07 2.70-02 33 ALPHA SPECT.AV.

2359 HELV. PHYS. ACTA 42, 225 (1969) P.P.BDSCHUNG, ST.GAGNEUX,
 B.HOOP,JR., P.HUBER, Z.LEWANDOWSKI, R.HAGNER (SWITZERLAND)
 TIME OF FLIGHT TECHNIQUE
 EANDC(OR)-75L PAGE 3 (1968)

90-TH-230 1.47+01 1.47+01 1 NUCLEAR TEMP.
 92-U -238 1.47+01 1.47+01 1 NUCLEAR TEMP.

2360 INDC-260E PAGE 16 (1969) O.A.SAL'NIKOV, G.N.LOVCHIKOVA,
 G.V.KOTEL'NIKOVA, V.I.MOROKA, A.M.TRUFANOV, N.I.FETISOV,
 A.A.IVANOV (USSR)
 TIME OF FLIGHT SPECTROMETER

26-FE-NAT 1.43+01 1.43+01 2 NUCLEAR TEMP.
 29-CU-NAT 1.43+01 1.43+01 2 NUCLEAR TEMP.
 41-NB-93 1.43+01 1.43+01 2 NUCLEAR TEMP.
 90-TH-232 1.43+01 1.43+01 2 NUCLEAR TEMP.
 92-U -238 1.43+01 1.43+01 2 NUCLEAR TEMP.

2361 ATOMNAYA ENERGIYA 25, 530 (1968) L.I.PROKHOROVA,

94-PU-242 -6.36+00 -6.36+00 1 NU-PRMT

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-337 ***

REF.NO.=2361

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2361 G.N.SMIRENKIN, YU.M.TURCHIN (USSR) INDC-260E PAGE 38 (1969) PULSE COINCIDENCE COUNTING TECHNIQUE. RELATIVE TO NU(CM244) = 2.711			
2362 INDC-260E PAGE 82 (1969) S.M.KALEBIN, P.N.PALEY, P.I.IVANOVA, Z.K.KARALOVA, G.M.KUKAVADZE, Z.I.PYZHOVA, G.V.RUKOLAIN (USSR) MECHANICAL CHOPPER ATOMNAYA ENERGIYA 26, 507 (1969)	90-TH-230 90-TH-230 90-TH-230 90-TH-230 90-TH-230	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 0. 6.00-04 -7.50-08 5.63-04	1 TOTAL 1 ELASTIC 1 N.O 2 AV.RES.PARAM. 64 RES.PARAM.
2363 INDC-260E PAGE 94 (1969) L.M.BELOV, M.V.BLINOV, N.M.KAZARINOV, A.S.KRIVOKHATSKII, A.N.PROTOPOPOV (USSR) YAD. FIZ. 9, 727 (1969)	94-PU-239 94-PU-239 94-PU-242 94-PU-242 96-CM-244 96-CM-244	2.50-08 2.53-08 2.50-08 2.50-08 -6.36+00-6.35+00 -6.36+00-6.35+00 -6.86+00-6.85+00 -6.86+00-6.85+00	18 N,F1SS DIE) 1 NUCLEAR TEMP. 19 N,F1SS DIE) 1 NUCLEAR TEMP. 24 N,F1SS DIE) 1 NUCLEAR TEMP.
2364 REV. MOD. PHYS. 39, 546 (1967) T.L.HOUK, R.WILSON (HARVARD U) TIME OF FLIGHT MEASUREMENT REV. MOD. PHYS. 40, 672 (1969)	1-H-1	2.53-08 2.53-08	1 FREE
2365 NUCLEAR PHYS. 104, 677 (1967) Y.-C.HSU, C.Y.HUANG, C.C.CHANG (TAIWAN) CLOUD CHAMBER. THE 3.765 MEV LEVEL IS THE CONTRIBUTION FROM THE UNRESOLVED LEVELS BETWEEN 3.68 AND 3.85 MEV. DATA RECEIVED VIA PRIVATE COMMUNICATION FROM IAEA CHINESE J. PHYS. 6, 119 (1968) Y.-C.HSU, C.Y.HUANG, S.-Y.LIN, M.-C.CHOUE, Y.-C.HSU CHINESE J. PHYS. 5, 33 (1967)	8-O-16 8-O-16	1.41+01 1.41+01 1.41+01 1.41+01	3 N,A 51 N,A D(A)
2366 NUCLEAR PHYS. 139, 42 (1969) A.ABBOUD, P.DECOWSKI, W.GROCHULSKI, A.MARCINKOWSKI, J.PIOTROWSKI, K.SIWEK, Z.WILHELM (POLAND) ACTIVATION TECHNIQUE. RELATIVE TO CU65(N,2N) CROSS SECTIONS PROC. INT. CONF. ON NUCLEAR STRUCTURE. TOKYO, P.365 (1967) INP-543/PL PAGE 28 (1967) P.DECOWSKI, W.GROCHULSKI, A.MARCINKOWSKI, K.SIWEK, I.SLEDZINSKA, Z.WILHELM	34-SE-74 34-SE-74 40-ZR-90 40-ZR-90 42-MO-92 42-MO-92	1.37+01 1.75+01 1.37+01 1.75+01 1.35+01 1.81+01 1.35+01 1.81+01 1.27+01 1.75+01 1.37+01 1.82+01	9 N,2N 9 N,2N C/S RATIO 13 N,2N 13 N,2N C/S RATIO 13 N,2N 12 N,2N C/S RATIO
2367 NUCLEAR PHYS. 96, 476 (1967) G.PAIC, D.RENDIC, P.TOMAS (ZAGREB) COUNTER TELESCOPE	4-BE-9 4-BE-9	1.44+01 1.44+01 1.44+01 1.44+01	1 N,A 13 N,A D(A)
2368 INDIAN J. PHYS. CALCUTTA 41, 752 (1967) B.MITRA (INDIA) ACTIVATION ANALYSIS. RELATIVE TO THE CU63(N,2N) CROSS SECTION EQUALS 530 MILLIBARNS	15-P-31 30-ZN-64 31-GA-69 47-AG-107	1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01	1 N,2N 1 N,2N 1 N,2N 1 N,2N
2369 ACTA PHYSICA ACAD. SCI. HUNGARICAE 24, 93 (1968) G.PETO, P.BORNEHISZA-PAUSPERTIL, J.KAROLYI (CEBRECEN)	17-CL-35 17-CL-35 19-K-39 19-K-39	1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.34+01 1.50+01	1 N,2N 1 N,2N 1 N,2N 5 N,2N

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO. #2369

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2369	59-PR-141	1.50+01 1.50+01	1 N,2N
2370 NUCLEAR PHYS. 124, 369 (1969) S.M. GRIMES (U.WISC.) TIME OF FLIGHT SIMULTANEOUS MEASUREMENT OF ALL EXCITATION FUNCTIONS. CORRECTED FOR ROOM RETURN, MULTIPLE SCATTERING AND SAMPLE THICKNESS. THERE IS ALSO, H.H. BARSCALL'S PRIVATE COM- MUNICATION OF 1968 VIA NNCS	14-SI-NAT 14-SI-NAT 14-SI-28 14-SI-28	4.75+00 1.40+01 6.64+00 1.40+01 6.64+00 1.34+01 6.64+00 1.34+01	311 TOTAL 508 ELASTIC D(A) 485 N,P 910 N,A
2371 NUCLEAR PHYS. 115, 476 (1968) K.C. CHUNG, D.E. VELKLEY, J.O. BRANDENBERGER, M.T. MC ELLISTREM (U.KENTUCKY) RELATIVE TO THE FE55(N,GAMMA) CROSS SECTION. INELASTIC CROSS SECTION CALCULATED FROM GAMMA PRODUCTION CROSS SECTION AND BRANCHING RATIOS	13-AL-27 13-AL-27	3.50+00 3.50+00 3.50+00 3.50+00	5 N,N' 5 N,XG
2372 PHYS. REV. 168, 1114 (1968) G.L. MORGAN, R.L. WALTER (DUKE U.) HE-GAS SCINTILLATION COUNTER PHYS. REV. C, 2, 2034 (1970)	2-HE-NAT 2-HE-NAT	2.02-01 7.01+00 2.02-01 7.01+00	22 ELASTIC 974 ELASTIC D(A)
2373 PRIVATE COMMUNICATION (1968) F.J. VAUGHN (LOCKHEED, PALO ALTO) DATA OBTAINED FROM NNCS. NO METHOD GIVEN	8-O -18	2.05-01 9.79-01	45 N,G
2374 PRIVATE COMMUNICATION (1961) D.G. MILLER (KAPL) COUNTED 2.14 MEV GAMMA FOLLOWING BE-11 DECAY. RELATIVE TO AL-27(N,ALPHA) CROSS SECTION = 120 MILLIBARNS AND AL-27(N,P) CROSS SECTION = 30 MILLIBARNS	5-B -11	1.40+01 1.40+01	1 N,P
2375 PRIVATE COMMUNICATION (1961) M.H. MC TAGGART, H. GOODFELLOW (AWRE) SPHERE MULTIPLICATION	3-LI-6 3-LI-7	1.40+01 1.40+01 1.40+01 1.40+01	N,2N 1 N,2N
2376 NUCLEAR PHYS. 127, 149 (1969) M. HOLMBERG, L.C. STROMBERG, L. WALLIN (SWEDEN) TIME OF FLIGHT TECHNIQUE. RELATIVE TO THE DIFFERENTIAL ELASTIC SCATTERING CROSS SECTION FOR CARBON. DATA CORRECTED FOR MULTIPLE SCATTERING. CROSS SECTION REPORTED IS 4 PI TIMES DIFFERENTIAL CROSS SECTION AT 100 DEGREES. RESULTS FOR THE 800 KEV AND 1.1 MEV LEVELS ARE ACTUALLY TOTAL CONTRIBUTIONS FROM UNRESOLVED LEVELS AT THESE ENERGIES	90-TH-232 90-TH-232	1.05+00 2.20+00 1.85+00 2.20+00	30 N,N' 6 N,N'
2377 PHYS. REV. 80, 1014 (1950) S.P. HARRIS, C.T. HIBDON, C.O. MUEHLHAUSE (ANL) TRANSMISSION AND SELF-INDICATION MEASUREMENT. AREA ANALYSIS	25-MN-55	3.45-04 2.40-03	5 RES. PARAM.
2378 YAD. FIZ. 10, 726 (1969) P.E. VOROTNIKOV, S.M. DUBROVINA, G.A. OTROSHCHENKO, L.V. CHISTYAKOV, V.A. SHIGIN, V.M. SHUBKO (USSR) GLASS PLATE TECHNIQUE	97-BK-249 98-CF-249	5.00+00 5.00+00 5.00-01 5.00-01	1 N,FISS 1 N,FISS
2379 PHYS. LETTERS 13, 234 (1964) R.C. BLOCK (AERE) TRANSMISSION MEASUREMENT. AREA ANALYSIS. RESOLUTION OF 3 NSEC/M.	26-VE-56	1.14-03 1.14-03	4 RES. PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-339 ***

REF.NO. #2379

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 2380

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2380 AERE-PR/NP-6 PAGE 15 (1964) M.C.MOXON, C.M.CHAFFEY (AERE)	26-FE-56	1.18-03 1.18-03	2 RES.PARAM.
2381 INDC-250E PAGE 51 (1969) YU.V.ADAMCHUK, V.S.ZENKEVICH, S.S.MOSKALEV, G.V.MURADYAN, YU.G.SHCHEPKIN (USSR)	50-SN-117	0. 0.	1 POT.SCT
TRANSMISSION, CAPTURE AND SELF-INDICATION MEASUREMENTS. AREA ANALYSIS. ENRICHED ISOTOPE. BEST RESOLUTION OF 4 NSEC/M. YAD. FIZ. 10, 18 (1969)	50-SN-117	0. 1.00-03	1 AV.RES.PARAM.
	50-SN-117	1.32-06 2.97-03	74 RES.PARAM.
2382 NUCLEAR SCIENCE AND ENGINEERING 17, 319 (1963) A.P.JAIN, R.E.CHRISTEN, J.A.MOORE, H.PALEVSKY (BNL)	27-CO-59	1.32-04 1.32-04	4 RES.PARAM.
FAST CHOPPER. AREA ANALYSIS			
2383 BULL. AM. PHYS. SOC. 6, 274 (1960) R.C.BLOCK, F.C.VON DER LAGE, L.H.WESTON (ORNL)	27-CO-59	1.32-04 1.32-04	1 RES.PARAM.
FAST CHOPPER. CAPTURE MEASUREMENT. NEUTRON RESOLUTION OF 170 NSEC/M.			
2384 BULL. AM. PHYS. SOC. 4, 42 (1959) P.D.MILLER, W.M.GOOD, J.H.GIBBONS, J.H.NEILER (ORNL)	21-SC-45	1.89-02 4.00-02	8 RES.PARAM.
ORNL-2718 PAGE 22 (1959)	21-SC-45	3.24-03 1.17-02	7 RES.PARAM.
DATA OBTAINED BY PRIVATE COMMUNICATION	23-V -51	6.50-03 6.50-03	1 RES.PARAM.
ORNL-2610 PAGE 19 (1958) P.D.MILLER, J.H.GIBBONS, W.M.GOOD, R.L.MACKLIN	26-FE-57	3.90-03 1.27-02	5 RES.PARAM.
BNL-325 2ND ED. SUPPL.2 (1965)	30-ZN-66	1.12-02 3.08-02	5 RES.PARAM.
FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS.	30-ZN-68	2.08-02 2.08-02	1 RES.PARAM.
SEE ALSO REFERENCE 924 FOR CU63 RESULTS. SEE ALSO REFERENCE 1850 FOR CO-59 AND GE ISOTOPES. ENRICHED ISOTOPES			
2385 ANL-7567 (1969) G.G.SHERWOOD, A.B.SMITH, J.F.WHALEN (ANL)	62-SM-NAT	3.01-01 1.49-00	347 TOTAL
TIME OF FLIGHT. ALL DATA CORRECTED FOR MULTIPLE SCATTERING. VALUES ARE RELATIVE TO THE DIFFERENTIAL CROSS SECTION OF C REPORTED IN ANL-5567 (REV.), WHICH IS OUR REFERENCE 231	62-SM-NAT	3.03-01 1.50+00	55 ELASTIC
NUCLEAR SCIENCE AND ENGINEERING 39, 67 (1970)	62-SM-NAT	5.20-01 1.50+00	112 N.N'
	62-SM-NAT	3.03-01 1.50+00	229 ELASTIC LEGEND.COEF
	64-GD-NAT	1.00-01 1.49+00	709 TOTAL
	64-GD-NAT	3.00-01 1.50+00	75 ELASTIC
	64-GD-NAT	3.20-01 1.50+00	90 N.N'
	64-GD-NAT	3.00-01 1.50+00	260 ELASTIC LEGEND.COEF
	72-HF-NAT	1.04-01 1.49+00	444 TOTAL
	72-HF-NAT	3.00-01 1.50+00	42 ELASTIC
	72-HF-NAT	3.20-01 1.51+00	147 N.N'
	72-HF-NAT	1.00-01 1.50+00	187 ELASTIC LEGEND.COEF
2386 PRIVATE COMMUNICATION (1961) A.R.OSBORN, H.W.WILSON (AMRE)	3-LI-7	1.40+01 1.40+01	1 N.N'T
COUNTED TRITIUM BETAS			
2387 IAEA CONF. ON NUCLEAR DATA. PARIS. PAPER CN-23/107(1965)	47-AG-107	3.50-05 9.90-04	1455 N.G
G.V.MURADYAN, YU.V.ADAMCHUK (USSR)	47-AG-107	0. 9.00-04	2 AV.RES.PARAM.
INDC-260E PAGE 58 (1969)	47-AG-107	1.63-05 9.14-04	59 RES.PARAM.
THE 1969 REFERENCE INCLUDES RESULTS OF MEASUREMENTS MADE IN 1968. ENRICHED ISOTOPES	47-AG-109	3.50-05 9.90-04	1455 N.G
	47-AG-109	0. 9.00-04	2 AV.RES.PARAM.
	47-AG-109	5.20-06 9.02-04	64 RES.PARAM.
2388 IAEA CONF. ON NUCLEAR DATA. PARIS. PAPER CN-23/99 (1965)	47-AG-NAT	2.90-02 1.38-01	18 N.G

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF. NO. = 2388

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2388

REF BIBLIOGRAPHY

		TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2388	V.N.KONONOV, YU.YA.STAVISSKII, S.R.CHESTOVONOV, V.S.TCHORIN LIQUID SCINTILLATOR OF PROMPT CAPTURE GAMMA-RAYS YAD. FIZ. 4, 282 (1965) ATOMNAYA ENERGIYA 19, 457 (1965)	47-A-107 47-AU-109 66-DY-161 66-DY-162 66-DY-163 73-TA-181 74-W-181 74-W-182 74-W-184 74-W-186 75-RE-NAT	2.90-02 1.46-01 2.90-02 1.38-01 2.90-02 1.68-01 2.90-02 1.56-01 2.90-02 1.46-01 3.30-02 1.56-01 3.30-02 1.68-01 3.30-02 1.68-01 3.30-02 1.68-01 4.60-02 1.68-01 2.90-02 1.68-01	19 N.O 18 N.O 20 N.O 21 N.O 19 N.O 15 N.O 16 N.O 15 N.O 15 N.O 14 N.O 17 N.O	
2389	CAN. J. PHYS. 44, 2956 (1966) R.COURTEMANCHE, T.A.EASTHOOD, R.D.WERNER (CHALK R.) ACTIVATION TECHNIQUE	51-SB-124	2.50-08 2.50-08	1 N.O	SPECT.AV.
2390	J. INORG. NUCLEAR CHEM. 29, 201 (1967) R.S.IYER, M.V.RAMANIAH, C.L.RAO, S.PRAKASH (INDIA) RADIOCHEMICAL METHOD. THE GIVEN RATIOS ARE FOR REACTOR NEUTRONS	32-GE-76 34-SE-82	2.50-08 2.50-08 2.50-08 2.50-08	1 N.O 1 N.O	C/S RATIO C/S RATIO
2391	BULL. BORIS KIDRIC INST. NUCL. SCI. NUCL.ENG. 18, 11 (1967) V.MARKOVIC, A.KOCIC (YUGOSLAVIA) RELATIVE TO AU197 ABSORPTION CROSS SECTION = 98.9 BARNS, AU197 ABSORPTION R1 = 1540 BARNS AND AG ABSORPTION CROSS SECTION = 64.8 BARNS	47-AG-NAT	5.00-07 1.50+01	1	ABSORP RES.INT.
2392	NUCLEAR PHYS. 117, 545 (1968) A.K.CHAUBEY, M.L.SEHGAL (INDIA) ACTIVATION TECHNIQUE	32-GE-76 32-GE-76 46-PD-108 46-PD-108 52-TE-130 52-TE-130 66-DY-164 66-DY-164	2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02 2.40-02	1 N.O 1 N.O 1 N.O 1 N.O 1 N.O 1 N.O 1 N.O 1 N.O	
2393	YAD. FIZ. 5, 906 (1967) L.N.BYSTROV, E.A.RUDAK, E.N.FIRSOV (USSR) GAMMA-RAY SPECTRA MEASUREMENTS ON PRESENT EXPERIMENT AND ON A SAMPLE OF NATURAL ZINC. SEE IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 30, 1135 (1965) L.V.GROSHEV, A.M.DEMIDOV, N.SHADIEV	30-ZN-66 30-ZN-67	2.50-08 2.50-08 2.50-08 2.50-08	1 N.O 1 N.O	SPECT.AV. SPECT.AV.
2394	PRIVATE COMMUNICATION (1969) B.C.DIVEN (LASL) PERSIMMON BOMB SHOT DATA. SEE ALSO REFERENCE 1534 LA-4285 (1969) J.O.CRAMER, D.W.BERGEN LA-4108-MS (1969) M.G.SILBERT LA-4674-MS (1971) M.G.SILBERT, P.E.YOUNG	92-U-235 94-PU-238	2.00-05 1.00-03 1.79-05 2.96+00	2601 N.FISS 6215 N.FISS	
2395	J. NUCLEAR ENERGY 22, 389 (1968) M.ABU EL-ELA, M.SALAMA, A.ABEL-KAWY, M.ADI8, I.HAMOU8A (EGYPT) TIME OF FLIGHT SPECTROMETER	30-ZN-NAT 51-SB-NAT	2.28-09 1.06-07 2.47-09 2.28-07	113 TOTAL 114 TOTAL	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=2395

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2396

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2396 PHYS. REV. 98, 1267 (1955) H.H.LONDON, V.L.SAILOR (BNL) CRYSTAL SPECTROMETER	49-IN-115 62-SM-NAT 63-EU-151	1.45-06 3.85-06 5.00-09 9.55-07 3.27-07 1.05-06	6 RES.PARAM. 40 TOTAL 9 RES.PARAM.
2397 PHYS. REV. 93, 195 (1954) A.W.MC REYNOLDS, E.ANDERSEN (NORWAY) CRYSTAL SPECTROMETER, SHAPE ANALYSIS	62-SM-NAT 62-SM-149	5.00-09 9.55-07 9.62-08 9.62-08	40 TOTAL 2 RES.PARAM.
2398 PHYS. REV. 83, 660 (1951) C.J.HEINDL, I.W.RUDERMAN (COLUMBIA U.) TRANSMISSION MEASUREMENT. SAMPLE THICKNESS = 49.2 GM/SQ. CM.	52-TE-NAT 52-TE-NAT	2.50-08 2.50-08 2.50-08 2.50-08	1 N.O 1 INCOHER
2399 NUCLEAR PHYS. 21, 66 (1960) R.T.CARPENTER, L.M.BOLLINGER (ANL) FAST CHOPPER, PARTIAL AREA AND SHAPE ANALYSIS. NATURAL ELEMENT AND ENRICHED ISOTOPES. RESOLUTION WAS 27 NSEC/M BELOW 150 EV. AND 12 NSEC/M ABOVE 150 EV.	80-HG-NAT 80-HG-NAT 80-HG-196 80-HG-199 80-HG-199 80-HG-200 80-HG-201 80-HG-202	1.79-05 3.54-02 2.70-04 6.50-04 9.35-05 9.35-05 2.30-05 4.17-04 3.35-05 8.80-04 1.32-03 7.80-03 4.30-05 6.85-04 1.71-03 4.10-03	932 TOTAL 9 RES.PARAM. 6 RES.PARAM. 29 RES.PARAM. 48 RES.PARAM. 22 RES.PARAM. 36 RES.PARAM. 10 RES.PARAM.
2400 NRDC-104 (1958) N.J.PATTENDEN, H.J.HAY, A.H.BASTON, C.DUFFILL (AERE) CRYSTAL SPECTROMETER. SEE REFERENCE FOR ERRORS ON CROSS SECTION DUE TO SM-149 CONTENT	62-SM-152	1.00-08 7.60-08	13 TOTAL
2401 PHYS. REV. 156, 1340 (1967) H.P.MENON, M.Y.CUYPERS (TEXAS A AND M UNIV.) ACTIVATION TECHNIQUE, RELATIVE TO CU63(N,N) CROSS SECTION = 497 MILLIBARNS	58-CE-140 58-CE-140 59-PR-141 60-ND-142 60-ND-142 60-ND-150 62-SM-144 62-SM-144	1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01	1 N,2N 1 N,2N 1 N,2N 1 N,2N 1 N,2N 1 N,2N 1 N,2N 2 N,2N
2403 INDIAN J. PHYS. CALCUTTA 41, 667 (1967) S.C.GUJRATHI, S.K.MUKHERJEE (SAHA INSTITUTE, CALCUTTA) BASED ON CU63(N,N) CROSS SECTION = 556 MILLIBARNS	70-YB-174	1.48+01 1.48+01	1 N,P
2404 PHYS. REV. 97, 565 (1965) J.E.EVANS, E.G.JOKI, R.R.SMITH (PHILLIPS PET) CRYSTAL SPECTROMETER.	73-TA-NAT	2.53-08 8.21-05	503 TOTAL
2405 BULL. AM. PHYS. SOC. 4, 385 (1959) J.A.HARVEY, R.C.BLOCK, G.G.SLAUGHTER (ORNL) TRANSMISSION MEASUREMENTS. THICK SAMPLE ENRICHED TO 0.59 PERCENT IN LA-138. SEE ALSO WASH-1048 PAGE 71 (1964) R.C.BLOCK, R.W.HOCKENBURY, J.E.RUSSELL ORNL-271B PAGE 26 (1959) ENRICHED ISOTOPES	57-LA-NAT 57-LA-138 57-LA-138 57-LA-139 59-PR-141	3.93-06 4.24-05 3.06-06 2.13-05 2.10-05 3.57-04 7.52-07 7.52-07 8.54-05 1.89-03	335 TOTAL 2 RES.PARAM. 9 RES.PARAM. 3 RES.PARAM. 26 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=2405

07/04/76

LCSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2406

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2406 PHYS. REV. 79, 44 (1950) C.T.HIBDON, C.O.MUEHLHAUSE (ANL) TRANSMISSION MEASUREMENT. SHAPE ANALYSIS	17-CL-35	-7.50-05-7.50-05	3	RES.PARAM.
2407 PHYS. REV. 82, 378 (1951) S.BASHKIN, F.P.MOORING, B.PETREE (U. OF WISCONSIN) TRANSMISSION MEASUREMENT	2-HE-4	1.15+00 1.15+00	1	RES.PARAM.
2408 PHYS. REV. 92, 1491 (1953) R.K.ADAIR (U.WIS.) PROPORTIONAL COUNTER	8-O -16	4.35-01 1.31+00	3	RES.PARAM.
2409 PHYS. REV. 95, 302 (1954) R.H.ROHRER, H.W.NEWSON, J.H.GIBBONS, P.CAPP (DUKE U.) TRANSMISSION AND ACTIVATION MEASUREMENTS	13-AL-27	6.40-03 6.40-03	3	RES.PARAM.
2410 PHYS. REV. 99, 620 (1955) A.L.TOLLER, J.R.PATTERSON, H.W.NEWSON (DUKE U.) TRANSMISSION MEASUREMENT. AREA ANALYSIS. ENRICHED ISOTOPES	17-CL-35 17-CL-37 19-K -39 19-K -41	2.85-02 1.90-01 8.80-03 1.80-01 1.00-02 1.10-01 1.00-02 1.10-01	3 8 8 6	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.
2411 PHYS. REV. 109, 1217 (1958) R.C.BLOCK (ORNL) FILTERED BEAM SCATTERING EXPERIMENT	11-NA-23	2.80-03 2.80-03	2	RES.PARAM.
2412 PHYS. REV. 115, 398 (1959) T.W.BONNER, F.W.PROSSER, JR., J.C.SLATTERY (RICE INST.) HELIUM FILLED IONIZATION CHAMBER. NEUTRON RESOLUTION OF 120 KEV.	2-HE-4	2.21+01 2.21+01	2	RES.PARAM.
2413 PRIVATE COMMUNICATION (1968) D.LISTER, A.B.SMITH (ANL) TIME OF FLIGHT CORRECTED FOR MULTIPLE SCATTERING FOR ELASTIC AND INELASTIC. SELF DETECTION IN GE-L1 DETECTOR FOR GAMMA- RAYS ELASTIC AND INELASTIC CROSS SECTIONS ARE RELATIVE TO CARBON ELASTIC SCATTERING OF ANL-5567 (REV.), WHICH IS OUR REFERENCE 231	32-GE-NAT 32-GE-NAT 32-GE-NAT 32-GE-70 32-GE-72 32-GE-74 32-GE-76	3.00-01 1.47+00 9.00-01 1.50+00 3.00-01 1.47+00 1.07+00 1.47+00 7.08-01 1.48+00 6.13-01 1.48+00 5.88-01 1.48+00	144 50 527 41 134 82 90	ELASTIC N,N' ELASTIC LEGEND.COEF N,XO N,XO N,XO N,XO
2414 PHYS. REV. 125, 275 (1962) R.E.CHRIEN, A.P.JAIN, H.PALEVSKY (BNL) FAST CHOPPER. TRANSMISSION METHOD	18-AR-36	-9.80-03-9.80-03	2	RES.PARAM.
2415 GA-10248 (DASA-2570) (1970) N.C.RASMUSSEN, V.J.ORPHAN, T.L.HARPER, J.CUNNINGHAM, S.A.ALI (GGA) GE(LI)-NAI SPECTROMETER	1-H -1 1-H -1 3-L1-NAT 3-L1-NAT 4-BE-9 4-BE-9 5-B -NAT 6-C -NAT 6-C -NAT 7-N -NAT 7-N -NAT 9-F -19 9-F -19	2.53-08 2.53-08	1 1 6 1 6 1 4 3 1 36 1 35 1	N,O N,XO N,G N,XG N,G N,XO N,G N,G N,XO N,G N,XG N,G N,XG

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-343 ***

REF.NO.=2415

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. 2415

REF BIBLIOGRAPHY

2415

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
11-NA-23	2.53-08 2.53-08	64 N,0	SPECT.AV.
11-NA-23	2.53-08 2.53-08	1 N,XG	SPECT.AV.
12-MG-NAT	2.53-08 2.53-08	99 N,0	SPECT.AV.
12-MG-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
13-AL-27	2.53-08 2.53-08	76 N,0	SPECT.AV.
13-AL-27	2.53-08 2.53-08	20 N,0	SPECT.AV.
13-AL-27	2.53-08 2.53-08	1 N,XG	SPECT.AV.
14-SI-NAT	2.53-08 2.53-08	55 N,0	SPECT.AV.
14-SI-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
15-P -31	2.53-08 2.53-08	130 N,0	SPECT.AV.
15-P -31	2.53-08 2.53-08	1 N,XG	SPECT.AV.
16-S -NAT	2.53-08 2.53-08	18 N,0	SPECT.AV.
16-S -NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
17-CL-NAT	2.53-08 2.53-08	144 N,0	SPECT.AV.
17-CL-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
19-K -NAT	2.53-08 2.53-08	168 N,0	SPECT.AV.
19-K -NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
20-CA-NAT	2.53-08 2.53-08	113 N,0	SPECT.AV.
20-CA-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
21-SC-46	2.53-08 2.53-08	244 N,0	SPECT.AV.
21-SC-46	2.53-08 2.53-08	1 N,XG	SPECT.AV.
22-TI-NAT	2.53-08 2.53-08	84 N,0	SPECT.AV.
22-TI-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
23-V -NAT	2.53-08 2.53-08	109 N,0	SPECT.AV.
23-V -NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
24-CR-NAT	2.53-08 2.53-08	63 N,0	SPECT.AV.
24-CR-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
25-MN-55	2.53-08 2.53-08	109 N,0	SPECT.AV.
25-MN-55	2.53-08 2.53-08	1 N,XG	SPECT.AV.
26-FE-NAT	2.53-08 2.53-08	187 N,0	SPECT.AV.
26-FE-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
27-CO-59	2.53-08 2.53-08	132 N,0	SPECT.AV.
27-CO-59	2.53-08 2.53-08	24 N,0	SPECT.AV.
27-CO-59	2.53-08 2.53-08	1 N,XG	SPECT.AV.
28-NI-NAT	2.53-08 2.53-08	120 N,0	SPECT.AV.
28-NI-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
29-CU-NAT	2.53-08 2.53-08	130 N,0	SPECT.AV.
29-CU-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
30-ZN-NAT	2.53-08 2.53-08	104 N,0	SPECT.AV.
30-ZN-NAT	2.53-08 2.53-08	33 N,0	SPECT.AV.
30-ZN-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
31-GA-NAT	2.53-08 2.53-08	144 N,0	SPECT.AV.
31-GA-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
32-GE-NAT	2.53-08 2.53-08	124 N,0	SPECT.AV.
32-GE-NAT	2.53-08 2.53-08	35 N,0	SPECT.AV.
32-GE-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
33-AS-75	2.53-08 2.53-08	91 N,0	SPECT.AV.
33-AS-75	2.53-08 2.53-08	27 N,0	SPECT.AV.
33-AS-75	2.53-08 2.53-08	1 N,XG	SPECT.AV.
34-SE-NAT	2.53-08 2.53-08	167 N,0	SPECT.AV.
34-SE-NAT	2.53-08 2.53-08	31 N,0	SPECT.AV.
34-SE-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-344 ***

REF. NO. 2415

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2415

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TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
35-BR-NAT	2.53-08 2.53-08	129 N,G	SPECT.AV.
35-BR-NAT	2.53-08 2.53-08	29 N,G	SPECT.AV.
35-BR-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
37-RB-NAT	2.53-08 2.53-08	201 N,G	SPECT.AV.
37-RB-NAT	2.53-08 2.53-08	20 N,G	SPECT.AV.
37-RB-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
38-SR-NAT	2.53-08 2.53-08	108 N,G	SPECT.AV.
38-SR-NAT	2.53-08 2.53-08	33 N,G	SPECT.AV.
38-SR-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
39-Y -89	2.53-08 2.53-08	76 N,G	SPECT.AV.
39-Y -89	2.53-08 2.53-08	1 N,XG	SPECT.AV.
40-ZR-NAT	2.53-08 2.53-08	94 N,G	SPECT.AV.
40-ZR-NAT	2.53-08 2.53-08	28 N,G	SPECT.AV.
40-ZR-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
41-NB-93	2.53-08 2.53-08	165 N,G	SPECT.AV.
41-NB-93	2.53-08 2.53-08	26 N,G	SPECT.AV.
41-NB-93	2.53-08 2.53-08	1 N,XG	SPECT.AV.
42-MO-NAT	2.53-08 2.53-08	154 N,G	SPECT.AV.
42-MO-NAT	2.53-08 2.53-08	33 N,G	SPECT.AV.
42-MO-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
44-RU-NAT	2.53-08 2.53-08	87 N,G	SPECT.AV.
44-RU-NAT	2.53-08 2.53-08	33 N,G	SPECT.AV.
44-RU-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
45-RH-103	2.53-08 2.53-08	89 N,G	SPECT.AV.
45-RH-103	2.53-08 2.53-08	24 N,G	SPECT.AV.
45-RH-103	2.53-08 2.53-08	1 N,XG	SPECT.AV.
46-PD-NAT	2.53-08 2.53-08	111 N,G	SPECT.AV.
46-PD-NAT	2.53-08 2.53-08	33 N,G	SPECT.AV.
46-PD-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
47-AG-NAT	2.53-08 2.53-08	97 N,G	SPECT.AV.
47-AG-NAT	2.53-08 2.53-08	26 N,G	SPECT.AV.
47-AG-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
48-CD-NAT	2.53-08 2.53-08	181 N,G	SPECT.AV.
48-CD-NAT	2.53-08 2.53-08	33 N,G	SPECT.AV.
48-CD-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
49-IN-NAT	2.53-08 2.53-08	158 N,G	SPECT.AV.
49-IN-NAT	2.53-08 2.53-08	23 N,G	SPECT.AV.
49-IN-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
50-SN-NAT	2.53-08 2.53-08	231 N,G	SPECT.AV.
50-SN-NAT	2.53-08 2.53-08	32 N,G	SPECT.AV.
50-SN-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
51-SB-NAT	2.53-08 2.53-08	82 N,G	SPECT.AV.
51-SB-NAT	2.53-08 2.53-08	25 N,G	SPECT.AV.
51-SB-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
52-TE-NAT	2.53-08 2.53-08	122 N,G	SPECT.AV.
52-TE-NAT	2.53-08 2.53-08	33 N,G	SPECT.AV.
52-TE-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
53-I -127	2.53-08 2.53-08	116 N,G	SPECT.AV.
53-I -127	2.53-08 2.53-08	25 N,G	SPECT.AV.
53-I -127	2.53-08 2.53-08	1 N,XG	SPECT.AV.
55-CS-133	2.53-08 2.53-08	53 N,G	SPECT.AV.
55-CS-133	2.53-08 2.53-08	23 N,G	SPECT.AV.

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TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
55-CS-133	2.53-08 2.53-08	1 N,XG	SPECT.AV.
56-BA-NAT	2.53-08 2.53-08	94 N,G	SPECT.AV.
56-BA-NAT	2.53-08 2.53-08	20 N,G	SPECT.AV.
56-BA-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
57-LA-NAT	2.53-08 2.53-08	157 N,G	SPECT.AV.
57-LA-NAT	2.53-08 2.53-08	19 N,G	SPECT.AV.
57-LA-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
58-CE-NAT	2.53-08 2.53-08	61 N,G	SPECT.AV.
58-CE-NAT	2.53-08 2.53-08	14 N,G	SPECT.AV.
58-CE-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
59-PR-141	2.53-08 2.53-08	160 N,G	SPECT.AV.
59-PR-141	2.53-08 2.53-08	20 N,G	SPECT.AV.
59-PR-141	2.53-08 2.53-08	1 N,XG	SPECT.AV.
60-ND-NAT	2.53-08 2.53-08	130 N,G	SPECT.AV.
60-ND-NAT	2.53-08 2.53-08	28 N,G	SPECT.AV.
60-ND-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
62-SM-NAT	2.53-08 2.53-08	81 N,G	SPECT.AV.
62-SM-NAT	2.53-08 2.53-08	31 N,G	SPECT.AV.
62-SM-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
63-EU-NAT	2.53-08 2.53-08	31 N,G	SPECT.AV.
63-EU-NAT	2.53-08 2.53-08	24 N,G	SPECT.AV.
63-EU-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
64-GD-NAT	2.53-08 2.53-08	102 N,G	SPECT.AV.
64-GD-NAT	2.53-08 2.53-08	29 N,G	SPECT.AV.
64-GD-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
65-TB-159	2.53-08 2.53-08	1,9 N,G	SPECT.AV.
65-TB-159	2.53-08 2.53-08	25 N,G	SPECT.AV.
65-TB-159	2.53-08 2.53-08	1 N,XG	SPECT.AV.
66-DY-NAT	2.53-08 2.53-08	169 N,G	SPECT.AV.
66-DY-NAT	2.53-08 2.53-08	26 N,G	SPECT.AV.
66-DY-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
67-HO-165	2.53-08 2.53-08	83 N,G	SPECT.AV.
67-HO-165	2.53-08 2.53-08	22 N,G	SPECT.AV.
67-HO-165	2.53-08 2.53-08	1 N,XG	SPECT.AV.
68-LR-NAT	2.53-08 2.53-08	91 N,G	SPECT.AV.
68-LR-NAT	2.53-08 2.53-08	28 N,G	SPECT.AV.
68-LR-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
69-TM-169	2.53-08 2.53-08	93 N,G	SPECT.AV.
69-TM-169	2.53-08 2.53-08	24 N,G	SPECT.AV.
69-TM-169	2.53-08 2.53-08	1 N,XG	SPECT.AV.
70-YB-NAT	2.53-08 2.53-08	179 N,G	SPECT.AV.
70-YB-NAT	2.53-08 2.53-08	29 N,G	SPECT.AV.
70-YB-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
71-LU-NAT	2.53-08 2.53-08	71 N,G	SPECT.AV.
71-LU-NAT	2.53-08 2.53-08	25 N,G	SPECT.AV.
71-LU-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
72-HF-NAT	2.53-08 2.53-08	122 N,G	SPECT.AV.
72-HF-NAT	2.53-08 2.53-08	25 N,G	SPECT.AV.
72-HF-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.
73-IA-NAT	2.53-08 2.53-08	89 N,G	SPECT.AV.
73-IA-NAT	2.53-08 2.53-08	26 N,G	SPECT.AV.
73-IA-NAT	2.53-08 2.53-08	1 N,XG	SPECT.AV.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
74-W -NAT	2.53-08 2.53-08	119 N,G	SPECT. AV.
74-W -NAT	2.53-08 2.53-08	26 N,G	SPECT. AV.
74-W -NAT	2.53-08 2.53-08	1 N,XG	SPECT. AV.
75-RE-185	2.53-08 2.53-08	71 N,G	SPECT. AV.
75-RE-185	2.53-08 2.53-08	20 N,G	SPECT. AV.
75-RE-185	2.53-08 2.53-08	1 N,XG	SPECT. AV.
76-OS-NAT	2.53-08 2.53-08	132 N,G	SPECT. AV.
76-OS-NAT	2.53-08 2.53-08	25 N,G	SPECT. AV.
76-OS-NAT	2.53-08 2.53-08	1 N,XG	SPECT. AV.
77-IR-NAT	2.53-08 2.53-08	77 N,G	SPECT. AV.
77-IR-NAT	2.53-08 2.53-08	21 N,G	SPECT. AV.
77-IR-NAT	2.53-08 2.53-08	1 N,XG	SPECT. AV.
78-PT-NAT	2.53-08 2.53-08	190 N,G	SPECT. AV.
78-PT-NAT	2.53-08 2.53-08	28 N,G	SPECT. AV.
78-PT-NAT	2.53-08 2.53-08	1 N,XG	SPECT. AV.
79-AU-197	2.53-08 2.53-08	123 N,G	SPECT. AV.
79-AU-197	2.53-08 2.53-08	22 N,G	SPECT. AV.
79-AU-197	2.53-08 2.53-08	1 N,XG	SPECT. AV.
80-HG-NAT	2.53-08 2.53-08	84 N,G	SPECT. AV.
80-HG-NAT	2.53-08 2.53-08	26 N,G	SPECT. AV.
80-HG-NAT	2.53-08 2.53-08	1 N,XG	SPECT. AV.
81-TL-203	2.53-08 2.53-08	103 N,G	SPECT. AV.
81-TL-203	2.53-08 2.53-08	24 N,G	SPECT. AV.
81-TL-203	2.53-08 2.53-08	1 N,XG	SPECT. AV.
82-PB-NAT	2.53-08 2.53-08	2 N,G	SPECT. AV.
82-PB-NAT	2.53-08 2.53-08	1 N,XG	SPECT. AV.
83-BI-209	2.53-08 2.53-08	3 N,G	SPECT. AV.
83-BI-209	2.53-08 2.53-08	1 N,XG	SPECT. AV.

2416 BULL. AM. PHYS. SOC. 9, 445 (1964) C.H. JOHNSON, J.L. FOWLER
(ORNL)
PHASE-SHIFT ANALYSIS OF DIFFERENTIAL SCATTERING CROSS SECTION

8-0 -16 3.77+00 3.77+00 1 RES.PARAM.

2417 HELV. PHYS. ACTA 25, 142 (1952) E. BALDINGER, P. HUBER,
W.G. PROCTOR (SWITZERLAND)
IONIZATION CHAMBER

8-0 -16 1.90+00 4.40+00 12 RES.PARAM.

2418 PHYS. LETTERS 18, 323 (1965) I. BERGQVIST, J.A. BIGGERSTAFF,
J.H. GIBBONS, W.M. OOD (ORNL)
NEUTRON TIME OF FLIGHT TECHNIQUE, NaI SPECTROMETER

12-M0-24 5.00-02 8.40-02 2 RES.PARAM.

2419 NUOVO CIMENTO 10, 1607 (1953) R. RICAMO (SWITZERLAND)
ANGULAR DISTRIBUTION MEASUREMENT OF SCATTERED NEUTRONS AT
RESONANCE ENERGY

6-C -12 2.08+00 2.08+00 1 RES.PARAM.

2420 ANL-6326 PAGE 35 (1961) C.T. HIBDON (ANL)
TRANSMISSION MEASUREMENT, SINGLE AND MULTILEVEL ANALYSIS, THE
DATA GIVEN HERE IS ONLY PROBABLE. SEE ALSO REFERENCE 699

9-F -19 1.34-01 1.52-01 15 RES.PARAM.

2421 PRIVATE COMMUNICATION (1957) J.R. PATTERSON, H.W. NEWSON (DUKE)
DATA OBTAINED FROM NNCS. TOTAL WIDTHS OBTAINED FROM PEAK
AREAS AND PEAK HEIGHTS FOR CL37

15-P -31 1.58-01 1.58-01 1 RES.PARAM.
17-CL-35 1.90-01 2.02-01 4 RES.PARAM.
17-CL-37 8.00-03 2.02-01 9 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=2421

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2422

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2422 PRIVATE COMMUNICATION (1964) D.B.FOSSAN, R.A.CHALMERS, L.F.CHASE, JR., S.R.SALISBURY (LOCKHEED) TRANSMISSION MEASUREMENT. TOTAL WIDTHS CORRECTED FOR RESOLUTION	7-N -15	9.30-01 2.02+00	19	RES.PARAM.
2423 HASH-1044 PAGE 19 (1963) R.E.COTE (ANL) TRANSMISSION MEASUREMENT. FAST CHOPPER	20-CA-43	1.47-03 1.47-03	1	RES.PARAM.
2424 NUCLEAR PHYS. 94, 351 (1967) E.T.JURNEY, H.T.MOTZ, S.H.VEGORS, JR. (LASL) CAPTURE GAMMA-RAY SPECTRA MEASUREMENT	82-PB-204	2.50-08 2.50-08	1	N.G SPECT.AV.
2425 PRIVATE COMMUNICATION (1968) R.B.SCHWARTZ (NBS) DATA OBTAINED FROM NNCSC. LINAC BULL. AM. PHYS. SOC. 14, 494 (1969) R.B.SCHWARTZ, R.A.SCHRACK, H.T.HEATON, II	22-T1-NAT	4.98-01 4.00+00	2642	TOTAL
2426 CAN. J. PHYS. 46, 2473 (1968) M.D.RICABARRA, R.TURJANSKI, G.H.RICABARRA, C.B.BIGHAM (ARGENTINA) LITHIUM-DRIFT GERMANIUM GAMMA-RAY SPECTROMETER. RELATIVE TO Au-197(N,GAMMA) CROSS SECTION = 98.8 BARNS AND R1 = 1551 BARNS	34-SE-74 34-SE-78 34-SE-80 35-BR-81 52-TE-130 53-I -127 56-BA-138 58-CE-140 58-CE-142	6.00-07 1.50+01 6.00-07 1.50+01 6.00-07 1.50+01 6.00-07 1.50+01 6.00-07 1.50+01 6.00-07 1.50+01 6.00-07 1.50+01 6.00-07 1.50+01 6.00-07 1.50+01	1 1 1 1 1 1 1 1 1	N.G RES.INT. N.G RES.INT. N.G RES.INT. N.G RES.INT. N.G RES.INT. N.G RES.INT. N.G RES.INT. N.G RES.INT. N.G RES.INT.
2427 NUCLEAR PHYS. 119, 517 (1968) S.LULIC, P.STROHAL, B.ANTOKOVIC, G.PAIC (YUGOSLAVIA) ACTIVATION METHOD	50-SN-112 50-SN-112 50-SN-114 50-SN-115 50-SN-116 50-SN-117 50-SN-117 50-SN-118 50-SN-118 50-SN-119 50-SN-120 50-SN-122 50-SN-124	1.44+01 1.44+01	1 2 1 1 1 1 1 1 1 2 1 1 1 1	N,2N N,P N,2N N,P N,P N,P N,P N,2N N,P N,P N,2N N,2N N,2N
2428 ATOMNAYA ENERGIYA 15, 247 (1963) M.F.VLASOV, V.P.VERTEBNII, A.L.KIRILYUK (USSR) TIME OF FLIGHT METHOD. AREA METHOD. ASSUMED GAMMA TOTAL = 0.0883 EV. NATURAL ELEMENT AND ENRICHED ISOTOPE	68-CR-167	4.60-07 2.76-05	7	RES.PARAM.
2429 NUCLEAR SCIENCE AND ENGINEERING 12, 157 (1962) D.BALLY, S.TODIREANU, S.RIPEANU (ROMANIA) CRYSTAL SPECTROMETER	13-AL-27	2.92-09 5.51-09	34	TOTAL
2430 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTIHERP, P/186 (1965) V.P.VERTEBNII, M.F.VLASOV, A.L.KIRILYUK, V.V.KOLOTLII.	68-CR-162 68-CR-162	2.53-08 2.53-08 7.68-06 2.10-05	1 3	TOTAL RES.PARAM.

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REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2420	M.V.PASECHNIK, N.A.TROFIMOVA (USSR) TIME OF FLIGHT METHOD. NATURAL ELEMENT AND ENRICHED ISOTOPEES. BNL-325 2ND ED. SUPPL.2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY N4CSC. BEST RESOLUTION (NATURAL ELEMENT) WAS 50 NSEC/M.	68-ER-164 68-ER-166 68-ER-166 68-ER-167 68-ER-167 68-ER-168 68-ER-170 68-ER-170	7.95-06 7.95-06 2.53-08 2.53-08 1.56-05 1.56-05 2.53-08 2.53-08 4.60-07 1.70-04 2.53-08 2.53-08 2.53-08 2.53-08 9.45-05 9.45-05	1 1 1 1 21 1 1 1	RES.PARAM. TOTAL RES.PARAM. TOTAL RES.PARAM. TOTAL TOTAL RES.PARAM.
2431	NUCLEAR PHYS. 5, 294 (1957) E.M.BOWEY, J.R.BIRD (AERE) TIME OF FLIGHT METHOD. ENRICHED ISOTOPEES. RESOLUTION OF 111 NSEC/M IN TIMING.	62-SM-147 62-SM-149 62-SM-150 62-SM-152 64-OD-155 64-OD-156 64-OD-157 64-OD-158 77-IR-191 77-IR-193	3.40-06 1.61-04 4.96-06 1.82-04 2.7-05 4.75-05 8.05-06 1.74-04 6.40-06 7.80-05 3.25-05 7.97-05 1.68-05 8.14-05 2.22-05 2.22-05 5.35-06 6.49-05 8.04-06 7.72-05	15 22 2 4 17 2 7 1 9 7	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.
2432	PHYS. REV. B3, 1292 (1954) V.L.SAILOR, M.H.LANDON, H.L.FOOTE, JR. (BNL) CRYSTAL SPECTROMETER. AREA AND SHAPE ANALYSIS BNL-325 2ND ED. SUPPL.2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY N4CSC.	63-EU-151 63-EU-153	3.27-07 1.95-05 1.76-06 1.18-05	28 15	RES.PARAM. RES.PARAM.
2433	CEA-R-3279 (1967) J.CABE (SACLAY) TOTAL CROSS SECTIONS MEASUREMENT. RESOLUTION WAS ABOUT 2 KEV AT AN ENERGY OF 585 KEV. SPINS DETERMINED FROM DIFFERENCE BETWEEN THE MAXIMUM AND MINIMUM VALUES OF THE CROSS SECTIONS.	9-F-19 13-AL-27 14-SI-28 24-CR-52 62-PB-208	4.97-01 1.10-00 6.30-01 1.17-00 5.36-01 6.04-01 7.55-01 9.02-01 7.22-01 1.19-00	14 18 6 6 7	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.
2434	COMPT. REND. 262, 507 (1966) J.TROCHET, A.LOTTIN, P.RIBON (SACLAY)	45-RH-103 79-AU-197	9.50-05 7.01-04 6.02-09 2.40-04	13 6	RES.PARAM. RES.PARAM.
2435	INDC-283E PAGE 44 (1969) G.V.MURADYAN, YU.G.SHCHEPKIN, YU.V.ADAMCHUK, M.O.ARUTYUNOV (USSR) TRANSMISSION, CAPTURE AND SELF-INDICATION MEASUREMENTS. AREA ANALYSIS. ENRICHED ISOTOPEES. BEST RESOLUTION (TRANSMISSION) WAS 3.8 NSEC/M.	50-SN-120 50-SN-120	0. 4.30-03 6.73-05 9.50-03	3 39	AV.RES.PARAM. RES.PARAM.
2436	PHYS. REV. B3, 746 (1951) J.LITTMAN, C.SHEER (COLUMBIA U.) TIME OF FLIGHT METHOD. COMBINATION OF SCATTERING AND TRANS- MISSION RESULTS	79-AU-197	4.07-06 4.67-06	4	RES.PARAM.
2437	J. EXPTL. THEORET. PHYS. (USSR) 45, 875 (1963) K.G.IGNAT'EV, I.V.KIRPICHNIKOV, S.I.SUKHORUCHKIN (USSR)	48-CD-111 94-KC-129 74-M-183 78-P1-195	2.80-05 2.80-05 9.40-06 9.40-06 7.60-06 1.03-04 1.19-05 6.70-05	1 1 3 7	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.
2438	PRIVATE COMMUNICATION (1971) H.DERRIEN (SACLAY) TIME OF FLIGHT TRANSMISSION MEASUREMENT. SINGLE LEVEL. SHAPE	94-FU-239	3.00-07 6.58-04	413	RES.PARAM.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2438 ANALYSIS. SEE ALSO REF.1963 AND REF.1349.

2439 NUCLEAR PHYS. 42, 676 (1963) H.H.BOLOTIN, R.E.CHRIEN (BNL) FAST CHOPPER. WIDE RANGE OF SAMPLE THICKNESS. AREA METHOD BNL-325 2ND ED. SUPPL.2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCSC. NATURAL ELEMENT AND ENRICHED ISOTOPES	44-RU-NAT 1.00-05 3.50-04 44-RU-99 2.53-05 2.27-04 44-RU-101 1.57-05 4.60-04 44-RU-102 2.00-04 2.00-04 51-SB-21 6.23-05 2.97-05 51-SB-123 2.16-05 2.16-05 77-IR-191 5.38-06 5.13-05 77-IR-193 4.34-05 4.34-05 60-HG-198 2.33-05 9.11-05 80-HG-199 3.7-05 1.31-04 80-HG-201 4.33-05 7.18-05	8 5 17 3 6 2 8 2 6 4 6	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.
2440 PHYS. REV. 104, 1425 (1956) R.C.WOOD (BNL) TOTAL AND SCATTERING CROSS SECTION MEASUREMENTS. RESOLUTION (TRANSMISSION) WAS 170 NSEC/M. SHAPE ANALYSIS. PHYS. REV. 98, 639 (1955) R.E.WOOD, W.H.LONDON, V.L.SAILOR	47-AG-109 5.19-06 5.19-06 73-TA-181 4.28-06 4.28-06 79-AU-197 4.90-06 4.90-06 82-PB-NAT 1.26-06 4.55-06	6 6 6 20	RES.PARAM. RES.PARAM. RES.PARAM. TOTAL
2441 PHYS. REV. 93, 1030 (1954) H.H.LONDON, V.L.SAILOR (BNL) CRYSTAL SPECTROMETER. AREA AND SHAPE ANALYSIS	55-CS-133 5.90-06 5.90-06 79-AU-197 4.91-06 4.91-06	4 2	RES.PARAM. RES.PARAM.
2442 PHYS. REV. 70, 557 (1946) L.B.BORST, A.J.ULFICH, C.L.OSBORNE, B.MASBROUCK (MONSANTO) CRYSTAL SPECTROMETER	62-SM-149 9.60-08 9.60-08 63-EU-153 5.40-07 5.40-07 64-GD-157 4.40-08 4.40-08	2 2 2	RES.PARAM. RES.PARAM. RES.PARAM.
2443 PHYS. REV. 95, 453 (1954) R.E.WOOD (BNL) CRYSTAL SPECTROMETER	63-EU-151 1.10-08 7.36-08	7	RES.PARAM.
2444 PHYS. REV. 71, 757 (1947) W.J.STURM (ANL) CRYSTAL SPECTROMETER	62-SM-149 9.60-08 9.60-08 63-EU-151 1.10-08 3.30-08 64-GD-NAT 2.53-08 2.53-08	2 4 1	RES.PARAM. RES.PARAM. ABSORP
2445 PHYS. REV. 134, 68 (1964) A.STOLOVY (USNRL) TRANSMISSION OF POLARIZED NEUTRONS THROUGH POLARIZED TARGETS. ENERGY NOT STATED FOR NEGATIVE LEVEL IN EU-151	63-EU-151 0. 3.37-06 63-EU-153 2.46-06 2.46-06 64-GD-155 2.60-00 6.30-06 64-GD-157 3.14-00 3.14-08	5 1 4 1	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.
2446 PHYSICA 30, 713 (1964) H.POSTMA, F.J.SHORE, C.A.REYNOLDS (BNL) TRANSMISSION OF POLARIZED NEUTRONS THROUGH A POLARIZED TARGET	65-TO-159 3.35-06 1.11-05	3	RES.PARAM.
2447 J. EXPL. THORET. PHYS. (USSR) 47, 43 (1964) WANG NAI-YEN, N.I.LIESCU, E.N.KARZHAYINA, KIM MI SAN, A.B.POPOV, L.B.PIKEL'NER, T.STADNIKOV, E.I.SHARAPOV, YU.S.YAZVETSKII (USSR) TRANSMISSION, CAPTURE AND SCATTERING MEASUREMENTS	59 PR 141 5.05-05 9.42-04 65-TO-159 3.34-06 9.75-05	44 82	RES.PARAM. RES.PARAM.
2448 PHYS. REV. 126, 979 (1962) H.POSTMA, H.MARSHAK, V.L.SAILOR, F.J.SHORE, C.A.REYNOLDS (BNL) TRANSMISSION MEASUREMENTS WITH POLARIZED NEUTRONS ON POLARIZED TARGETS	67-HO-165 3.92-06 1.28-05	2	RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

Q7/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. #2449

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2449 WASH-1034 PAGE 6 (1961) V.L.SAILOR, G.BRUNHART, H.MARSHAK, R.L.SCHERMER, H.POSTMA, C.A.REYNOLDS, F.J.SHORE (BNL) TRANSMISSION MEASUREMENT WITH POLARIZED NEUTRONS ON POLARIZED TARGETS. AREA ANALYSIS. DATA OBTAINED FROM NNCS	67-HO-65 68-ER-167	3.92-06 3.92-06 4.60-07 2.12-05	6 5	RES.PARAM. RES.PARAM.
2450 NUCLEAR PHYS. 71, 129 (1965) F.H.FROHNER, E.HADDAD (OA) CAPTURE MEASUREMENT. AREA AND SHAPE ANALYSIS	68-ER-167	7.90-06 7.90-06	3	RES.PARAM.
2451 AERE-PR/NP-2 PAGE 15 (1962) G.S.G.TUCKEY, G.HOLT (AERE) TRANSMISSION MEASUREMENT. SHAPE ANALYSIS	69-ER-167	4.60-07 5.80-07	4	RES.PARAM.
2452 NUCLEAR SCIENCE AND ENGINEERING 25, 31 (1966) F.A.KHAN, J.A.HARVEY (ORNL) TRANSMISSION MEASUREMENT. AREA ANALYSIS. NATURAL ELEMENT AND ENRICHED ISOTOPES. RESOLUTION OF 10 NSEC/M BETWEEN 42 - 10000 EV. AND 0.7 - 1.5 PERCENT BETWEEN 0.2 - 100 EV.	74-W-182 74-W-183 74-W-184 74-W-184	1.1-04 1.14-04 1.01-04 1.01-04 0. 1.40-03 1.02-04 2.09-03	1 1 2 16	RES.PARAM. RES.PARAM. AV RES.PARAM. RES.PARAM.
2453 AERE-PR/NP-4 PAGE 20 (1963) F.CORVI, M.ASOHAR, F.D.BROOKS, J.E.JOLLY (AERE) SCATTERING AND TRANSMISSION MEASUREMENT	69-TM-169	1.45-05 5.07-05	9	RES.PARAM.
2454 PRIVATE COMMUNICATION (1959) V.E.PILCHER (BNL) FAST CHOPPER, AREA ANALYSIS BNL-325 2ND ED. SUPPL.2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS.	62-SM-NAT 62-SM-147 62-SM-149 62-SM-150 62-SM-152	4.85-05 5.00-05 3.40-06 5.00-05 4.95-05 5.20-05 2.06-05 2.06-05 8.01-06 8.01-06	2 7 13 1 1	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.
2455 ATOMNAYA ENERGIYA 16, 523 (1964) R.B.BEGZANOV, D.A.GLADYSHEV, S.V.STARODUBTSEV, I.KHAIDAROV (USSR) TRANSMISSION MEASUREMENT. CRYSTAL SPECTROMETER. AREA ANALYSIS BNL-325 2ND ED. SUPPL.2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS. RESOLUTION ABOUT 2.5 MICROSEC/M.	49-IN-115 62-SM-147 62-SM-149	1.46-06 9.20-06 3.45-06 3.45-06 8.60-07 4.90-06	9 2 3	RES.PARAM. RES.PARAM. RES.PARAM.
2456 PHYS. LETTERS 1, 289 (1962) E.CHEIFETZ, J.GILAT, A.I.YAVIN, S.O.COHEN (ISRAEL) SPIN ASSIGNMENTS FROM (N,ALPHA) MEASUREMENTS. ENRICHED ISOTOPES	60-ND-143 62-SM-147 62-SM-147 62-SM-149	2.50-08 2.50-08 2.50-08 2.50-08 3.40-06 2.71-05 2.50-08 2.50-08	1 2 3 2	N.A. SPECT.AV. N.A. SPECT.AV. RES.PARAM. N.A. SPECT.AV.
2457 PHYS. REV. 128, 1287 (1962) H.MARSHAK, H.POSTMA, V.L.SAILOR, F.J.SHORE, C.A.REYNOLDS (BNL) TRANSMISSION OF POLARIZED NEUTRONS THROUGH A POLARIZED TARGET	62-SM-149	9.76-08 8.90-06	5	RES.PARAM.
2458 PHYS. REV. 127, 1665 (1962) R.D.MACFARLANE, I.ALMODDVAR (U.PUERTO RICO) SPIN ASSIGNMENTS FROM (N,ALPHA) MEASUREMENTS. THE ENERGY OF THE BOUND STATE IS NOT STATED	62-SM-149	2.50-08 2.51-08	2	N.A. SPECT.AV.
2459 PHYS. REV. 95, 105 (1954) L.D.ROBERTS, S.BERNSSTEIN, J.W.T.DABBS, JR., C.P.STANFORD (ORNL) TRANSMISSION OF POLARIZED NEUTRONS THROUGH A POLARIZED TARGET	62-SM-149	9.40-08 9.40-08	1	RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF. NO. #2449

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2460

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2460	CAN. J. PHYS. 39, 1193 (1961) R.E. CHRIEN (CHALK R.) FAST CHOPPER. SHAPE ANALYSIS. ENRICHED ISOTOPES	52-SM-152	8.02-06 8.02-06	3	RES.PARAM.
2461	CAN. J. PHYS. 39, 1184 (1961) W.H. WALKER, R.E. GREEN (CHALK R.) CD RATIO MEASUREMENT. ENRICHED ISOTOPES	62-SM-152	8.02-06 8.02-06	1	RES.PARAM.
2462	PHYS. REV. 114, 1577 (1959) F. DOMANIC, E.T. PATRONIS, JR. (BNL) CRYSTAL SPECTROMETER. SHAPE ANALYSIS. ENRICHED ISOTOPES. RESOLUTION OF 170 NSEC/M.	63-EU-151 63-EU-153	1.05-06 9.06-06 1.72-06 8.97-06	24 24	RES.PARAM. RES.PARAM.
2463	NUCLEAR SCIENCE AND ENGINEERING 10, 169 (1961) S. TASSAN, A. HELLSTEN, V.L. SAILOR (BNL) CRYSTAL SPECTROMETER. SHAPE ANALYSIS. ENRICHED ISOTOPES. RESOLUTION WAS 401 NSEC/M FROM 0.1-0.5 EV AND 171 NSEC/M FROM 0.32-1.00 EV.	63-EU-151	3.21-07 4.60-07	10	RES.PARAM.
2464	NUCLEAR PHYS. 145, 549 (1970) M. ASGHAR, P. RIBON, E. SILVER, J. TROCHON (SACLAY) RESONANT SCATTERING METHOD ALONG WITH THE GAMMA-RAY CASCADE TECHNIQUE AND TRANSMISSION DATA. AREA ANALYSIS. THE RESONANCE PARAMETERS, 2 0 GAMMA-N, AND GAMMA TOTAL, CAME FROM UNPUBLISHED WORK OF P. RIBON. NATURAL ELEMENT AND ENRICHED ISOTOPES CEA-N 1149 (1969) P. RIBON (THESES)	64-GD-155 64-GD-155 64-GD-157 64-GD-157	0. 9.30-05 2.01-06 9.30-05 0. 2.41-04 3.10-08 2.41-04	2 93 2 78	AV.RES.PARAM. RES.PARAM. AV.RES.PARAM. RES.PARAM.
2465	NUCLEAR PHYS. 10, 386 (1959) C.A. FENSTERMACHER, J.E. DRAPER, C.K. BOCKELMAN (YALE U.) GAMMA RAY SPECTRA MEASUREMENTS	69-ER-167 72-HF-177	4.70-07 9.46-08 1.10-08 2.38-06	4 2	RES.PARAM. RES.PARAM.
2466	PHYS. REV. 98, 1512 (1955) J.W.T. DABBS, JR., L.D. ROBERTS, S. BERNSTEIN (ORNL) TRANSMISSION OF POLARIZED NEUTRONS THROUGH A POLARIZED TARGET	49-IN-115	1.45-06 1.45-06	1	RES.PARAM.
2467	PHYS. REV. 87, 161 (1952) V.L. SAILOR, L.B. BORST (BNL) CRYSTAL SPECTROMETER. TRANSMISSION MEASUREMENT. ENRICHED ISOTOPES. RESOLUTION VARIED FROM 0.04 EV AT 1.46 EV, TO 2.6 EV AT 23.5 EV.	49-IN-113 49-IN-115	1.80-06 1.48-05 1.45-06 2.35-05	3 5	RES.PARAM. RES.PARAM.
2468	NASH-1033 PAGE 5 (1961) H. MARSHAK, H. FOSTHA, C.A. REYNOLDS, V.L. SAILOR, R.I. SHERMER, F.J. SHORE (BNL) TRANSMISSION MEASUREMENT OF POLARIZED NEUTRONS THROUGH A POLARIZED TARGET	40-IN-115	1.45-06 1.45-06	1	RES.PARAM.
2469	PHYS. REV. 118, 211 (1960) A. STOLOVY (USNRL) TRANSMISSION OF POLARIZED NEUTRONS THROUGH A POLARIZED TARGET	49-IN-115	1.46-06 9.10-06	3	RES.PARAM.
2470	J. PHYS. RADIUM 22, 707 (1961) H. CEULEMANS, F. POORTMANS (BELGIUM) CRYSTAL SPECTROMETER. MEASUREMENT OF THE RATIO OF NEUTRON WIDTH TO TOTAL WIDTH. RESOLUTION ABOUT 4 PERCENT.	49-IN-115	1.45-06 1.45-06	1	REF.PARAM.
2471	NUCLEAR PHYS. 5, 89 (1958) E.R. RAE, E.R. COLLINS, R.B. KINSEY, J.E. LYNN, E.R. WISLIN (AERE)	47-AG-107 47-AG-109	1.63-05 5.20-05 5.20-06 1.34-04	21 41	RES.PARAM. RES.PARAM.
REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

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EC5IL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 2471

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2471 MEASUREMENT OF TOTAL, SCATTERING AND CAPTURE CROSS SECTION
AREA ANALYSIS. RESOLUTION FROM 16-175 NSEC/M.

2472 PHYS. REV. 120, 2214 (1960) J.S. DESJARDINS, J.L. ROSEN,
W.M. HAVENS, JR., L.J. RAINWATER (COLUMBIA U.)
TIME OF FLIGHT TECHNIQUE. SELF-INDICATION MEASUREMENT.
RESULTS OF REFERENCES 2387 AND 2171 WERE ALSO USED TO
SEPARATE THE ISOTOPIES. ISOTOPIC ASSIGNMENTS FOR AG HAVE ALSO
COME FROM REFERENCES 2387 AND 3050.

47-AG-NAT 0. 6.00-04 2 AV. RES. PARAM.
47-AG-NAT 1.73-04 6.85-04 28 RES. PARAM.
47-AG-107 1.63-05 7.05-04 88 RES. PARAM.
47-AG-109 3.05-05 7.28-04 92 RES. PARAM.
73-TA-181 0. 3.50-04 2 AV. RES. PARAM.
73-TA-181 7.59-05 3.29-04 137 RES. PARAM.
79-AU-197 0. 6.00-04 2 AV. RES. PARAM.
79-AU-197 4.67-05 9.40-04 154 RES. PARAM.

2473 COMPT. RENG. 254, 4162 (1962) J. JULIEN, V-D. HUYNH,
J. MORGENSEN, F. NETTER (SACLAY)
TIME OF FLIGHT TECHNIQUE. NaI(TL) DETECTORS

47-AG-107 1.44-04 1.70-04 3 RES. PARAM.
47-AG-109 1.39-04 1.73-04 2 RES. PARAM.

2474 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTHEP, P/185 (1965)
KIM H. SAN, L.B. PIKEL'NER, E.I. SHARAPOV, KH. STRAZHET (USSR)
TIME OF FLIGHT METHOD. TRANSMISSION, CAPTURE, SCATTERING AND
SELF-INDICATION MEASUREMENTS. AREA ANALYSIS. NATURAL ELEMENT
AND ENRICHED ISOTOPIES. RESOLUTION WAS 60-80 NSEC/M.

35-BR-79 3.59-05 3.19-04 20 RES. PARAM.
35-BR-81 1.01-04 1.35-04 6 RES. PARAM.
44-RU-NAT 1.00-05 1.41-04 10 RES. PARAM.
44-RU-99 2.53-05 2.53-05 4 RES. PARAM.
44-RU-101 1.58-05 1.13-04 14 RES. PARAM.

2475 PRIVATE COMMUNICATION (1966) W.M. GOOD (ORNL)
TOTAL CROSS SECTION MEASUREMENT, AREA ANALYSIS.
BULL. AM. PHYS. SOC. 6, 251 (1961) H. MUENZLER, K. NISHIMURA,
W.M. GOOD
ORNL-3085 PAGE 37 (1961)
ENRICHED ISOTOPIES. TIME RESOLUTION WAS 1 PERCENT OF THE
FLIGHT TIME.

34-SE-76 4.95-03 3.48-02 1 AV. RES. PARAM.
34-SE-76 4.96-03 2.42-02 7 RES. PARAM.
34-SE-78 5.73-03 4.05-02 9 RES. PARAM.
34-SE-80 3.95-03 3.99-02 8 RES. PARAM.
34-SE-82 6.58-03 2.65-02 4 RES. PARAM.

2476 BULL. AM. PHYS. SOC. 4, 473 (1959) J.L. ROSEN, J.S. DESJARDINS,
W.M. HAVENS, JR., L.J. RAINWATER (COLUMBIA U.)
CAPTURE GAMMA-RAY SELF-INDICATION MEASUREMENTS, SUPPLEMENTED
BY TRANSMISSION MEASUREMENTS
CU(PNPL)-206 (1960)
BNL-325 2ND ED. SUPPL. 2 (1965)
FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS.
BULL. AM. PHYS. SOC. 4, 271 (1959)
BULL. AM. PHYS. SOC. 5, 32 (1960)
SOME OF THE RESULTS ARE QUOTED IN REFERENCE 814 (PHYS. REV.
ARTICLES)

32-AS-75 4.70-05 8.96-04 10 RES. PARAM.
35-BR-NAT 1.57-04 9.95-04 58 RES. PARAM.
35-BR-79 3.58-05 3.94-04 23 RES. PARAM.
35-BR-81 1.01-04 2.04-04 11 RES. PARAM.
41-NB-93 2.44-04 1.25-03 36 RES. PARAM.
41-NB-93 3.55-05 1.93-04 17 RES. PARAM.

2477 BULL. AM. PHYS. SOC. 6, 69 (1961) W.C. OLSEN, P.P. SINOH
(CHALK R.)
FAST CHOPPER AREA ANALYSIS
BNL-325 2ND ED. SUPPL. 2 (1965)
FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS.
NATURAL ELEMENT AND ENRICHED ISOTOPIES

40-ZR-90 3.90-03 1.80-02 3 RES. PARAM.
40-ZR-91 1.82-04 2.48-03 6 RES. PARAM.
40-ZR-92 6.94-03 6.94-03 1 RES. PARAM.

2478 CONF. ON NEUTRON C/S TECHNOLOGY. WASH. D.C., 2771 (1968)
R.B. SCHWARTZ, R.A. SCHRACK, H.T. HEATON, II (NBS)
TIME OF FLIGHT METHOD. CARBON DATA SUPERCEDED BY REF. 3051.

82-PB-NAT 7.33-01 4.36-00 R57 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2478 IRON DATA SUPERCEDED BY REF. 2620

2479 CAN. J. PHYS. 46, 2325 (1968) J.S.MERRITT, R.E.GREEN
(CHALK R.)
ACTIVATION ANALYSIS, RELATIVE TO AU-197 CROSS SECTION =
98.7 BARNS
27-CO-59 2.53-08 2.53-08 1 N,0
27-CO-59 2.50-08 2.50-08 1 N,0 SPECT.AV.

2480 NUCLEAR PHYS. 143, 130 (1970) P.RIBON, J.GIRARD, J.TROCHON
(SACLAY)
TRANSMISSION AND SCATTERING TIME OF FLIGHT MEASUREMENTS.
SHAPE ANALYSIS. SEE ALSO REF.2155 AND 2149 FOR CROSS SECTIONS
SEE ALSO REFS. 2145, 2149 AND 2434 FOR EARLIER SACLAY
EXPERIMENTS.
45-RH-103 0. 1.40-03 4 AV.RES.PARAM.
45-RH-103 3.44-05 4.14-03 505 RES.PARAM.

2481 BULL. AM. PHYS. SOC. 8, 120 (1963) O.A.WASSON, J.E.DRAPER
(YALE U.)
LINAC. TIME OF FLIGHT METHOD
21-SC-45 4.55-04 1.02-03 2 RES.PARAM.

2482 CAN. J. PHYS. 46, 1883 (1968) G.E.TRIPARD, P.W.MARTIN,
B.L.WHITE (CANADA)
CORRECTED FOR ABSORPTION AND MULTIPLE SCATTERING. WE HAVE
CONVERTED ANOMALOUS DISTRIBUTIONS TO THE CM SYSTEM
82-PB-NAT 4.56+00 4.56+00 7 ELASTIC D(A)

2483 J. INORG. NUCLEAR CHEM. 37, 2577 (1968) S.M.QAIM, M.EJAZ
(PAKISTAN)
ACTIVATION TECHNIQUE. RELATIVE TO AL27(N,ALPHA) CROSS
SECTION = 117 MILLIBARNS
53-1 -127 1.47+01 1.47+01 1 N,2N
53-1 -127 1.47+01 1.47+01 1 N,3N
53-1 -127 1.47+01 1.47+01 1 N,0
53-1 -127 1.47+01 1.47+01 2 N,P
53-1 -127 1.47+01 1.47+01 1 N,P
53-1 -127 1.47+01 1.47+01 1 N,A
53-1 -127 1.47+01 1.47+01 1 N,A

2484 PHYS. REV. 103, 1326 (1956) E.G.JOKI, J.E.EVANS
(PHILLIPS PET)
CRYSTAL SPECTROMETER
69-TM-169 3.73-08 1.58-08 362 TOTAL

2485 J. PHYS. RADIUM 22, 719 (1961) C.CORGE, V-D.MUYNH, J.JULIEN,
J.MORGENSTERN, F.NETTER (SACLAY)
TIME OF FLIGHT METHOD. AREA ANALYSIS. SEE ALSO
REFERENCE 801 FOR ZIRCONIUM DATA. RESOLUTION OF 4 NSEC/M.
59-PR-141 8.48-05 4.37-03 54 RES.PARAM.

2486 PRIVATE COMMUNICATION (1956) A.STOLOVY, J.A.HARVEY
FAST CHOPPER. AREA ANALYSIS. ENRICHED ISOTOPES
60-ND-143 5.63-05 1.90-04 8 RES.PARAM.

2487 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTHEP, P/188 (1965)
KIM HI SAN, L.G.PIKEL'NER, F.I.SHARAPOV, KH.GIRAZHET (USSR)
TIME OF FLIGHT TECHNIQUE. AREA ANALYSIS. RESOLUTION OF 80
NSEC/M.
56-BA-NAT 4.64 05 2.45-04 4 RES.PARAM.
56-BA-134 5.80-05 5.80-05 1 RES.PARAM.
56-BA-135 2.43-05 2.86-04 18 RES.PARAM.

2488 ORNL-3924 PAGE 28 (1965) J.A.HARVEY, C.G.SLAUGHTER (ORNL)
FAST CHOPPER. AREA ANALYSIS. ASSUMING A GAMMA WIDTH OF 0.10
EV. THIS DATA SUPERCEDES THAT REPORTED IN
NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTHEP, P/77 (1965)
57-LA-138 3 08 06 3.56-04 11 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2488

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2488 ENRICHED ISOTOPES. RESOLUTION WAS 1-2 PERCENT BELOW 50 EV.
AND 60 NSEC/M ABOVE 50 EV.

2489 RPI, ANNUAL TECHNICAL REPORT FY (TID-22141) PAGE 53 (1965)
T.FUKETA, J.E.RUSSELL, R.W.HOCKENBURY (RPI)
TIME OF FLIGHT METHOD. RESOLUTION OF 4 NSEC/M. AREA
ANALYSIS. ENRICHED ISOTOPES
TID-22141 (1965)

72-HF-176 2.01-04 1.05-03 16 RES.PARAM.
72-HF-177 1.99-04 1.01-03 59 RES.PARAM.
72-HF-178 2.55-04 1.16-03 14 RES.PARAM.
72-HF-179 2.03-04 1.05-03 40 RES.PARAM.
72-HF-180 4.48-04 9.14-04 5 RES.PARAM.

2490 PHYS. REV. 101, 728 (1956) G.160, H.M.LANDON (BNL)
CRYSTAL SPECTROMETER. AREA AND SHAPE ANALYSIS

72-HF-177 1.10-06 2.39-06 12 RES.PARAM.

2491 NATURE 167, 896 (1951) P.A.EGELSTAFF, B.T.TAYLOR (AERE)
CRYSTAL AND MECHANICAL SPECTROMETER

72-HF-NAT 2.53-08 2.53-08 1 ABSORP
72-HF-177 1.10-06 2.20-06 4 RES.PARAM.

2492 AEC-TR-5734 PAGE 57 (1961) R.YA.DOIL'NITSYN, L.P.KHAM'YANOV,
V.A.PARFENOV (USSR)
FAST CHOPPER. AREA ANALYSIS. RESOLUTION OF 20-45 NSEC/M.

73-TA-181 4.28-06 2.00-04 122 RES.PARAM.

2493 NUCLEAR PHYS. 9, 205 (1958) J.E.EVANS, B.B.KINSEY,
J.R.WATERS, O.H.WILLIAMS (AERE)
COMBINATION OF TRANSMISSION, SCATTERING, AND CAPTURE
MEASUREMENTS. AREA ANALYSIS

73-TA-181 4.28-06 9.88-05 29 RES.PARAM.

2494 PHYS. REV. 92, 1509 (1953) R.L.CHRISTENSEN (BNL)
CRYSTAL SPECTROMETER. AREA AND SHAPE ANALYSIS

73-TA-181 4.29-06 3.94-05 21 RES.PARAM.

2495 ORNL-3924 PAGE 30 (1966) H.H.JUNG, R.C.BLOCK, G.G.SLAUGHTER
(ORNL)
FAST CHOPPER. TRANSMISSION MEASUREMENTS. AREA ANALYSIS.
RESOLUTION OF 1-2 PERCENT BELOW 100 EV. AND 50 NSEC/M ABOVE
100 EV.

74-W-180 1.59-05 8.74-05 10 RES.PARAM.

2496 WASH-1046 PAGE 104 (1964) J.E.RUSSELL, R.W.HOCKENBURY,
R.C.BLOCK (RPI)
CAPTURE MEASUREMENT. AREA ANALYSIS. SEE ALSO REFERENCE 339
RPI, PROGRESS REPORT, OCTOBER-DECEMBER (TID-20132) P.32 (1963)
TID-20132 (1963)
RPI, PROGRESS REPORT, JANUARY-MARCH (RP-328-6) P.14 (1964)
RPI-328-6 (1964)
BNL-303 2ND ED. SUPPL.2 (1965)
FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCSC.
NATURAL ELEMENT AND ENRICHED ISOTOPES

74-W-NAT 9.80-05 2.17-04 2 RES.PARAM.
74-W-180 1.98-05 7.52-05 2 RES.PARAM.
74-W-182 4.14-06 2.12-05 4 RES.PARAM.
74-W-182 1.14-04 4.87-04 10 RES.PARAM.
74-W-183 7.65-06 1.00-04 15 RES.PARAM.
74-W-183 1.03-04 4.60-04 50 RES.PARAM.
74-W-184 1.02-04 4.24-04 7 RES.PARAM.
74-W-186 1.88-05 1.88-05 2 RES.PARAM.
74-W-186 1.71-04 5.12-04 7 RES.PARAM.

2497 PHYS. REV. 127, 1680 (1962) R.E.CHRIEN, H.H.BOLOTIN,
H.PALEVSKY (CHALK R.)
CAPTURE GAMMA-RAY MEASUREMENTS. NEUTRON RESOLUTION OF 70
NSEC/M.

78-PT-195 1.19-05 2.86-04 15 RES.PARAM.

2498 PHYS. REV. LETTERS 6, 695 (1961) R.E.COTE, L.M.BOLLINGER
(ANL)
CAPTURE GAMMA-RAY SPECTRA MEASUREMENTS. AREA ANALYSIS.

79-PT-195 6.74-05 6.74-05 1 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-355 ***

REF.NO.=2488

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2498

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2498 NEUTRON RESOLUTION OF 160 NSEC/M.

2499 J. EXPTL. THEORET. PHYS. (USSR) 38, 1446 (1960) N.D.GALANINA,
B.F.SHVARTSMAN, A.YA.DIAMANT (USSR)
CAPTURE GAMMA-RAY MEASUREMENT

78-PT-195 1.19-05 6.82-05 3 RES.PARAM.

2500 CAN. J. PHYS. 31, 1051 (1953) B.B.KINSEY, G.A.BARTHOLOMEW
(CHALK R.)
CAPTURE GAMMA-RAY SPECTRA MEASUREMENTS

80-HG-199 -2.00-06-2.00-06 1 RES.PARAM.

2501 ANL-6072 PAGE 4 (1959) G.E.THOMAS (ANL)
TRANSMISSION MEASUREMENT. RESOLUTION OF 18 NSEC/M.
FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCSC
BNL-325 2ND ED. SUPPL.2 (1965)78-PT-NAT 1.29-04 1.44-04 2 RES.PARAM.
78-PT-195 6.67-05 1.54-04 7 RES.PARAM.
78-PT-198 9.56-05 9.56-05 1 RES.PARAM.2502 PHYS. REV. 107, 1333 (1957) H.H.LONDON, E.R.RAE (AERE)
CAPTURE GAMMA-RAY SPECTRA MEASUREMENTS

80-HG-199 -2.00-06 1.77-04 3 RES.PARAM.

2503 BULL. AM. PHYS. SOC. 8, 513 (1963) R.C.BLOCK, M.C.MOXON
(AERE)
TRANSMISSION AND CAPTURE MEASUREMENTS. FOR PB204, ASSUMED L=0
AND J=1/2 NATURAL PB AND RADIOGENIC PB. WE HAVE USED THE
SPIN ASSIGNMENTS FROM REF.3081 FOR PB208 AND PB207 TO
DETERMINE G. BEST RESOLUTION OF 3 NSEC/M.
HASH-1048 PAGE 71 (1964)82-PB-NAT 1.23-02 2.44-02 2 RES.PARAM.
82-PB-204 1.60-03 1.29-03 10 RES.PARAM.
82-PB-206 3.35-03 2.94-02 9 RES.PARAM.
82-PB-207 1.68-02 1.68-02 2 RES.PARAM.2504 PHYS. REV. 110, 1472 (1958) J.D.FOX, R.L.ZIMMERMAN,
D.J.HUGHES, H.ALEVSKY, M.K.BRUSSEL, R.E.CHRIST (BNL)
FAST CHOPPER. CAPTURE GAMMA-RAY MEASUREMENT74-W-182 4.15-00 2.11-05 2 RES.PARAM.
74-W-183 7.62-06 4.01-05 4 RES.PARAM.2505 ZA-152 PAGE 83 (1967) L.A.VINNAS, S.B.HERDADE, C.RODRIGUEZ,
L.Q.DE AMARAL (BRAZIL)

26-FE-NAT 2.76-09 1.45-07 362 TOTAL

2506 PHYS. REV. 75, 11 (1950) S.P.HARRIS, C.O.MUEHLHAUSE,
G.E.THOMAS (ANL)
SCATTERING MEASUREMENT

79-AU-197 4.80-06 4.80-06 1 RES.PARAM.

2507 PHYS. LETTERS 14, 123 (1955) G.V.MURADYAN (USSR)
TRANSMISSION MEASUREMENT ON A MOVING SAMPLE26-FC-50 1.20-03 1.20-03 1 RES.PARAM.
40-ZR-91 1.02-04 2.93-04 3 RES.PARAM.2508 PRIVATE COMMUNICATION (1969) I.M.THORSON (CHALK R.)
RESULTS OF THE JOINT AECL-UKAEA SCATTERING LAW PROGRAM

H2O	0.	0.	3517 S(ALPHA,BETA)
D2O	5.45-10	5.52-10	3 SCATTER
D2O	0.	0.	4587 S(ALPHA,BETA)
40-ZR-NAT	5.39-10	5.39-10	1 SCATTER
40-ZR-NAT	5.39-10	5.39-10	1 ABSORP
40-ZR-NAT	0.	0.	503 S(ALPHA,BETA)
ZRH.63	5.39-10	5.39-10	1 SCATTER
ZRH.63	5.39-10	5.39-10	1 ABSORP
ZRH.63	0.	0.	649 S(ALPHA,BETA)
ZRH.90	5.44-10	5.44-10	1 SCATTER
ZRH.98	5.44-10	5.44-10	1 ABSORP
ZRH.98	0.	0.	668 S(ALPHA,BETA)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-356 ***

REF.NO.=2509

07/04/76

EC514-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NQ.=2508

REF BIBLIOGRAPHY

2508

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
ZRH1.98	5.44-10 5.44-10	1 SCATTER
ZRH1.98	5.44-10 5.44-10	1 ABSORP
ZRH1.98	0. 0.	652 S(1,ALPHA,BETA)
UO2	2.51-10 1.09-09	7 SCATTER
UO2	2.51-10 1.09-09	7 ABSORP
UO2	0. 0.	366 S(1,ALPHA,BETA)

2509 EANDC(OR)-03L PAGE 3 (1969) H.CONDE, J.HANSEN, M.HOLMBERG (SWEDEN)
LARGE LIQUID SCINTILLATOR. PVT.COMM. VIA NNCSC FROM H.CONDE (1971)
PHYS. AND CHEM. OF FISSION. IAEA. VIENNA. PAGE 928 (1969)
LI-7(P,N), T(P,N), D(P,N) SOURCES. CORRECTED FOR SPONTANEOUS FISSION, THERMAL INDUCED FISSION, PILE-UP, LOW ENERGY LI-7(P,N) NEUTRONS, FALSE GATES, FISSION FOIL THICKNESS

92-U	-236	7 70-01 6.70-00	21 NU-PRMT
92-U	-236	-6.40+00-6.40+00	1 NU-PRMT
92-U	-238	-6.14+00-6.14+00	1 NU-PRMT

2510 ACTA PHYSICA ACAD. SCI. HUNGARICAE 25, 261 (1968) A.ADAM, F.DEAK, P.HRASKO, L.JEKI, A.KISS, ZS.KOVESY, G.PALLA (HUNGARY)
TIME OF FLIGHT SPECTROMETER
YAD. FIZ. 8, 439 (1968)

92-U	-NAT	1.47+01 1.47+01	10 ELASTIC D(A)
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2511 PRIVATE COMMUNICATION (1969) J.M.NEILL (GGA)
LEAST SQUARES FIT TO SPECTRA MEASURED A CENTER OF GODIVA TYPE FAST CRITICAL ASSEMBLY

92-U	-235	1.10+00 1.10+00	1 NUCLEAR TEMP.
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2512 GA-0006 (1969) J.R.BEYSTER, V.J. ORPHAN, A.D. CARLSON, C.O.HOOT, J. JOHN, Y.D.NALIBOFF (GGA)
LINAC. GE(LI) DETECTOR
NUCLEAR SCIENCE AND ENGINEERING 42, 352 (1970)

7-N	-NAT	2.53+02 1.46+01	109 N,XO
8-O	-NAT	3.72+00 1.52+01	51 N,XO

2513 NUCLEAR SCIENCE AND ENGINEERING 36, 280 (1969) J.K.DICKENS, F.O.PEREY (ORNL)
GE(LI) DETECTOR. NEUTRON TIME OF FLIGHT METHOD
CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 2,811 (1968)
NUCLEAR SCIENCE AND ENGINEERING 40, 346 (1970)
ESTIMATED ERROR EQUALS 12 PERCENT

7-N	-NAT	1.00+00 0.55+00	145 N,XO D(A)
7-N	-14	0.60+00 1.10+01	208 N,XO D(A)

2514 ORNL-TM-2393 (1969) L.W.WESTON, R.OWIN, G.D.SAUSSURE, R.W.INGLE, J.H.TODD, C.H.CRAVEN, R.W.HOCKENBURY, R.C.BLOCK (RP1)
SIMULTANEOUS TIME OF FLIGHT MEASUREMENT OF RELATIVE CAPTURE AND FISSION CROSS SECTION
TRANS. AM. NUCLEAR SOC. 12, 278 (1969)

92-U	-233	1.67-08 1.08-06	50 N,FISS
92-U	-233	1.67-08 1.08-06	50 N,O
92-U	-233	1.67-08 1.08-06	50 CTA

2515 ANL-7636 (1963) A.D.SMITH, J.F.WHALEN, E.BARNARD, J.A.M.DE VILLIERS, D.REITHMANN (ANL)
TIME OF FLIGHT METHOD. MEASURED ANGULAR INTERVAL 2°-15°
DEGREES AT EIGHT ANGLES. CORRECTED FOR MULTIPLE SCATTERING.
RELATIVE TO DIFFERENTIAL CROSS SECTIONS OF CARBON
NUCLEAR SCIENCE AND ENGINEERING 41, 63 (1970)

03-01-209	2.00-01 1.40+00	1002 TOTAL
03-01-209	3.23-01 1.50+00	96 ELASTIC
03-01-209	1.09+00 1.52+00	20 N,N'
03-01-209	1.02+00 1.50+00	60 N,N' D(A)
03-01-209	3.00-01 1.56+00	20° ELASTIC LEGEND.COEFF

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
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*** 3-357 ***

REF.NO >2515

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2516

REF BIBLIOGRAPHY

- 2516 NUCLEAR SCIENCE AND ENGINEERING 42, 28 (1970) A.D.CARLSON,
R.J.CERBONE (GGA)
HIGH ENERGY RESOLUTION. TIME OF FLIGHT METHOD. N DATA
CORRECTED VIA PVT. COMM. (1970) A.D.CARLSON. FOR AN ERROR IN
THE ORIGINAL DETERMINATION OF THE TARGET THICKNESS
GA-9149 (1969)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
7-N-NAT	5.01-01	8.97+00	689 TOTAL
26-FE-NAT	4.62-01	9.01+00	3722 TOTAL

- 2517 PRIVATE COMMUNICATION (1969) S.CIERJACKS (KARLSRUHE)
TIME OF FLIGHT METHOD.
EURFNR-591 (1968) S.CIERJACKS, P.FORTI, D.KOPSCH, L.KROPP,
J.NEBE, H.UNSELD
KFK-1000 (1968)
EUR-3963E (0000)
FANDC(E)-111U (0000)
PHYS. LETTERS 29, 417 (1969)
SEE ALSO PRIVATE COMMUNICATION FROM J.NEBE (1970)
KARLSRUHE CYCLOTRON. UID(XN) SOURCE. TIME OF FLIGHT. TRANS-
MISSION. CORRECTED FOR BACKGROUND AND DEAD TIME. MULTIPLE
SCATTERING NEGLIGIBLE

6-C-NAT	6.73-01	3.19+01	4300 TOTAL
8-O-NAT	4.63-01	4.01+01	5394 TOTAL
11-NA-23	9.00-01	1.05+00	334 TOTAL
11-NA-23	2.88-01	3.19+01	6975 TOTAL
13-AL-27	5.00-01	3.19+01	5101 TOTAL
14-SI-NAT	5.00-01	3.19+01	5115 TOTAL
16-S-NAT	5.00-01	3.19+01	5115 TOTAL
17-CL-NAT	5.00-01	3.19+01	5129 TOTAL
19-K-NAT	3.60-01	3.19+01	6179 TOTAL
20-CA-NAT	5.00-01	3.19+01	5113 TOTAL
23-V-NAT	3.60-01	3.19+01	6178 TOTAL
24-CR-NAT	5.00-01	3.19+01	5114 TOTAL
25-MN-35	5.00-01	3.19+01	5129 TOTAL
26-FE-NAT	5.00-01	3.19+01	5113 TOTAL
27-CO-59	3.60-01	3.19+01	6178 TOTAL
28-NI-NAT	5.00-01	3.19+01	5114 TOTAL
91-TL-NAT	4.20-01	3.19+01	5633 TOTAL
81-BI-209	4.20-01	3.19+01	5632 TOTAL

- 2518 AERE-R-6074 (1969) M.C.MOXON (AERE)

92-U-238	5.50-04	9.50-02	23 N.O
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- 2519 AWRE-C-47/69 (1939) D.S.MATHER, L.F.PAIN (AWRE)
LARGE LIQUID SCINTILLATION COUNTER. RELATIVE TO U238 FISSION
CROSS SECTION AND $\nu = 3.75? + 0.024$ FOR CF252

1-H-3	1.40+01	1.40+01	1 N,2N
1-H-3	1.40+01	1.40+01	1 N,3N
2-H-3	1.40+01	1.40+01	1 N,2N
3-L-6	1.40+01	1.40+01	1 N,2N
3-L-7	1.40+01	1.40+01	1 N,2N
3-L-7	1.40+01	1.40+01	1 N,3N
5-B-10	1.40+01	1.40+01	1 N,PN
5-B-11	1.40+01	1.40+01	1 N,2N
29-CU-NAT	1.40+01	1.40+01	1 N,2N
39-Y-89	1.40+01	1.40+01	1 N,2N
82-PB-NAT	1.40+01	1.40+01	1 N,2N
92-U-238	1.40+01	1.40+01	1 N,2N
92-U-238	1.40+01	1.40+01	1 N,3N

- 2520 CAN. J. PHYS. 47, 1317 (1969) C.B.BIGHAM, R.W.DURHAM,
J.UNORIN (CHALK R.)
MEASUREMENT OF THE THERMAL NEUTRON CONVERSION RATIO IN
NATURAL URANIUM

92-U-238	2.53-08	2.53-08	1 ABSORP
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- 2521 RADIOCHIMICA ACTA 11, 108 (1969) O.BIRGUL, S.J.LYLE (ENGLAND)
RADIOCHEMICAL METHOD

91-PA-231	1.48+01	1.48+01	1 N,FISS
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- 2522 ATOMNAYA ENERGIYA 29, 422 (1970) S.B.ERMAGAMBEYOV,
G.N.SMIRENKIN

94-PU-238	2.40-03	2.40+00	31 N,FISS
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REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-338 ***

REF.NO.=2522

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2522

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2522 ZHETF PISMA RED. 9, 510 (1969)

2523 TRANS. AM. NUCLEAR SOC. 12, 279 (1969) W.P. POENITZ (ANL)
MEASURED NP239 ACTIVITY AND DETECTED FISSION FRAGMENTS. WE
HAVE DETERMINED U238(N,GAMMA) CROSS SECTION BY TAKING THE
U235 FISSION CROSS SECTION AS 2.25, 1.55, 1.20 AND 1.18 BARNS
AT 0.030, 0.130, 0.500 AND 0.900 MEV, RESPECTIVELY

92-U -238 3.00-02 9.00-01 4 N,G

2525 TRANS. AM. NUCLEAR SOC. 12, 284 (1969) J.D. SPENCER,
N.P. BAUMANN (DUPONT-SRL)
BACK-TO-BACK FISSION IONIZATION CHAMBER. RELATIVE TO U235
FISSION CROSS SECTION AND R1

93-NP-238 2.50-08 2.50-08 1 N,FISS SPECT.AV.
93-NP-238 5.00-07 1.50+01 1 N,FISS RES.INT.

2526 NUCLEAR SCIENCE AND ENGINEERING 39, 361 (1970) W.K. LEHTO
(ANL)
LEAD SLOWING DOWN SPECTROMETER
TRANS. AM. NUCLEAR SOC. 12, 261 (1969)

92-U -233 2.40-04 2.40-02 26 N,FISS C/S RATIO
94-PU-239 2.40-04 2.40-02 26 N,FISS C/S RATIO

2527 ATOMNAYA ENERGIYA 15, 321 (1963) B.P. MAKSYUTENKO (USSR)
RELATIVE TO U235 THERMAL. WE HAVE USED U235 THERMAL NU
DELAYED = 0.0154 NEUTRONS/FISSION

92-U -233 1.50+01 1.50+01 1 NU-DLAY

2528 ANCR-1016 PAGE 283 (1971) O.D. SIMPSON, F.B. SIMPSON
(AEROJET NUCLEAR)
FIT TO TOTAL CROSS SECTION OF REF.1349 AND CAPTURE AND
FISSION RESULTS OF REF.2106

94-PU-239 7.81-06 2.98-04 474 RES.PARAM.

2529 ANCR-1044 (1971) J.R. SMITH, R.C. YOUNG (AEROJET NUCLEAR)
ANCR-1016 PAGE 292 (1971)
A SHAPE FIT TO THE TOTAL CROSS SECTION DATA OF REF. 963 AND
THEN ADJUSTMENT OF THE CAPTURE AND FISSION WIDTHS TO MATCH
THE CAPTURE AND FISSION CROSS SECTION OF REF.1025. CHECKS
WERE ALSO MADE AGAINST THE DATA OF REF.3125, 1544 AND 406.
THESE RESONANCE PARAMETERS ARE IN THE ENDF/B III FILE

92-U -235 1.14-06 8.14-05 500 RES.PARAM.

2530 NUCLEAR PHYS. 139, 471 (1969) D.D. JAMES, G.G. SLAUGHTER (AERE)
TRANSMISSION MEASUREMENT COMBINED WITH FISSION DATA FROM
REFERENCE 2097. AREA ANALYSIS
WASH-1127 PAGE 165 (1969)
AERE-PR/NP-18 PAGE 6 (1969) G.D. JAMES, G.G. SLAUGHTER,
D.A.J. ENDACOTT

92-U -234 5.00-06 2.10-04 2 AV.RES.PARAM.
92-U -234 5.19-06 8.17-04 76 RES.PARAM.

2531 NUCLEAR SCIENCE AND ENGINEERING 39, 368 (1970) M.M. BRETSCHER,
H.C. REDMAN (ANL)
RESULTS REPORTED ARE EFFECTIVE VALUES OF ALPHA. REACTIVITY
REACTION RATE TECHNIQUE

92-U -235 1.00-04 2.50-02 1 ALPHA RES.INT.
94-PU-239 1.00-04 2.50-02 1 ALPHA RES.INT.

2532 EANDC(2)-1150 PAGE 149 (1968) I. SZABO, P. QUENTIN (SACLAY)

94-PU-239 1.17-01 3.68-01 9 N,FISS

2533 J. NUCLEAR ENERGY 24, 181 (1970) N.D. DUDEY, R.R. HEINRICH,
A.A. MADSON (ANL)
ACTIVATION METHOD. RELATIVE TO U235(N,F) AND A197(N,GAMMA)

37-RB-85 1.56-01 1.48+00 28 N,G
37-RB-87 1.56-01 1.56+00 23 N,G
39-Y -89 1.62-01 1.44+00 24 N,G

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-359 ***

REF.NO.=2533

07/04/75

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 2533

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2533 CROSS SECTIONS.

ANL-7575 PAGE 170 (1969)

2534 NUCLEAR PHYS. 134, 535 (1969) H. WEIGMANN, J. WINTER, M. HESKE
(GEEL)
MEASUREMENT OF CAPTURE GAMMA-RAY SPECTRA
EANDC(E)-1150 PAGE 217 (1968)

92-U -235 6.39-06 3.94-05 17 RES. PARAM.

2535 IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 32, 653 (1968)
O. A. SAL'NIKOV, N. I. FETISOV, G. N. LOVCHIKOVA, G. V. KOTEL'NIKOVA,
V. B. ANUFRIENKO, B. V. DEVKIN (PHYSICS-ENERGETICS INSTITUTE)
TIME OF FLIGHT SPECTROMETER

90-TH-232 1.41+01 1.41+01 1 NUCLEAR TEMP.
92-U -235 1.41+01 1.41+01 1 NUCLEAR TEMP.
92-U -236 1.41+01 1.41+01 1 NUCLEAR TEMP.

2536 ANALES FISICA 64, 373 (1968) F. MANERO (SPAIN)
TRANSMISSION MEASUREMENT

90-TH-230 3.34+00 5.10+00 60 TOTAL

2537 NUCLEAR PHYS. 123, 561 (1969) J. MORGENSTERN, R. N. ALVES,
J. JULIEN, C. SAMDUR (SACLAY)
TIME OF FLIGHT. MULTILEVEL SHAPE FIT. RESOLUTION
APPROXIMATELY 0.5 N SEC/M. SEE ALSO
CEA-R-3609 (1968)

17-CL-NAT 2.72-02 0.99-02 8 RES. PARAM.
17-CL-35 0. 1.15-01 2 AV. RES. PARAM.
17-CL-35 1.47-02 1.13-01 16 RES. PARAM.
17-CL-37 0. 1.15-01 2 AV. RES. PARAM.
17-CL-37 1.62-02 9.27-02 12 RES. PARAM.
23-V -51 0. 1.30-01 2 AV. RES. PARAM.
23-V -51 2.94-02 1.30-01 48 RES. PARAM.
39-Y -89 0. 3.00-02 2 AV. RES. PARAM.
39-Y -89 2.59-03 3.00-02 51 RES. PARAM.
40-ZR-NAT 1.99-03 1.99-03 1 RES. PARAM.
40-ZR-91 0. 2.00-03 2 AV. RES. PARAM.
40-ZR-91 1.81-04 2.00-03 28 RES. PARAM.
40-ZR-96 3.00-04 3.00-04 5 RES. PARAM.
57-LA-139 0. 1.00-02 1 AV. RES. PARAM.
57-LA-139 7.23-05 3.10-02 171 RES. PARAM.
59-PR-141 0. 6.00-03 1 AV. RES. PARAM.
59-PR-141 4.11-04 5.72-03 93 RES. PARAM.
83-BI-209 0. 7.30-02 2 AV. RES. PARAM.
83-BI-209 4.43-03 7.03-02 75 RES. PARAM.

2538 PRIVATE COMMUNICATION (1956) V. E. PILCHER (BNL)
FAST CHOPPER. AREA ANALYSIS. NATURAL ELEMENT AND ENRICHED
ISOTOPES

56-BA-135 8.20-05 5.16-04 21 RES. PARAM.
56-BA-136 1.03-04 1.03-04 2 RES. PARAM.
56-BA-137 4.24-04 5.91-04 4 RES. PARAM.
59-PR-141 8.55-05 1.80-03 20 RES. PARAM.

2539 PRIVATE COMMUNICATION (1966) R. E. COTE (ANL)
FAST CHOPPER. TRANSMISSION AND CAPTURE GAMMA SPECTRA
MEASUREMENTS. NATURAL ELEMENT AND ENRICHED ISOTOPES
WASH-1053 PAGE 11 (1964)

52-TE-NAT 1.82-04 1.82-04 1 RES. PARAM.
52-TE-122 7.25-05 7.25-05 1 RES. PARAM.
52-TE-123 2.33-05 3.66-04 8 RES. PARAM.
52-TE-124 1.98-04 1.98-04 1 RES. PARAM.
52-TE-125 2.59-05 4.25-04 10 RES. PARAM.
52-TE-126 1.98-04 1.98-04 1 RES. PARAM.
52-TE-128 4.37-04 4.37-04 1 RES. PARAM.

2540 BULL. AM. PHYS. SOC. 5, 10 (1963) H. H. BOLOTIN, R. E. CHRIEN
(BNL)
FAST CHOPPER. AREA ANALYSIS. ASSUMED GAMMA-GAMMA = 0.104 EV.

52-TE-122 7.28-05 7.28-05 2 RES. PARAM.
52-TE-123 2.41-05 1.99-04 8 RES. PARAM.
52-TE-125 2.63-05 2.90-04 10 RES. PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-360 ***

REF. NO. = 2540

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2540

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2540 NATURAL ELEMENT AND ENRICHED ISOTOPES	52-TE-126	2.01-04 2.01-04	2 RES.PARAM.
2541 PRIVATE COMMUNICATION (1956) F.B.SIMPSON (PHILLIPS) FAST CHOPPER. AREA ANALYSIS	52-TE-123	2.39-05 3.58-05	2 RES.PARAM.
2542 PHYS. REV. 94, 790 (1954) H.L.FOOTE, JR. (BNL) CRYSTAL SPECTROMETER. SCATTERING AND TRANSMISSION MEASUREMENTS	52-TE-123	2.33-06 2.47-05	5 RES.PARAM.
2543 WASH-1044 PAGE 20 (1963) P.P.SINGH, R.E.COTE (ANL) FAST CHOPPER	52-TE-126 52-TE-128	2.00-04 2.00-04 4.26-04 1.05-02	1 RES.PARAM. 6 RES.PARAM.
2544 NUCLEAR SCIENCE AND ENGINEERING 17, 371 (1963) N.J.PATTENDEN (ORNL) FAST CHOPPER. AREA ANALYSIS. GAMMA-GAMMA ASSUMED TO BE 0.100 EV FOR THE 1 RESONANCES. RESOLUTION FROM 3000 DOWN TO 60 NGEC/M.	53-1 -127 53-1 -127 53-1 -129 53-1 -129 53-1 -129 62-SM-147 62-SM-149 62-SM-151 62-SM-151 62-SM-151 62-SM-152	0. 2.05-05 1.69-04 2.50-08 2.50-08 0. 7.24-05 1.53-04 3.42-06 3.42-06 6.73-07 8.73-07 2.53-08 2.53-08 0. -1.50-08 1.27-05 8.09-06 8.09-06	2 AV.RES.PARAM. 9 RES.PARAM. 1 ABSORP SPECT.AV. 2 AV.RES.PARAM. 5 RES.PARAM. 1 RES.PARAM. 1 RES.PARAM. 1 TOTAL 2 AV.RES.PARAM. 15 RES.PARAM. 1 RES.PARAM.
2545 ORNL-2501 PAGE 26 (1958) G.O.SLAUGHTER, R.C.BLOCK, J.A.HARVEY (ORNL) FAST CHOPPER. AREA ANALYSIS. BEST RESOLUTION OF 60 NSEC/M. BULL. AM. PHYS. SOC. 3, 177 (1958)	53-1 -127 53-1 -127 79-AU-197 79-AU-197	0. 2.05-05 1.95-04 0. 6.10-05 2.66-04	3 AV.RES.PARAM. 20 RES.PARAM. 3 AV.RES.PARAM. 20 RES.PARAM.
2546 INTERNATIONAL CONF. ON NUCLEAR PHYSICS. PARIS. 2, 673 (1964) L.M.BOLLINGER, R.E.COTE, H.E.JACKSON (ANL) FAST CHOPPER. SPINS DETERMINED FROM INTENSITIES OF 2-STEP GAMMA-RAY CASCADES. SEE ALSO REFERENCE 940 BULL. AM. PHYS. SOC. 9, 433 (1964)	46-PD-105 48-CD-111 48-CD-113 56-BA-135 72-HF-177	1.18-05 3.89-04 2.80-05 1.64-04 2.00-07 2.15-04 2.45-05 3.18-04 1.10-06 2.24-05	26 RES.PARAM. 4 RES.PARAM. 6 RES.PARAM. 7 RES.PARAM. 9 RES.PARAM.
2547 NUCLEAR PHYS. 131, 305 (1969) S.DE BARROS, V-D.HUYNH, J.JULIEN, J.MORGENSTERN, C.SAMOUR (SACLAY) TIME OF FLIGHT TECHNIQUE. SHAPE ANALYSIS. SEE ALSO BULL. AM. PHYS. SOC. 11, 337 (1966) S.DE BARROS, G.LE POITTEVIN CEA-R-3077 (1967) S.DE BARROS CEA-R-3385 (1968) J.JULIEN NUCLEAR PHYS. 121, 55 (1968) C.SAMOUR, H.E.JACKSON, J.JULIEN, A.BLOCK, C.LOPATA, J.MORGENSTERN	47-AG-NAT 47-AG-NAT 47-AG-107 47-AG-107 47-AG-109 47-AG-109 69-TM-169 69-TM-169 78-PT-NAT 78-PT-192 78-PT-194 78-PT-195 78-PT-195 78-PT-195 78-PT-198	4.00-06 7.50-04 3.16-04 7.53-04 4.00-06 7.50-04 3.11-04 7.22-04 4.00-06 7.50-04 2.91-04 7.47-04 2.00-06 7.50-04 3.90-06 7.60-04 9.81-05 8.20-04 4.65-05 5.80-04 3.77-04 6.98-04 1.00-05 8.30-04 1.18-05 8.25-04 3.03-04 5.65-04 9.58-05 9.58-05	2 AV.RES.PARAM. 17 RES.PARAM. 1 AV.RES.PARAM. 4 RES.PARAM. 1 AV.RES.PARAM. 58 RES.PARAM. 4 AV.RES.PARAM. 189 RES.PARAM. 35 RES.PARAM. 23 RES.PARAM. 14 RES.PARAM. 4 AV.RES.PARAM. 157 RES.PARAM. 3 RES.PARAM. 4 RES.PARAM.
2548 PRIVATE COMMUNICATION (1965) K.G.IGNAT'EV, A.N.SOLDATOV,	76-OS-NAT	5.04-05 3.17-04	18 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-361 ***

REF.NO.=2548

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 2548

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2548 S. I. SUKHODRUCHKIN (USSR) TIME OF FLIGHT TECHNIQUE BNL-325 2ND ED. SUPPL. 2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS.	76-OS-189 77-IR-NAT 77-IP-191 77-IR-193 81-AL-203	5.05-05 6.07-05 1.92-05 4.16-04 1.92-05 1.03-04 2.44-05 1.09-04 2.38-04 2.38-04	3 52 16 10 1	RES. PARAM. RES. PARAM. RES. PARAM. RES. PARAM. RES. PARAM.
2549 BULL. AM. PHYS. SOC. 4, 271 (1959) H. H. BOLOTIN, R. E. CHRIEN (BNL) FAST CHOPPER. AREA ANALYSIS. NATURAL ELEMENT AND ENRICHED ISOTOPES	77-IR-191 77-IR-191 77-IR-191 77-IR-193 77-IR-193 77-IR-193	2.53-08 2.53-08 0. 4.00-05 9.07-06 1.03-04 2.53-08 2.53-08 0. 1.50-02 9.0 -06 2.23-04	1 2 19 1 3 16	TOTAL AV. RES. PARAM. RES. PARAM. TOTAL AV. RES. PARAM. RES. PARAM.
2550 PHYS. REV. 72, 109 (1947) R. B. SAWYER, E. O. MOLLAN, S. BERNSTEIN, K. C. PETERSON (CLINTON LAB) BENT CRYSTAL SPECTROMETER	77-IR-191 77-IR-193	6.20-07 6.20-07 1.29-06 1.29-06	1 1	RES. PARAM. RES. PARAM.
2551 PHYS. REV. 100, 1338 (1955) G. IGO (BNL) CRYSTAL SPECTROMETER. SHAPE AND AREA ANALYSIS BNL-325 2ND ED. SUPPL. 2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS.	75-RE-185 75-RE-187	2.15-06 1.28-05 4.41-06 1.11-05	8 5	RES. PARAM. RES. PARAM.
2552 PRIVATE COMMUNICATION (1968) R. C. BLOCK (RP1) TIME OF FLIGHT METHOD	13-AL-27 28-NI-NAT	3.98-03 1.42-01 2.47-03 1.93-01	601 3151	N.O N.O
2553 NRDC-135 PAGE 10 (1961) M. C. MOXON, R. L. MACKLIN (AERE) TIME OF FLIGHT METHOD. MULTILEVEL FIT	23-V -51	4.15-03 3.06-02	21	RES. PARAM.
2554 CAN. J. CHEM. 31, 391 (1953) N. MOSS, L. YAFFE (CHALK R.) ACTIVATION METHOD. BASED ON Au ¹⁹⁷ (N,GAMMA) CROSS SECTION = 93 BARNS	27-CO-59	2.50-08 2.50-08	1	N.O SPECT. AV.
2555 REV. SCI. INSTR. 27, 620 (1956) C. J. HEINOL, I. H. RUEDERMAN, J. M. OSTROWSKI, J. R. LIGENZA, D. M. GARDNER (COLUMBIA U.) NEUTRON REFLECTION TECHNIQUE	29-CU-NAT 52-TE-NAT 52-TE-120 52-TE-123 52-TE-130	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 1 1 1 1	COHERT COHERT COHERT COHERT COHERT
2556 PHYS. REV. 129, 769 (1963) B. P. SCH (PHILLIPS PET) THERMAL NEUTRON ACTIVATION	27-CO-59 37-RB-85 37-RB-85 47-AC-109 49-IN-113 49-IN-113 77-IR-191 77-IR-191 77-IR-193	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 5 1 1 1 1 1 1	N.O SPECT. AV. N.O SPECT. AV. N.O SPECT. AV. N.O SPECT. AV. N.O SPECT. AV. N.O SPECT. AV. N.O SPECT. AV. N.O SPECT. AV. N.O SPECT. AV.
2557 NUKLEONIKA 8, 437 (1963) E. T. JOSEFOWICZ (POLAND) ABSOLUTE BETA ACTIVITY MEASUREMENTS	11-NI-23 15-P -31 49-IN-115 53-I -127	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1 3	ABSORP SPECT. AV. ABSORP SPECT. AV. ABSORP SPECT. AV. ABSORP SPECT. AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-362 ***

REF. NO. = 2557

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2558

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2558 NUKLEONIK 8, 443 (1963) J.BOUZYK, W.SUWALSKI, J.TOPA (POLAND) PILE OSCILLATOR METHOD. SEE ALSO REFERENCE 2559	3-LI-NAT 17-CL-NAT 25-MN-55 29-CU-NAT	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1 1	ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV.
2559 REACTOR CONF., BUCHAREST (1961) J.BOUZYK, W.DABEK, C.DABROWSKI, K.JOZEFOWICZ, J.KOZMINSKI, W.SUWALSKI, J.TOPA, Z.WEISS (POLAND) PILE OSCILLATOR METHOD. SEE ALSO REFERENCE 2558	16-S -NAT 19-K -NAT 23-V -NAT 26-FE-NAT	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1 1	ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV.
2560 CAN. J. CHEM. 31, 204 (1953) R.M.BARTHOLOMEW, R.C.HAWKINS, W.F.MERRITT, L.YAFFE (CHALK R.) ACTIVATION METHOD. RELATIVE TO Au197 CROSS SECTION OF 93 BARN	11-NA-23 25-MN-55	2.50-08 2.50-08 2.50-08 2.50-08	1 1	N,G SPECT.AV. N,G SPECT.AV.
2561 PHYS. REV. 118, 797 (1960) C.D.SHULL, M.K.WILKINSON, M.H.MUELLER (ORNL) NEUTRON DIFFRACTION STUDIES. RELATIVE TO NI COHERENT SCATTER- ING AMPLITUDE OF 1.03E-12 CM	22-TI-NAT 22-TI-NAT 22-TI-46 22-TI-46 22-TI-47 22-TI-47 22-TI-48 22-TI-48 22-TI-49 22-TI-49 22-TI-50 22-TI-50	7.00-08 7.00-08	1 1 1 1 1 1 1 1 1 1 1 1	SCATTER COHERT SCATTER COHERT SCATTER COHERT SCATTER COHERT SCATTER COHERT SCATTER COHERT
2562 PHYS. REV. 89, 657 (1953) E.E.LOCKETT, E.BOWELL (AEC) PILE OSCILLATOR METHOD. RELATIVE TO B ABSORPTION CROSS SECTION = 710 BARNS	21-SC-43	2.50-08 2.50-08	1	ABSORP SPECT.AV.
2563 PRIVATE COMMUNICATION (1952) H.S.POMERANCE THIS DATA REPORTED IN REFERENCE 2562. SEE ALSO REFERENCE 882	21-SC-45	2.50-08 2.50-08	1	ABSORP SPECT.AV.
2564 PHYS. REV. 83, 379 (1951) R.J. WEISS (BNL) SMALL ANGLE SCATTERING ON FINELY DIVIDED MATERIALS	14-SI-NAT 22-TI-NAT 28-NI-NAT 33-AS-75 46-PD-NAT 51-SB-NAT 83-BI-209	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 1 1 1 1 1 1	COHERT COHERT COHERT COHERT COHERT COHERT COHERT
2565 NUKLEONIK 2, 255 (1960) O.WOLF (FRMANY) ABSOLUTE BETA-GAMMA COUNTING. RELATIVE TO Au197 (N.GAMMA) CROSS SECTION = 98.7 BARNS	7-N -NAT 27-CO-59 73-TA-181	5.00-03 4.80-01 2.53-08 2.53-08 2.50-08 2.50-08	89 1 1	TOTAL N,G N,G SPECT.AV.
2566 BULL. AM. PHYS. SOC. 13, 1421 (1968) A.DE VOLPI, K.G.PORDES (ANL) MANGANESE BATH TECHNIQUE	16-S -NAT	2.53-08 2.53-08	1	ABSORP
2567 PHYS. REV. 82, 953 (1951) L.YAFFE, R.C.HAWKINS, W.F.MERRITT, J.H.CRAVEN (CHALK R.)	27-CO-59	2.53-08 2.53-08	1	N,G

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-363 ***

REF.NO.=2567

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2567

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2567 ACTIVATION TECHNIQUE. RELATIVE TO AU197 CAPTURE CROSS SECTION OF 93 BARNs

2568 PHYS. REV. 83, 1059 (1951) M.DEUTSCH, G.SCHARFF-GOLDHABER (BNL)

27-CO-59 2.53-08 2.53-08 1 N,0
27-CO-59 2.53-08 2.53-08 1 N,0

ACTIVATION TECHNIQUE

2569 REV. ROM. PHYS. 6, 311 (1961) AL.STEFANESCU, M.SABAU (BUCAREST)

12-MG-NAT 2.53-08 2.53-08 1 ABSORP
13-AL-27 2.53-08 2.53-08 1 ABSORP

PILE OSCILLATOR

SYMPOSIUM PILE OSCIL.MEAS.NEUT.ABSORP. BUCHAREST, P.553(1961)

23-V -NAT 2.53-08 2.53-08 1 ABSORP
27-CO-59 2.53-08 2.53-08 1 ABSORP
29-CU-NAT 2.53-08 2.53-08 1 ABSORP
50-SN-NAT 2.53-08 2.53-08 1 ABSORP
82-PB-NAT 2.53-08 2.53-08 1 ABSORP
92-U -NAT 2.53-08 2.53-08 1 ABSORP2570 NUCLEAR SCIENCE AND ENGINEERING 7, 184 (1960) D.V.DONAHUE, R.A.BENNETT, D.D.LANNING (HANFORD)
REACTIVITY COEFFICIENT MEASUREMENT. RELATIVE TO AU197 (0.0253 EV) CROSS SECTION = 98.8 BARNs

29-CU-NAT 2.53-08 2.53-08 1 ABSORP

2571 BULL. AM. PHYS. SOC. B, 334 (1963) S.S.GLICKSTEIN, R.O.WINTER (PENN STATE U.)
RELATIVE TO AL27(N,GAMMA) CROSS SECTION = 0.241 +- 0.003 BARN
AND V ABSORPTION CROSS SECTION OF 5.00 +- 0.01 BARN23-V -50 2.53-08 2.53-08 1 N,0
23-V -51 2.53-08 2.53-08 1 N,02572 PHYS. REV. 89, 366 (1953) G.A.BARTHOLOMEW, B.B.KINSEY (CHALK R.)
INTENSITY OF CAPTURE GAMMA-RAYS

23-V -50 2.53-08 2.53-08 1 N,0

2573 PRIVATE COMMUNICATION (1962) R.SHER, B.A.MAGURNO (BNL)
ACTIVATION ANALYSIS. RELATIVE TO AU-197 CROSS SECTIONS = 98.8 BARNs13-AL-27 2.53-08 2.53-08 1 N,0
23-V -51 2.53-08 2.53-08 1 N,02574 PRIVATE COMMUNICATION (1956) B.GRIMELAND (JENER)
RELATIVE TO P31 CROSS SECTIONS = 0.19 BARNs FOR FE58 CROSS SECTIONS, AND NA23 CROSS SECTIONS = 0.535 BARNs FOR AL27 CROSS SECTIONS13-AL-27 2.50-08 2.50-08 1 N,0 SPECT.AV.
26-FE-58 2.50-08 2.50-08 1 N,0 SPECT.AV.
47-AG-109 2.50-08 2.50-08 1 N,0 SPECT.AV.2575 EANDC(E)-570 PAGE 171 (1965) J.C.CARRE (SACLAY)
PILE OSCILLATOR

27-CO-59 2.53-08 2.53-08 1 N,0

2576 INT/PI-171/135 (1963) R.DE SHINIARSKI, J.CZERNY, Y.DROULERS (CEN GRENOBLE)
AS QUOTED IN REFERENCE 1856

27-CO-59 2.50-08 2.50-08 1 N,0 SPECT.AV.

2577 DPE-SPE-63/503/831 (1963) M.CANCE, J.COMERA, C.HYVER (CEN SACLAY)
ACTIVATION TECHNIQUE

27-CO-59 2.50-08 2.50-08 1 N,0 SPECT.AV.

2578 JAERI-1009 (1960) T.FUKETA, S.OTOMO (JAPAN)
PILE OSCILLATOR. RELATIVE TO AU197 ABSORPTION CROSS SECTION13-AL-27 2.50-08 2.50-08 1 ABSORP SPECT.AV.
45-RH-103 2.50-08 2.50-08 1 ABSORP SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-364 ***

REF.NO.=2578

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2578

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2578 OF 98.8 BARNS	47-AG-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	49-IN-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
2579 AERE-R/R-2333 (1957) J.D.CUMMINS (AERE)	1-H -1	2.50-08 2.50-08	1	ABSORP SPECT.AV.
PILE OSCILLATOR METHOD. RELATIVE TO HARVELL. B CROSS SECTION	45-RH-103	2.50-08 2.50-08	1	ABSORP SPECT.AV.
OF 783 BARNS	55-CS-133	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	57-LA-NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	59-PR-141	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	61-NO-143	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	62-SM-149	2.50-08 2.50-08	1	ABSORP SPECT.AV.
	79-AU-197	2.50-08 2.50-08	1	ABSORP SPECT.AV.
2580 J. NUCLEAR ENERGY 1, 231 (1954) B.GRIMELAND (JENER)	11-NA-23	2.50-08 2.50-08	1	N.O SPECT.AV.
ACTIVATION ANALYSIS. SEE REFERENCE FOR NORMALIZATION	15-P -31	2.50-08 2.50-08	1	N.O SPECT.AV.
2581 ANN. PHYSIK 12, 225 (1953) K.F.ALEXANDER, H.F.BRINCKMANN	11-NA-23	2.50-08 2.50-08	1	N.O SPECT.AV.
SCINTILLATOR MEASUREMENT OF GAMMA RAY INTENSITY. ASSUMED 93.5	31-GA-71	2.50-08 2.50-08	1	N.O SPECT.AV.
PERCENT OF B-10(N,ALPHA) REACTIONS LEAD TO LI-7(EXCITED) AND	32-GE-70	2.50-08 2.50-08	1	N.O SPECT.AV.
B CROSS SECTION = 762 BARNS	34-SE-76	2.50-08 2.50-08	1	N.O SPECT.AV.
	49-IN-115	2.50-08 2.50-08	1	N.O SPECT.AV.
	58-ER-166	2.50-08 2.50-08	1	N.O SPECT.AV.
	70-YB-174	2.53-08 2.53-08	1	N.O SPECT.AV.
	70-YB-174	2.50-08 2.50-08	1	N.O SPECT.AV.
2582 PHYS. REV 174, 1105 (1968) A.C.BERICK, R.A.J.RIDDLE,	1-H -2	1.43+01 1.43+01	1	ELASTIC
C.M.YORK (UCLA)	1-H -2	1.43+01 1.43+01	19	ELASTIC DIA)
TIME OF FLIGHT MEASUREMENT. CORRECTED FOR MULTIPLE SCATTERING				
RELATIVE TO A N,P TOTAL CROSS SECTION OF 0.689 BARNS				
2583 C00-1573-33 PAGE 2 (1967) W.L.ROGERS, E.F.SHRADER, J.T.LINDOW	6-C -NAT	2.33+00 2.33+00	6	ELASTIC DIA)
(CASE)	28-NI-58	2.33+00 2.33+00	3	N,N' DIA)
TIME OF FLIGHT METHOD	28-NI-60	2.33+00 2.33+00	5	N,N' DIA)
	29-CU-65	2.33+00 2.33+00	10	N,N' DIA)
2584 AEC/EP-15 (1966) M.AHMED, M.AHSAN, S.A.ALI, M.HUSSAIN	13-AL-27	7.56-01 7.56-01	1	TOTAL
(E.PAKISTAN)				
TRANSMISSION MEASUREMENT				
2585 PRIVATE COMMUNICATION (1966) R.BOUCHEZ (U.ORENoble,FRANCE)	4-GE-9	1.40+01 1.40+01	1	ELASTIC
TIME OF FLIGHT TECHNIQUE	4-GE-9	1.40+01 1.40+01	1	N,N'
IAEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/75 (1966)	4-GE-9	1.40+01 1.40+01	18	ELASTIC DIA)
F.MERCEZ, V.REGIS, V.S.NOUVEN, R.DARVES-BLANC,	4-GE-9	1.40+01 1.40+01	18	N,N' DIA)
D.L.PHAM, R.BOUCHEZ				
2586 PRIVATE COMMUNICATION (1966) G.VEDRENNE (FRANCE)	1-H -2	1.41+01 1.41+01	1	N,2N
THE (N,2N) ANGULAR DISTRIBUTIONS WERE OBTAINED BY INTEGRATING	1-H -2	1.20+00 1.42+01	89	ELASTIC DIA)
THE ENERGY SPECTRA ABOVE 2.5 MEV	1-H -2	1.41+01 1.41+01	12	N,2N DIA)
NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/39 (1965)	1-H -2	1.41+01 1.41+01	2	N,2N A1-A2
G.VEORENNE, D.BLANC, F.CAMBOU	1-H -2	1.41+01 1.41+01	1	N,2N E1-E2,A1-A2
2587 NUCLEAR PHYS. 111, 255 (1968) M.FAZIO, P.GUAZZONI,	9-F -19	1.41+01 1.41+01	33	N,P DIA)
S.MICHELETTI, M.PIGNANELLI, L.ZEITA (ITALY)	9-F -19	1.40+01 1.46+01	22	N.O DIA)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-365 ***

REF.NO.=2587

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2587 COUNTER TELESCOPE, RELATIVE TO H DIFFERENTIAL CROSS SECTION = 225 MB/SR AT 10 JEO (LAB). THE F-19(D,P) CROSS SECTION TO THE 0.058 MEV EXCITED STATE INCLUDES THE FIRST EXCITED STATE AS WELL AS THE GROUND STATE. THE F-19(D,P) CROSS SECTION TO THE 3.058 MEV LEVEL INCLUDES THE 4 UNRESOLVED LEVELS BETWEEN 2.779 AND 3.229 MEV	11-NA-23	1.41+01 1.41+01	15 N,D	D(A)
2588 PHYS. REV. 179, 1090 (1969) D.E. VELKLEY, K.C. CHUNG, A. MITTLER, J.D. BRAUNBERGER, M.T. MC ELLISTON (U.KENTUCKY) GAMMA RAY SPECTRA MEASUREMENT. GE(LI) DETECTOR. RELATIVE TO F551847 KEV GAMMA RAY CROSS SECTIONS OF 68 +/- 5 MB/SR AT 2.5 MEV AND 90 DEGREES	31-GA-69 31-GA-71	6.50-01 1.78+00 6.50-01 1.78+00	130 N,N' 140 N,N'	D(A) D(A)
2589 EANDC(J)-3L PAGE 18 (1966) K.TSUKADA, S.TANAKA, M.MARUYAMA, Y.TOMITA (JAPAN) TIME OF FLIGHT TECHNIQUE. RELATIVE TO H SCATTERING CROSS SECTIONS NUCLEAR PHYS. 125, 641 (1969) ALSO SEE REF. 3207.	26-FE-NAT 26-FE-54 26-FE-56 28-NI-NAT 28-NI-NAT 28-NI-58 28-NI-60 28-NI-62 74-W -NAT 74-W -NAT	1.37+00 3.26+00 2.65+00 3.26+00 1.37+00 4.49+00 2.01+00 3.26+00 2.01+00 4.49+00 2.01+00 4.49+00 2.01+00 4.49+00 2.01+00 2.65+00 1.37+00 2.01+00 6.94-01 2.24+00	59 22 N,N' 119 N,N' 36 43 N,N' 50 N,N' 62 N,N' 18 N,N' 24 59 N,N'	D(A) D(A) D(A) D(A) D(A) D(A) D(A) D(A) D(A) D(A)
2590 NUKLEONIK 10, 277 (1967) K.W.GEIGER, L.VAN DER ZWAN (CANADA) CD-RATIO MEASUREMENT. RELATIVE TO AU197(N,GAMMA) CROSS SECTION = 98.8 BARNS AND R1 = 1525 BARNS. R1 OF 2.25 +/- .22 BARNS ADDED IN FOR 1/V CONTRIBUTION ABOVE 0.68 EV	23-V -31	6.80-07 1.50+01	1 N,D	RES.INT.
2591 Z. PHYSIK 207, 56 (1967) H.H.KNITTER, M.COPPOLA (GEL) TIME OF FLIGHT SPECTROMETER. RELATIVE TO H ELASTIC CROSS SECTION. CORRECTED FOR SAMPLE SIZE, BEAM ATTENUATION AND MULTIPLE SCATTERING	14-SI-NAT 14-SI-NAT 14-SI-28 14-SI-28	4.00+00 5.75+00 4.00+00 5.75+00 4.00+00 5.75+00 4.00+00 5.75+00	8 152 8 N,N' 151	ELASTIC ELASTIC D(A) N,N' D(A)
2592 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 2.827 (1968) H.H.KNITTER, M.COPPOLA (GEL) TIME OF FLIGHT SPECTROMETER. RELATIVE TO H ELASTIC CROSS SECTION. CORRECTED FOR SAMPLE SIZE, BEAM ATTENUATION AND MULTIPLE SCATTERING EUR-3903E (1968)	3-LI-7 3-LI-7	1.12+00 2.30+00 1.12+00 2.30+00	8 8 N,N'	ELASTIC N,N'
2593 EUR-2798E (1966) M.COPPOLA, H.H.KNITTER (GEL) TIME OF FLIGHT SPECTROMETER. RELATIVE TO H ELASTIC CROSS SECTION. CORRECTED FOR SAMPLE SIZE, BEAM ATTENUATION AND MULTIPLE SCATTERING	14-SI-NAT	5.70-01 2.28+00	7	ELASTIC
2594 Z. PHYSIK 207, 64 (1967) M.BORMANN, J.RIEHLE (GERMANY) ACTIVATION METHOD	9-F -19 13-AL-27 29-CU-65	1.35+01 1.77+01 1.36+01 1.49+01 1.35+01 1.50+01	58 50 21	N,2N N,A N,2N
2595 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 1.169 (1968) J.R.P.EATON, J.WALKER (ENGLAND)	4-BE-9	2.30+00 5.20+00	7	NONELAS

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. #2595

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

2595 SPHERE TRANSMISSION TECHNIQUE

2596 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 2,885 (1968)
H.K.VONACH, M.G.VONACH, H.MUNZER, P.SCHRADEL
(GERMAN FEDERAL REPUBLIC)
ACTIVATION METHOD. ABSOLUTE CROSS SECTION OF 14.7 MEV
DETERMINED RELATIVE TO ^{27}Al (ALPHA) CROSS SECTION = 111.5 MB
ALUMINUM VALUES NORMALIZED TO 0.1170 $\pm$ 0.0008 @ 14.43 MEV
(VONACH ET AL., Z.PHYSIK 237,155(1970))

9-F -19	1.47+01	1.47+01	1	N,2N
9-F -19	1.36+01	1.46+01	6	N,2N
12-MO-24	1.47+01	1.47+01	1	N,P
12-MO-24	1.36+01	1.46+01	6	N,P
22-TI-48	1.47+01	1.47+01	1	N,P
22-TI-48	1.36+01	1.46+01	6	N,P
23-V -51	1.47+01	1.47+01	1	N,A
23-V -51	1.36+01	1.46+01	6	N,A
26-FE-56	1.47+01	1.47+01	1	N,P
26-FE-56	1.2+01	1.46+01	6	N,P
29-CU-65	1.47+01	1.47+01	1	N,2N
29-CU-65	1.36+01	1.46+01	6	N,2N
47-AG-107	1.47+01	1.47+01	1	N,2N
47-AG-107	1.36+01	1.46+01	6	N,2N
49-IN-115	1.36+01	1.46+01	6	N,2N
73-TA-181	1.36+01	1.46+01	6	N,2N
79-AU-197	1.47+01	1.47+01	1	N,2N
79-AU-197	1.36+01	1.46+01	6	N,2N

2597 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 1,125 (1968)
J.WEITMAN, N.DAVERHOOG (SWEDEN)
REACTOR IRRADIATION. MASS SPECTROMETRIC ABSOLUTE DETERMINATION OF HELIUM

28-NI-NAT	2.00+00	2.00+00	3	N,A	SPECT.AV.
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2598 AHRE-D-55/69 (1969) R.BATCHELOR, K.WYLU (AMRE)
TIME OF FLIGHT SPECTROMETER. CORRECTED FOR FLUX ATTENUATION
AND MULTIPLE SCATTERING. RELATIVE TO THE H SCATTERING CROSS
SECTION. WE HAVE CONVERTED ELASTIC ANGULAR DISTRIBUTIONS TO
THE CM SYSTEM. INELASTIC SPECTRA OBTAINED BY SUBTRACTING FIS-
SION FROM NONELASTIC. FISSION SPECTRUM ASSUMED TO BE
A*SORTIE)*EXF(-E/T)

92-U -235	2.00+00	4.00+00	3	N,N'
92-U -235	2.00+00	4.00+00	27	ELASTIC D(A)
92-U -235	2.00+00	4.00+00	60	NONELAS D(E)
92-U -235	2.00+00	4.00+00	42	N,N' D(E)
92-U -235	2.00+00	3.00+00	2	NONELAS E1-E2
92-U -235	3.00+00	3.00+00	1	NUCLEAR TEMP.
94-PU-239	2.00+00	4.00+00	3	N,N'
94-PU-239	2.00+00	4.00+00	27	ELASTIC D(A)
94-PU-239	2.00+00	4.00+00	60	NONELAS D(E)
94-PU-239	2.00+00	4.00+00	40	N,N' D(E)
94-PU-239	2.00+00	4.00+00	3	NONELAS E1-E2
94-PU-239	2.00+00	3.00+00	2	NUCLEAR TEMP.

2599 EANDC(E)-121 (1969) E.PFLETSCHINGER, F.KAPPELER (KFK GERMAN)
TIME OF FLIGHT METHOD
EANDC(E)-1150 PAGE 3 (1968)

92-U -233	1.13-02	1.01+00	47	N,FISS
92-U -233	5.20-03	1.01+00	49	N,FISS C/S RATIO
94-PU-239	1.11-02	1.00+00	46	N,FISS
94-PU-239	5.20-03	1.00+00	45	N,FISS C/S RATIO

2600 PRIVATE COMMUNICATION (1969) D.S.MATHER, P.F.BAMPTON,
G.D.JAMES, P.J.NIND (AMRE)
LARGE LIQUID SCINTILLATION COUNTER. WE HAVE TAKEN NU PROMPT
(CF262) = 3.763

94-PU-239	7.70-02	1.15+00	16	NU-PRMT
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2601 PHYS. REV. 156, 1187 (1967) K.K.SEKHARAN, A.S.DIVATIA,
M.K.MEHTA, S.S.KERKATTE, K.K.NAMBIAR (TROMBAY)
CROSS SECTIONS OBTAINED BY RECIPROCALITY FROM MEASURED

8-O -16	3.91+00	6.48+00	406	N,A
8-O -16	4.05+00	6.11+00	53	RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-367 ***

REF. NO. #2601

07/04/76

ECISL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2601

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2601 C-13(N,ALPHA) CROSS SECTIONS. SEE ALSO...
1AEA CONF. ON NUCLEAR DATA, PARIS, PAPER CN-23/13 (1966)

2602 INT. J. APPL. RADIAT. ISOTOP. 18, 279 (1967) K.G.BROADHEAD,
D.E.SHANKS (BUREAU OF MINES, RENO)
RELATIVE TO IN-115 INELASTIC (TO IN-115M) CROSS SECTIONS =
0.360 BARNS

34-SE-77	2.80+00	2.80+00	1 N,N'
35-BR-79	2.80+00	2.80+00	1 N,N'
37-RB-85	2.80+00	2.80+00	1 N,G
39-Y-89	2.80+00	2.80+00	1 N,N'
47-AG-NAT	2.80+00	2.80+00	1 N,N'
48-CD-111	2.80+00	2.80+00	1 N,N'
49-IN-115	2.80+00	2.80+00	1 N,G
56-BA-137	2.80+00	2.80+00	1 N,N'
64-OD-160	2.80+00	2.80+00	1 N,G
68-ER-167	2.80+00	2.80+00	1 N,N'
72-HF-179	2.80+00	2.80+00	1 N,N'
77-IR-191	2.80+00	2.80+00	1 N,N'
80-HG-199	2.80+00	2.80+00	1 N,N'

2603 J. EXPTL. THEORET. PHYS. (USSR) 44, 1187 (1963) M.I.PEVZNER,
YU.V.ADAMCHUK, L.S.DANELYAN, B.V.EFIMOV, S.S.MOSKALEV,
G.V.MURADYAN (USSR)
TIME OF FLIGHT SPECTROMETER, AREA ANALYSIS, NATURAL ELEMENT
AND ENRICHED ISOTOPES. BEST RESOLUTION OF 6 NSEC/M.

42-MO-NAT	9.67-04	3.76-03	5 RES.PARAM.
42-MO-92	3.46-04	1.66-02	11 RES.PARAM.
42-MO-94	1.51-03	5.38-03	8 RES.PARAM.
42-MO-95	4.50-05	7.40-03	37 RES.PARAM.
42-MO-96	1.14-04	3.66-03	9 RES.PARAM.
42-MO-97	7.09-05	2.00-03	24 RES.PARAM.
42-MO-98	1.20-05	9.07-03	21 RES.PARAM.
42-MO-100	9.95-05	1.93-03	12 RES.PARAM.

2604 COMPT. REND. 254, 4287 (1962) C.CORGE, G.BIANCHI, V-D.HUYNH,
J.JULIEN, J.MORGENSTERN, F.NETTER (SACLAY)
TIME OF FLIGHT METHOD. SEE ALSO REFERENCE 2119
BNL-325 2ND ED. SUPPL.2 (1965)
FC COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCSC,
TH RE IS ALSO PRIVATE COMMUNICATION FROM C.CORGE (1962)

42-MO-NAT	2.65-04	2.16-03	38 RES.PARAM.
42-MO-92	3.45-04	3.45-04	1 RES.PARAM.
42-MO-94	1.52-03	1.66-03	2 RES.PARAM.
42-MO-95	4.50-05	1.41-03	12 RES.PARAM.
42-MO-96	1.32-04	1.32-04	1 RES.PARAM.
42-MO-97	7.18-05	1.51-03	8 RES.PARAM.
42-MO-98	4.27-04	1.52-03	6 RES.PARAM.
42-MO-100	9.70-05	1.94-03	6 RES.PARAM.

2605 PRIVATE COMMUNICATION (1962) J.P.MARION
DATA IS REPORTED IN REFERENCE 2607

42-MO-95	1.07-04	2.15-04	2 RES.PARAM.
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2606 PRIVATE COMMUNICATION (1966) R.E.COTE (ANL)
TRANSMISSION MEASUREMENT, AREA AND SHAPE ANALYSIS, SUPERCEDES
DATA OF BOLLINGER ET AL., REPORTED IN
WASH-1039 (1962)
ENRICHED ISOTOPES

42-MO-98	1.20-05	1.20-05	1 RES.PARAM.
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2607 PHYS. REV. 127, 1687 (1962) H.E.JACKSON (ANL)
STUDY OF CAPTURE GAMMA RAY SPECTRA, NEUTRON RESOLUTION OF
80 NSEC/M.

42-MO-95	4.50-05	2.15-04	5 RES.PARAM.
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2608 NUCLEAR STRUCTURE STUDY WITH NEUTRONS, ANTWERP, P/76 (1965)
J.A.HARVEY, T.FUKETA (ORNL)
TIME OF FLIGHT METHOD, AREA AND SHAPE ANALYSIS, ENRICHED
ISOTOPES. BEST RESOLUTION WAS 15 NSEC/M.

50-SN-118	4.50-05	7.40-03	7 RES.PARAM.
60-SN-120	4.26-04	72-03	9 RES.PARAM.
50-SN-124	6.20-05	6.20-05	1 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-368 ***

REF.NO.=2608

07/04/7E

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2609

		TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2609	BULL. AM. PHYS. SOC. 10, 498 (1965) K.G.MC NEILL, D.B.MC CONNELL, F.W.K.FIRK (U.TORONTO) MEASUREMENT OF GAMMA RAY ANGULAR DISTRIBUTION	50-SN-124	6.20-05 6.20-05	1 RES.PARAM.
2610	PHYS. REV. 98, 565 (1955) C.SHEER, J.A.MOORE (COLUMBIA U.) MEASUREMENT OF RATIO SCATTERING CROSS SECTIONS TO TOTAL CROSS SECTIONS	47-AG-107 47-AG-109	1.66-05 1.66-05 5.19-06 5.19-06	5 RES.PARAM. 5 RES.PARAM.
2611	PHYS. REV. 95, 644 (1954) J.E.DRAPER, C.P.BAKER (BNL) TIME OF FLIGHT METHOD. AREA METHOD. RESOLUTION OF 200 NSEC/M.	47-AG-109	5.20-06 5.20-06	1 RES.PARAM.
2612	CU-155 (1956) G.W.GRIFFIN (COLUMBIA U.) TIME OF FLIGHT METHOD. AREA ANALYSIS. RESOLUTION OF 10 NSEC/M AT 200 EV. BNL-325 2ND ED. SUPPL.2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCSC.	47-AG-NAT 47-AG-107 47-AG-109	1.77-04 2.50-04 1.63-05 2.03-04 3.05-05 2.09-04	3 RES.PARAM. 9 RES.PARAM. 11 RES.PARAM.
2613	CU-109 (1959) J.S.DESJARDINS (COLUMBIA U.) TIME OF FLIGHT METHOD. AREA ANALYSIS. RESOLUTION ABOUT 5 NSEC/M. BNL-325 2ND ED. SUPPL.2 (1965) FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCSC. BULL. AM. PHYS. SOC. 4, 34 (1959)	48-CD-NAT 48-CD-110 48-CD-111 48-CD-112 48-CD-113 48-CD-114	8.34-05 8.13-04 8.95-05 8.96-05 8.61-05 2.33-04 2.26-04 2.26-04 8.49-05 2.15-04 1.20-04 1.20-04	57 RES.PARAM. 4 RES.PARAM. 11 RES.PARAM. 1 RES.PARAM. 13 RES.PARAM. 4 RES.PARAM.
2614	PRIVATE COMMUNICATION (1956) R.B.SCHWARTZ, V.E.PILCHER, R.M.SCHETMAN (BNL) BULL. AM. PHYS. SOC. 1, 187 (1956) FAST CHOPPER. AREA ANALYSIS. ENRICHED ISOTOPES. RESOLUTION OF 700 NSEC/M.	48-CD-110 48-CD-111 48-CD-112 48-CD-113 48-CD-114 74-W-182 74-W-183 74-W-184 74-W-185	9.00-05 9.00-05 2.77-05 1.65-04 6.68-05 6.68-05 1.84-05 1.09-04 1.21-04 1.21-04 4.14-06 3.84-04 7.62-06 3.54-04 1.87-04 3.16-04 1.88-05 4.12-04	3 RES.PARAM. 7 RES.PARAM. 3 RES.PARAM. 6 RES.PARAM. 3 RES.PARAM. 10 RES.PARAM. 13 RES.PARAM. 2 RES.PARAM. 6 RES.PARAM.
2615	PHYS. REV. 72, 986 (1947) W.W.BEEMAN (ANL) SINGLE CRYSTAL SPECTROMETER. SINGLE LEVEL FIT	48-CD-113	1.76-07 1.76-07	1 RES.PARAM.
2616	PRIVATE COMMUNICATION (1964) N.J.PATTENDEN (AERE) TRANSMISSION MEASUREMENT. AREA ANALYSIS	45-RH-103	3.44-05 2.90-04	28 RES.PARAM.
2617	BULL. D'INFORMATIONS SCIENTIFIQUE ET TECHNIQUES, P.60 (1960) J.JULIEN, P.RIDON, C.CORGE, A.MICHAUDON, F.NETTER, D.PAVA (SACLAY) TRANSMISSION MEASUREMENT	45-RH-103	3.27-04 1.61-03	53 RES.PARAM.
2618	NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTWERP, P/72 (1965) C.COCEVA, F.CORVI, P.GIACOBBE, M.STEFANON (ITALY) FAST CHOPPER. SHAPE ANALYSIS. RESOLUTION OF 130 NSEC/M. NATURAL ELEMENT AND ENRICHED ISOTOPES PHYS. LETTERS 16, 159 (1965)	46-PD-NAT 46-PD-105 46-PD-108	2.78-05 6.30-05 1.17-05 1.52-04 2.96-06 9.16-05	4 RES.PARAM. 35 RES.PARAM. 8 RES.PARAM.
2619	NATURWISS. 50, 397 (1963) G.RICHTEI, W.BIEL, E.BAOGE (U.KIEL)	46-PD-105	2.95-06 3.35-05	4 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-369 ***

REF.NO.=2619

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2619 TRANSMISSIC. MEASUREMENT

- 2620 PRIVATE COMMUNICATION (1969) R.B. SCHWARTZ (NBS)
ELECTRON LINAC. TIME OF FLIGHT TECHNIQUE. FE CROSS SECTION
COMPOSITE OF RUNS USING SAMPLE THICKNESSES OF 0.25 AND 1.0
ATOMS/BARN
- 2621 ACTA CRYST. 20, 214 (1966) B.M. CRAVEN, T.M. SABINE
(AUSTRIAN)
NEUTRON DIFFRACTION STUDY
- 2622 NUCLEAR SCIENCE AND ENGINEERING 26, 281 (1966) S. PEARLSTEIN,
R.F. MILLIGAN (BNL)
ACTIVATION TECHNIQUE. RELATIVE TO AU-197
- 2623 CAN. J. CHEM. 33, 830 (1955) E.A. MELAIKA, M.J. PARKER,
J.A. PETRUSKA, R.H. TOMLINSON (CHALK R.)
REACTOR IRRADIATION. RELATIVE FISSION YIELD MEASUREMENT.
RELATIVE TO A CROSS SECTION OF 755 BARNS FOR BCRON
- 2624 CAN. J. CHEM. 34, 238 (1956) L.P. ROY, L. YAFFE (CHALK R.)
ACTIVATION METHOD
- 2625 CAN. J. CHEM. 34, 1023 (1956) L.P. ROY, L. YAFFE (CHALK R.)
ACTIVATION METHOD. RELATIVE TO CO-60 CROSS SECTIONS = 36.3 B.
- 2626 CAN. J. CHEM. 34, 293 (1956) B.C. PURKAYASTHA, G.R. MARTIN
(AERE)
RADIOACTIVATION TECHNIQUE
- 2627 CAN. J. CHEM. 38, 2528 (1960) A.P. BAERG, R.M. BARTHOLOMEW
(CHALK R.)
ACTIVATION ANALYSIS. RELATIVE TO CO-59 CROSS SECTIONS = 38.13
BARNS
- 2628 J. CHEM. PHYS. 23, 2108 (1955) R.R. SMITH, S.O. FEDER
(PHILLIPS PET.)
ACTIVATION ANALYSIS. RELATIVE TO CO CROSS SECTIONS OF 34.0 B.
- 2629 J. CHEM. PHYS. 17, 421 (1949) S. KATCOFF, J.A. LEARY,
K.A. WALSH, R.A. ELMER, S.S. GOLDSMITH, L.D. HALL, E.G. NEWBURY,
J.J. POVELITES, J.S. MADDELL (LASL)
ACTIVATION ANALYSIS
- 2630 NUCLEAR SCIENCE AND ENGINEERING 25, 12 (1966) J.J. SCOVILLE,
C. FAST, J.W. ROGERS (PHILLIPS PET.)
REACTIVITY MEASUREMENTS. BASED ON AU-197 CROSS SECTIONS OF
98.8 BARNS AND RI OF 950 BARNS AND ALSO DY (NATURAL) CROSS
SECTION OF 950 BARNS AND RI OF 1840 BARNS. SEE ALSO REF. 1770

REF. BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. 2630

REF BIBLIOGRAPHY

2630

TARGET EN. RANGE (MEV) PTS DESCRIPTION

66-DY-163 2.50-08 2.50-08 1 ABSORP SPECT. AV.
 66-DY-163 5.00-07 1.50-01 1 ABSORP RES. INT.
 66-DY-164 2.50-08 2.50-08 1 ABSORP SPECT. AV.
 66-DY-164 5.00-07 1.50-01 1 ABSORP RES. INT.

2631 BULL. AM. PHYS. SOC. 3, 337 (1958) L.L.HOUSE, R.T.FROST
 (KAPL)
 PILE OSCILLATOR. RELATIVE TO ANL-BNL STANDARD BORON

66-DY-160 2.50-08 2.50-08 1 TOTAL SPECT. AV.
 66-DY-161 2.50-08 2.50-08 1 TOTAL SPECT. AV.
 66-DY-161 2.50-08 2.50-08 1 ABSORP SPECT. AV.
 66-DY-162 2.50-08 2.50-08 1 TOTAL SPECT. AV.
 66-DY-162 2.50-08 2.50-08 1 ABSORP SPECT. AV.
 66-DY-163 2.50-08 2.50-08 1 TOTAL SPECT. AV.
 66-DY-163 2.50-08 2.50-08 1 ABSORP SPECT. AV.
 66-DY-164 2.50-08 2.50-08 1 TOTAL SPECT. AV.
 66-DY-164 2.50-08 2.50-08 1 ABSORP SPECT. AV.

2632 INTERNATIONAL CNF. ON NUCLEAR PHYSICS. PARIS. 2, 703 (1964)
 I.GULYAS, B.KARDON, D.KISS (HUNGARY)
 SCINTILLATION GAMMA SPECTROSCOPY

38-SR-84 2.50-08 2.50-08 1 N.O C/S RATIO
 38-SR-86 2.53-08 2.53-08 1 N.O
 51-SR-121 2.53-08 2.53-08 1 N.O
 51-SR-121 2.50-08 2.50-08 1 N.O C/S RATIO
 75-RE-187 2.50-08 2.50-08 1 N.C C/S RATIO

2634 PHYS. LETTERS 1, 321 (1962) M.JORGENSEN, O.B.NIELSEN,
 G.SIDENIUS (DENMARK)
 CALCULATED FROM HALF-LIFE AND IRRADIATION DATA

71-LU-176 2.53-08 2.53-08 1 N.O

2635 ACTA CRYST. 17, 1087 (1964) M.ATOJI (ANL)
 NEUTRON DIFFRACTOMETER. RELATIVE TO 13.2 BARNS FOR NI

72-HF-NAT 2.53-08 2.53-08 1 COMERT

2636 ACTA CRYST. 9, 607 (1956) S.S.SIDHU, L.WEATON,
 D.D.ZAUBERIS (ANL)
 NEUTRON DIFFRACTION

72-HF-NAT 2.53-08 2.53-08 1 COMERT

2637 BULL. AM. PHYS. SOC. 6, 70 (1961) L.J.ESCH, W.E.MOORE (KAPL)
 ACTIVATION AND GAMMA COUNTING TECHNIQUE. RELATIVE TO AU-197

52-TE-120 2.50-08 2.50-08 1 N.O SPECT. AV.
 72-HF-174 2.53-08 2.53-08 1 N.O

2638 NUCLEAR PHYS. 32, 482 (1962) K.F.ALEXANDER, H.F.BRINCKMANN
 (ROSSENDORF)
 GAMMA RAY INTENSITY COMPARISON. RELATIVE TO 8 CROSS SECTIONS
 OF 762 BARNS

72-HF-177 2.53-08 2.53-08 1 N.O
 72-HF-178 2.53-08 2.53-08 1 N.O

2639 PHYS. REV. 123, 1354 (1961) J.WING, B.A.SWARTZ, J.R.HUIZENGA
 (ANL)
 IRRADIATION IN THE MTR. RELATIVE TO HF-102 CAPTURE CROSS
 SECTION OF 10 BARNS

72-HF-181 2.50-08 2.50-08 1 ABSORP SPECT. AV.

2640 PHYS. REV. 121, 1158 (1961) A.H.SUNYAR, P.AXEL (BNL)
 COUNTED K X-RAYS. RELATIVE TO TA-181 (N.GAMMA) TA-182 (GROUND
 STATE) CROSS SECTIONS OF 21 BARNS

73-TA-181 2.50-08 2.50-08 1 N.O SPECT. AV.

2641 100-16238 (1955) R.R.SMITH, S.D.REEDER, R.H.LEWIS
 (PHILLIPS PET.)
 ACTIVATION ANALYSIS. RELATIVE TO CO-59 CROSS SECTIONS =

73-TA-182 2.50-08 2.50-08 1 N.O SPECT. AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-371 ***

REF. NO. 2641

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EC51L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 2641

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

2641 34.0 BARNS

- 2642 PHYS. REV. 97, 1007 (1955) J.J. MURRAY, F. BOEHM, P. MARMIER,
J.W.M. DU MOND (CAL. INST. TECH.)
GAMMA AND BETA RAY SPECTROMETRY 73-TA-182 2.50-08 2.50-08 1 N,G SPECT. AV.
- 2643 PHYS. REV. 97, 1023 (1955) E. DER MATEOSIAN (BNL)
BETA ACTIVITY COMPARISON 73-TA-182 2.53-08 2.50-08 1 N,G SPECT. AV.
- 2644 BULL. AM. PHYS. SOC. 8, 71 (1963) H.H. KRAMER (UNION CARBIDE)
ACTIVATION ANALYSIS 74-W-184 2.50-08 2.50-06 1 N,G SPECT. AV.
- 2645 NYO-10175 (1964) H. ARINO, H.H. KRAMER, V.J. MOLINSKI,
R.S. TILBURY, W.H. WAHL, P.M. STIER (UNION CARBIDE)
ACTIVATION ANALYSIS 56-BA-130 2.50-08 2.50-08 1 N,G SPECT. AV.
68-ER-166 2.53-08 2.53-08 1 N,G
73-TA-181 2.53-08 2.53-08 1 N,G
73-TA-181 2.53-08 2.53-08 1 N,G
75-OS-189 2.50-08 2.50-08 1 N,G SPECT. AV.
77-IR-91 2.50-08 2.50-08 1 N,G SPECT. AV.
77-IR-191 2.50-08 2.50-08 1 N,G SPECT. AV.
77-IR-193 2.50-08 2.50-08 1 N,G SPECT. AV.
78-PT-156 2.50-08 2.50-08 1 N,G SPECT. AV.
78-PT-198 2.50-08 2.50-08 1 N,G SPECT. AV.
78-PT-198 2.50-08 2.50-08 1 N,G SPECT. AV.
80-HG-196 2.50-08 2.50-08 2 N,G SPECT. AV.
- 2646 AD-40266B (1963) R.A. KARAM, T.F. PARKINSON, W.H. ELLIS
(U. FLORIDA)
ACTIVATION MEASUREMENT FOR THERMAL CROSS SECTIONS, RELATIVE
TO AU CROSS SECTIONS 75-RE-185 2.53-08 2.53-08 1 N,G
75-RE-187 2.53-08 2.53-08 1 N,G
- 2647 PHYS. REV. 136, 18 (1964) K. TAKAHASHI, M. MC KEOWN,
G. SCHARFF-GOLDHABER (BNL)
COUNTED DECAY GAMMAS, RELATIVE TO RE-187 CROSS SECTIONS =
73 +- 7 BARNS 75-RE-187 2.50-08 2.50-08 1 N,G SPECT. AV.
- 2648 PHYS. REV. 111, 590 (1958) J. WING, C.M. STEVENS, J.R. HUIZENGA
(ANL)
MASS SEPARATION METHOD 82-PB-204 2.50-08 2.50-08 1 ABSORP SPECT. AV.
- 2649 NUCLEAR PHYS. 41, 604 (1963) G. HARBOTTLE (BNL)
COUNTED DECAY BETAS, RELATIVE TO IR-191 CROSS SECTIONS =
1900 BARNS 77-IR-191 2.50-08 2.50-08 1 N,G SPECT. AV.
- 2650 NUKLEONIK 4, 185 (1962) H. TEUTSCH, N. MATEESCU, P. TIMIS
(RUMANIA)
TIME OF FLIGHT MEASUREMENT OF THE TOTAL CROSS SECTIONS 79-AU-197 2.53-08 2.53-08 1 ABSORP
79-AU-197 1.04-09 2.54-09 21 N,G
- 2651 J. NUCLEAR ENERGY 1, 57 (1954) P.A. EGELSTAFF (AERE)
SLOW CHOMPER 79-AU-197 2.53-08 2.53-08 1 TOTAL
79-AU-197 2.53-08 2.53-08 1 ABSORP
- 2652 TRANS. AM. NUCLEAR SOC. 6, 43 (1963) F.B. SIMPSON, R.P. SCHUMAN
(PHILLIPS) 79-AU-198 2.53-08 2.53-08 1 TOTAL

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF. NO. = 2652

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ECIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.-2653

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2653	CAN. J. PHYS. 33, 457 (1955) R.E.BELL, R.L.GRAHAM, L.YAFFE (CHALK R.) ACTIVATION METHOD. RELATIVE TO THERMAL CROSS SECTIONS FOR AU-197 OF 99 BARNS	79-AU-198	2.50-08 2.50-08	1 N,0	SPECT.AV.
2654	BULL. AM. PHYS. SOC. 8, 477 (1963) W.BARTOLINI, R.E.DONALDSON, L.PASSELL (LRL LIVERMGE) ALSO PRIVATE COMMUNICATION (1964) FROM R.E.DONALDSON. MIRROR-REFLECTION METHOD. RELATIVE TO C.	1-H -2 5-B -NAT 7-N -NAT 8-O -NAT 9-F -19 80-HG-NAT	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 COHERT 1 COHERT 1 COHERT 1 COHERT 1 COHERT 1 COHERT	
2655	NUCLEAR PHYS. 12, 261 (1959) M.L.SEHGAL, H.S.HANS, P.S.OILL (INDIA) ACTIVATION METHOD. RELATIVE TO AU-197 CROSS SECTIONS = 98 B	46-PD-108 46-PD-108 51-SB-121 60-ND-150 66-DY-158 66-DY-164 80-HG-196 80-HG-198	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 2 N,0 1 N,0	SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV.
2656	PHYS. REV. 128, 761 (1962) M.L.SEHGAL (BNL) COUNTED DECAY GAMMAS. RELATIVE TO AU CROSS SECTIONS = 97 BARN AND TE-122 CROSS SECTIONS = 1.1 BARNS	52-TE-120 52-TE-130 52-TE-130 78-PT-192 78-PT-194 78-PT-196 80-HG-196 80-HG-202	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	2 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0	SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV.
2657	PRIVATE COMMUNICATION (1952) R.J.WEISS (BNL) PILE FILTERED BEAM	82-PB-NAT	2.53-06 2.53-08	1 BOUND	
2658	PROC. PHYS. SOC. (LONDON) 85, 761 (1952) K.L.AITKEN, D.J.LITTLER, E.E.LOCKETT, G.H.PALMER (AERE) MASS SEPARATION METHOD	82-PB-206 82-PB-207	2.50-08 2.50-08 2.50-08 2.50-08	1 ABSORP 1 ABSORP	SPECT.AV. SPECT.AV.
2659	ANL-6797 PAGE 236 (1963) E.T.JURNEY, H.T.MOTZ (LASL) MEASUREMENT OF CAPTURE GAMMA RAY INTENSITY	1-H -2 4-BE-9 6-C -12 7-N -14 8-O -16 82-PB-204 82-PB-206 82-PB-207	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0	SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV.
2660	PRIVATE COMMUNICATION (1953) D.J.HUGHES, H.PALEVSKY (BNL)	83-BI-209	2.53-08 2.53-08	1 COHERT	
2661	OFNL-3320 PAGE 7 (1962) J.HALPERIN, R.E.DRUSCHEL, R.W.STOUGHTON, C.R.BALDOCK (ORNL) IRRADIATION IN THE MTR. RELATIVE TO 81-209 CAPTURE CROSS SECTIONS OF 0.020 BARNS	83-BI-209	2.50-08 2.50-08	1 N,2N	SPECT.AV.

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-373 ***

REF.NO.-2661

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 2662

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2662 ORNL-3320 PAGE 2 (1962) J. HALPERIN, J. H. OLIVER (ORNL) CD-FILTER TECHNIQUE. RELATIVE TO MN55 CAPTURE CROSS SECTIONS = 13.2 BARNS	93-B1-210	2.50-08 2.50-08	1 N.G.	SPECT. AV.
2663 Z. NATURFORSCHG. 19, 354 (1964) R. SCHERM, W. SCHMATZ (GERMANY) COUNTED SCATTERED NEUTRONS	4-BE-9 13-AL-27 93-B1-209	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 INCOHER 1 INCOHER 1 INCOHER	
2664 PHYS. REV. 120, 1313 (1960) R. VANDENBOSCH, J. R. HUIZENGA (ANL) MEASURED ISOMERIC CROSS SECTIONS RATIOS. USED HG-197 (GROUND STATE) CROSS SECTIONS OF 2930 BARNS	80-HG-196	2.50-08 2.50-08	1 N.G.	SPECT. AV.
2665 PHYS. REV. 82, 376 (1951) W. S. LYON (ORNL) ACTIVATION ANALYSIS	80-HG-202	2.50-08 2.50-08	1 N.G.	SPECT. AV.
2666 PRIVATE COMMUNICATION (1965) S. WYNCHANK (COLUMBIA U.) DATA RECEIVED FROM NNCSC. ENERGY UNCERTAINTY IS LESS THAN 0.01 EV BELOW 50 EV AND VARIES SMOOTHLY FROM 0.01 TO 0.2 EV ABOVE 50 EV. ENRICHED ISOTOPES NYO-72-281 (1969) F. J. RAHN SEE ALSO REF. 3118 FOR HIGH ENERGY RESONANCE PARAMETERS IN SM152 AND SM154 TRANS. AM. NUCLEAR SOC. 12, 749 (1970)	62-SM-152 62-SM-152 62-SM-154 62-SM-154 63-EU-151 63-EU-151 63-EU-151 63-EU-153 63-EU-153	8.06-06 1.50-03 8.06-06 1.54-03 9.30-05 2.49-03 9.30-05 2.52-03 2.62-04 3.00-03 1.05-06 9.66-05 1.05-06 9.66-05 1.73-06 9.76-05 1.73-06 9.76-05	1 AV. RES. PARAM. 62 RES. PARAM. 1 AV. RES. PARAM. 40 RES. PARAM. 4418 TOTAL 1 AV. RES. PARAM. 320 RES. PARAM. 1 AV. RES. PARAM. 228 RES. PARAM.	
2667 BNL-13074 (1968) S. F. MUCHABGHAB, R. E. CHRIEN (BNL) FAST CHOPPER. AREA ANALYSIS. GAMMA-GAMMA ASSUMED TO BE 0.11 EV WHEN NOT DETERMINED. SEE ALSO REFERENCE 2245. ENRICHED ISOTOPES PHYS. REV. 180, 1131 (1969) BULL. AM. PHYS. SOC. 9, 433 (1964)	64-GD-155 64-GD-156 64-GD-157 64-GD-158 64-GD-160	2.01-06 6.96-05 3.32-05 8.46-04 2.83-06 1.84-04 2.22-05 9.17-04 2.23-04 2.67-03	58 RES. PARAM. 23 RES. PARAM. 59 RES. PARAM. 21 RES. PARAM. 16 RES. PARAM.	
2668 PHYS. REV. 125, 1615 (1962) E. DER MATEOSIAN, M. L. SEHGAL (BNL) ACTIVATION ANALYSIS. RELATIVE TO AU-197	51-SB-121 51-SB-121	2.50-08 2.50-08 2.50-08 2.50-08	1 N.G. 1 N.G.	SPECT. AV. SPECT. AV.
2669 NUCLEAR PHYS. 37, 90 (1962) J. VANHORENBEECK (BELGIUM) MEASURED ISOMERIC CROSS SECTIONS RATIOS. RELATIVE TO SB-123 (GROUND STATE) CROSS SECTIONS OF 2.5 + 0.5 BARNS	51-SB-123 51-SB-123	2.50-08 2.50-08 2.50-08 2.50-08	1 N.G. 1 N.G.	SPECT. AV. SPECT. AV.
2670 PHYS. REV. 72, 1271 (1947) E. DER MATEOSIAN, M. GOLDHABER, C. O. MUEHLHAUSE, H. MC KEOWN (ANL)	51-SB-123	2.50-08 2.50-08	1 N.G.	SPECT. AV.
2671 ATOMNAYA ENERGIYA 2, 553 (1957) A. N. MURIN, V. V. NEFEDOV, D. K. POPOV, V. I. BAFANOVSKY (USSR) COUNTED DECAY BETAS	51-SB-124	2.50-08 2.50-08	1 N.G.	SPECT. AV.
2672 J. EXPTL. THEORET. PHYS. (USSR) 36, 632 (1959) V. S. GVOZDEV, YU. L. KHAZOV (USSR) RELATIVE TO HF-180 CAPTURE CROSS SECTIONS OF 10 +- 3 BARNS. BETA SPECTROMETER.	52-TE-124	2.53-08 2.53-08	1 N.G.	
2673 ANN. REV. NUCLEAR SCI. 11, 303 (1961) M. K. WILKINSON.	3-LI-7	2.53-08 2.53-08	1 COHERT	

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-374 ***

REF. NO. = 2673

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

R. NO. = 2673

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2673 E.O.WOLLAN, W.C.KOEHLER (ORNL) NEUTRON DIFFRACTION METHOD	15-P -31 52-TE-124 52-TE-125	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 1 1	COHERT COHERT COHERT
2674 PHYS. REV. 86, 937 (1952) B.GRIMELAND (NORWAY) RELATIVE TO NA CROSS SECTIONS OF 0.47 BARNS	53-1 -127	2.50-08 2.50-08	1	N.G SPECT.AV.
2675 J. INORG. NUCLEAR CHEM. 26, 1625 (1964) M.BRESESTI, A.M.BRESESTI DEL TURCO, H.NEUMANN, E.ORVINI (ITALY) GAMMA RAY SPECTROMETRY. RELATIVE TO CO-59 CROSS SECTIONS OF 37.3 BARNS AND R1 OF 75 BARNS	53-1 -125 53-1 -125	2.50-08 2.50-08 5.00-07 1.50+01	1 1	N.G SPECT.AV. N.G RES.INT.
2676 ACRH-15 PAGE 92 (1961) P.V.HARPER, W.D.SIEMENS, K.A.LATHROP, H.ENDLICH (ARGONNE CANCER RES.HOSP.) MEASURED INCIDENCE 27.3 AND 35.4 KEV GAMMAS. RELATIVE TO CO CROSS SECTIONS	53-1 -125	2.50-08 2.50-08	1	N.G SPECT.AV.
2677 J. CHEM. PHYS. 44, 970 (1966) D.D.WILKEY, J.E.WILLARD (U.WISCONSIN) MEASURED ISOMERIC CROSS SECTIONS RATIO. RELATIVE TO TOTAL CAPTURE CROSS SECTIONS OF 24 BARNS	53-1 -129 53-1 -129	2.50-08 2.50-08 2.50-08 2.50-08	1 1	N.G SPECT.AV. N.G SPECT.AV.
2678 ORNL-3488 PAGE 15 (1963) J.HALPERIN, R.E.DRUSCHEL (ORNL) GAMMA RAY SPECTRA ANALYSIS. RELATIVE TO CO-59	53-1 -131	2.50-08 2.50-08	1	N.G SPECT.AV.
2679 BNL-C-9 PAGE 70 (1949) L.YAFFE (CHALK R.) COUNTED DECAY BETAS	53-1 -131	2.50-08 2.50-08	1	N.G SPECT.AV.
2680 PRIVATE COMMUNICATION (1966) V.E.KROHN, G.R.RINGO (ANL) CAPTURE CROSS SECTIONS DETERMINED FROM TRANSMISSION DATA WITH AVERAGE SCATTERING CROSS SECTIONS SUBTRACTED	36-KR-NAT 36-KR-NAT 54-XE-NAT	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 1 1	ABSORP FREE ABSORP
2681 PHYS. REV. 80, 296 (1950) J.MACNAHARA, H.G.THODE (CHALK R.) MASS SPECTROMETRY	36-KR-NAT 36-KR-80 54-XE-NAT 54-XE-129 54-XE-131	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1 1 1	ABSORP SPECT.AV. N.G SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV. ABSORP SPECT.AV.
2682 J. APPLIED PHYS. 29, 1373 (1958) J.M.TOBIN, J.H.SAKO (HANFORD) ACTIVATION ANALYSIS.	54-XE-124	2.50-08 2.50-08	1	N.G SPECT.AV.
2683 CAN. J. PHYS. 37, 531 (1959) H.R.FICKEL, R.H.TOMLINSON (CHALK R.) MASS SPECTROMETRY. RELATIVE TO CO (2200 M/SEC) ABSORPTION CROSS SECTIONS OF 36.5 BARNS	54-XE-135	2.50-08 2.50-08	2	ABSORP SPECT.AV.
2684 АТОМНАЯ ЭНЕРГИЯ 3, 546 (1957) R.N.IVANOV, V.K.GORSHKOV, M.P.ANIKINA, G.M.KUKAVADZE, B.V.ERSHLER (USSR) MASS SPECTROMETER	54-XE-135	2.50-08 2.50-08	1	ABSORP SPECT.AV.
2685 NUCLEAR PHYS. 73, 91 (1965) G.WINTER, K.HOHMUTH.	54-XE-126	2.50-08 2.50-08	1	N.G SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-375 ***

REF.NO.=2685

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. 2685

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2685 J. SCHINTLMAYER (ROSSENDORF)
COUNTED DECAY GAMMAS2686 PHYS. REV. 102, 223 (1936) S. BERNSTEIN, M. M. SHAPIRO,
C. P. STANFORD, T. C. STEPHENSON, J. B. DIAL, S. FREED, G. W. PARKER,
A. R. BROSI, G. M. WEBER, T. W. DE WITT (ORNL)
CRYSTAL SPECTROMETER

54-XE-135 2.50-08 2.50-08 1 TOTAL SPECT. AV.

2687 J. INORG. NUCLEAR CHEM. P. 271 (1956) M. S. FREDMAN,
A. TURKEVICH, R. M. ADAMS, N. SUGARMAN, S. RAYNOR, L. G. STANG, JR.
(ANL)
METHOD OF NEGATIVE ACTIVATION

54-XF-135 2.50-08 2.50-08 1 ABSORP SPECT. AV.

2688 AECD-2274 (1948) K. HAY, G. HAINES (ORNL)

48-CD-110 2.53-08 2.53-08 1 N.O.
54-XE-136 2.53-08 2.53-08 1 N.O.2689 A/CONF. 15, 459 (1958) D. R. BIDINOSTI, H. R. FICKEL,
R. H. TOMLINSON (CHALK R.)
MASS SPECTROMETER55-CS-133 2.50-08 2.50-08 1 ABSORP SPECT. AV.
55-CS-133 5.00-07 1.50+01 1 ABSORP RES. INT.
61-PH-147 2.50-08 2.50-08 1 ABSORP SPECT. AV.
62-SM-149 2.50-08 2.50-08 1 ABSORP SPECT. AV.2690 NUCLEAR PHYS. 98, 305 (1967) V. VALKOVIC, I. SLAUS, P. TOMKAS,
M. CERINEO (YUGOSLAVIA)
COUNTER TELESCOPE
INTERNATIONAL CONF. ON NUCLEAR PHYSICS, PARIS, 2, 244 (1964)
INTERNATIONAL CONF. ON NUCLEAR PHYSICS, PARIS, 2, 769 (1964)
INTERNATIONAL CONF. ON NUCLEAR PHYSICS, PARIS, 2, 936 (1964)3-LI-6 1.44+01 1.44+01 8 N.T. D(A)
3-LI-7 1.44+01 1.44+01 1 N.D. D(A)
5-B-10 1.44+01 1.44+01 72 N.XT. D(E,A)
5-B-10 1.44+01 1.44+01 1 N.T. C/3 RATIO
8-O-13 1.44+01 1.44+01 1 N.D. D(A)
16-S-32 1.44+01 1.44+01 1 N.D. D(A)2691 NUCL. F. ACT. W/LOW-¹¹⁹NUCL/NUCL. STRUCT. ROSSENDORF, P. 143 (1967)
D. RENDIC, G. PAIC (ZAGREB)
REPORT NUMBER FOR ABOVE PROCEEDINGS IS
ZFK-130 (1967)
NUCLEAR PHYS. 98, 305 (1967)3-LI-6 2.70+00 1.44+01 2 N.T.
3-LI-6 2.70+00 1.44+01 27 N.T. D(A)2692 PRIVATE COMMUNICATION (1968) R. L. CLARKE (CHALK R.)
TIME OF FLIGHT, ELASTIC AND TOTAL SCATTERING NORMALIZED AT
72 DEGREES, INELASTIC RELATIVE TO ELASTIC, DATA RECEIVED FROM
NNCS.9-F-19 1.41+01 1.41+01 13 ELASTIC D(A)
9-F-19 1.41+01 1.41+01 13 SCATTER D(A)
9-F-19 1.41+01 1.41+01 12 N.N' D(A)
9-F-19 1.41+01 1.41+01 12 N.N' D(A)2693 PRIVATE COMMUNICATION (1968) H. GALATI, J. D. BRANDENBERGER,
J. L. NEIL (U. KENTUCKY)
DATA RECEIVED FROM NNCS
PHYS. REV. C, 5, 1508 (1972)6-C-NAT 3.00+00 6.94+00 474 ELASTIC D(A)
6-C-12 5.78+00 6.94+00 124 N.N' D(A)2694 J. NUCLEAR ENERGY 22, 267 (1968) D. C. STUPEGIA, M. SCHMIDT,
C. R. KEEDY, A. A. MADSON (ANL)
ACTIVATION TECHNIQUE. THERE IS ALSO A PVT. COMM. (1967) STUPEGIA19-K-41 1.62-01 2.45+00 19 N.O.
24-MN-55 9.00-03 5.39-01 11 N.O.
47-MO-85 1.40-01 2.60+00 13 N.O.
33-Y-89 1.46-02 2.45+00 22 N.O.
42-MO-90 3.60-03 2.64+00 28 N.O.
57-LA-139 1.12-02 1.99+00 19 N.O.
59-PR-141 1.75+00 2.45+00 5 N.O.
64-GD-158 4.50-03 2.14+00 21 N.O.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-376 ***

REF. NO. 2694

07/04/76

EC51L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. - 2694

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2694	69-ER-170 70-YB-176 71-LU-175	4.90-03 2.64+00 3.60-03 1.87+00 1.41-01 3.13+00	20 N.O 20 N.O 18 N.G	
2695 NUCLEAR PHYS. 122, 679 (1968) N. RANAKUMAR, C. KONDAIAH, R. W. FINK (GEORGIA TECH.) METHOD OF MIXED POWDERS AND GE(LI) GAMMA RAY DETECTION. RELATIVE TO FE ⁵¹ (N,P) CROSS SECTIONS 100 +/- 6 MILLIBARNS	13-AL-27 14-SI-28 14-SI-29 14-SI-30 14-SI-30 30-ZN-64 30-ZN-64 30-ZN-66 30-ZN-66 30-ZN-68 30-ZN-68 30-ZN-70	1.44+01 1.44+01	1 N.P 1 N.P 1 N.P 1 N.P 1 N.A 1 N.P 1 N.P 1 N.P 1 N.P 1 N.A 1 N.A 1 N.ZN	
2696 Z. PHYSIK 167, 549 (1962) H. WEIMANN (GERMANY) MEASURED K X-RAYS AND GAMMA RADIATION	32-GE-74 32-GE-76 34-SE-76 34-SE-78	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 N.O 1 N.O 1 N.O 1 N.O	SPECT. AV. SPECT. AV. SPECT. AV. SPECT. AV.
2697 PRIVATE COMMUNICATION (1961) D. J. MUGHES (ANL)	30-ZN-70	2.50-08 2.50-08	1 N.O	SPECT. AV.
2698 PHYS. REV. 124, 1525 (1961) T. T. THWAITES, W. H. PRATT (PENN STATE U) SCINTILLATION COUNTER TECHNIQUES. MEASURED ISOMERIC CROSS SECTIONS RATIO. WE ASSUMED CROSS SECTIONS TO ZN71 (2.2 MIN.) IS 100 MILLIBARNS	30-ZN-70	2.50-08 2.50-08	1 N.O	SPECT. AV.
2699 J. CHEM. PHYS. 15, 703 (1947) J. R. ARNOLD, H. SUGARMAN (U. CHICAGO) ACTIVATION ANALYSIS. MEASURED ISOMERIC RATIO. WE ASSUMED CROSS SECTIONS TO GE77 (54 SEC.) = 0.11 BARNS	32-GE-76	2.53-08 2.53-08	1 N.O	
2700 J. INORG. NUCLEAR CHEM. 5, 23 (1957) D. J. APERS, P. C. CAPRON, L. J. GILLY (BELGIUM) ACTIVATION ANALYSIS. MEASURED ISOMERIC CROSS SECTION RATIO. WE HAVE ASSUMED TOTAL CAPTURE CROSS SECTION IS 0.91 BARNS	34-SE-80	2.50-08 2.50-08	2 N.O	SPECT. AV.
2701 PHYS. REV. 79, 789 (1950) J. H. REYNOLDS (U. CHICAGO) MASS SPECTROMETRY	29-CU-63 35-BR-79	2.50-08 2.50-08 2.50-08 2.50-08	1 ABSORP 1 ABSORP	C/S RATIO C/S RATIO
2702 PRIVATE COMMUNICATION (1958) W. A. BROOKSBANK, JR., G. W. LEDDICOTTE, W. S. LYON, S. A. REYNOLDS (ORNL)	37-RD-85	2.50-08 2.50-08	1 N.O	SPECT. AV.
2703 PHYS. REV. 79, 886 (1950) J. H. REYNOLDS (ANL)	36-KR-80	2.50-08 2.50-08	1 N.O	SPECT. AV.
2704 RADIOCHEMICAL STUDIES. THE FISSION PRODUCTS 2, 642 (1951) E. J. HDAGLAND, H. SUGARMAN (ANL) PAPER 70. BETA AND GAMMA-RAY COUNTING	36-KR-84	2.50-08 2.50-08	1 N.O	SPECT. AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF. NO. - 2704

07/04/76

CSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2705

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2705 Z. NATURFORSCHG. 13, 820 (1958) H. MEISTER (GERMANY) BETA COUNTING. RELATIVE TO AU-197 CROSS SECTIONS OF 98.7 BARN	25-MN-55 29-CU-63 46-PD-108 49-IN-115	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 N,G 1 N,G 1 N,G 1 N,G	SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV.
2706 INT. J. APPL. RADIAT. ISOTOP. 27, 121 (1969) H.A. O'BRIEN, JR. (ORNL) RELATIVE TO F-254(N,P) CROSS SECTIONS = 0.061 BARNS	30-ZN-67	2.00+00 2.00-00	1 N,P	SPECT.AV.
2707 J. INORG. NUCLEAR CHEM. 30, 3145 (1968) L. HUSAIN, A. BARI, P.K. KURODA (U. ARKANSAS) ACTIVATION ANALYSIS. RELATIVE TO AL-27(N,ALPHA) CROSS SECTIONS OF 114 MILLIBARNS	45-RH-103 45-RH-103 45-RH-103	1.40+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01	1 N,N'A 1 N,P 1 N,HE3	
2708 ACTA PHYSICA ACAD. SCI. HUNGARICAE 24, 199 (1968) J. CSIKAI, K. JOST, A. SZALAY (DEBRECEN, HUNGARY) RELATIVE TO ZN-64(N,P) CROSS SECTIONS = 175 MILLIBARNS	30-ZN-64	1.47+01 1.47+01	1 N,T	
2709 NUCLEAR PHYS. 124, 15 (1969) W.H. ZOLLER, G.E. GORDON, W.B. WALTERS (MIT) MEASURED ISOMERIC YIELD RATIO. WE HAVE ASSUMED THE CROSS SECTION (56 MIN) = 1.0 BARN	30-ZN-68	2.50-08 2.50-08	1 N,G	SPECT.AV.
2710 NUCLEAR PHYS. 127, 81 (1969) C. SPIRA, J.M. ROBSON (CANADA) COUNTER TELESCOPE	22-TI-47 26-Fe-56 27-CO-59 28-NI-58 28-NI-60 28-NI-61 29-CU-63 30-ZN-64	1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01	1 N,A 1 N,A 1 N,A 2 N,A 1 N,A 2 N,A 1 N,A 1 N,A	
2711 UCRL-71499 (1968) R.C. BARRALL, M. SILBERGELD, D.G. GARDNER (LRL, LIVERMORE) ACTIVATION METHOD NUCLEAR PHYS. 138, 307 (1969)	13-AL-27 16-S-32 25-MN-55 26-Fe-54 26-Fe-56 28-NI-58 28-NI-58 28-NI-58 28-NI-58 49-IN-115 49-IN-115 53-I-127	1.48+01 1.48+01	1 N,A 1 N,P 1 N,2N 1 N,P 1 N,P 1 N,2N 1 N,P 1 ACTIVAT 1 N,N' 1 N,2N 1 N,2N	
2712 NUCL. REACT./LIGHT NUCLEI/NUCL. STRUCT. ROSENDOFF, P. 233 (1967) T. KOZLOWSKI, Z. MOROZ, E. RURARZ, J. WOJTKOWSKA (INR, POLAND) REPORT NUMBER FOR ABOVE PROCEEDINGS IS ZFK-130 (1967) ACTA PHYSICA POLONICA 33, 409 (1968)	49-IN-113 49-IN-115	1.47+01 1.47+01 1.47+01 1.47+01	2 N,2N 2 N,2N	
2713 BULL. AM. PHYS. SOC. 13, 1663 (1968) L.D. WEBER, J.L. DUGGAN (RICKS COLLEGE)	24-CR-53 32-GE-74	1.47+01 1.47+01 1.47+01 1.47+01	1 N,N,P 1 N,N,P	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-378 ***

REF.NO.=2713

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2713

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2713 ACTIVATION METHOD

2714	PHYS. REV. 72, 16 (1947) H.L.ANDERSON, E.FERMI, A.WATTENDERG. G.L.WEIL, W.H.ZINN (ANL) PILE REACTIVITY MEASUREMENTS. RELATIVE TO B CROSS SECTIONS = 759 BARNs	41-NB-93	2.50-08 2.50-08	1	ABSORP	SPECT.AV.
2715	IDO-16760 PAGE 13 (1961) R.P.SCHUMAN (PHILLIPS PET.) REACTOR IRRADIATION WITH AND WITHOUT CD SHIELD	41-NB-93 41-NB-93 41-NB-94 41-NB-94	2.50-08 2.50-08 5.00-07 1.50+01 2.50-08 2.50-08 5.00-07 1.50+01	1 1 1 1	N.G N.G N.G N.G	SPECT.AV. RES.INT. SPECT.AV. RES.INT.
2716	PHYS. REV. 92, 369 (1953) D.L.DOUGLAS, A.C.MENHWERTER, R.P.SCHUMAN (KAPL) RELATIVE TO NB93 CROSS SECTIONS = 1.1 +- 0.1 BARN	41-NB-94	2.50-08 2.50-08	1	N.G	SPECT.AV.
2717	J. INORG. NUCLEAR CHEM. 21, 1 (1961) M.J.CABELL (AERE) ACTIVATION METHOD. RELATIVE TO AU-197 CROSS SECTION OF 98.8 BAND R1 OF 1558 BARNs	42-MO-98 42-MO-98 42-MO-98	2.50-08 2.50-08 2.50-08 2.50-08 5.00-07 1.50+01	1 1 1	N.G N.G ABSORP	SPECT.AV. RES.INT.
2718	J. NUCLEAR ENERGY, PART A, 14, 53 (1961) R.DAHLBERG, K.JIRLOW, E.JOHANSSON (SWEDEN) CD RATIO MEASUREMENTS	11-NA-23 25-MN-55 27-CO-59 29-CU-63 29-CU-65 42-MO-98 42-MO-98	5.00-07 1.50+01 5.00-07 1.50+01 5.00-07 1.50+01 5.00-07 1.50+01 5.00-07 1.50+01 2.53-08 2.53-08 5.00-07 1.50+01	1 1 1 1 1 1 1	N.G N.G N.G N.G N.G N.G N.G	RES.INT. RES.INT. RES.INT. RES.INT. RES.INT. RES.INT.
2719	PHYS. REV. 91, 1423 (1953) D.J.HUGHES, R.C.GARTH, J.S.LEVIN (BNL) ACTIVATION METHOD	42-MO-98 50-SN-122 50-SN-124	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1	N.G N.G N.G	SPECT.AV. SPECT.AV. SPECT.AV.
2720	NRDC-103 (TNCC-UK-24) (1958) H.J.HAY, N.J.PATTENDEN (AERE) CRYSTAL SPECTROMETER. ABSORPTION AND SCATTERING CROSS SECTION DEDUCED FROM THE TOTAL CROSS SECTION	43-TC-99 43-TC-99 43-TC-99 60-ND-145 60-ND-145	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 1 1 1 1	TOTAL SCATTER ABSORP TOTAL ABSORP	
2721	ORNL-1975 PAGE 31 (1955) H.S.POMERANCE (ORNL) PILE OSCILLATOR. RELATIVE TO AU-197 CROSS SECTIONS OF 98 BARN	43-TC-99	2.50-08 2.50-08	1	ABSORP	SPECT.AV.
2722	ORNL-3679 PAGE 10 (1964) P.M.LANTZ, C.R.BALDOCK, L.E.IDOM (ORNL) IRRADIATION WITH AND WITHOUT CD FILTER	46-PD-108 46-PD-106	2.50-08 2.50-08 5.00-07 1.50+01	1 1	N.G ABSORP	SPECT.AV. RES.INT.
2723	ORNL-3679 PAGE 11 (1964) P.M.LANTZ (ORNL) MEASURED 726 KEV GAMMA ACTIVITY OF RH-105	44-RU-104 44-RU-104 44-RU-104	2.50-08 2.50-08 2.50-08 2.50-08 5.00-07 1.50+01	1 1 1	N.G N.G N.G	SPECT.AV. SPECT.AV. RES.INT.
2724	ORNL-3679 PAGE 12 (1964) J.HALPERIN, C.R.BALDOCK, J.H.OLIVER (ORNL) MASS SPECTROMETRY	44-RU-99 44-RU-100 44-RU-101	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1	N.G N.G N.G	SPECT.AV. SPECT.AV. SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-379 ***

REF.NO.=2724

REF BIBLIOGRAPHY

		TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2725	ORNL-3679 PAGE 12 (1964) P.M.LANTZ, C.R.BALDOCK, R.W.STOUGHTON, L.E.IDOM (ORNL) IRRADIATION WITH AND WITHOUT Cd COVER. MASS SPECTROMETRY. RELATIVE TO RU-104 CROSS SECTIONS OF 0.42 BARNS AND RI OF 4.1 BARNS. SEE ALSO ORNL-3488 PAGE 16 (1963)	45-RH-105	2.50-08 2.50-08	1 N,G	SPECT.AV.
2726	NUOVO CIMENTO 17, 687 (1960) B.L.SHARMA (OHIO STATE U.) BULL. AM. PHYS. SOC. 4, 151 (1959) B.L.SHARMA, M.L.POOL CALCULATED CROSS SECTIONS FROM INTENSITY OF 513 KEV GAMMA RAY FROM RH-106. ASSUMED RU-104 CROSS SECTIONS HAS 0.7 BARNS	44-RU-105	2.50-08 2.50-08	1 N,G	SPECT.AV.
2727	NUCLEAR SCIENCE AND ENGINEERING 21, 20 (1965) R.D.WERNER, T.A.EASTWOOD (CHALK R.) MEASURED YIELD OF 22 MIN RH-107. RELATIVE TO CO CROSS SECTIONS OF 37.5 BARNS AND RI OF 72.7 BARNS	44-RU-106 44-RU-106 44-RU-106	2.50-08 2.50-08 2.50-08 2.50-08 5.40-07 1.50+01	1 N,G 1 N,G 1 N,G	SPECT.AV. RES.INT.
2728	J. NUCLEAR ENERGY 1, 144 (1954) A.GREEN, D.J.LITTLE, E.E.LOCKETT, V.G.SMALL, A.H.SPURWAY, E.BOWELL (AERE) PILE OSCILLATOR MEASUREMENTS. RELATIVE TO AU-197 CROSS SECTIONS OF 98.8 BARNS	47-AG-NAT	2.53-08 2.53-08	1	ABSORP
2729	NUCLEAR SCIENCE AND ENGINEERING 20, 298 (1964) L.E.GLENDENIN, R.A.SCHMITT (ANL) GAMMA RAY COINCIDENCE COUNTING. RELATIVE TO CO-59 CROSS SECTIONS OF 36 BARNS. SEE ALSO ANL-6797 PAGE 388 (1963) L.E.GLENDENIN, H.C.ORIFFIN, R.A.SCHMITT	46-RH-105 46-RH-105	2.50-08 2.50-08 2.50-08 2.50-08	1 N,G 1 N,G	SPECT.AV. SPECT.AV.
2730	PHYS. REV. 95, 582 (1954) F.R.SCOTT, D.B.THOMSON, W.WRIGHT (LASL) MEASURED THERMAL NEUTRON DECAY CONSTANT	1-H -1 47-AG-NAT	2.53-08 2.53-08 2.53-08 2.53-08	1 1	ABSORP ABSORP
2731	INDIAN J. PHYS. CALCUTTA 31, 630 (1957) M.L.SENGAL (INDIA) ACTIVATION ANALYSIS	47-AG-109 49-IN-115	2.50-08 2.50-08 2.50-08 2.50-08	1 N,G 1 N,G	SPECT.AV. SPECT.AV.
2733	PHYS. REV. 74, 1248 (1948) M.GOLDBABER, C.O.HUEHLHAUSE (ANL) ACTIVATION	49-IN-113	2.50-08 2.50-08	1 N,G	SPECT.AV.
2734	NUCLEAR SCIENCE AND ENGINEERING 17, 329 (1963) K.H.BECKURTS, M.BROSE, M.KNOCHE, G.KRUGER, W.P.PONITZ, H.SCHMIDT (GERMANY) RELATIVE TO AU-197 CROSS SECTIONS = 98.8 BARNS	49-IN-115 49-IN-115 49-IN-115 49-IN-115 49-IN-115	2.50-08 2.50-08 2.50-08 2.50-08 5.50-07 1.50+01 1.30-06 1.50+01 1.30-06 1.50+01	1 N,G 1 N,G 1 N,G 1 N,G 1 N,G	SPECT.AV. SPECT.AV. RES.INT. RES.INT. RES.INT.
2735	PHYS. LETTERS 3, 40 (1962) P.FETIWEIS (BELGIUM) COMPARED GAMMA RAY INTENSITY FROM THE ISOMERIC STATES	49-IN-115 49-IN-115	2.50-08 2.50-08 2.50-08 2.50-08	2 N,G 1 N,G	SPECT.AV. SPECT.AV.
2736	PHYS. REV. 119, 208 (1960) F.DOMANIC, V.L.SAILOR (BNL) MEASURED RATIO OF THE 54 MINUTE TO THE 13 SECOND ACTIVITY. RATIO CORRECTED IN NUCLEAR SCIENCE AND ENGINEERING 19, 464 (1964)	49-IN-115	2.50-08 2.50-08	1 N,G	SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-380 ***

REF.NO.=2738

REF. NO. • 2736

[illegible]

2742 PHYS. REV. 75, 1781 (1949) D.J.HUGHES, W.D.B.SPATZ,
N.GOLDSTEIN (ANL)
THERMAL CROSS SECTIONS ARE UNREPORTED ANL DATA

49-IN-115	2.50-08	2.50-08	1 N,0	SPECT. AV.
49-IN-115	2.53-08	2.53-08	1 N,0	
50-SN-112	2.50-08	2.50-08	1 N,0	SPECT. AV.
50-SN-112	2.50-08	2.50-08	1 N,0	SPECT. AV.
50-SN-112	2.50-08	2.50-08	1 N,0	SPECT. AV.
50-SN-122	2.50-08	2.50-08	1 N,0	SPECT. AV.
50-SN-124	2.50-08	2.50-08	1 N,0	SPECT. AV.
50-SN-124	2.50-08	2.50-08	1 N,0	SPECT. AV.
11-NA-23	2.50-08	2.50-08	1 N,0	SPECT. AV.
12-MO-26	2.50-08	2.50-08	1 N,0	SPECT. AV.
13-AL-27	2.50-08	2.50-08	1 N,0	SPECT. AV.
17-CL-37	2.50-08	2.50-08	1 N,0	SPECT. AV.
23-V-51	2.50-08	2.50-08	1 N,0	SPECT. AV.
25-MN-55	2.50-08	2.50-08	1 N,0	SPECT. AV.
27-CO-59	2.50-08	2.50-08	1 N,0	SPECT. AV.
27-CO-59	2.50-08	2.50-08	1 N,0	SPECT. AV.
28-NI-66	2.50-08	2.50-08	1 N,0	SPECT. AV.
29-CU-63	2.50-08	2.50-08	1 N,0	SPECT. AV.
29-CU-65	2.50-08	2.50-08	1 N,0	SPECT. AV.
30-ZN-68	2.50-08	2.50-08	1 N,0	SPECT. AV.
31-0A-69	2.50-08	2.50-08	1 N,0	SPECT. AV.
33-AS-75	2.50-08	2.50-08	1 N,0	SPECT. AV.
35-BR-78	2.50-08	2.50-08	1 N,0	SPECT. AV.
35-BR-79	2.50-08	2.50-08	1 N,0	SPECT. AV.
35-BR-81	2.50-08	2.50-08	1 N,0	SPECT. AV.
41-NB-93	2.50-08	2.50-08	1 N,0	SPECT. AV.
42-MO-90	2.50-08	2.50-08	1 N,0	SPECT. AV.
42-MO-100	2.50-08	2.50-08	1 N,0	SPECT. AV.
45-RH-103	2.50-08	2.50-08	1 N,0	SPECT. AV.
45-KH-103	2.50-08	2.50-08	1 N,0	SPECT. AV.
47-AO-107	2.50-08	2.50-08	1 N,0	SPECT. AV.
47-AO-109	2.50-08	2.50-08	1 N,0	SPECT. AV.
49-IN-115	2.50-08	2.50-08	1 N,0	SPECT. AV.
49-IN-115	2.50-08	2.50-08	1 N,0	SPECT. AV.
51-SB-121	2.50-08	2.50-08	1 N,0	SPECT. AV.
53-I-127	2.50-08	2.50-08	1 N,0	SPECT. AV.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1	0.000-0.005	1	0.000-0.005
2	0.005-0.010	1	0.005-0.010
3	0.010-0.015	1	0.010-0.015
4	0.015-0.020	1	0.015-0.020
5	0.020-0.025	1	0.020-0.025
6	0.025-0.030	1	0.025-0.030
7	0.030-0.035	1	0.030-0.035
8	0.035-0.040	1	0.035-0.040
9	0.040-0.045	1	0.040-0.045
10	0.045-0.050	1	0.045-0.050
11	0.050-0.055	1	0.050-0.055
12	0.055-0.060	1	0.055-0.060
13	0.060-0.065	1	0.060-0.065
14	0.065-0.070	1	0.065-0.070
15	0.070-0.075	1	0.070-0.075
16	0.075-0.080	1	0.075-0.080
17	0.080-0.085	1	0.080-0.085
18	0.085-0.090	1	0.085-0.090
19	0.090-0.095	1	0.090-0.095
20	0.095-0.100	1	0.095-0.100
21	0.100-0.105	1	0.100-0.105
22	0.105-0.110	1	0.105-0.110
23	0.110-0.115	1	0.110-0.115
24	0.115-0.120	1	0.115-0.120
25	0.120-0.125	1	0.120-0.125
26	0.125-0.130	1	0.125-0.130
27	0.130-0.135	1	0.130-0.135
28	0.135-0.140	1	0.135-0.140
29	0.140-0.145	1	0.140-0.145
30	0.145-0.150	1	0.145-0.150
31	0.150-0.155	1	0.150-0.155
32	0.155-0.160	1	0.155-0.160
33	0.160-0.165	1	0.160-0.165
34	0.165-0.170	1	0.165-0.170
35	0.170-0.175	1	0.170-0.175
36	0.175-0.180	1	0.175-0.180
37	0.180-0.185	1	0.180-0.185
38	0.185-0.190	1	0.185-0.190
39	0.190-0.195	1	0.190-0.195
40	0.195-0.200	1	0.195-0.200
41	0.200-0.205	1	0.200-0.205
42	0.205-0.210	1	0.205-0.210
43	0.210-0.215	1	0.210-0.215
44	0.215-0.220	1	0.215-0.220
45	0.220-0.225	1	0.220-0.225
46	0.225-0.230	1	0.225-0.230
47	0.230-0.235	1	0.230-0.235
48	0.235-0.240	1	0.235-0.240
49	0.240-0.245	1	0.240-0.245
50	0.245-0.250	1	0.245-0.250
51	0.250-0.255	1	0.250-0.255
52	0.255-0.260	1	0.255-0.260
53	0.260-0.265	1	0.260-0.265
54	0.265-0.270	1	0.265-0.270
55	0.270-0.275	1	0.270-0.275
56	0.275-0.280	1	0.275-0.280
57	0.280-0.285	1	0.280-0.285
58	0.285-0.290	1	0.285-0.290
59	0.290-0.295	1	0.290-0.295
60	0.295-0.300	1	0.295-0.300
61	0.300-0.305	1	0.300-0.305
62	0.305-0.310	1	0.305-0.310
63	0.310-0.315	1	0.310-0.315
64	0.315-0.320	1	0.315-0.320
65	0.320-0.325	1	0.320-0.325
66	0.325-0.330	1	0.325-0.330
67	0.330-0.335	1	0.330-0.335
68	0.335-0.340	1	0.335-0.340
69	0.340-0.345	1	0.340-0.345
70	0.345-0.350	1	0.345-0.350
71	0.350-0.355	1	0.350-0.355
72	0.355-0.360	1	0.355-0.360
73	0.36		

REF. NO. -2742

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2742

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2742	56-BA-138	2.50-08 2.50-08	1 N,G	SPECT.AV.
	74-W-185	2.50-08 2.50-08	1 N,G	SPECT.AV.
	78-PT-198	2.50-08 2.50-08	1 N,G	SPECT.AV.
	79-AU-197	2.50-08 2.50-08	1 N,G	SPECT.AV.
	80-HG-204	2.50-08 2.50-08	1 N,G	SPECT.AV.
	82-PB-208	2.50-08 2.50-08	1 N,G	SPECT.AV.
	83-R1-209	2.50-08 2.50-08	1 N,G	SPECT.AV.
2743 NUCLEAR INSTRUMENTS AND METHODS 60, 113 (1968) M P NAVAIAKAR, K.CHANDRAMOLESWAR, D.V.S.RAMAKRISHNA (INDIA)	47-A6-109	5.20-06 5.20-06	2 RES.PARAM.	
LEAD SLOWING DOWN SPECTROMETER. AREA ANALYSIS	87-MO-185	3.92-06 3.92-06	2 RES.PARAM.	
	73-TA-181	4.28-06 4.28-06	2 RES.PARAM.	
	79-AU-197	4.90-06 4.90-06	2 RES.PARAM.	
2744 FEW BODY PROBLEMS LIGHT NUCLEI/NUCLEI INTERACTION. BRELA.P.857(1967) K.DEBERTIN, E.ROSSLE, J.U.SCHOTT (FRANKFURT)	1-H-3	1.40-01 1.80-01	17	ELASTIC DIA)
2745 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 2.695 (1968) S.J.FRIESENHAIN, W.M. LOPEZ, F.H.FROHNER, A.D.CARLSON, D.G.COSTELLO (GGA)	11-NA-23	2.85-03 2.85-03	1	RES.PARAM.
TIME OF FLIGHT TECHNIQUE. LARGE LIQUID SCINTILLATOR. AREA ANALYSIS				
2746 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 1.225 (1968) L.F.HANSEN, J.D.ANDERSON, M.L.STELTS, C.WONG (LRL LIVEFLORE)	6-C-NAT	1.53-01 1.53-01	1	NONELAS
PULSED SPHERE TRANSMISSION TECHNIQUE	6-C-12	1.53-01 1.53-01	2	N,N'
2747 NUCLEAR PHYS. 128, 333 (1969) N.RANAKUMAR, E.KARTTUNEN, R.W.FINK (GEORGIA INST.TECH.)	18-AR-38	1.44-01 1.44-01	1	N,P
ACTIVATION TECHNIQUE. RELATIVE TO MN55 THERMAL CROSS SECTIONS	18-AR-40	1.44-01 1.44-01	1	N,P
OF 13.3 BARNS. 14.4 MEV SI-28(N,P) CROSS SECTIONS OF 0.252	18-AR-40	1.44-01 1.44-01	1	N,A
BARNS AND 14.4 MEV FE56(N,P) CROSS SECTIONS OF 0.100 BARNS	18-AR-40	1.44-01 1.44-01	1	ACTIVAT
	18-AR-40	2.50-08 2.50-08	1	N,G SPECT.AV.
2748 Z. NATURFORSCHO. 18, 1339 (1983) W.KOHLER (GERMANY)	11-NA-23	2.50-08 2.50-08	1	N,G SPECT.AV.
ACTIVATION TECHNIQUE. RELATIVE TO AU-197 CROSS SECTIONS OF 98.9 BARNS AND NA23 CROSS SECTIONS OF 0.534 BARNS	18-AR-40	2.50-08 2.50-08	2	N,G SPECT.AV.
2749 BULL. AM. PHYS. SOC. 13, 1420 (1968) A.MITTLER, K.C.CHUNG, M.T.MC ELLISTREH, J.D.BRANDENBURGER (U.KENTUCKY)	12-MO-24	8.00-00 8.00-00	13	ELASTIC DIA)
TIME OF FLIGHT TECHNIQUE. CORRECTED FOR FLUX ATTENUATION.	13-AL-27	8.00-00 8.00-00	13	ELASTIC DIA)
ANGULAR RESOLUTION AND MULTIPLE SCATTERING. THE 0.925 MEV	13-AL-27	8.00-00 8.00-00	39	N,N' DIA)
LEVEL IN AL27 IS TO LEVELS AT 0.84 AND 1.01 MEV. THE 2.9 MEV	14-SI-28	8.00-00 8.00-00	13	ELASTIC DIA)
LEVEL IN AL27 IS TO LEVELS AT 2.73, 2.98 AND 3.00 MEV.	14-SI-28	8.00-00 8.00-00	13	N,N' DIA)
	15-P-31	8.00-00 8.00-00	12	ELASTIC DIA)
	15-P-31	8.00-00 8.00-00	24	N,N' DIA)
	16-S-32	8.00-00 8.00-00	13	ELASTIC DIA)
	16-S-32	8.00-00 8.00-00	13	N,N' DIA)
2750 NUCLEAR PHYS. 125, 463 (1969) D.BOGART, L.L.NICHOLS (PACIFIC NW)	5 B-10	2.90-02 8.17-01	27	N,A
NORMALIZED TO 1/V BELOW 80 KEV				
2752 GA-9275 PAGE 34 (1969) M.P.FRICK, W.M. LOPEZ, D.G.COSTELLO, S.J.FRIESENHAIN, A.D.CARLSON (GGA)	2-HE-3	3.50-01 1.00-00	5	N,P

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=2752

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2752 HE3 PROPORTIONAL COUNTERS
NUCLEAR SCIENCE AND ENGINEERING 39, 409 (1970)

2753 J. INORG. NUCLEAR CHEM. 31, 909 (1969) M.HILLMAN, E.SHIKATA
(BNL)
GAMMA RAY SPECTROMETRY. RELATIVE TO AL²⁷(N,ALPHA) CROSS
SECTIONS = 120 MILLIBARNS

TARGET	EN. RANGE (MEV)	PIS DESCRIPTION
72-HF-174	1.45+01 1.45+01	1 N,2N
72-HF-176	1.45+01 1.45+01	1 N,2N
72-HF-180	1.45+01 1.45+01	1 N,N'
72-HF-180	1.45+01 1.45+01	1 N,A

2754 J. INORG. NUCLEAR CHEM. 5, 253 (1958) T.J.KENNETT, H.C.THODE
(CHALK R.)
MASS SPECTROMETRIC TECHNIQUES. RELATIVE TO CO-59 CROSS
SECTIONS = 37.0 BARNS

TARGET	EN. RANGE (MEV)	PIS DESCRIPTION
53-1 -131	2.50-08 2.50-08	1 ABSORP SPECT.AV.

2755 CAN. J. PHYS. 33, 640 (1955) J.A.PETRUSKA, E.A.MELAIKA,
R.H.TOMLINSON (CHALK R.)
BASED ON MEASURED RATIO RELATIVE TO B-10 AND A B-10 CROSS
SECTION OF 255 BARNS

TARGET	EN. RANGE (MEV)	PIS DESCRIPTION
54-XE-135	2.50-08 2.50-08	1 ABSORP SPECT.AV.

2756 J. NUCLEAR ENERGY, PART A, 13, 141 (1961) F.BROWN,
P.J.CAMPION, B.H.OLIVER (CHALK R.)
CD-RATIO EXPERIMENT. RELATIVE TO CO-59 CROSS SECTIONS = 36.65
BARNS AND RI OF 74 BARNS

TARGET	EN. RANGE (MEV)	PIS DESCRIPTION
55-CS-133	2.50-08 2.50-08	1 N,0 SPECT.AV.
55-CS-133	5.00-07 1.50+01	1 N,0 RES.INT.

2757 KAPL-2000-12 PAGE 1.33 (1960) E.B.FEHR, E.C.HANSEN (KAPL)
ACTIVATION TECHNIQUE. RELATIVE TO CO-59 CROSS SECTIONS = 37
BARNS AND RI = 75 BARNS. SEE ALSO
KAPL-2000-11 PAGE 111.30 (1960) H.M.EILAND, E.B.FEHR,
E.C.HANSEN, J.L.MEHWERTER (KAPL)

TARGET	EN. RANGE (MEV)	PIS DESCRIPTION
55-CS-133	2.50-08 2.50-08	1 ABSORP SPECT.AV.
55-CS-133	5.00-07 1.50+01	1 ABSORP RES.INT.
59-PR-141	2.50-08 2.50-08	1 ABSORP SPECT.AV.

2758 CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., 2,821 (1968)
R.H.FULMER, L.J.ESCH, F.FEINER, T.F.RUANE (KAPL)
PILE OSCILLATOR TECHNIQUE. RELATIVE TO AU-197 RI OF 1588 BARN

TARGET	EN. RANGE (MEV)	PIS DESCRIPTION
72-HF-176	5.00-07 1.50+01	1 ABSORP RES.INT.
72-HF-177	5.00-07 1.50+01	1 ABSORP RES.INT.
72-HF-178	5.00-07 1.50+01	1 ABSORP RES.INT.
72-HF-179	5.00-07 1.50+01	1 ABSORP RES.INT.
72-HF-180	5.00-07 1.50+01	1 ABSORP RES.INT.

2759 CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., 2,893 (1968)
T.WATANABE, G.E.STOKES, R.P.SCHUMAN (IDAHO NUCLEAR)
FAST CHOPPER. AREA ANALYSIS

TARGET	EN. RANGE (MEV)	PIS DESCRIPTION
81-TL-204	1.22-04 7.96-04	2 RES.PARAM.

2760 CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., 2,1291 (1968)
R.S.MOWATT, W.H.WALKER (CHALK R.)
DEPLETION METHOD

TARGET	EN. RANGE (MEV)	PIS DESCRIPTION
61-PM-149	2.50-08 2.50-08	1 ABSORP SPECT.AV.

2761 PHYS. REV. C, 2, 2134 (1970) J.L.ROMERO, R.A.JUNGERMAN
F.P.BRADY, W.J.KNOX, Y.ISHIZAKI (U.CAL: ORNL, DAVIS)
TIME OF FLIGHT TECHNIQUE
BULL. AM. PHYS. SOC. 14, 553 (1969)
SOME NEW RESULTS ARE GIVEN IN
PHYS. REV. C, 6, 1150 (1972)
WHICH COULD CHANGE THE NORMALIZATION OF THE DATA SLIGHTLY

TARGET	EN. RANGE (MEV)	PIS DESCRIPTION
1-H -2	3.60+01 4.63+01	2 ELASTIC
1-H -2	3.60+01 4.63+01	23 ELASTIC D(A)

2762 ACTA PHYSICA ACAD. SCI. HUNGARICAE 24, 233 (1968)

TARGET	EN. RANGE (MEV)	PIS DESCRIPTION
58-CE-140	1.48+01 1.48+01	1 N,2N

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PIS DESCRIPTION
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REF.NO.=2762

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

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REF BIBLIOGRAPHY

2762 J.CSIKAI, V.I.FOMINICH, T.LAKATOS (DEBRECEN)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
58-CE-142	1.48-01 1.48+01	1	N,2N
59-PR-141	1.48+01 1.48+01	1	N,F

2763 PHYS. REV. C, 2, 139 (1970) K.C.CHUNG, A.MITTLER, J.D.BRANDENBERGER, M.T.MC ELLISTREM (U.KENTUCKY) THERE IS ALSO A PRIVATE COMMUNICATION FROM M.T.MC ELLISTREM (1969). VAN DE GRAAFF. TIME OF FLIGHT. GE(LI) DETECTOR. CYLINDRICAL CRYSTAL OF 1.53 MOLES NATURAL GE. CORRECTED FOR FLUX ATTENUATION, GAMMA ABSORPTION ANGULAR AND ENERGY SPREAD OF NEUTRONS. ERRORS APPROXIMATELY 10 PERCENT

32-GE-70	1.75+00 2.55+00	5	N,N'
32-GE-70	1.75+00 2.55+00	5	N,X0
32-GE-70	1.75+00 2.55+00	77	N,X0 D(A)
32-GE-72	1.75+00 2.55+00	9	N,N'
32-GE-72	1.75+00 2.55+00	12	N,X0
32-GE-72	1.75+00 2.55+00	99	N,X0 D(A)
32-GE-74	1.75+00 2.55+00	16	N,N'
32-GE-74	1.75+00 2.55+00	21	N,X0
32-GE-74	1.75+00 2.55+00	198	N,X0 D(A)
32-GE-76	1.75+00 2.55+00	6	N,N'
32-GE-76	1.75+00 2.55+00	9	N,X0
32-GE-76	1.75+00 2.55+00	88	N,X0 D(A)

2764 ANL-7310 PAGE 88 (1968) K.E.PLUMLÉE (ANL) RELATIVE TO AU-197 CROSS SECTIONS OF 98.8 BARN

51-SB-NAT	2.50-08 2.50-08	1	N,0 SPECT.AV.
51-SB-123	2.50-08 2.50-08	1	N,0 SPECT.AV.

2765 RPI-328-142 PAGE 50 (1968) G.J.DIROUAC, A.J.LEVY, K.W.SEEMANN, R.E.SLOVACEK (RPI) CAPTURE AND TRANSMISSION DATA, AREA AND SHAPE ANALYSIS

72-HF-177	1.09-05 1.38-05	6	RES.PARAM.
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2766 PHYS. REV. 91, 597 (1953) W.C.KOCHLER, E.O.WOLLAN (ORNL)

57-LA-NAT	2.53-08 2.53-08	1	SCATTER
57-LA-NAT	2.53-08 2.53-08	1	COHERT
58-CE-NAT	2.53-08 2.53-08	1	SCATTER
58-CE-NAT	2.53-08 2.53-08	1	COHERT
58-CE-140	2.53-08 2.53-08	1	SCATTER
58-CE-140	2.53-08 2.53-08	1	COHERT
58-CE-142	2.53-08 2.53-08	1	SCATTER
58-CE-142	2.53-08 2.53-08	1	COHERT
59-PR-141	2.53-08 2.53-08	1	SCATTER
59-PR-141	2.53-08 2.53-08	1	COHERT
60-ND-NAT	2.53-08 2.53-08	1	SCATTER
60-ND-NAT	2.53-08 2.53-08	1	COHERT
60-ND-142	2.53-08 2.53-08	1	SCATTER
60-ND-142	2.53-08 2.53-08	1	COHERT
60-ND-144	2.53-08 2.53-08	1	SCATTER
60-ND-144	2.53-08 2.53-08	1	COHERT
60-ND-146	2.53-08 2.53-08	1	SCATTER
60-ND-146	2.53-08 2.53-08	1	COHERT
62-SM-152	2.53-08 2.53-08	1	COHERT
62-SM-154	2.53-08 2.53-08	1	COHERT
68-ER-NAT	2.53-08 2.53-08	1	SCATTER
68-ER-NAT	2.53-08 2.53-08	1	COHERT

2767 NUCLEAR PHYS. 129, 571 (1962) K.BEG, R.D.MACFARLANE (CANADA) MEASURED ALPHA PARTICLE SPECTRUM. RELATIVE TO ND-143(N,ALPHA) CROSS SECTIONS OF 21.28 MILLIBARNS

64-GD-155	2.50-08 2.90-08	1	N,A SPECT.AV.
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2768 NUCLEAR SCIENCE AND ENGINEERING 33, 350 (1968) J.W.ROGERS, J.J.SCOVILLE (IDAHO NUCLEAR)

72-HF-NAT	5.00-07 1.50+01	1	ABSORP RES.INT.
72-HF-176	5.00-07 1.50+01	1	ABSORP RES.INT.

REF. BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF.NO.=2768

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

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REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2768 STATIC REACTIVITY TECHNIQUE. RELATIVE TO AU-197 R1 OF 1558 B	72-HF-177	5.00-07 1.50+01	1	ABSORP RES.INT.
	72-HF-178	5.00-07 1.50+01	1	ABSORP RES.INT.
	72-HF-179	5.00-07 1.50+01	1	ABSORP RES.INT.
	72-HF-180	5.00-07 1.50+01	1	ABSORP RES.INT.
2769 TRANS. AM. NUCLEAR SOC. 5, 377 (1962) J.J.SCOVILLE, D.W.KNIGHT, E.FAST (PHILLIPS) REACTIVITY MEASUREMENT. DY RESULTS SUPERCEDED BY REFERENCE 2630	74-W -NAT	5.00-07 1.50+01	1	ABSORP RES.INT.
	74-W -184	5.00-07 1.50+01	1	ABSORP RES.INT.
	74-W -186	5.00-07 1.50+01	1	ABSORP RES.INT.
2770 IN-1195 (1968) J.J.SCOVILLE, J.W.ROGERS (IDAHO NUCLEAR) REACTIVITY MEASUREMENTS. CORRECTED FOR NON 1/E FLUX BEHAVIOR. RELATIVE TO AU197 R1 = 1558 BARNS. SEE ALSO REFS. 2630, 2768 TRANS. AM. NUCLEAR SOC. 8, 290 (1965) TRANS. AM. NUCLEAR SOC. 10, 259 (1967) CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., P.773 (1966) J.J.SCOVILLE, E.FAST	33-AS-75	5.00-07 1.50+01	1	ABSORP RES.INT.
	44-RU-NAT	5.00-07 1.50+01	1	ABSORP RES.INT.
	45-HH-103	5.00-07 1.50+01	1	ABSORP RES.INT.
	46-PD-NAT	5.00-07 1.50+01	1	ABSORP RES.INT.
	57-LA-NAT	5.00-07 1.50+01	1	ABSORP RES.INT.
	60-NO-NAT	5.00-07 1.50+01	1	ABSORP RES.INT.
	63-EU-NAT	5.00-07 1.50+01	1	ABSORP RES.INT.
	63-EU-151	5.00-07 1.50+01	1	ABSORP RES.INT.
	63-EU-153	5.00-07 1.50+01	1	ABSORP RES.INT.
	65-TB-159	5.00-07 1.50+01	1	ABSORP RES.INT.
	67-HO-165	5.00-07 1.50+01	1	ABSORP RES.INT.
	68-ER-NAT	5.00-07 1.50+01	1	ABSORP RES.INT.
	69-TM-169	5.00-07 1.50+01	1	ABSORP RES.INT.
	70-YB-NAT	5.00-07 1.50+01	1	ABSORP RES.INT.
	71-LU-NAT	5.00-07 1.50+01	1	ABSORP RES.INT.
	71-LU-175	5.00-07 1.50+01	1	ABSORP RES.INT.
	71-LU-176	5.00-07 1.50+01	1	ABSORP RES.INT.
	73-TA-NAT	5.00-07 1.50+01	1	ABSORP RES.INT.
	76-OS-NAT	5.00-07 1.50+01	1	ABSORP RES.INT.
	77-IR-NAT	5.00-07 1.50+01	1	ABSORP RES.INT.
	93-NP-237	5.00-07 1.50+01	1	ABSORP RES.INT.
2771 PRIVATE COMMUNICATION (1966) HALLSER (CANADA) DATA FOR YB AND DY RENORMALIZED BY WALKER IN 1969 TO YB(N, GAMMA) CROSS SECTIONS = 42 BARNS AND DY(N,GAMMA) CROSS SECTIONS = 950 BARNS, RESPECTIVELY	62-SM-144	2.50-08 2.50-08	1	N.O SPECT.AV.
	62-SM-147	2.50-08 2.50-08	1	N.O SPECT.AV.
	62-SM-150	2.50-08 2.50-08	1	N.O SPECT.AV.
	62-SM-151	2.50-08 2.50-08	1	N.O SPECT.AV.
	62-SM-152	2.50-08 2.50-08	1	N.O SPECT.AV.
	62-SM-153	2.50-08 2.50-08	1	N.O SPECT.AV.
	64-CO-154	2.50-08 2.50-08	1	N.O SPECT.AV.
	64-OD-160	2.50-08 2.50-08	1	N.O SPECT.AV.
	66-DY-161	2.50-08 2.50-08	1	N.O SPECT.AV.
	66-DY-162	2.50-08 2.50-08	1	N.O SPECT.AV.
	66-DY-163	2.50-08 2.50-08	1	N.O SPECT.AV.
	66-DY-164	2.50-08 2.50-08	1	N.O SPECT.AV.
	70-YB-171	2.50-08 2.50-08	1	N.O SPECT.AV.
	70-YB-172	2.50-08 2.50-08	1	N.O SPECT.AV.
	70-YB-173	2.50-08 2.50-08	1	N.O SPECT.AV.
	70-YB-174	2.50-08 2.50-08	1	N.O SPECT.AV.
	70-YB-176	2.50-08 2.50-08	1	N.O SPECT.AV.
2772 RPI-32B-160 PAGE 26 (1969) G.J.KIROUAC, C.A.CONRAD (RPI) SHAPE ANALYSIS	61-PH-148	2.50-08 2.50-08	1	TOTAL
	61-PH-149	1.71-07 7.50-06	3	RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-385 ***

REF.NO.=2772

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2772

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2772 KAPL-3974 (1971) G.J.KIROUAC, H.M.EILAND, C.A.CONRAD,
R.E.SLOVACEK, K.W.SEEMANN
NUCLEAR SCIENCE AND ENGINEERING 52, 310 (1973)

2773 PHYS. REV. 178, 1904 (1969) J.K.TEMPERLEY (USANDL)
ACTIVATION TECHNIQUE. RELATIVE TO FE56(N,P) CROSS SECTIONS =
0.106 BARNs

80-HG-196	1.41+01	1.41+01	1 N,2N
80-HG-198	1.41+01	1.41+01	2 N,2N
80-HG-198	1.41+01	1.41+01	1 N,P
80-HG-199	1.41+01	1.41+01	1 N,P
80-HG-200	1.41+01	1.41+01	1 N,2N
80-HG-200	1.41+01	1.41+01	1 N,A
80-HG-201	1.41+01	1.41+01	1 N,P
80-HG-204	1.41+01	1.41+01	1 N,2N

2774 CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., 1,253 (1968)
R.SI-FR (BNL)
CD RATIO TECHNIQUE. RELATIVE TO AU-197 γ OF 1565 BARNs

25-MN-55	5.00-07	1.50+01	1 N,G	RES.INT.
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2775 J. INORG. NUCLEAR CHEM. 31, 1241 (1969) J.J.PINAJIAN (ORNL)
COMPARED MEASURED TO CALCULATED YIELDS OF NI-66

28-NI-65	2.50-08	2.50-08	1 N,G	SPECT.AV.
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2776 J. EXPTL. THEORET. PHYS. (USSR) 41, 1037 (1961) A.I.ISAKOV
(USSR)
NEUTRON LIFETIME MEASUREMENT

26-FE-NAT	2.50-08	2.50-08	1 ABSORP	SPECT.AV.
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2777 BULL. AM. PHYS. SOC. 14, 104 (1969) H.D.MC KINNEY, A.P.ARYA
(W.VIRGINIA U.)
NAI(TL) CRYSTAL. RELATIVE TO A CROSS SECTION OF 26.4 MB/SR
FOR THE 0.85 MEV GAMMA RAY FROM FE56 AT 90 DEGREES

28-NI-58	1.43+01	1.43+01	2 N,N'	D(A)
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2778 HELV. PHYS. ACTA 37, 222 (1964) R.VIENNET, T.KNELLWOLF,
J.ROSSEL (NEUCHATEL)
COUNTER TELESCOPE

20-CA-40	4.15+00	6.00+00	3 N,A	D(A)
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2779 PHYS. REV. 152, 980 (1966) D.B.FOSSAN, R.A.CHALMERS,
S.R.SALISBURY, F.J.VAUGHN (LOCKHEED)
TOTAL CROSS SECTION MEASUREMENT, NEUTRON ENERGY SPREADS FROM
15-50 KEV.

7-N -15	3.48+00	6.25+00	26	RES.PARAM.
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2781 ARKIV FYSIK 15, 471 (1959) N.G.SJOSTRAND, J.MEDNIS, T.NILSSON
(SWEDEN)
PULSED SOURCE MEASUREMENT

1-H -1	2.53-08	2.53-08	1	ABSORP
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2782 PROC. ROY. SOC. (LONDON) 248, 539 (1958) A.R.BAKER (ENGLAND)
NEUTRON DENSITY MEASUREMENTS. RELATIVE TO HARWELL STANDARD
BORON

1-H -1	2.53-08	2.53-08	1	ABSORP
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2783 PHYS. REV. 96, 1245 (1954) G.VON DARDEL, N.G.SJOSTRAND
(SWEDEN)
PULSED NEUTRON SOURCE MEASUREMENT

1-H -1	2.53-08	2.53-08	1	ABSORP
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2784 PHYS. REV. 91, 125 (1953) S.P.HARRIS, C.O.MUEHLHAUSE,
D.C.ROSE, H.P.SCHROEDER, G.E.THOMAS, S.WEXLER (ANL)

1-H -1	2.53-08	2.53-08	1	ABSORP
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REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-386 ***

REF.NO.=2784

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 2784

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2784 PILE OSCILLATOR TECHNIQUE. RELATIVE TO ANL BORON CROSS SECTIONS OF 755 BARNS

2785 PHYS. REV. 91, 1284 (1953) G. VON DARDEL, A. W. WALTNER (SWEDEN)
MEASUREMENT OF NEUTRON LIFETIME IN WATER1-H -1 2.53-08 2.53-08 1 ABSORP
5-B -NAT 2.50-08 2.50-08 1 ABSORP SPECT. AV.2786 PHYS. REV. 90, 603 (1953) B. HAMERMESH, G. R. RINGO, S. WEXLER
(ANL)
ACTIVATION MEASUREMENT. RELATIVE TO ANL BORON CROSS SECTIONS OF 755 BARNS1-H -1 2.53-08 2.53-08 1 ABSORP
5-B -NAT 2.53-08 2.53-08 1 ABSORP2787 PHYS. REV. 61, 152 (1942) J. H. MANLEY, C. J. MAWORTH, E. A. LUEBKE
(U. ILLINOIS)
NEUTRON LIFETIME MEASUREMENT

1-H -1 2.53-08 2.53-08 1 ABSORP

2788 PHYS. REV. 126, 632 (1962) W. C. DICKINSON, L. PASSELL,
O. HALPERN (LRL)
MIRROR REFLECTION TECHNIQUE

1-H -1 2.53-08 2.53-08 1 COHERT

2789 PHYS. REV. 90, 1125 (1953) A. T. STEWART, O. L. SQUIRES (ENGLAND)
TRANSMISSION MEASUREMENT. RELATIVE TO 2700 M/SEC ABS CROSS SECTION OF 0.330 BARNS

1-H -1 2.53-08 2.53-08 1 COHERT

2790 PHYS. REV. 84, 1160 (1951) M. T. BURG, G. R. RINGO, D. J. HUGHES,
(ANL)
LIQUID MIRROR REFLECTION

1-H -1 2.53-08 2.53-08 1 COHERT

2791 PHYS. REV. 82, 5 (1951) W. E. MEYERHOF, D. B. NICODEMUS
(STANFORD U.)
DEPOLARIZATION OF POLARIZED NEUTRONS

1-H -1 2.50-08 2.50-08 1 INCOHER

2792 PHYS. REV. 114, 1561 (1959) R. W. STOKESBERRY, M. F. CROUCH
(CASE INST. TECH)
MEASURED MEAN LIFETIME OF THERMAL NEUTRONS IN WATER

1-H -1 2.53-08 2.53-08 1 ABSORP

2793 ANL-6719 PAGE 17 (1963) S. RABOY, C. C. TRAIL (ANL)
OBSERVED RELATIVE GAMMA-RAY INTENSITY. RELATIVE TO H CROSS SECTIONS OF 0.332 BARNS

1-H -2 2.50-08 2.50-08 1 N, O SPECT. AV.

2794 CAN. J. PHYS. 29, 36 (1951) D. G. HURST, N. Z. ALCOCK (CHALK R.)
GAS SCATTERING EXPERIMENTS AND TRANSMISSION MEASUREMENT.
RELATIVE TO TOTAL CROSS SECTIONS OF 3.44 BARNS. VALUE OF
COHERENT SCATTERING CROSS SECTIONS CALCULATED FROM SCATTERING
AMPLITUDES1-H -2 7.24-08 7.24-08 1 ELASTIC
1-H -2 2.53-08 2.53-08 1 COHERT
26-FE-NAT 7.24-08 7.24-08 1 ELASTIC2795 Z. KRIST. 11, 149 (1963) W. GISSLER (TECH. HOCH., MUNICH)
TRANSMISSION MEASUREMENT OF SCATTERING CROSS SECTION AT 77
AND 4 DEGREES KELVIN

1-H -2 2.53-08 2.53-08 1 INCOHER

2796 PHYS. REV. 75, 1358 (1949) J. H. COON, R. A. NOBLES (LASL)
PROPORTIONAL COUNTER. BASED ON B(N, ALPHA) CROSS SECTIONS =
759 BARNS2-HE-3 2.50-08 2.50-08 1 ABSORP SPECT. AV.
7-N -14 2.50-08 2.50-08 1 N, P SPECT. AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-387 ***

REF. NO. = 2796

07/04/76

ECSIL-760) BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2797

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2797	PHYS. REV. 54, 541 (1938) H.CARROLL, J.R.DUNNING (COLUMBIA U.) TRANSMISSION MEASUREMENT. SEE PHYS. REV. 58, 1004 (1940) J.SCHWINGER FOR DOPPLER CORRECTION	2-HE-NAT	2.50-08 2.50-08	1 TOTAL	SPECT.AV.
2798	PHYS. REV. 72, 1147 (1947) R.B.SUTTON, T.HALL, E.E.ANDERSON, H.S.BRIDGE, J.W.DEWIBE, L.S.LAVATELLI, E.A.LONG, T.M.SNYDER, R.H.WILLIAMS (ANL) TRANSMISSION MEASUREMENT	1-H -1	2.53-08 2.53-08	1 COHERT	
2799	HELV. PHYS. ACTA 34, 483 (1961) L.JARCZYK, J.LANG, R.MULLER, W.WOLFLI (SWITZERLAND) MEASURED GAMMA RAY SPECTRA	3-LI-6 3-LI-7 4-BE-9	2.5-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 N,0 1 N,0 1 N,0	SPECT.AV. SPECT.AV. SPECT.AV.
2800	CAN. J. PHYS. 35, 1347 (1957) G.A.BARTHOLOMEW, P.J.CAMPION (CHALK R.) MEASURED CAPTURE GAMMA-RAY SPECTRA	3-LI-6 7-N -14	2.50-08 2.50-08 2.50-08 2.50-08	1 N,0 1 N,0	SPECT.AV. SPECT.AV.
2801	J. PHYS. SOC. JAPAN, SUPPL.B-11, 17, 335 (1962) S.W.PETERSON, H.C.SMITH (ORNL) BRAGG SCATTERING OF RESONANT NEUTRONS	3-LI-6	2.53-08 2.53-08	1 COHERT	
2802	DOKLADY AKAD. NAUK S.S.S.R. 111 331 (1956) E.A.KOLTYNIN, V.M.MOROZOV (USSR) ACTIVATION TECHNIQUE. RELATIVE TO LI-6-N,T) CROSS SECTIONS OF 67 BARNs FOR NATURAL LI	3-LI-7	2.50-08 2.50-08	1 N,0	SPECT.AV.
2803	PHYS. REV. 72, 646 (1947) D.J.HUGHES, D.HALL, C.EGOLER, E.GOLDFARB (ANL) ACTIVATION ANALYSIS. ASSUMED F(N,GAMMA) CROSS SECTIONS = 0.010 BARNs	3-LI-7	2.53-08 2.53-08	1 N,0	
2804	PHYS. REV. 71, 269 (1947) D.J.HUGHES, C.EGOLER, C.M.HUDDLESTON (ANL) ACTIVATION ANALYSIS. VALUE HERE BASED ON 8E-10 HALFLIFE OF 2.5 MILLION YEARS, AS REPORTED IN PHYS. REV. 72, 591 (1947) E.M.MC MILLAN	4-BE-9	2.50-08 2.50-08	1 N,0	SPECT.AV.
2805	NUCLEAR SCIENCE AND ENGINEERING 9, 99 (1961) G.J.SAFFORD, T.I.TAYLOR, B.M.RUSTAD, W.W.HAVENS,JR. (COLUMBIA U.) CRYSTAL SPECTROMETER MEASUREMENT OF TOTAL CROSS SECTIONS. THESE ARE FOUR STANDARD BORON SAMPLES (SEE REFERENCE). SEE ALSO REFERENCE 805	5-B -NAT	2.53-08 2.53-08	3 ABSORP	
2806	PRIVATE COMMUNICATION (1952) H.PALEVSKY, R.R.SMITH (BNL) SLOW CHOPPER. EXTRAPOLATION OF 1/V COMPONENT OF TOTAL CROSS SECTIONS	4-BE 9	2.53-08 2.53-08	1 ABSORP	
2807	PROGRESS IN NUCLEAR ENERGY 2, 183 (1958) G.VON DARDEL, N.G.SJOSTRAND (SWEDEN) SEE ESPECIALLY PAGES 215 AND 216. MEASURED NEUTRON LIFETIME	5-B -NAT	2.53-08 2.53-08	1 ABSORP	
REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

*** 3-388 ***

REF.NO.=2807

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2807

REF BIBLIOGRAPHY	TARGET	EN.	RANGE (MEV)	PTS	DESCRIPTION
2807 IN BORIC ACID. SUPERCEDES EARLIER WORK REPORTED IN PHYS. REV. 90, 1566 (1954)					
2808 J. NUCLEAR ENERGY, PARTS A/B, 17, 347 (1962) M.SAGOT, H.TELLIER (SACLAY) PULSE SOURCE TECHNIQUE	6-C	-NAT	2.53-08 2.53-08	1	ABSORP
2809 NUCLEAR SCIENCE AND ENGINEERING 7, 397 (1960) P.F.NICHOLS (HANFORD) RELATIVE TO CU CROSS SECTIONS = 3.77 BARNS AND AU CROSS SECTIONS = 98.7 BARNS	6-C	-NAT	2.53-08 2.53-08	7	ABSORP
2810 A/CONF. 12, 695 (1958) J.M.HENDRIE, J.P.PHELPS, G.A.PRICE, E.V.WEINSTOCK (BNL) PAPER P1601. EXPONENTIAL MEASUREMENT OF DIFFUSION LENGTH NUCLEAR SCIENCE AND ENGINEERING 18, 410 (1964)	6-C	-NAT	2.53-08 2.53-08	1	ABSORP
2811 PRIVATE COMMUNICATION (1958) K.WIRTZ (GERMANY) NEUTRON LIFETIME MEASUREMENT AND EXPONENTIAL MEASUREMENT OF DIFFUSION LENGTH. VALUE HERE HAS BEEN CORRECTED BY 0.7 BARNS FOR NITROGEN AND IMPURITIES, AS PER AUTHORS SUGGESTION	6-C	-NAT	2.53-08 2.53-08	1	ABSORP
2812 HASH-1044 PAGE 40 (1963) H.T.MOTZ, E.T.JURNEY (LASL) MEASURED INTENSITY OF 8.2 MEV GAMMA. RELATIVE TO H(N,GAMMA) CROSS SECTIONS = 0.332 BARNS	6-C	-13	2.53-08 2.53-08	1	N,G
2813 ANN. REV. NUCLEAR SCI. 11, 259 (1961) G.A.BARTHOLOMEW (CHALK R.) NOTE.. ESPECIALLY PAGE 272 OF ARTICLE. CAPTURE GAMMA RAY INTENSITY MEASUREMENT	6-C	-13	2.53-08 2.53-08	1	N,G
2814 PR-P-36 (ACCL 5671) PAGE 37 (1957) G.A.BARTHOLOMEW, J.W.KNOWLES, G.A.MANNING, P.J.CAMPION (CHALK R.) CAPTURE GAMMA INTENSITY MEASUREMENT	6-C	-13	2.53-08 2.53-08	1	N,G
2815 PHYS. REV. 95, 92 (1954) G.R.HENNIG (ANL) RELATIVE TO N-14(N,P) CROSS SECTIONS = 1.70 BARNS. CORRECTED BY 0.5 MILLIBARNS FOR N-14 IN SAMPLE	6-C	-13	2.53-08 2.53-08	1	N,G
2816 PHYS. REV. 87, 462 (1952) S.W.PETERSON, H.A.LEVY (ORNL) DIFFRACTION MEASUREMENTS	7-N	-NAT	2.53-08 2.53-08	1	COHERT
2817 PHYS. REV. 84, 969 (1951) A.W.MC REYNOLDS (BNL) MIRROR REFLECTION. RELATIVE TO COHERENT CROSS SECTIONS FOR OXYGEN OF 4.2 BARNS	7-N	-NAT	2.53-08 2.53-08	2	COHERT
2818 PHYS. REV. 83, 88 (1951) G.H.GOLDSCHMIDT, D.G.HURST (CHALK R.) NEUTRON DIFFRACTION METHOD	7-N -NAT 40-ZR-NAT		2.53-08 2.53-08 2.53-08 2.53-08	1 1	COHERT COHERT
2819 CAN. J. PHYS. 35, 1784 (1951) G.C.HANNA, D.B.PRIMEAU, P.R.TUNNICLIFFE (CHALK R.)	7-N -14 8-O -17		2.53-08 2.53-08 2.53-08 2.53-08	1 1	N,P N,A
REF BIBLIOGRAPHY	TARGET		EN. RANGE (MEV)	PTS	DESCRIPTION

*** 3-389 ***

REF.NO.=2819

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2819

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2819	PULSE IONIZATION CHAMBER TECHNIQUE. RELATIVE TO AU-197(N, GAMMA) CROSS SECTIONS OF 98.8 BARNS	18-AR-36	2.53-08 2.53-08	1	N,A
2820	J. PHYS. RADIUM, SUPPLEMENT 12, 65 (1951) P.CUER, J.-P.LONCHAMP, S.GORODETSKY (STRASBOURG) COUNTED PROTONS. RELATIVE TO B ABSORPTION CROSS SECTIONS OF 759 BARNS	7-N -14	2.93-08 2.53-08	1	N,P
2821	AERE-N/R 370 (10/60) R.BACHELOR, B.H.FLOWERS (AFRE) IONIZATION CHAMBER. RELATIVE TO B CROSS SECTIONS = 759 BARNS	7-N -14	2.50-08 2.50-08	1	N,P SPECT.AV.
2822	PRIVATE COMMUNICATION (1956) E.J.SEPPI (HANFORD) COUNTED 1.37 MEV ALPHAS. RELATIVE TO B-10(N,ALPHA) = 3839 B.	8-O -17	2.5-08 2.53-08	1	N,A
2823	PHYS. REV. 129, 1281 (1963) S.S.GLICKSTEIN, R.O.WINTER (PENN.STATE U.) COUNTED 1.63 MEV DECAY GAMMA. RELATIVE TO AL27(N,GAMMA) CROSS SECTIONS = 0.235 BARNS	9-F -19	2.53-08 2.53-08	1	N,G
2824	J. EXPTL. THEORET. PHYS. (USSR) 41, 1023 (1961) A.I.ABRAMOV, M.G.YUTKIN (USSR) IONIZATION CHAMBER. RELATIVE TO HE3(N,P) CROSS SECTIONS = 5400 BARNS	10-NE-21	2.53-08 2.53-08	1	N,A
2825	J. NUCLEAR ENERGY 3, 70 (1956) S.J.COCKING, J.F.RAFFLE (AERE) ACTIVATION ANALYSIS. RELATIVE TO AU-197 CROSS SECTIONS = 98.8 BARNS	11-NA-23	2.53-08 2.53-08	1	N,G
2826	A/CONF. 2, 81 (1955) S.YA.NIKITIN, W.T.SMOLYANKIN, W.Z.KOLGANOV, A.W.LEREDEW, G.S.LOMKAZY (USSR) PAPER P/643. TRANSMISSION OF BE FILTERED NEUTRONS. CROSS SECTIONS HERE IS CALCULATED FROM SCATTERING AMPLITUDES	1-H -1 1-H -2	2.53-08 2.53-08 2.53-08 2.53-08	1	COHERT COHERT
2827	A/CONF. 2, 39 (1955) L.V.GROSHEV, B.P.ADYASEVICH, A.H.DEMIDOV (USSR) PAPER P/651. 0.47 MEV GAMMA FOUND TO OCCUR IN 74 PERCENT OF NEUTRON CAPTURES. IDENTIFICATION WITH NA24M BY ALEXANDER AND BRINCKMANN ANN. PHYSIK 12, 225 (1963) RELATIVE TO NA CROSS SECTIONS = 0.53 BARNS	11-NA-23	2.90-08 2.50-08	1	N,G SPECT.AV.
2828	ANL-5031 PAGE 68 (1953) S.P.HARRIS, D.C.ROSE, H.P.SCHROEDER (ANL) PILE OSCILLATOR METHOD. RELATIVE TO B CROSS SECTIONS = 729 B.	11-NA-23	2.90-08 2.50-08	1	ABSORP SPECT.AV.
2829	PHYSICA 29, 1195 (1963) U.FARINELLI, M.MARTINI (ITALY) SOURCE DEPLETION METHOD	11-NA-22	2.50-08 2.50-08	1	ABSORP SPECT.AV.
2830	ACTA CRYST. 16, 834 (1963) T.M.SABINE, J.D.BROWNE (AUSTRALIA) NEUTRON DIFFRACTION	12-MG-NAT	2.53-08 2.53-08	1	COHERT
2831	ACTA CRYST. 5, 684 (1952) G.E.BACON (AERE)	12-MG-NAT	2.53-08 2.53-08	1	COHERT
REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

*** 3-390 ***

REF.NO.=2831

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2831

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2831 NEUTRON DIFFRACTION				
2832 CU-97 PAGE 11 (1951) C.J.HEINDL, I.W.RUDERMAN (COLUMBIA U.) NEUTRON MIRROR EXPERIMENT	12-MG-NAT	2.53-08 2.53-08	1	COHERT
2833 AERE-N/R-1165 (1957) P.A.EGELSTAFF (AERE) COLD NEUTRON INELASTIC SCATTERING ANISOTROPY MEASUREMENT	12-MG-NAT	2.53-08 2.53-08	1	INCOHER
2834 PROC. ROY. SOC. (LONDON) 212, 192 (1952) G.L.SQUIRES (ENGLAND) TRANSMISSION MEASUREMENT WITH COLD NEUTRONS. RELATIVE TO FREE ATOM CROSS SECTIONS = 3.4 BARNS	12-MG-NAT	2.53-08 2.53-08	1	INCOHER
2835 PRIVATE COMMUNICATION (1963) R.B.TATTERSALL (AERE) PILE OSCILLATOR	13-AL-27	2.50-08 2.50-08	1	ABSORP SPECT.AV.
2836 ACTA PHYSICA ACAD. SCI. HUNGARICAE 25, 91 (1968) G.PETO, P.BORNEHISZA-PAUSPERTL, J.KAROLYI (HUNGARY) ACTIVATION METHOD. RELATIVE TO PR-141(N,2N) CROSS SECTIONS = 2.050 BARNS AND Y89(N,2N) CROSS SECTIONS = 1.010 BARNS	39-Y -89 79-AU-197 80-HO-204 81-TL-203 82-PB-204	1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01	1 1 1 1 1	N,N' N,N' N,2N N,2N N,2N
2837 BULL. AM. PHYS. SOC. 14, 495 (1969) N.RANAKUMAR, W.-D.LU, R.W.FINK (GEORGIA INST.TECH.) ACTIVATION ANALYSIS. SEE REFERENCE FOR MONITOR CROSS SECTIONS	42-MO-100 50-SN-112 51-SB-123 58-CE-136 58-CE-140 58-CE-142	1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01	1 1 1 1 1 1	N,2N N,2N N,2N N,2N N,2N N,2N
2838 NUCLEAR PHYS. 108, 535 (1968) M.ASOHAR, C.M.CHAFFEY, M.C.MOXON (AERE) SCATTERING AND CAPTURE MEASUREMENTS. AREA ANALYSIS. BEST RESOLUTION OF 6 NSEC/M.	67-HO-165	8.14-06 2.61-04	82	RES.PARAM.
2839 IAN-E-1 (1964) L.P.CARRILLO, L.C.V.NINO (COLOMBIA) ACTIVATION ANALYSIS. MEASURED RATIO OF METASTABLE/GROUND CROSS SECTION = 3.93. RELATIVE TO OS-190(N,GAMMA) 15 DAY CROSS SECTION = 6 +/-3 BARNS	76-OS-190	2.50-08 2.50-08	1	N,G SPECT.AV.
2840 NASA-TN-D-4938 (1968) C.R.PIERCE, D.F.SHOOK, D.BOGART (LEWIS RES.CTR.) REACTIVITY AND ACTIVATION METHODS. RELATIVE TO AU-197 R1 = 1575 BARNS. AU-197 CROSS SECTIONS = 98.7 BARNS AND KNOWN RE CROSS SECTIONS	75-RE-NAT 75-RE-185 75-RE-187	5.00-07 1.50+01 5.00-07 1.50+01 5.00-07 1.50+01	1 1 1	ABSORP RES.INT. ABSORP RES.INT. ABSORP RES.INT.
2841 BULL. AM. PHYS. SOC. 13, 1699 (1968) L.A.OMS, J.M.PALMS, P.VENUGOPALA RAO, R.E.WOOD, R.W.FINK (GEORGIA INST.TECH.) ACTIVATION ANALYSIS. RELATIVE TO FES6(N,P) CROSS SECTIONS = 0.100 BARNS	66-DY-156 66-DY-156 66-DY-162 66-DY-163 66-DY-164	1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01	1 1 1 1 1	N,2N N,2N N,P N,P N,A
2842 NUCLEAR PHYS. 120, 337 (1968) E.KONDAIAH, N.RANAKUMAR,	36-KR-78	1.44+01 1.44+01	1	N,2N
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

*** 3-38! ***

REF.NO.=2842

07/04/76

ECSIL-7500 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2842

REF BIBLIOGRAPHY

2842 R.W.FINK (GEORGIA INST.TECH.)

ACTIVATION ANALYSIS. SEE REFERENCE FOR MONITOR CROSS SECTION
BULL. AM. PHYS. SOC. 13, 602 (1968)

TARGET EN. RANGE (MEV) PTS DESCRIPTION

36-KF-50	1.44+01	1.44+01	1 N,2N
36-KR-80	1.44+01	1.44+01	1 N,2N
36-KR-80	1.44+01	1.44+01	1 N,P
36-KR-82	1.44+01	1.44+01	1 N,2N
36-KR-82	1.44+01	1.44+01	1 N,P
36-KR-84	1.44+01	1.44+01	1 N,P
36-KR-86	1.44+01	1.44+01	1 N,2N
36-KR-86	1.44+01	1.44+01	1 N,A
54-XE-124	1.44+01	1.44+01	1 N,2N
54-XE-126	1.44+01	1.44+01	1 N,2N
54-XE-126	1.44+01	1.44+01	1 N,2N
54-XE-128	1.44+01	1.44+01	1 N,2N
54-XE-128	1.44+01	1.44+01	1 N,2N
54-XE-130	1.44+01	1.44+01	1 N,2N
54-XE-130	1.44+01	1.44+01	1 N,P
54-XE-131	1.44+01	1.44+01	1 N,P
54-XE-132	1.44+01	1.44+01	1 N,2N
54-XE-132	1.44+01	1.44+01	1 N,P
54-XE-134	1.44+01	1.44+01	1 N,2N
54-XE-134	1.44+01	1.44+01	1 N,2N
54-XE-134	1.44+01	1.44+01	1 N,P
54-XE-136	1.44+01	1.44+01	1 N,2N
54-XE-136	1.44+01	1.44+01	1 N,2N

2843 NUCLEAR PHYS. 120, 329 (1968) E.KONDAIAH, N.RANAKUMAR,
R.W.FINK (GEORGIA INST.TECH.)
ACTIVATION ANALYSIS. RELATIVE TO MN55(N,GAMMA) CROSS SECTIONS
OF 13.3 BARNS AS PRIMARY STANDARD

36-KR-78	2.50-08	2.50-08	1 N,G	SPECT.AV.
36-KR-78	2.50-08	2.50-08	1 N,G	SPECT.AV.
36-KR-80	2.50-08	2.50-08	1 N,G	SPECT.AV.
36-KR-82	2.50-08	2.50-08	1 N,G	SPECT.AV.
36-KR-84	2.50-08	2.50-08	1 N,G	SPECT.AV.
54-XE-124	2.50-08	2.50-08	1 N,G	SPECT.AV.
54-XE-124	2.50-08	2.50-08	2 N,G	SPECT.AV.
54-XE-126	2.50-08	2.50-08	1 N,G	SPECT.AV.
54-XE-126	2.50-08	2.50-08	1 N,G	SPECT.AV.
54-XE-128	2.50-08	2.50-08	1 N,G	SPECT.AV.
54-XE-130	2.50-08	2.50-08	2 N,G	SPECT.AV.
54-XE-132	2.50-08	2.50-08	3 N,G	SPECT.AV.
54-XE-134	2.50-08	2.50-08	1 N,G	SPECT.AV.
54-XE-134	2.50-08	2.50-08	2 N,G	SPECT.AV.
54-XE-136	2.50-08	2.50-08	1 N,G	SPECT.AV.

2844 PHYS. REV. 83, 1097 (1951) P.M.SHERK, R.O.HILL (ILLINOIS)
COUNTED DECAY BETAS

75-AU-198 2.53-08 2.53-08 1 N,G

2845 PHYS. REV. 121, 610 (1961) M.ATOJI (IOWA STATE U.)
NEUTRON DIFFRACTION AND TRANSMISSION MEASUREMENTS RELATIVE TO
NI COHERENT CROSS SECTIONS = 13.2 BARNS FOR COHERENT CROSS
SECTION DATA

70-YB-NAT	7.35-08	7.35-08	1 TOTAL
70-YB-NAT	2.53-08	2.53-08	1 SCATTER
70-YB-NAT	2.53-08	2.53-08	1 COHERENT
71-LU-NAT	2.53-08	2.53-08	1 SCATTER
71-LU-NAT	2.53-08	2.53-08	1 COHERENT

2846 PHYS. REV. 76, 333 (1949) R.O.HILL (ILLINOIS)
MEASURED INTERNAL CONVERSION SPECTRA

52-TE-124 2.50-08 2.50-08 1 N,G SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-392 ***

REF.NO.=2846

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2847

REF BIBLIOGRAPHY

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2847 BULL. AM. PHYS. SOC. 13, 1421 (1968) A.K.HANKLA, J.H.HAMILTON, R.W.FINK (GEORGIA INST.TECH.) ACTIVATION TECHNIQUE, RELATIVE TO $^{56}\text{Fe}(\text{n},\text{p})$ CROSS SECTIONS = 0.100 BARNS AND $\text{Al}^{27}(\text{n},\text{ALPHA})$ CROSS SECTIONS = 0.114 BARNS	79-AU-197 80-HG-196 80-HG-198 80-HG-199 80-HG-200	1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01	1 N,2N 1 N,2N 1 N,2N 1 N,N' 1 N,2N	
2848 PRIVATE COMMUNICATION (1969) A.B.SMITH (ANL) TIME OF FLIGHT TECHNIQUE, NATURAL U SAMPLE	92-U -238	6.06-01 1.40+00	5 TOTAL	
2849 PRIVATE COMMUNICATION (1969) J.F.WHALEN (ANL) TIME OF FLIGHT TECHNIQUE, NATURAL U SAMPLE	92-U -238	1.02-01 1.49+00	523 TOTAL	
2850 NUCLEAR SCIENCE AND ENGINEERING 36, 275 (1969) J.C.HOPKINS, D.M.DRAKE (LASL) CORRECTED FOR MULTIPLE SCATTERING AND ATTENUATION, RELATIVE TO HYDROGEN	32-GE-NAT 32-GE-NAT 32-GE-NAT 41-NB-93	7.55+00 7.55+00 7.55+00 7.55+00 7.55+00 7.55+00 5.95+00 7.47+00	1 ELASTIC 1 N,N' 11 ELASTIC (DIA) 12 ELASTIC (DIA)	
2851 CAN. J. CHEM. 36, 731 (1958) J.C.ROY, P.J.BERRY, L.P.ROY (CHALK R.) RELATIVE TO R887 CROSS SECTIONS = 0.12 BARNS	37-RB-88 36-SR-88	2.50-08 2.50-08 2.50-08 2.50-08	1 N,0 1 N,0	SPECT.AV. SPECT.AV.
2852 NUCLEAR SCIENCE AND ENGINEERING 19, 464 (1964) M.A.GREENFIELD, R.L.KOONTZ (ATOMICS INT.) MEASURED CROSS SECTIONS RATIO 14 SEC/54 MIN = 0.26, RELATIVE TO IN-116(54 MIN.) = 157 BARNS	49-IN-115	2.50-08 2.50-08	1 N,0	SPECT.AV.
2853 BULL. AM. PHYS. SOC. 13, 1422 (1968) W.-D.LU, R.W.FINK (GEORGIA INST.TECH.) MIXED POWDER METHOD, RELATIVE TO $^{56}\text{Fe}(\text{n},\text{p})$ CROSS SECTIONS = 100 MILLIBARNS, THERE IS ALSO PVT.COMM.(1968) W.-D.LU	46-PD-102 46-PD-105 46-PD-106 46-PD-108 46-PD-108 46-PD-110 46-PD-110 48-CD-106 48-CD-106 48-CD-108 48-CD-110 48-CD-111 48-CD-112 48-CD-112 48-CD-116	1.44+01 1.44+01	1 N,2N 1 N,P 1 N,A 1 N,2N 1 N,A 1 N,2N 1 N,2N 2 N,2N 1 N,N' 1 N,2N 1 N,2N 1 N,N' 1 N,2N 1 N,P 2 N,2N	
2854 NUCLEAR PHYS. 138, 556 (1969) T.J.KING, R.C.BLOCK (RP1) SCATTERING AND TRANSMISSION MEASUREMENTS, AREA ANALYSIS CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., 2,735 (1968) BULL. AM. PHYS. SOC. 13, 1421 (1968) RP1-328-160 PAGE 16 (1969)	45-RH-103 48-CD-NAT 48-CD-111 48-CD-113 48-CD-114 94-PU-239	1.54-04 5.55-04 3.10-04 1.40-03 1.63-04 1.63-04 1.93-04 2.32-04 1.20-04 1.20-04 4.17-05 1.17-04	21 RES.PARAM. 10 RES.PARAM. 3 RES.PARAM. 9 RES.PARAM. 3 RES.PARAM. 24 RES.PARAM.	
2855 CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., 2,857 (1968) W.M.LOPEZ, F.H.FROHNER, S.J.FRISENAHN, A.D.CARLSON (GGA) CAPTURE, SELF-INDICATION AND TRANSMISSION MEASUREMENTS, AREA	40-ZR-NAT 40-ZR-91	2.53-08 2.53-08 1.59-04 3.89-03	1 N,0 26 RES.PARAM.	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-393 ***

REF.NO.=2855

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 2855

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2855 ANALYSIS. 2891 RESONANCES AT 682, 984, 1195, 1221 AND 1395 EV ARE SPURIOUS AND HAVE BEEN WITHDRAWN (SEE PVT. COMM. (1969) S.J. FRIESENHAHN, CITED IN REF. 3092). BEST RESOLUTION OF 31 SEC/M.				
2856 NUOVO CIMENTO 58, 402 (1958) S.S. HASAN, A.K. CHAUBEY, M.L. SEHGAL (ALIGARH) RELATIVE TO 1-127(N,GAMMA) CROSS SECTIONS = 0.820 BARNS	11-NA-23 13-AL-27 17-CL-37 23-CU-63 33-AS-75 37-RB-87 39-Y-89 42-MO-98 50-SN-120 50-SN-122 50-SN-124 51-SB-121 51-SB-123 60-ND-148 60-ND-150 68-ER-170 81-TL-205	2.40-02 2.40-02	1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 3 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G	
2857 NUCLEAR PHYS. 1, 420 (1958) M. ASDENTE, A. BISI, E. DERMAIGNOLI, L. ZAPPA (ITALY) ACTIVATION TECHNIQUE. RELATIVE TO 5888(N,GAMMA) CROSS SECTION = 5 MILLIBARNS	38-SR-84	2.50-08 2.50-08	1 N,G	SPECT. AV.
2858 PRIVATE COMMUNICATION (1956) H.S. LYON, S.A. REYNOLDS (ORNL) ACTIVATION TECHNIQUE	39-Y-89	2.50-08 2.50-08	1 N,G	SPECT. AV.
2859 PHYS. REV. 123, 903 (1961) R.L. FEATH, J.E. CLINE, C.W. REICH, E.C. YATES, E.H. TURK (PHILLIPS PET.) MEASURED GAMMA RAYS FROM THE ISOMERIC STATE IN Y90. RELATIVE TO AU-197	39-Y-89	2.50-08 2.50-08	1 N,G	SPECT. AV.
2860 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 2,803 (1968) J.P. BUTLER, D.C. SANTRY (CHALK R.) ACTIVATION METHOD. RELATIVE TO 532(N,P) CROSS SECTIONS ABOVE 5 MEV	45-RH-103	1.75-01 1.47*01	61 N,N'	
2861 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 1,967 (1968) R.R. FULLWOOD, J.H. MC NALLY, E.R. SHUNK (LASL) BOMB SOURCE. RELATIVE TO 11-6(N,ALPHA) CROSS SECTIONS BELOW 10 KEV AND U235(N,F) CROSS SECTIONS ABOVE 10 KEV	96-CM-244	2.30-05 1.40-03	43 N,F,ISS	
2862 NUCLEAR PHYS. 128, 209 (1969) D.M. DRAKE, J.C. HOPKINS, C.S. YOUNG, H. CONDE, A.R. SARTLER (ORNL) NEUTRON CROSS SECTIONS RELATIVE TO HYDROGEN, NaI(TL) GAMMA RAY SPECTROMETER	14-SI-NAT 14-SI-NAT 14-SI-NAT 14-SI-NAT 14-SI-NAT 14-SI-NAT	4.00+00 7.50+00 4.00+00 7.50+00 4.00+00 7.50+00 4.00+00 7.50+00 4.00+00 7.50+00 4.00+00 7.67+00	4 ELASTIC 12 N,N' 18 N,XO 24 ELASTIC D(A) 66 N,N' D(A) 73 N,XO D(A)	
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

*** 3-394 ***

REF. NO. = 2862

07/04/76		ECS(L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)		REF.NO.=2863	
REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2863	J. PHYS. RADIUM 12, 584 (1951) P.BENOIST, L.KOWARSKI, F.NETTER (FRANCE) PILE OSCILLATOR. RELATIVE TO B CROSS SECTIONS = 1759 BARNS	13-AL-27	2.50-08 2.50-08	1	ABSORP SPECT.AV.
2864	BULL. AM. PHYS. SOC. 15, 568 (1970) H.T.HEATON,II, R.B.SCHWARTZ, R.A.SCHRACK (NBS) TIME OF FLIGHT TECHNIQUE. LIQUID SAMPLE OF THICKNESS 0.9684 ATOMS/B	7-N -NAT	4.70-01 2.50+01	3547	TOTAL
2866	PHYS. REV. 84, 775 (1951) C.H.JOHNSON, B.PETREE, R.K.ADAIR (U.WISCONSIN) DATA READ FROM GRAPHS BY G. FOSTER, LASL, 1969	7-N -NAT	1.50-01 1.45+00	112	TOTAL
2867	PRIVATE COMMUNICATION (1956) E.J.SEPP (HANFORD) IONIZATION CHAMBER	16-S -32 16-S -33	2.50-08 2.50-08 2.50-08 2.50-08	1 1	N,A SPECT.AV. N,P SPECT.AV.
2868	PHYS. REV. 88, 573 (1952) T.WESTERMARK (SWEDEN) COUNTED DECAY BETAS	16-S -33	2.50-08 2.50-08	1	N,P SPECT.AV.
2869	BNL-489 PAGE 21 (1957) C.O.MUEHLHAUSE (ANL) PROC. FRENCH-AMERICAN CONF. ON GRAPHITE REACTORS (1957) PILE OSCILLATOR. RELATIVE TO B CROSS SECTIONS OF 759 BARNS. THERE IS ALSO PVT.COMM. FROM AUTHOR IN 1958	6-C -NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
2870	BNL-489 PAGE 19 (1957) O.R.HENNIG (ANL) PROC. FRENCH-AMERICAN CONF. ON GRAPHITE REACTORS (1957) MASS SPECTROMETER ANL-4410 (1950)	6-C -12	2.50-08 2.50-08	1	N,O SPECT.AV.
2871	BNL-489 PAGE 97 (1957) J.C.KOECHLIN, P.TANGUY, C.P.ZALESKI (FRANCE) PROC. FRENCH-AMERICAN CONF. ON GRAPHITE REACTORS (1957) PILE OSCILLATOR	6-C -NAT	2.50-08 2.50-08	1	ABSORP SPECT.AV.
2872	HELV. PHYS. ACTA 27, 159 (1954) H.BERTHET, J.ROSSEL (NEUCHATEL) NUCLEAR EMULSIONS. COUNTED PROTONS. RELATIVE TO N-14(N,P) CROSS SECTIONS = 1.82 BARNS	17-CL-35	2.50-08 2.50-08	1	N,P SPECT.AV.
2873	Z. NATURFORSCHG. 4, 150 (1949) W.MAUERER COUNTED BETAS. RELATIVE TO MN55 = 13.3 BARNS	17-CL-35	2.53-08 2.53-08	1	N,P
2874	HELV. PHYS. ACTA 17, 97 (1944) A.GILBERT, F.ROGGEN, J.ROSSEL (SWITZERLAND) ION CHAMBER. COUNTED PROTONS. RELATIVE TO N-14(N,P) CROSS SECTIONS = 1.82 BARNS	17-CL-35	2.53-08 2.53-08	1	N,P
2875	CAN. J. PHYS. 33, 35 (1955) A.W.BOYD, F.BROWN, M.LOUNSBURY (CAN. P.) MASS SPECTROMETER. RELATIVE TO CL35 CROSS SECTIONS = 44 BARNS	17-CL-38	2.50-08 2.50-08	1	N,O SPECT.AV.
2876	PHYS. REV. 95, 613 (1954) G.SCHARFF-GOLDHABER, H.MC KEOWN	17-CL-37	2.50-08 2.50-08	1	N,O SPECT.AV.
REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

*** 3-395 ***

REF.NO.=2876

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2876

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2876 (BNL)

COUNTED DECAY GAMMAS

2877 ANL-6797 PAGE 393 (1963) M.H.MUELLER, S.S.SIDHU, L.HEATON,
R.L.HITTERMAN, H.W.KNOTT (ANL)
DIFFRACTION TECHNIQUE

12-MG-NAT 2.53-08 2.53-08 1 COHERT
19-K -NAT 2.53-08 2.53-08 1 COHERT
19-K -39 2.53-08 2.53-08 1 COHERT
37-RB-NAT 2.53-08 2.53-08 1 COHERT
37 RB-85 2.53-08 2.53-08 1 COHERT
40-ZH-NAT 2.53-08 2.53-08 1 COHERT
43-TC-99 2.53-08 2.53-08 1 COHERT
76-OS-NAT 2.53-08 2.53-08 1 COHERT
76-OS-188 2.53-08 2.53-08 1 COHERT
76-OS-189 2.53-08 2.53-08 1 COHERT
76-OS-190 2.53-08 2.53-08 1 COHERT
76-OS-192 2.53-08 2.53-08 1 COHERT
77-IR-NAT 2.53-08 2.53-08 1 COHERT

2878 BNL-719 (C-32) VOL. 3, PAGE 1034 (1962) E.STARR, G.A.PRICE
(BNL)
NEUTRON LIFETIME AND EXPONENTIAL DIFFUSION LENGTH MEASURE-
MENTS.
TRANS. AM. NUCLEAR SOC. 5, 43 (1962)

6-C -NAT 2.50-08 2.50-08 1 ABSORP SPECT.AV.

2879 PHYS. REV. C, 1, 1226 (1970) L.N.ROTHENBERG (U.WISCONSIN)
MEASURED PROTON RECOIL SPECTRA. RELATIVE TO TOTAL CROSS
SECTIONS = 397.2 MILLIBARNS
BULL. AM. PHYS. SOC. 14, 511 (1969) L.N.ROTHENBERG,
T.G.MASTERSON (U.WISCONSIN)

1-H -1 2.40+01 2.40+01 4 ELASTIC DIA

2880 FEW BODY PROBLEMS LIGHT NUCL/NUCL.INTERACT.BRELA.P.867(1967)
1.8ASAR (ZAGREB)

1-H -1 1.44+01 1.44+01 11 ELASTIC DIA
1-H -2 1.44+01 1.44+01 11 ELASTIC DIA
1-H -3 1.44+01 1.44+01 22 ELASTIC DIA

2881 JINR-E3-3029 (1966) J.KVITEK, YU.P.POPOV
TIME OF FLIGHT TECHNIQUE. AREA ANALYSIS. BEST RESOLUTION OF
30 NSEC/M.

60-ND-143 5.55-05 4.10-04 10 RES.PARAM.

2882 J. NUCLEAR ENERGY 23, 113 (1969) M.HUSSAIN, R.CHAUDHURI,
M.ENAYETULLAH, E.ISLAM (E.PAKISTAN)
TRANSMISSION MEASUREMENT
LOW ENERGY DATA ARE FROM M.HUSSAIN (PRIVATE COMMUNICATION.
1968)

04 GC NAT 3.00+00 1.00+01 45 TOTAL

2883 NUCLEAR PHYS. 124, 111 (1969) J.G.MALAN, W.R.MC MURRAY,
P.VAN DER MERWE, L.J.VAN HEERDEN, C.A.ENGELBRECHT (S.AFRICA)
TIME OF FLIGHT TECHNIQUE

57 LA 139 2.32-01 1.57+00 8 ELASTIC
57-LA-139 2.32-01 1.57+00 66 ELASTIC DIA
57-LA-139 3.55-01 2.12+00 87 N.N. DIA
59 PR-141 2.32-01 1.57+00 8 ELASTIC
59 PR-141 2.32-01 1.57+00 65 ELASTIC DIA
59 PR-141 2.60-01 2.22+00 121 N.N. DIA

2884 CONF. (4) NEUTRON C/S TECHNOLOGY. WASH.D.C., 2.687 (1968)
G.J.KIROUAC, R.H.EILAND, R.E.SLOVACEK, C.A.CONRAD.

61-PH-147 -1.20-06 1.92-04 45 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-395 ***

REF.NO.=2884

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2884

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

- 2884 K.W.SEEMANN (KARL)
TRANSMISSION MEASUREMENT. SHAPE AND AREA ANALYSIS. ASSUMED
GAMMA-GAMMA = 0.073 EV WHEN NOT KNOWN. RESOLUTION VARIED FROM
100 NSEC/M AT 1.5 EV TO 50 NSEC/M AT 200 EV.
- 2885 JINR-P3-3097 (1967) E.N.KARTCHAVENA, A.B.POPOV,
YU.S.YAZVETSKI
TRANSMISSION AND CAPTURE MEASUREMENTS. GAMMA-GAMMA = 0.13 EV
WHEN NOT KNOWN. NATURAL ELEMENT AND ENRICHED ISOTOPES.
RESOLUTION (FOR GR 167) VARIED FROM 0.1 EV AT 50 EV UP TO
1.4 EV AT 300 EV.
YAD. FIZ. 7, 225 (1968)
- 2886 TRANS. AM. NUCLEAR SOC. 6, 41 (1963) G.E.STOKES, J.R.BERRETH,
R.P.SCHUMAN, O.O.SIMPSON, T.E.YOUNG (PHILLIPS)
MTR FAST CHOPPER. SAMPLE THICKNESS IS 5063 BARNS ATOM
- 2887 NUCLEAR PHYS. 123, 603 (1969) J.S.BRZOSKO, E.GIERLIK,
A.SOLTAN, JR., Z.WILHELM (POLAND)
ACTIVATION METHOD. SEE REFERENCE FOR NORMALIZATIONS OVER
SPECIFIC ENERGY RANGES
ACTA PHYSICA POLONICA 35, 413 (1968) J.S.BRZOSKO, E.GIERLIK,
M.NAPIORKOWSKA, A.SOLTAN, JR., Z.WILHELM
ACTA PHYSICA POLONICA 35, 417 (1969) J.S.BRZOSKO, E.GIERLIK,
A.SAGANEK, A.SOLTAN, JR., Z.WILHELM
- 2888 EANDC(E)-76U PAGE 51 (1967) M.BORMANN, C.ABELS, W.CARSTENS,
L.RIEHLE (GERMANY)
ACTIVATION METHOD
- 2889 NUCLEAR PHYSICS SYMPOSIUM, BOMBAY, PAGE 60 (1966) P.N.TIWARI,
E.KONDAIAH (INDIA)
ACTIVATION TECHNIQUE. RELATIVE TO AL²⁷(N,ALPHA) CROSS
SECTIONS = 115 MILLIBARNS
NUCLEAR INSTRUMENTS AND METHODS 42, 118 (1966)
- 2890 ARKIV FYSIK 38, 403 (1968) B.HOLMQUIST (SWEDEN)
TIME OF FLIGHT TECHNIQUE. CORRECTED FOR MULTIPLE SCATTERING,
ETC. RELATIVE TO H AND C
AE-366 (1969) B.HOLMQUIST, T.WIEDLING

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-397 ***

REF.NO.=2890

REF BIBLIOGRAPHY

- 2890 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 2.845 (1968)
 AE-303 (1967)
 AE-270 (1967)
 ARKIV FYSIK 33, 297 (1967) B.ANTOLKOVIC, B.HOLMQVIST,
 T.WIEDLING
 NUCLEAR PHYS. 150, 105 (1970) B.HOLMQVIST, T.WIEDLING,
 V.BENI, L. ZUFFI
 ARKIV FYSIK 34, 481 (1966) B.HOLMQVIST, B.GUSTAVSSON,
 T.WIEDLING
 IAEA CONF. ON NUCLEAR DATA. PARIS, PAPER C-33/85 (1966)
 NUCLEAR DATA FOR REACTORS. HELSINKI, 2, 327 (1970)
 NUCLEAR DATA FOR REACTORS. HELSINKI, 2, 341 (1970)
 T(P,N) SOURCE BELOW EN = 4.6 MEV, D(D,N) SOURCE ABOVE EN =
 4.6 MEV. NE102A DETECTOR
 AE-337 (1968)
 AE-375 (1969)
 AE-385 (1970)
 NUCLEAR PHYS. 146, 321 (1970) B.HOLMQVIST, S.G.JOHANSSON,
 G.LODIN, T.WIEDLING

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
20-CA-NAT	6.09+00 8.05+00	3	ELASTIC
20-CA-NAT	6.09+00 8.05+00	58	ELASTIC D(A)
23-V-NAT	2.47+00 8.05+00	9	ELASTIC
23-V-NAT	2.47+00 8.05+00	166	ELASTIC D(A)
24-CR-NAT	2.47+00 8.05+00	9	ELASTIC
24-CR-NAT	1.77+00 2.76+00	4	ELASTIC
24-CR-NAT	2.47+00 8.05+00	166	ELASTIC D(A)
24-CR-NAT	1.77+00 2.76+00	72	ELASTIC D(A)
25-MN-55	2.47+00 8.05+00	8	ELASTIC
25-MN-55	2.47+00 8.05+00	156	ELASTIC D(A)
26-FE-NAT	3.00+00 8.05+00	5	ELASTIC
26-FE-NAT	1.77+00 2.76+00	5	ELASTIC
26-FE-NAT	3.00+00 8.05+00	93	ELASTIC D(A)
26-FE-NAT	1.77+00 2.76+00	92	ELASTIC D(A)
27-CO-59	1.46+00 8.05+00	10	ELASTIC
27-CO-59	1.46+00 8.05+00	147	ELASTIC D(A)
28-NI-NAT	3.00+00 8.05+00	7	ELASTIC
28-NI-NAT	1.77+00 2.76+00	5	ELASTIC
28-NI-NAT	3.00+00 8.05+00	112	ELASTIC D(A)
28-NI-NAT	1.77+00 2.76+00	90	ELASTIC D(A)
29-CU-NAT	1.46+00 8.05+00	10	ELASTIC
29-CU-NAT	1.46+00 8.05+00	149	ELASTIC D(A)
30-ZN-NAT	2.47+00 8.05+00	8	ELASTIC
30-ZN-NAT	2.47+00 8.05+00	147	ELASTIC D(A)
49-IN-NAT	3.00+00 8.05+00	6	ELASTIC
49-IN-NAT	3.00+00 8.05+00	96	ELASTIC D(A)
73-TA-NAT	2.47+00 8.05+00	7	ELASTIC
73-TA-NAT	2.47+00 8.05+00	132	ELASTIC D(A)
83-BI-209	6.09+00 8.05+00	3	ELASTIC
83-BI-209	6.09+00 8.05+00	59	ELASTIC D(A)

- 2891 EANDC(E)-89U PAGE 59 (1968) H.BORMANN, A.BEHRENDT, O.VOGEL
 (GERMANY)
 ACTIVATION TECHNIQUE
 NUCLEAR PHYS. 115, 309 (1968)

48-CD-106	1.27+01 1.94+01	10	N,2N
48-CD-106	1.27+01 1.94+01	10	N,P
50-SN-112	1.27+01 1.94+01	10	N,2N
51-SO-121	1.27+01 1.94+01	10	N,2N
51-SO-121	1.27+01 1.94+01	10	N,2N
51-SO-121	1.27+01 1.94+01	10	N,2N
51-SO-123	1.27+01 1.95+01	10	N,2N
59-PR-141	1.27+01 1.94+01	10	N,2N
62-SM-144	1.27+01 1.94+01	10	N,2N
67-MO-165	1.27+01 1.94+01	9	N,2N
73-TA-191	1.29+01 1.82+01	11	N,2N

- 2892 NUCLEAR PHYS. 118, 379 (1968) H.LISKIEN (GEE)
 ACTIVATION METHOD. RELATIVE TO CUB5(N,2N) CROSS SECTIONS =
 1.1 BARNs AT 19.5 MEV

45-RH-103	1.95+01 1.95+01	1	N,3N
47-AG-107	1.03+01 1.95+01	4	N,3N
49-IN-113	1.86+01 1.95+01	5	N,3N
53-I-127	1.95+01 1.95+01	1	N,3N
55-CS-133	1.95+01 1.95+01	1	N,3N
59-PR-141	1.81+01 1.95+01	6	N,3N

- 2893 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 2.789 (1968)
 A.ASAMI, M.OKUBO, Y.NAKAJIMA, T.FUKETA (JAPAN)

48-CD-NAT	2.90+05 1.15+04	6	RES.PARAM.
48-CD-110	8.95+05 8.95+05	1	RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2893

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2893 TIME OF FLIGHT METHOD. AREA ANALYSIS. RESOLUTION OF 10 NSEC/M	48-CO-111	2.75-05 1.63-04	9 RES.PARAM.
	48-CO-112	6.67-05 8.32-05	3 RES.PARAM.
	48-CO-113	1.83-05 2.14-04	10 RES.PARAM.
	48-CO-114	1.20-04 1.20-04	1 RES.PARAM.
	51-SB-121	6.23-06 1.67-04	20 RES.PARAM.
	51-SB-123	2.14-05 1.91-04	10 RES.PARAM.
2894 Z. NATURFORSCHG. 21, 988 (1966) M.BORMANN, F.DREYER. U.SEEBECK, H.VOIGTS (GERMANY) ACTIVATION METHOD. SEE ALSO REFERENCE 1768	20-CA-40	1.41+01 1.41+01	1 N,N'A
	20-CA-40	1.41+01 1.41+01	1 N,XA
	27-CO-59	1.25+01 1.92+01	6 N,2N
	27-CO-59	1.25+01 1.92+01	6 N,2N
	27-CO-59	1.25+01 1.92+01	6 N,2N
	30-ZN-64	1.41+01 1.41+01	1 N,N'A
	30-ZN-64	1.41+01 1.41+01	1 N,XA
	33-AS-75	1.41+01 1.41+01	1 N,P
	33-AS-75	1.41+01 1.41+01	1 N,P
	34-SE-74	1.29+01 1.96+01	7 N,2N
	34-SE-74	1.29+01 1.96+01	7 N,2N
	34-SE-74	1.29+01 1.96+01	10 N,2N
2895 Z. PHYSIK 194, 75 (1956) G.WOLFER, M.BORMANN (GERMANY) ACTIVATION METHOD	11-NA-23	1.26+01 1.87+01	7 N,N'A
	11-NA-23	1.26+01 1.87+01	7 N,A
	11-NA-23	1.26+01 1.87+01	7 N,XA
2896 Z. PHYSIK 197, 124 (1966) H.SCOBEL, R.W.FINK, M.BORMANN (GERMANY) IONIZATION CHAMBER. ABSOLUTE FLUX RELATIVE TO L1-61N,ALPHA) CROSS SECTIONS = 100 MILLIBARNS AT 2.40 MEV	7-N -14	5.65+00 6.37+00	14 N,T
	7-N -14	2.48+00 6.37+00	92 N,A
2897 NDL-TR-86 (1967) S.C.MATHUR, P.S.BUCHANAN, J.L.MORGAN (TEXAS NUCLEAR) TIME OF FLIGHT TECHNIQUE. T-1 OBTAINED FROM LECOUEUR'S SPECTRUM RELATIONSHIP. T-2 OBTAINED, AFTER SUBTRACTION OF FIRST NEUTRON SPECTRA, FROM EVAPORATION MODEL. AVERAGE VALUES ARE LISTED HERE WHEN TEMPERATURES WERE GIVEN AT VARIOUS ANGLES. SEE ALSO REFERENCE 1042. PHYS. REV. 186, 1038 (1969)	12-MG-NAT	1.48+01 1.48+01	1 NUCLEAR TEMP.
	14-SI-NAT	1.48+01 1.48+01	1 NUCLEAR TEMP.
	22-TI-NAT	1.48+01 1.48+01	2 NUCLEAR TEMP.
	23-V-NAT	1.48+01 1.48+01	2 NUCLEAR TEMP.
	25-MN-55	1.48+01 1.48+01	2 NUCLEAR TEMP.
	26-Fe-NAT	1.48+01 1.48+01	2 NUCLEAR TEMP.
	27-CO-59	1.48+01 1.48+01	2 NUCLEAR TEMP.
	28-NI-NAT	1.48+01 1.48+01	2 NUCLEAR TEMP.
	29-CU-NAT	1.48+01 1.48+01	2 NUCLEAR TEMP.
	34-SE-NAT	1.48+01 1.48+01	2 NUCLEAR TEMP.
	39-Y -89	1.48+01 1.48+01	2 NUCLEAR TEMP.
	42-MO-NAT	1.48+01 1.48+01	2 NUCLEAR TEMP.
	48-CO-NAT	1.48+01 1.48+01	2 NUCLEAR TEMP.
	51-SB-NAT	1.48+01 1.48+01	2 NUCLEAR TEMP.
	58-CE-NAT	1.48+01 1.48+01	2 NUCLEAR TEMP.
	74-W-NAT	1.48+01 1.48+01	2 NUCLEAR TEMP.
	82-PB-NAT	1.48+01 1.48+01	2 NUCLEAR TEMP.
2898 Z. PHYSIK 228, 286 (1969) H-K.KNITTER, M.COPPOLA (GEEL) TIME OF FLIGHT TECHNIQUE. RELATIVE TO HYDROGEN. CORRECTED FOR BEAM ATTENUATION AND MULTIPLE SCATTERING	94-PU-239	1.90-01 3.80-01	5 SCATTER
2899 BNL-RP-9 (1969) J.F.CONANT (BNL)	92-U -235	2.50-08 2.50-08	1 NU-CLAY

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-399 ***

REF.NO.=2899

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2899

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2899	COMPARISON OF NEUTRON PRODUCTION RATES IN A THERMAL NEUTRON BEAM. RELATIVE TO NUC(TOTAL) = 2.423				
2900	NUCLEAR PHYS. 134, 541 (1969) I. BOCA, N. MARTALOGU, M. SEZON, I. VILCOV, N. VILCOV, G. N. FLEROV, A. A. PLEVE, S. M. POLIKAROV, S. P. TRETYAKOVA (ROMANIA) DETECTED FISSION FRAGMENTS. SEE ALSO NUCLEAR PHYS. 102, 443 (1967) WHICH IS IDENTICAL TO IFA-CRD-34 (1967)	95-AM-243 95-AM-243 95-AM-243	3.00-01 4.00+00 3.00-01 4.00+00 3.00-01 4.00+00	12 13 13	N,FISS N,G N,G C/S RATIO
2901	PHYS. REV. C, 1, 683 (1970) A. DE VOLPI, K. O. PORGES (ANL) ABSOLUTE MEASUREMENT OF NEUTRON RATE AND FISSION RATE FROM 3 FISSION CHAMBERS. NU(DELAYED) TAKEN AS 0.009 TRANS. AM. NUCLEAR SOC. 12, 759 (1969) J. NUCLEAR ENERGY 26, 75 (1972)	98-CF-252	-6.2+00-6.35+00	1	NU-PRMT
2902	TRANS. AM. NUCLEAR SOC. 12, 742 (1969) W. P. DOENITZ (ANL) TIME OF FLIGHT EXPERIMENT. DOUBLE CHAMBER GAS SCINTILLATION COUNTER WASH-1136 PAGE 4 (1969)	94-PU-239	1.50-01 3.25-01	4	N,FISS C/S RATIO
2903	WASH-1136 PAGE 43 (1969) J. R. SMITH, T. E. YOUNG (IDAHO NUCLEAR) AVERAGE OF CRYSTAL SPECTROMETER AND FAST CHOPPER RESULTS	94-PU-241	2.53-08 2.53-08	1	TOTAL
2904	WASH-1136 PAGE 51 (1969) R. P. SCHUMAN (IDAHO NUCLEAR) RELATIVE TO AU-197 CROSS SECTIONS = 98.8 BARN AND R1 OF 1558 BARN	94-PU-244 94-PU-244	2.50-08 2.50-08 5.00-07 1.50+01	1 1	N,G SPECT.AV. N,G RES.INT.
2905	WASH-1136 PAGE 59 (1969) D. D. SIMPSON, L. G. MILLER (IDAHO NUCLEAR) TRANSMISSION MEASUREMENT, RESULTS EXTRAPOLATED TO ZERO THICKNESS	92-U -235 94-PU-239	2.00-03 2.00-03 2.00-03 2.00-03	1 1	TOTAL TOTAL
2906	WASH-1136 PAGE 61 (1969) D. D. SIMPSON, L. G. MILLER, J. R. SMITH, S. D. REEDER (IDAHO NUCLEAR) OBTAINED FROM TOTAL CROSS SECTIONS OF REFERENCE 2905 AND ELASTIC SCATTERING AND FISSION CROSS SECTION MEASUREMENTS	94-PU-239 94-PU-239 94-PU-239	2.00-03 2.00-03 2.00-03 2.00-03 2.00-03 2.00-03	1 1 1	ELASTIC N,FISS ALPHA
2907	IN-1407 PAGE 57 (1970) J. R. SMITH, D. D. SIMPSON, N. H. MARSHALL (IDAHO NUCLEAR) SIMULTANEOUS FIT TO TOTAL CROSS SECTION DATA OF REF. 1112 AND 1113, AND FISSION CROSS SECTION DATA OF REF. 1109, 1110, AND 1358. MAINLY PEAK FITTING, ALTHOUGH SOME SHAPE ANALYSIS. THESE RESONANCE PARAMETERS ARE IN THE ENDF/B III FILE. CAPTURE WIDTHS WERE DETERMINED SOLELY ON CONSISTENCY BETWEEN TOTAL AND FISSION CROSS SECTION SPINS INFERRED FROM INTERFERENCE INFORMATION FROM PREVIOUS MULTILEVEL FITS.	94-PU-241	4.29-05 4.61-05	137	RES.PARAM.
2908	TRANS. AM. NUCLEAR SOC. 12, 280 (1969) J. R. BERRETH, F. B. SIMPSON, B. C. RUSCH, R. A. GREGG (IDAHO NUCLEAR). IN-1407 PAGE 80 (1970)	96-CM-243 96-CM-244 96-CM-244	1.49-05 2.58-05 0. 1.95-04 -1.48-05 1.95-04	34 2 14	RES.PARAM. AV.RES.PARAM. RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-400 ***

REF.NO.=2908

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2908

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2908 MTR FAST CHOPPER. RESOLUTION WAS 1500 NSEC/M (0.01 TO 1 EV). 100 NSEC/M (1 TO 10 EV), AND 50 NSEC/M (10 TO 200 EV). MULTI- LEVEL FIT, 1 FISSION CHANNEL FOR CM245 AND 2 FISSION CHANNELS FOR CM243	96-CM-245 96-CM-246	1.95-06 5.82-05 4.30-06 1.58-04	22 5	RES.PARAM. RES.PARAM.
2909 CAN. J. PHYS. 31, 903 (1953) F.BROWN, J.L.WOLFSON, L.YAFFE (CHALK R.) ACTIVATION ANALYSIS	27-CO-60 27-CO-60M	2.50-08 2.50-08 2.50-08 2.50-08	1 1	ABSORP SPECT.AV. ABSORP SPECT.AV.
2910 INR-P-1091/1A/PL (1969) E.RURARZ, Z.HARATYM, T.KOZLOWSKI, J.WOJTKOWSKA (POLAND) NAI(TL) CRYSTAL ACTA PHYSICA POLONICA B, 1, 97 (1970)	32-GE-72	1.48+01 1.48+01	1	N,2N
2911 YAD. FIZ. 10, 917 (1969) E.F.FOMUSHKIN, E.K.GUTNIKOVA (USSR) DIELECTRIC DETECTORS. MEASURED RELATIVE TO U235 SOVIET J. NUCLEAR PHYS. 10, 529 (1970) INDICCP-7/U PAGE 28 (1970)	94-PU-238 94-PU-242 95-AM-241	4.40-01 3.62+00 1.02+00 8.30+00 1.02+00 8.30+00	14 14 14	N,FISS N,FISS N,FISS
2912 PRIVATE COMMUNICATION (1970) G.S.SIDHU, C.D.BOWMAN (LRL LIVERMORE) NORMALIZED TO PETREL DATA (REFERENCE 106) BETWEEN 30 AND 40 KEV. SCATTER IN DATA IS INDICATIVE OF STATISTICAL ERRORS	92-U -235	1.48-03 9.60-02	92	N,FISS
2913 PRIVATE COMMUNICATION (1969) W.M.WEBSTER (LRL LIVERMORE) NORMALIZED TO AL27(N,ALPHA) CROSS SECTIONS	39-Y -89 69-TM-169 79-AU-197 92-U -238 93-NP-237	1.37+01 1.49+01 1.38+01 1.49+01 1.38+01 1.49+01 1.36+01 1.49+01 1.37+01 1.49+01	5 5 5 6 5	N,2N N,2N N,2N N,FISS N,2N
2914 EANDC(CAN)-40L PAGE 7 (1969) R.W.DURHAM (CHALK R.)	94-PU-242	2.53-08 2.53-08	1	N,0
2915 EANDC(CAN)-40L PAGE 7 (1969) M.LOUNSBURY, R.W.DURHAM, C.B.BIGHAM, G.C.HANNA, S.A.KUSHNERIUK (CHALK R.) RELATIVE TO ABSORPTION CROSS SECTIONS AT 2200 M/SEC OF 575.62 AND 679.46 BARNS FOR U233 AND U235, RESPECTIVELY NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 287 (1970)	92-U -233 92-U -233 92-U -234 92-U -235 94-PU-239 94-PU-239 94-PU-239 94-PU-240	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 1 1 1 1 1 2 1	ALPHA N,FISS N,0 ALPHA ABSORP ALPHA N,FISS N,0 C/S RATIO
2916 NUCLEAR PHYS. 133, 108 (1969) D.M.DRAKE (LASL) NAI(TL) CRYSTAL. SEE ALSO REFERENCE 1497 WASH-1127 PAGE 144 (1969)	92-U -235 92-U -235	4.00+00 7.50+00 4.00+00 7.50+00	3 73	N,N' N,X0 D(E,A)
2917 PROC.2ND CONF.NUCL.REACT.W/LIGHT N-N STRUCT. ROSSENDORF (1967) NOTE.. IN LIEU OF THE AFOREMENTIONED TITLE, SEE NUCL.REACT.W/LIGHT NUCL/NUCL.STRUCT. ROSSENDORF (1967)				
2918 PROC.SYMP.FEW BODY PROBLEMS 'IGHT N-N INTERACT. BRELA (1967) NOTE.. IN LIEU OF THE AFOREMENTIONED TITLE, SEE FEW BODY PROBLEMS LIGHT NUCL/NUCL.INTERACT. BRELA (1967)				

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-401 ***

REF.NO.=2918

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2919

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

- 2919 PROC. CONF. NEUTRON C/S AND TECHNOLOGY. WASH.D.C. (1966)
NOTE.. IN LIEU OF THE AFOREMENTIONED TITLE, SEE
CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C.
- 2920 PROC. CONF. NEUTRON C/S AND TECHNOLOGY. WASH.D.C. (1968)
NOTE.. IN LIEU OF THE AFOREMENTIONED TITLE, SEE
CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C.
- 2921 NEUTRON CROSS SECTIONS AND TECHNOLOGY. WASH. D.C. (1966)
NOTE.. IN LIEU OF THE AFOREMENTIONED TITLE, SEE
CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C.
- 2922 NEUTRON CROSS SECTIONS AND TECHNOLOGY. WASH. D.C. (1968)
NOTE.. IN LIEU OF THE AFOREMENTIONED TITLE, SEE
CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C.
- 2923 PROC. NUCL.PHYS.SOLID STATE PHYS.SYMP.NUCL.PHYS. BOMBAY(1966)
NOTE: IN LIEU OF THE AFOREMENTIONED TITLE, SEE
NUCLEAR PHYSICS SYMPOSIUM. BOMBAY (1966)
- 2924 CP-2638 PAGE 8-11 (1944) A.S.LANGSDORF, JR. (ANL)
ACTIVATION MEASUREMENT
- 2925 CP-2984 PAGE 12-17 (1945) D.J.HUGHES (ANL)
CLOUD CHAMBER. RELATIVE TO NIN,P) CROSS SECTIONS
- 2926 CAN. J. RES. 25, 73 (1947) F.W.FENNINO, G.A.R.GRAHAM,
H.SELIGMAN (MONTREAL LAB)
MEASURED SPATIAL DISTRIBUTION OF THERMAL NEUTRONS. RELATIVE
TO B CROSS SECTION = 705 BARNS
- 2927 CAN. J. RES. 25, 77 (1947) A.N.MAY, E.P.HINCKS (MONTREAL LAB)
IONIZATION CHAMBER. RELATIVE TO N-14(N,P) CROSS SECTIONS =
1.85 BARNS AND 017 ABUNDANCE = 0.037 PC
- 2928 CAN. J. RES. 25, 134 (1947) B.W.SARGENT, D.V.BOOKER,
P.E.CAVANAGH, H.O.HEREWARD, N.J.NIEMI (MONTREAL LAB)
MEASURED THERMAL DIFFUSION LENGTH, RELATIVE TO A TRANSPORT
MEANFREE PATH OF 2.4 CM
J.NUCLEAR ENERGY,PART A, 11, 34 (1959) D.W.HONE
- 2929 CAN. J. RES. 25, 261 (1947) W.J.WHITEHOUSE, G.A.R.GRAHAM
(MONTREAL LAB)
INTEGRATION METHOD
- 2930 NUOVO CIMENTO 4, 59 (1956) A.BRACCI, C.COCEVA (ITALY)
MEASUREMENT OF THERMAL DIFFUSION TIME
- 2931 PROC. PHYS. SOC. (LONDON) 69, 469 (1956) R.E.MEADS,
C.J.ENGLAND, C.H.COLLIE, G.C.WEEKS (OXFORD)
MEASURED NEUTRON LIFETIME

17-CL-35	2.50-08 2.50-08	1 N,P	SPECT.AV.
17-CL-35	2.50-08 2.50-08	1 N,P	SPECT.AV.
3-LI-NAT	2.50-08 2.50-08	1 ABSORP	SPECT.AV.
8-0 -17	2.50-08 2.50-08	1 N,A	SPECT.AV.
D2O	2.53-08 2.53-08	1 ABSORP	
5-B -NAT	2.53-08 2.53-08	1 ABSORP	C/S RATIO
1-H -1	2.53-03 2.53-C8	1 ABSORP	
1-H -1	2.53-08 2.53-08	1 ABSORP	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-402 ***

REF.NO.=2931

07/04/75

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2932

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2932	NUKLEONIK 2, 139 (1960) M.BROSE, K.H.BECKURTS (KARLSRUHE) INTEGRATED THERMAL FLUX. RELATIVE TO PARAFFIN	13-AL-27	2.53-08 2.53-08	1	ABSORP
2933	PROC. NAT'L. INST. SCI. INDIA, PART A, 27, 216 (1961) G.SINGH, A.K.GHATAK (INDIA) SPHERICAL SHELL ATTENUATION	5-B -NAT	2.53-08 2.53-08	1	ABSORP
2934	TRANS. BOSE RES. INST. (CALCUTTA) 24, 7 (1961) A.M.GHOSE (INDIA) SPHERE TRANSMISSION TECHNIQUE	17-CL-NAT	2.53-08 2.53-08	1	ABSORP
2935	NUOVO CIMENTO SUPPLEMENT 19, 4 (1961) R.W.DURHAM, F.GIRARDI (CHALK R.) ACTIVATION. RELATIVE TO CO CROSS SECTION = 36.4 BARNS	16-S -34 17-CL-35 17-CL-35 17-CL-37	2.5-08 2.50-08 2.53-08 2.53-08 2.50-08 2.50-08 2.50-08 2.50-08	1 1 1 1	N.O SPECT.AV. N.A N.P SPECT.AV. N.G SPECT.AV.
2936	ANL-4076 PAGE 10 (1947) R.A.NOBLE, J.R.WALLACE (ANL) MEASUREMENT OF THERMAL DIFFUSION LENGTH. AUTHORS ALSO QUOTE A VALUE OF 0.6 +- 3 MB FOR THE BE-10 ACTIVATION CROSS SECTION AS OBTAINED BY OTHER WORKERS	4-BE-9	2.53-08 2.53-08	1	ABSORP
2937	AECU-2277 (1952) H.A.LEVY, S.W.PETERSON, D.E.LAVALLE (ORNL) NEUTRON DIFFRACTION	15-P -31	2.53-08 2.53-08	1	COHERT
2938	NUCLEAR ENG. AND SCI. CONGRESS. CLEVELAND, PAPER 203 (1955) W.A.BROOKSBANK, JR. ACTIVATION TECHNIQUE	11-NA-23 20-CA-44 26-FE-54 26-FE-58 32-GE-70 32-GE-74 32-GE-76 32-GE-76 32-GE-76 37-RB-NAT 40-ZR-94 4-ZR-96 78-PT-196	2.50-08 2.50-08	1 1 1 1 1 1 1 1 1 1 1 1 1 1	N.G SPECT.AV. N.G SPECT.AV. N.G SPECT.AV. N.G SPECT.AV. N.G SPECT.AV. N.G SPECT.AV. N.G SPECT.AV. N.G SPECT.AV. N.G SPECT.AV. N.G SPECT.AV. N.G SPECT.AV. N.G SPECT.AV. N.G SPECT.AV.
2939	A/CONF. 5, 13 (1955) L.A.GERASEVA, A.V.KAMAYEV, A.K.KRASIN, I.G.MOROZOV (USSR) REACTIVITY COEFFICIENT MEASUREMENT	4-BE-9	2.50-08 2.50-08	1	ABSORP SPECT.AV.
2940	A/CONF. 5, 3 (1955) A.V.ANTONOV, A.I.ISAKOV, I.D.MURIN, B.A.NEUFODYEV, I.M.FRANK, F.L.SHAPIRO, I.V.SHTRANIKH (USSR) NEUTRON LIFETIME MEASUREMENT IN WATER	1-H -1	2.53-08 2.53-08	1	ABSORP
2941	PHYS. LETTERS 30, 36 (1959) R.B.SCHWARTZ, R.A.SCHRACK, H.T.HEATON, II (NBS) TIME OF FLIGHT METHOD. REVISED DATA RECEIVED VIA PRIVATE COM- MUNICATION, H.T.HEATON, II (1971)	1-H -1	1.44+00 1.49+01	1652	TOTAL
2942	PHYS. REV. 178, 1746 (1969) R.W.HOCKENBURY, Z.M.BARTOLOME,	11-NA-23	2.85-03 1.39-01	13	RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=2942

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	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2942 J.R.TATARCZUK, W.R.MOYER, R.C.BLOCK (RPI) LIQUID SCINTILLATOR. DETERMINED CAPTURE AREAS. SEE REFERENCE FOR THE VARIOUS ASSUMPTIONS THAT WERE MADE. NATURAL ELEMENT AND ENRICHED ISOTOPES. SEE ALSO REFERENCE 3096 FOR CORRECTION TO GAMMA-GAMMA FOR THE 2.85 KEV RESONANCE IN NA23. BEST RESOLUTION OF 1.3 NSEC/M.	13-AL-27 26-FE-54 26-FE-56 26-FE-57 26-FE-58 28-NI-58 28-NI-60 28-NI-61 28-NI-62 28-NI-64	5.88-03 3.50-02 7.82-03 5.20-02 2.35-03 5.90-02 1.63-03 4.00-02 2.30-04 1.04-02 6.89-03 1.24-01 1.29-03 9.72-02 1.35-03 8.96-02 2.34-03 4.60-03 9.52-03 8.34-02	3 RES.PARAM. 6 RES.PARAM. 12 RES.PARAM. 24 RES.PARAM. 9 RES.PARAM. 42 RES.PARAM. 24 RES.PARAM. 38 RES.PARAM. 3 RES.PARAM. 8 RES.PARAM.
2943 CHINESE J. PHYS. 6, 15 (1968) J.P.CHEN (ANL) TRANSMISSION AND DIFFERENTIAL ELASTIC SCATTERING CROSS SECTION MEASUREMENTS. SINGLE AND MULTILEVEL SHAPE ANALYSIS. RESOLUTION VARIED FROM 500 EV AT 0.5 MEV, TO 2 KEV AT 1.2 MEV BY TIME OF FLIGHT TECHNIQUE.	26-FE-56	5.11-01 1.44+00	106 RES.PARAM.
2944 NUCLEAR SCIENCE AND ENGINEERING 43, 58 (1971) J.W.CODDING, JR., R.L.TROOP, F.B.SIMPSON (IDAHO NUCLEAR) MTR FAST CHOPPER. AREA AND SHAPE ANALYSIS. GAMMA-GAMMA ASSUMED EQUAL TO 0.066 EV AND 0.065 EV FOR PM-147 AND SM-147, RESPECTIVELY. WHEN DATA NOT GIVEN. SEE ALSO IN-1126 PAGE 19 (1967) WE HAVE AVERAGED THE RESULTS BELOW 60 EV FOR SM-147. RESOLUTION WAS 80-250 NSEC/M BELOW 70 EV, AND 30 NSEC/M AT HIGHER ENERGIES.	61-PM-147 61-PM-147 62-SM-147	0. 1.00-04 -1.80-06 2.41-04 -6.00-07 2.49-04	2 AV.RES.PARAM. 42 RES.PARAM. 30 RES.PARAM.
2945 NYO-GEN-72-132 PAGE 1 (1967) S.WYNCHANK, H.CEULEMANS, J.B.GARG, H.L.LIOU, L.J.RAINWATER, W.H.HAVENS, JR. (COLUMBIA) TIME OF FLIGHT TECHNIQUE. BEST RESOLUTION OF 1 NSEC/M.	68-ER-164 68-ER-166 68-ER-167 68-ER-168 68-ER-170 70-YB-171 70-YB-172 70-YB-173 70-YB-174 70-YB-176	3.05-05 2.25-04 1.00-05 2.89-03 8.00-06 3.74-04 8.00-05 4.38-03 9.00-05 4.25-03 2.20-05 3.54-04 1.40-04 3.70-03 3.20-05 3.72-04 3.50-04 3.29-04 1.00-04 3.66-03	1 AV.RES.PARAM. 1 AV.RES.PARAM. 1 AV.RES.PARAM. 1 AV.RES.PARAM. 1 AV.RES.PARAM. 1 AV.RES.PARAM. 1 AV.RES.PARAM. 1 AV.RES.PARAM. 1 AV.RES.PARAM. 1 AV.RES.PARAM.
2946 CONF. ON NEUTRON C/S TECHNOLOGY. KNOXVILLE, 2, 735 (1971) L.FORMAN, A.O.SCHELBERG, J.H.WARREN, M.V.HARLOW, JR., H.A.GRENCH, N.W.GLASS (LASL) PHYSICS-8 NUCLEAR EXPLOSION SOURCE. AREA ANALYSIS. INSTRUMENT RESOLUTION ABOUT 1 NS/M. PHYS. REV. LETTERS 27, 117 (1971)	90-TH-232 90-TH-232	0. 1.97-03 3.69-05 1.97-03	2 AV.RES.PARAM. 329 RES.PARAM.
2947 J. INORG. NUCLEAR CHEM. 17, 180 (1961) B.KEISCH (PHILLIPS) ACTIVATION TECHNIQUE. RELATIVE TO CD CROSS SECTIONS = 36.3 B.	55-CS-133	2.50-08 2.50-08	1 N.G. SPECT.AV.
2948 PHYS. REV. 75, 1473 (1949) N.SUGARMAN (LASL) ACTIVATION ANALYSIS	55-CS-135	2.50-08 2.50-08	1 N.G. SPECT.AV.
2949 J. NUCLEAR ENERGY 12, 16 (1960) D.C.STUPEGIA (ANL)	55-CS-137	2.50-08 2.50-08	1 N.G. SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=2949

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REF.NO.=2949

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

2949 ACTIVATION ANALYSIS. RELATIVE TO AU-197 CROSS SECTIONS = 99 B

2950 NUCLEAR PHYS. 89, 154 (1966) R.L.BECKER, W.G.GUINDON,
G.J.SMITH (BOSTON COLLEGE)
CORRECTED FOR MULTIPLE SCATTERING AND BEAM ATTENUATION

13-AL-27	3.20+00	3.20+00	13	ELASTIC D(A)
14-SI-NAT	3.20+00	3.20+00	12	ELASTIC D(A)
20-CA-NAT	3.20+00	3.20+00	12	ELASTIC D(A)
22-TI-NAT	3.20+00	3.20+00	13	ELASTIC D(A)
23-V -NAT	3.20+00	3.20+00	13	ELASTIC D(A)
24-CR-NAT	3.20+00	3.20+00	13	ELASTIC D(A)
25-MN-55	3.20+00	3.20+00	14	ELASTIC D(A)
26-Fe-NAT	3.20+00	3.20+00	14	ELASTIC D(A)
27-CO-59	3.20+00	3.20+00	14	ELASTIC D(A)
28-NI-NAT	3.20+00	3.20+00	12	ELASTIC D(A)
29-CU-NAT	3.20+00	3.20+00	14	ELASTIC D(A)
30-ZN-NAT	3.20+00	3.20+00	14	ELASTIC D(A)
31-GA-NAT	3.20+00	3.20+00	13	ELASTIC D(A)
32-GE-NAT	3.20+00	3.20+00	13	ELASTIC D(A)
33-AS-75	3.20+00	3.20+00	13	ELASTIC D(A)
34-SE-NAT	3.20+00	3.20+00	12	ELASTIC D(A)
36-SR-NAT	3.20+00	3.20+00	14	ELASTIC D(A)
39-Y -89	3.20+00	3.20+00	13	ELASTIC D(A)
40-ZR-NAT	3.20+00	3.20+00	13	ELASTIC D(A)
42-MO-NAT	3.20+00	3.20+00	12	ELASTIC D(A)
47-AG-NAT	3.20+00	3.20+00	13	ELASTIC D(A)
48-CO-NAT	3.20+00	3.20+00	13	ELASTIC D(A)
49-IN-NAT	3.20+00	3.20+00	13	ELASTIC D(A)
50-SN-NAT	3.20+00	3.20+00	13	ELASTIC D(A)
51-SB-NAT	3.20+00	3.20+00	13	ELASTIC D(A)
52-TE-NAT	3.20+00	3.20+00	13	ELASTIC D(A)
56-BA-NAT	3.20+00	3.20+00	13	ELASTIC D(A)
57-LA-NAT	3.20+00	3.20+00	12	ELASTIC D(A)
58-CE-NAT	3.20+00	3.20+00	12	ELASTIC D(A)
59-PR-141	3.20+00	3.20+00	11	ELASTIC D(A)
73-TA-NAT	3.20+00	3.20+00	12	ELASTIC D(A)
74-W -NAT	3.20+00	3.20+00	12	ELASTIC D(A)
80-HG-NAT	3.20+00	3.20+00	12	ELASTIC D(A)
81-TL-NAT	3.20+00	3.20+00	11	ELASTIC D(A)
82-PB-NAT	3.20+00	3.20+00	12	ELASTIC D(A)
93-BI-209	3.20+00	3.20+00	13	ELASTIC D(A)

2951 PHYS. REV. 72, 1160 (1947) S.KATCOFF (ANL)
ACTIVATION ANALYSIS

56-BA-132	2.50-08	2.50-08	1	N,G	SPECT.AV.
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2952 PHYS. REV. 100, 169 (1955) A.R.BROSI, B.H.KETELLE (ORNL)
ACTIVATION TECHNIQUE

58-CE-136	2.50-08	2.50-08	1	N,G	SPECT.AV.
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2953 PHYS. REV. 128, 761 (1962) M.L.SEHGAL (BNL)
GAMMA-RAY SPECTROSCOPY. ACTIVATION. CROSS SECTION TO CE-139
(55 SEC) RELATIVE TO AL27 CROSS SECTION. CROSS SECTION TO
CE-139(140 DAY) RELATIVE TO CE-140 CROSS SECTIONS = 0.6 BARNES

58-CE-138	2.50-08	2.50-08	1	N,G	SPECT.AV.
58-CE-138	2.50-08	2.50-08	1	N,G	SPECT.AV.

2954 PHYS. REV. 103, 190 (1956) B.H.KETELLE, H.THOMAS, A.R.BROSI
(ANL)

58-CE-138	2.50-08	2.50-08	1	N,G	SPECT.AV.
58-CE-138	2.50-08	2.50-08	1	N,G	SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=2954

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2954

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

2954 GAMMA SPECTROMETRY. RELATIVE TO CE-140 CROSS SECTION = 0.6
BARNs FOR THE CE-139 (140 DAY) CROSS SECTION2955 PHYS. REV. 79, 467 (1950) A.J.MOSES, D.S.MARTIN, JR.
(AMES LAB)
ACTIVATION METHOD. RELATIVE TO CE-140 CROSS SECTIONS = 0.6 B.

58-CE-138 2.50-08 2.50-08 1 N.G SPECT.AV.

2956 NUCLEAR SCIENCE AND ENGINEERING 20, 332 (1964) P.M.LANTZ,
C.R.BALDOCK, L.C.IFOM (ORNL)
ACTIVATION METHOD. SEE REFERENCE FOR NORMALIZATION58-CE-140 2.50-08 2.50-08 1 N.G SPECT.AV.
58-CE-140 5.00-07 1.50+01 1 ABSORP RES.INT.
58-CE-141 2.50-08 2.50-08 1 ABSORP SPECT.AV.2957 CAN. J. PHYS. 37, 907 (1959) J.C.ROY, L.P.ROY (CHALK R.)
ACTIVATION METHOD. RELATIVE TO CO CROSS SECTIONS = 36.7 BARNs
AND A R: OF 75 BARNs59-PR-143 2.50-08 2.53-08 1 N.G
59-PR-143 5.00-07 1.50+01 1 N.G RES.INT.2958 PHYS. REV. 90, 447 (1953) W.H.WALKER, H.G.THODE (CHALK R.)
MASS SPECTROMETER. RELATIVE TO ND CROSS SECTIONS = 49 BARNs60-ND-143 2.50-08 2.50-08 1 ABSORP SPECT.AV.
60-ND-145 2.50-08 2.50-08 1 ABSORP SPECT.AV.
60-ND-148 2.50-08 2.50-08 1 ABSORP SPECT.AV.2959 PHYS. REV. 76, 300 (1949) D.C.HESS, JR., M.G.INGHRAM (ANL)
MASS SPECTROMETER. RELATIVE TO ND ABSORPTION CROSS SECTIONS =
45 BARNs

60-ND-143 2.50-08 2.50-08 1 ABSORP SPECT.AV.

2960 PHYS. REV. 79, 271 (1950) M.G.INGHRAM, R.J.HAYDEN,
D.C.HESS, JR. (ANL)
MASS SPECTROMETRY62-SM-149 2.53-08 2.53-08 1 ABSORP
64-GD-155 2.53-08 2.53-08 1 ABSORP
64-GD-157 2.53-08 2.53-08 1 ABSORP2961 J. INORG. NUCLEAR CHEM. 17, 6 (1961) K.L.AITKEN, F.W.CORNISH
(AERE)
MASS SPECTROMETRY

62-SM-150 2.50-08 2.50-08 1 ABSORP SPECT.AV.

2962 J. INORG. NUCLEAR CHEM. 24, 749 (1962) M.J.CABELL (AERE)
ACTIVATION METHOD62-SM-152 2.53-08 2.53-08 1 N.G
62-SM-152 5.00-07 1.50+01 1 ABSORP RES.INT.2963 PHYS. REV. 71, 745 (1947) R.E.LAPP, J.R.VAN HORN,
A.J.DEMPSTER (ANL)
MASS SPECTROMETRY. VALUE HERE IS BASED ON GD-155 CROSS
SECTIONS = 61,000 BARNs

54-GD-157 2.50-08 2.50-08 1 ABSORP SPECT.AV.

2964 PHYS. REV. 75, 1276 (1949) F.D.S.BUTEMENT (AERE)
ACTIVATION METHOD. VALUE HERE RELATIVE TO GD-158 ABUNDANCE =
24.9 PC

64-GD-158 2.50-08 2.50-08 1 N.G SPECT.AV.

2965 A/CONF. 16, 150 (1958) J.A.HARVEY, R.C.BLOCK, G.G.SLAUGHTER,
W.J.MARTIN, G.W.PARKER (ORNL)
TRANSMISSION MEASUREMENT. AREA ANALYSIS. SEE ALSO REFERENCE
944

61-PM-147 2.53-08 2.53-08 1 ABSORP

2966 NUCLEAR SCIENCE AND ENGINEERING 12, 519 (1962) R.P.SCHUMAN,
J.R.BERRETH (PHILLIPS)
ACTIVATION METHOD61-PM-147 2.50-08 2.50-08 2 N.G SPECT.AV.
61-PM-147 5.00-07 1.50+01 2 N.G RES.INT.
61-PM-148 2.50-08 2.50-08 1 N.G SPECT.AV.
61-PM-148 2.50-08 2.50-08 1 N.G SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=2966

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2967

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
2967 NUCLEAR SCIENCE AND ENGINEERING 13, 289 (1962) P.M.LANTZ (ORNL) ACTIVATION METHOD. RELATIVE TO CD CROSS SECTIONS = 36.7 BARNS AND R1 = 75 BARNS	58-CE-144 58-CE-144	2.50-08 2.50-08 5.00-07 1.50-01	1 N.G 1 N.G	SPECT.AV. RES.INT.
2968 PHYS. REV. 75, 1500 (1949) R.J.HAYDEN, J.H.REYNOLDS, M.G.INGHRAM (ANL) MASS SPECTROMETRY. RELATIVE TO EU ABSORPTION CROSS SECTION = 4400 BARNS	63-EU-151 63-EU-153	2.50-08 2.50-08 2.50-08 2.50-08	1 ABSORP 1 ABSORP	SPECT.AV. SPECT.AV.
2969 PHYS. REV. 127, 943 (1962) M.J.NURMIA, P.KAURANEN, A.SIIVOLA (FINLAND)	62-SM-144 62-SM-145	2.50-08 2.50-08 2.50-08 2.50-08	1 N.G 1 N.G	SPECT.AV. SPECT.AV.
2970 ANL-4010 PAGE 55 (1947) H.GOLDHABER, C.O.MUEHLHAUSE (ANL) ACTIVATION TECHNIQUE	66-DY-154	2.50-08 2.50-08	1 N.G	SPECT.AV.
2971 PHYS. REV. 110, 37 (1958) H.C.KOEHLER, E.O.WOLLAN, H.K.WILKINSON (ORNL) NEUTRON DIFFRACTION	67-HO-165	2.53-08 2.53-08	1 COHERT	
2972 PRIVATE COMMUNICATION (1962) B.KEISCH, K.T.FALER (PHILLIPS) ACTIVATION TECHNIQUE	67-HO-165	2.53-08 2.53-08	1 N.G	
2973 PHYS. REV. 136, 1285 (1964) R.I.SCHERMER (BNL) CRYSTAL SPECTROMETER. CAPTURE CROSS SECTION BASED ON SCATTERING CROSS SECTION = 9 BARNS AND PARAMAGNETIC CROSS SECTION = 23.5 BARNS. SEE ALSO PRIVATE COMMUNICATION (1961)	67-HO-165	2.53-08 2.53-08	1 ABSORP	
2974 UKR. FIZ. ZH. 11, 240 (1966) M.F.VLASOV, V.P.VERTEBNII, A.L.KIRILYUK, M.V.PASECHNIK, N.A.TROFIMOVA (USSR) TIME OF FLIGHT TECHNIQUE	68-ER-162	2.53-08 2.53-08	1 TOTAL	
2975 KAPL-2000-8 PAGE D.16 (1959) W.E.MOORE, L.J.ESCH (KAPL) ACTIVATION TECHNIQUE. VALUE HERE RELATIVE TO EV-151(N,GAMMA) CROSS SECTION = 8800 +/- 100 BARNS	63-EU-151	2.50-08 2.50-08	1 N.G	SPECT.AV.
2976 PRIVATE COMMUNICATION (1958) W.H.JOHNSON MASS SPECTROMETRY. DATA REPORTED IN REFERENCE 2975. RESULTS HERE RELATIVE TO EU-151(N,GAMMA) CROSS SECTION = 6800 +/- 100 BARNS	63-EU-151	2.50-08 2.50-08	1 N.G	SPECT.AV.
2977 (ZV. AKAD. NAUK S.S.S.R. SER. FIZ. 26, 1118 (1962) L.V.GROSHEV, A.M.DEMIDOV, V.A.IVANDV, V.N.LUTSENKO, V.I.PELEKHOV (USSR) ACTIVATION METHOD	64-GD-155 64-GD-157	2.53-08 2.53-08 2.53-08 2.53-08	1 N.G 1 N.G	
2978 PR-CH-35 PAGE 102 (1963) C.MATTHEWS, R.H.TOMLINSON (CHALK R.) MASS SPECTROMETRY	61-PH-148 61-PH-148G	2.50-08 2.50-08 2.50-08 2.50-08	1 ABSORP 1 ABSORP	SPECT.AV. SPECT.AV.
2979 BULL. AM. PHYS. SOC. 3, 336 (1958) G.R.HOPKINS (WESTINGHOUSE) REACTIVITY COEFFICIENT MEASUREMENT. RELATIVE TO EF CROSS SECTION = 166 BARNS, ER-170 CROSS SECTION = 9 BARNS AND	68-ER-166 68-ER-167	2.50-08 2.50-08 2.50-08 2.50-08	1 N.G 1 N.G	SPECT.AV. SPECT.AV.

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2979 ER-168 CROSS SECTION = 2 BARNS

2980 ANL-5287 (1954) R.F.BARNES (ANL)
ACTIVATION METHOD. RELATIVE TO AU68-ER-168 2.50-08 2.50-08 1 N,G SPECT.AV.
68-ER-170 2.50-08 2.50-08 1 N,G SPECT.AV.2981 2. NATURFORSCHG. 9, 115 (1954) G.WEBER (MAX PLANCK INST.)
ACTIVATION METHOD. VALUE HERE IS RELATIVE TO DY-164IN,GAMMA)
CROSS SECTION = 2700 +/- 200 BARNS

66-DY-164 2.50-08 2.50-08 1 N,G SPECT.AV.

2982 7. NATURFORSCHG. 1, 190 (1946) A.FLAMMERSFELD (GERMANY)
ACTIVATION METHOD. VALUE HERE IS RELATIVE TO DY-164IN,GAMMA)
CROSS SECTION = 2700 +/- 200 BARNS

66-DY-164 2.50-08 2.50-08 1 N,G SPECT.AV.

2983 ICA-99 (1965) M.C.MATIOS (BRAZIL) CRYSTAL SPECTROMETER.
ABSORPTION CROSS SECTION RELATIVE TO A SCATTERING CROSS
SECTION OF 7 BARNS AND A PARAMAGNETIC CROSS SECTION OF 65.2 B67-HO-165 2.53-08 2.53-08 1 SCATTER
67-HO-165 2.53-08 2.53-08 1 ABSORP2984 CNI-6 (1959) O.SEGRE (ITALY)
ACTIVATION METHOD. RELATIVE TO AU-197 CROSS SECTION = 96 B.68-ER-162 2.50-08 2.50-08 1 N,G SPECT.AV.
68-ER-164 2.50-08 2.50-08 1 N,G SPECT.AV.2985 BULL. AM. PHYS. SOC. 14, 496 (1969) C.A.CONRAD, A.J.LEVY,
G.J.KIROUAC, F.FEINER, K.W.SEEHANN, R.E.SLOVACEK (KAPL)
TIME OF FLIGHT TECHNIQUE72-HF-176 1.50-08 6.00-07 20 TOTAL
72-HF-177 1.50-08 8.00-07 21 TOTAL
72-HF-178 1.50-08 8.00-07 21 TOTAL
72-HF-179 1.50-08 8.00-07 21 TOTAL
72-HF-180 1.50-08 8.00-07 21 TOTAL2987 NUKLEONIKA 14, 933 (1969) E.RURARZ, Z.HARATYM, A.SULIK
(POLAND)
ACTIVATION TECHNIQUE. THIS REFERENCE IS IDENTICAL TO
INR-1054 (1969)
DATA ARE SUPERSEDED BY
INR-1197/1/PL PAGE 30 (1970)
ALL DATA IN THIS REFERENCE ARE FROM INR-1197.
ACTA PHYSICA POLONICA B, 1, 415 (1970)34-SE-77 1.45+01 1.45+01 1 N,N'
34-SE-78 1.45+01 1.45+01 1 N,2N
51-SB-123 1.45+01 1.45+01 1 N,2N
56-BA-137 1.45+01 1.45+01 1 N,N'
56-BA-138 1.45+01 1.45+01 1 N,2N
56-CE-140 1.45+01 1.45+01 1 N,2N
60-ND-142 1.45+01 1.45+01 1 N,2N
62-SM-144 1.45+01 1.45+01 1 N,2N
68-ER-167 1.45+01 1.45+01 1 N,N'
68-ER-168 1.45+01 1.45+01 1 N,2N
72-HF-180 1.45+01 1.45+01 1 N,2N2988 AMERICAN J. PHYS. 37, 482 (1969) W.K.ROBINSON, J.L.NAGI,
J.L. DUGGAN (ORNL)
TIME OF FLIGHT TECHNIQUE13-AL-27 1.48+01 1.48+01 1 TOTAL
26-FE-NAT 1.48+01 1.48+01 1 TOTAL
29-CU-NAT 1.48+01 1.48+01 1 TOTAL
82-WB-NAT 1.48+01 1.48+01 1 TOTAL2989 BULL. AM. PHYS. SOC. 15, 86 (1970) J.T.LINDW, P.P.BOSCHUNG,
E.F.SHRADER (CASE W.RES.U)
TIME OF FLIGHT TECHNIQUE. RELATIVE TO (N,P) SCATTERING CROSS
SECTIONS6-C -NAT 5.05+00 5.58+00 2 ELASTIC
6-C -NAT 5.05+00 5.58+00 21 ELASTIC DIA)2990 ATOMNAYA ENERGIYA 25, 437 (1968) F.NASYROV (USSR)
GAMMA-RAY SPECTROMETRY6-C -12 2.00+00 2.00+00 1 N,2N SPECT.AV.
8-O -16 2.00+00 2.00+00 1 N,2N SPECT.AV.
9-F -19 2.00+00 2.00+00 1 N,2N SPECT.AV.
11-NA-23 2.00+00 2.00+00 1 N,2N SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-408 ***

REF.NO.=2990

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EC51L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=2990

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2990

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
12-MG-24	2.00+00 2.00+00	1 N,P	SPECT. AV.
13-AL-27	2.00+00 2.00+00	1 N,A	SPECT. AV.
14-SI-28	2.00+00 2.00+00	1 N,P	SPECT. AV.
22-TI-46	2.00+00 2.00+00	1 N,P	SPECT. AV.
22-TI-47	2.00+00 2.00+00	1 N,P	SPECT. AV.
22-TI-48	2.00+00 2.00+00	1 N,P	SPECT. AV.
23-V -51	2.00+00 2.00+00	1 N,P	SPECT. AV.
23-V -51	2.00+00 2.00+00	1 N,A	SPECT. AV.
25-MN-55	2.00+00 2.00+00	1 N,2N	SPECT. AV.
26-FE-54	2.00+00 2.00+00	1 N,P	SPECT. AV.
26-FE-54	2.00+00 2.00+00	1 N,A	SPECT. AV.
26-FE-56	2.00+00 2.00+00	1 N,P	SPECT. AV.
27-CO-59	2.00+00 2.00+00	1 N,2N	SPECT. AV.
27-CO-59	2.00+00 2.00+00	1 N,P	SPECT. AV.
27-CO-59	2.00+00 2.00+00	1 N,A	SPECT. AV.
28-NI-58	2.00+00 2.00+00	1 N,P	SPECT. AV.
28-NI-60	2.00+00 2.00+00	1 N,P	SPECT. AV.
29-CU-63	2.00+00 2.00+00	1 N,A	SPECT. AV.
29-CU-65	2.00+00 2.00+00	1 N,P	SPECT. AV.
30-ZN-64	2.00+00 2.00+00	1 N,P	SPECT. AV.
30-ZN-66	2.00+00 2.00+00	1 N,P	SPECT. AV.
33-AS-75	2.00+00 2.00+00	1 N,2N	SPECT. AV.
41-NB-93	2.00+00 2.00+00	1 N,2N	SPECT. AV.
42-MO-92	2.00+00 2.00+00	1 N,P	SPECT. AV.
47-AO-107	2.00+00 2.00+00	1 N,2N	SPECT. AV.
53-I -127	2.00+00 2.00+00	1	ELASTIC SPECT. AV.
81-TL-203	2.00+00 2.00+00	1	ELASTIC SPECT. AV.

2991 UKR. FIZ. ZH. 14. 520 (1968) V.P. VEREBNII, A.I. KALCHENKO, M.V. PASECHNIK, ZH.I. PISANKO, V.K. RUDYSHIN (USSR)
TIME OF FLIGHT TECHNIQUE. NATURAL ELEMENT AND ENRICHED ISOTOPES

64-GD-152	0.	1.00-03	1 AV. RES. PARAM.
64-GD-152	3.31-06	9.35-05	10 RES. PARAM.
64-GD-154	0.	1.00-03	1 AV. RES. PARAM.
64-GD-154	9.41-06	1.48-04	14 RES. PARAM.

2992 ATOMNAYA ENERGIYA 25. 526 (1968) O.G. ZAIKIN, I.A. KORZH, M.T. SKLYAR, I.A. TOTSKII (USSR)
RELATIVE TO U235 FROM REFERENCE 1283 AND BNL-325 (1955). ALSO, W-186 THERMAL (N,GAMMA) CROSS SECTIONS = 38 BARNS

29-CU-63	2.30-01	3.11+00	18 N,0
29-CU-65	2.30-01	3.11+00	21 N,0
74-W -186	2.30-01	3.11+00	17 N,0

2993 ATOMNAYA ENERGIYA 23. 566 (1967) V.A. TOLSTIKOV, V.P. KOROLEVA, V.E. KOLESOV, A.G. DOVBENKO (USSR)
RELATIVE TO THERMAL U235 FISSION CROSS SECTIONS = 577 BARNS. CS-133(N,GAMMA) CROSS SECTIONS = 2.6 BARNS. OS-192(N,GAMMA) CROSS SECTIONS = 1.6 BARNS. OL74(N,GAMMA) CROSS SECTIONS = 0.45 BARNS

32-OE-74	2.00-01	3.12+00	23 N,0
55-CS-133	1.42-01	1.23+00	8 N,0
76-OS-192	2.00-01	3.13+00	19 N,0

2994 INDC-260E PAGE 11 (1969) A.G. DOVBENKO, V.E. KOLESOV, V.P. KOROLEVA, V.A. TOLSTIKOV (USSR)
ACTIVATION METHOD
SOVIET J. ATOMIC ENERGY 25. 1376 (1968)
SOVIET J. ATOMIC ENERGY 27. 1185 (1969)
YF1-66 PAGE 11 (1968)

31-GA-NAT	1.10-02	3.38-01	7 N,0
34-SE-80	1.10-02	3.38-01	6 N,0
34-SE-80	1.10-02	3.38-01	14 N,0
50-SN-124	9.00-03	3.38-01	6 N,0
51-SB-121	1.10-02	3.94-01	7 N,0
52-TE-128	1.10-02	3.12+00	25 N,0
52-TE-130	1.10-02	3.12+00	26 N,0

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

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REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
2994	76-05-192	1.10-02 3.50-01	8 N,G
2995 NUKLEONIK 1, 13 (1958) W-H.DIO (GERMANY) FROM MEASUREMENT OF THE THERMAL DIFFUSION LENGTH IN WATER AND PARAFFIN. ASSUMED C ABSORPTION CROSS SECTION = 0	1-H -1	2.53-08 2.53-08	2 ABSORP
2996 UKR. FIZ. ZH. 13, 1781 (1968) I.A.KORZH, V.A.MISHCHENKO, M.V.PASECHNIK, N.M.PRAYDIVIL, I.E.SANZHUR, I.A.TOTSKII (USSR) PROPORTIONAL COUNTERS	12-MG-NAT 12-MG-24 13-AL-27 13-AL-27 14-SI-NAT 14-SI-NAT	1.50+00 1.50+00 1.50+00 1.50+00 1.50+00 1.50+00 1.50+00 1.50+00 1.50+00 1.50+00 1.50+00 1.50+00	2 ELASTIC 10 ELASTIC D(A) 1 ELASTIC 10 ELASTIC D(A) 1 ELASTIC 10 ELASTIC D(A)
2997 ATOMNAYA ENERGIYA 24, 573 (1968) G.N.MASLOV, F.NASYROV, N.F.PASHKIN (USSR) Na(TL) CRYSTAL	5-B -NAT 6-C -12 7-N -NAT 8-O -NAT 9-F -19 13-AL-27	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	10 N,X0 1 N,X0 4 N,X0 5 N,X0 6 N,X0 4 N,X0
2998 NUCLEAR PHYS. 133, 410 (1969) D.C.RORER, B.M.ECKER, R.O.AKYUZ (BNL) TRANSMISSION MEASUREMENT. CRYSTAL SPECTROMETER	2-HE-NAT 2-HE-NAT 10-NE-NAT 10-NE-NAT 18-AR-NAT 18-AR-NAT 18-AR-NAT 36-KR-NAT 36-KR-NAT 36-KR-NAT	1.87-07 6.19-08 2.53-08 2.53-08 1.87-07 6.19-08 2.53-08 2.53-08 7.47-08 6.19-08 2.53-08 2.53-08 2.53-08 2.53-08 7.47-08 6.19-08 2.53-08 2.53-08 2.53-08 2.53-08	11 TOTAL 1 SCATTER 13 TOTAL 1 SCATTER 13 TOTAL 1 SCATTER 1 N,0 14 TOTAL 1 SCATTER 1 N,0
2999 PRIVATE COMMUNICATION (1969) J.C.HOPKINS (LASL) TIME OF FLIGHT METHOD. THE 5.17 MEV LEVEL IS UNRESOLVED (5.11, 5.17 AND 5.18 MEV). THE 8 MEV LEVEL IS UNRESOLVED (5.92, MOSTLY 6.03 MEV)	5-B -10 5-B -10 5-B -10 5-B -11 5-B -11 5-B -11 5-B -11	7.02+00 7.55+00 7.02+00 7.55+00 7.02+00 7.55+00 7.55+00 7.55+00 7.55+00 7.55+00 7.55+00 7.55+00 7.55+00 7.55+00	2 SCATTER 9 N,N' 75 N,N' D(A) 1 FLASTIC 2 N,N' 11 ELASTIC D(A) 22 N,N' D(A)
3000 UKR. FIZ. ZH. 14, 1874 (1969) M.V.PASECHNIK, M.B.FEDOROV, T.I.JAKOVENKO, I.E.KASHUBA, I.A.KORZH TIME OF FLIGHT METHOD INDC-2606 PADE 108 (1969)	22-TI-NAT 22-TI-NAT 24-CR-NAT 24-CR-NAT	2.90+00 2.90+00 2.90+00 2.90+00 2.90+00 2.90+00 2.90+00 2.90+00	8 ELASTIC D(A) 9 N,N' D(A) 8 ELASTIC D(A) 8 N,N' D(A)
3001 ATOMNAYA ENERGIYA 23, 67 (1967) G.O.ZAIKIN, I.A.KORZH, M.T.SKLYAR, I.A.TOTSKII (USSR) RELATIVE TO U235 FISSION FROM REFERENCE 1283 AND BNL-328 (1965). ALSO, TI-50, V51 THERMAL CROSS SECTIONS	22-TI-50 23-V -51	1.80-01 2.03+00 1.87-01 2.61+00	8 N,0 13 N,0
3002 ATOMNAYA ENERGIYA 26, 67 (1969) A.O.DOVHENKO, V.E.KOLESOV, V.P.KORDLEVA, V.A.TOLSTIKOV (USSR) ACTIVATION METHOD. DATA FOR MN AND GA ISOTOPES RECEIVED	25-MN-55 31-GA-69 31-GA-71	4.18-01 3.43+00 1.10-02 3.15+00 1.10-02 2.21+00	22 N,0 28 N,0 27 N,0

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=3002

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3002

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	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
3002 VIA PRIVATE COMMUNICATION, V.P.KOROLEVA (1968).	42-MD-98	2.30-01 2.72+00	16 N,G
3003 BULL. AM. PHYS. SOC. 13, 1390 (1968) R.W.HOCKENBURY, T.J.KING, Z.M.BARTOLCME, J.R.TATARCZUK, W.R.MOYER, R.C.BLOCK (RPI) TIME OF FLIGHT METHOD. AREA ANALYSIS. RESOLUTION OF 0.6 NSEC/M.	24-CR-NAT 26-FE-NAT	1.63-03 2.52-01 7.45-02 1.78-01	27 RES.PARAM. 7 RES.PARAM.
3004 ORNL-4441 (1969) F.O.PEREY, W.E.KINNEY (ORNL) TIME OF FLIGHT TECHNIQUE	6-C -NAT 6-C -NAT 6-C -12 6-C -12	4.60+00 8.56+00 4.60+00 8.56+00 6.01+00 8.56+00 6.01+00 8.56+00	13 ELASTIC 265 ELASTIC D(A) 9 N,N' 206 N,N' D(A)
3005 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 1.159 (1968) C.T.HIBDON, F.P.MOORING (ANL) TRANSMISSION METHOD	3-LI-NAT 3-LI-6 3-LI-7	1.00-02 1.23+00 1.00-02 1.36+00 1.00-02 1.22+00	691 TOTAL 704 TOTAL 698 TOTAL
3006 PHYS. REV. 162, 890 (1967) C.H.JOHNSON, J.L.FOWLER (ORNL) CORRECTED FOR MULTIPLE SCATTERING, SELF ATTENUATION, ANGULAR RESOLUTION. SEE ALSO REFERENCE 3087 AND 2290. RESONANCE AT 3.772 MEV NOT REQUIRED AS PER REF.2290. RESOLUTION OF 15-30 KEV.	8-O -NAT 8-O -16	3.26+00 4.20+00 3.35+00 4.32+00	167 ELASTIC D(A) 14 RES.PARAM.
3008 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., P.553 (1968) J.L.FOWLER, C.H.JOHNSON, R.L.KERNELL (ORNL) STILBENE CRYSTAL. RESOLUTION OF ABOUT 15 KEV.	7-N -NAT 7-N -14	1.59+00 3.20+00 1.59+00 3.20+00	216 ELASTIC D(A) 9 RES.PARAM.
3009 PHYS. REV. 167, 1240 (1968) A.R.THOMAS, D.SPALDING, E.H.THORNDIKE (U.ROCHESTER) COUNTER TELESCOPES. COUNTED RECOIL PROTONS	1-H -1	1.99+02 1.99+02	8 ELASTIC D(A)
3010 PHYS. REV. 154, 1108 (1967) R.E.WOOD, W.S.COOK, J.R.GOODGAME, R.W.FINK (GEORGIA INST.TECH.) ACTIVATION METHOD. RELATIVE TO GE70(N,2N) CROSS SECTIONS OF THIS WORK	32-OE-72 32-OE-72 32-OE-72 32-OE-73 32-OE-74 32-OE-74 32-OE-74 32-OE-76	1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01	1 N,P 1 N,A 1 N,A 1 N,P 1 N,A 1 N,A 1 N,A 2 N,2N
3011 J. NUCLEAR ENERGY 23, 369 (1969) E.MIGNECO, J.P.THEOBALD, H. HEIGMANN (GELI) CAPTURE AND SCATTERING MEASUREMENTS. AREA ANALYSIS. IN DETERMINING THE RADIATION WIDTH, WE HAVE TAKEN J AS 3 FOR THE 126.5 AND THE 178.4 EV RESONANCES IN ND143 AND THE 42.28 AND 101.3 EV RESONANCES IN ND145. J WAS TAKEN AS 4 FOR THE 157.9 AND THE 178.4 EV RESONANCES IN ND143. RESOLUTION VARIED FROM 20 DOWN TO 2 NSEC/M.	60-ND-NAT 60-ND-143 60-ND-145 60-ND-148 60-ND-150	4.33-06 4.33-06 5.49-05 5.52-04 4.22-05 5.65-04 1.54-04 2.04-04 7.83-05 7.83-05	1 RES.PARAM. 18 RES.PARAM. 22 RES.PARAM. 3 RES.PARAM. 1 RES.PARAM.
3012 BULL. AM. PHYS. SOC. 9, 295 (1961) J.S.DESJARDINS, W.H.HAVENS, JR., L.J.RAINWATER, J.L.ROSEN (COLUMBIA U.) CAPTURE GAMMA-RAY SELF-INDICATION METHOD. THESE DATA ARE	53-1 -127	2.04-05 1.45-04	9 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF. NO. = 3012

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REF.NO.=3012

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

3012 REPORTED IN REFERENCE 814 (PHYS. REV. ARTICLE)

3013 INT. J. APPL. RADIAT. ISOTOP. 19, 853 (1968) H.B.HUPF (ORNL)
RELATIVE TO $F_{54}(N,P)$ CROSS SECTIONS = 0.061 BARNS FOR
FISSION NEUTRONS 31-GA-69 2.00+00 2.00+00 1 N,P SPECT.AV.

3014 ATOMNAYA ENERGIYA 24, 187 (1968) V.A.TOLSTIKOV, V.P.KDROLEVA,
V.E.KOLESOV (USSR)
RELATIVE TO THERMAL SE-180(N,GAMMA) CROSS SECTIONS = 530 +-
40 MILLIBARNS AND 80 +- 10 MILLIBARNS FOR SE81G AND SE81H.
RESPECTIVELY. ALSO, U235 THERMAL FISSION CROSS SECTIONS =
577.1 BARNS 34-SE-80 2.00-01 3.12+00 17 N,G

3015 ATOMNAYA ENERGIYA 24, 173 (1968) KH.MALETSKII,
L.B.PIKEL'NER, I.M.SALAMATIN, E.I.SHARAPOV (USSR)
TRANSMISSION, SELF-INDICATION, AND CAPTURE MEASUREMENTS.
ASSUMED POTENTIAL SCATTERING CROSS SECTIONS = 6 BARNS.
ENRICHED ISOTOPES

32-GE-70	0.	2.86-02	2	AV.RES.PARAM.
32-GE-70	1.11-03	2.86-02	22	RES.PARAM.
32-GE-72	0.	2.94-02	2	AV.RES.PARAM.
32-GE-72	2.52-04	2.94-02	17	RES.PARAM.
32-GE-73	0.	8.53-03	2	AV.RES.PARAM.
32-GE-73	1.02-04	8.53-03	59	RES.PARAM.
32-GE-74	0.	6.20-02	2	AV.RES.PARAM.
32-GE-74	2.84-03	6.10-02	12	RES.PARAM.
32-GE-76	0.	4.88-02	2	AV.RES.PARAM.
32-GE-76	5.50-04	4.87-02	10	RES.PARAM.

3016 PHYS. REV. 179, 1148 (1969) HLA SHWE, R.E.COTE (ANL)
FAST CHOPPER, AREA AND SHAPE ANALYSIS. NATURAL ELEMENT AND
ENRICHED ISOTOPES. BEST RESOLUTION OF 11 NSEC/M.

42-MO-92	3.46-04	3.46-04	1	RES.PARAM.
42-MO-95	0.	1.20-03	3	AV.RES.PARAM.
42-MO-95	4.47-05	1.42-03	39	RES.PARAM.
42-MO-96	0.	1.94-03	1	AV.RES.PARAM.
42-MO-95	1.13-04	1.31-04	5	RES.PARAM.
42-MO-97	0.	9.00-04	2	AV.RES.PARAM.
42-MO-97	1.63-05	1.53-03	40	RES.PARAM.
42-MO-98	0.	1.54-03	1	AV.RES.PARAM.
42-MO-98	1.21-05	1.10-03	13	RES.PARAM.
42-MO-100	9.74-05	9.74-05	2	RES.PARAM.

3017 NUCLEAR PHYS. 130, 401 (1969) F.CVELBAR, A.HUDOKLIN-BOZIC,
M.V.MIHAILOVIC, M.NAJZER, V.RAMSAK (YUGOSLAVIA)
SCINTILL. ION TECHNIQUE. INTEGRATED THE GAMMA SPECTRA
NUS-R-502 (1967)

13-AL-27	1.41+01	1.41+01	1	N,G
16-S -NAT	1.41+01	1.41+01	1	N,G
23-V -NAT	1.41+01	1.41+01	1	N,G
24-CR-NAT	1.41+01	1.41+01	1	N,G
25-MN-55	1.41+01	1.41+01	1	N,G
26-FE-NAT	1.41+01	1.41+01	1	N,G

3019 EANDC(E)-65U PAGE 5 (1966) W.P.POENITZ (GERMANY)
ACTIVATION METHOD

45-RH-103	7.80-03	6.40-02	1	AV.RES.PARAM.
47-AG-109	7.80-03	6.40-02	3	N,G
47-AG-109	7.80-03	6.40-02	1	AV.RES.PARAM.
49-IN-NAT	3.00-02	3.00-02	1	N,G
49-IN-113	7.80-03	6.40-02	3	N,G
49-IN-115	7.80-03	6.40-02	3	N,G
51-SB-121	7.80-03	6.40-02	3	N,G
51-SB-123	7.80-03	6.40-02	3	N,G

3020 EANDC(UK)-94AL (0006) K.M.DIMENT, C.A.UTTLEY (AERE)

6-C -NAT	7.40-05	1.50+00	97	TOTAL
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REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=3020

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

3020 TIME OF FLIGHT TECHNIQUE

- 3021 NUCLEAR PHYS. 111, 184 (1968) A.KATASE, T.AKIYOSHI, M.SONODA.
M.SEKI (JAPAN)
NEUTRON COLLIMATOR AND MULTIPLATE CAMERA
20-CA-40 1.41+01 1.41+01 1 N,N,P
20-CA-40 1.41+01 1.41+01 1 N,P
- 3022 PRIVATE COMMUNICATION (1966) HUCK (FRANCE)
RELATIVE TO C-12(N,ALPHA) CROSS SECTIONS = 69 +- 13 MILLIBAR;
AT 15 MEV
6-C -12 1.60+01 1.70+01 2 N,A
- 3023 TID-24823 PAGE 46 (1969) H.B.HUFF (ORNL)
30-ZN-67 2.00+00 2.00+00 1 N,P SPECT.AV.
- 3024 TID-24823 PAGE 52 (1969) H.B.HUFF (ORNL)
31-GA-69 2.00+00 2.00+00 1 N,P SPECT.AV.
- 3025 TID-24823 PAGE 49 (1969) R.E.LEWIS (ORNL)
17-CL-35 2.00+00 2.00+00 1 N,A SPECT.AV.
17-CL-36 2.00+00 2.00+00 1 N,A SPECT.AV.
- 3026 YAD. FIZ. 10, 65 (1969) YU.P.GANORSKII, K.A.GAVRILOV,
B.N.MARKOV, NGUYEN KONG KHAN, S.M.POLIKANDY (USSR)
SPARK COUNTER
95-AM-241 2.50-08 2.50-08 1 N,G SPECT.AV.
- 3027 ORNL-1496 PAGE 14 (1952) G.S.FAWLICKI, E.C.SMITH,
P.E.F.THURLOW (ORNL)
TRANSMISSION MEASUREMENT, AREA ANALYSIS, ENRICHED ISOTOPES
28-NI-62 4.20-03 4.20-03 3 RES.PARAM.
- 3028 PRIVATE COMMUNICATION (1966) W.M.GOOD, K.NISHIMURA, H.MUNZER
(ORNL)
TRANSMISSION MEASUREMENT, AREA ANALYSIS, SUPERCEDES DATA OF
REFERENCE 1850, ENRICHED ISOTOPES
32-OE-70 4.34-03 3.84-02 18 RES.PARAM.
32-OE-72 4.64-03 3.95-02 10 RES.PARAM.
32-OE-74 4.07-03 2.20-02 3 RES.PARAM.
32-OE-76 4.97-03 2.93-02 4 RES.PARAM.
- 3029 INT. CONF. ON INTERACT. OF NEUT. W/NUCLEI. DUBNA, P.51 (1964)
S.M.KALEBIN (USSR)
FAST CHOPPER, TRANSMISSION MEASUREMENT, AREA ANALYSIS,
RESOLUTION OF 30-50 NSEC/M,
33-AS-75 4.80-05 5.28-04 12 RES.PARAM.
- 3030 PHYS. LETTERS 11, 378 (1963) H.E.JACKSON (ANL)
TRANSMISSION MEASUREMENT, AREA AND SHAPE ANALYSIS, NEUTRON
RESOLUTION OF 40-80 NSEC/M,
PHYS. REV. 131, 2153 (1963)
41-NB-93 3.59-05 5.03-04 29 RES.PARAM.
- 3031 A/CONF. 4, 110 (1955) E.R.RAE (AERE)
CAPTURE AND TRANSMISSION MEASUREMENTS, AREA ANALYSIS
41-NB-93 1.95-04 1.95-04 3 RES.PARAM.
- 3032 COMPT. REND. 253, 950 (1961) C.CORGE, V-D.HUYNH, J.JULIEN,
J.MORGENSTERN, F.NETTER (SACLAY)
TRANSMISSION MEASUREMENT, RESOLUTION OF 2.5 NSEC/M,
59-PR-141 9.81-04 2.94-03 20 RES.PARAM.
- 3033 BULL. AM. PHYS. SOC. 7, 288 (1962) Y.AMRAH, V-D.HUYNH,
J.JULIEN, J.MORGENSTERN, F.NETTER (SACLAY)
CAPTURE GAMMA RAY MEASUREMENT
BNL-325 2ND ED. SUPPL.2 (1965)
FOR COMMENTS PERTAINING TO LEVEL ASSIGNMENTS BY NNCS
60-KD-143 5.60-05 1.90-04 7 RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-413 ***

REF.NO.=3033

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3034

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3034 BULL. AM. PHYS. SOC. 1, 347 (1956) H.R.LANDON (BNL) CRYSTAL SPECTROMETER	63-EU-151 63-EU-153	2.72-06 3.71-06 2.45-06 3.94-06	3 6	RES.PARAM. RES.PARAM.
3035 AERE-R-4131 PAGE 3 (1962) H.CEULEMANS, F.POORTMANS, M.NEVE DE MEVERGNIES (MOL BELGIUM) CRYSTAL SPECTROMETER. SCATTERING EXPERIMENT	54-GD-155	2.50-06 2.60-06	1	RES.PARAM.
3036 PROC. INT. CONF. ON NUCLEAR STRUCTURE, KINGSTON, P.573 (1960) G.A.BARTHOLOMEW (CHALK R.) CAPTURE GAMMA RAY SPECTRA MEASUREMENT. PROC. INT. CONF. ON NUCLEAR STRUCTURE, KINGSTON, P.578 (1960) J.W.KNOWLES, G.A.MANNING, G.A.BARTHOLOMEW, P.J.CAMPION	64-GD-155 64-GD-157	2.68-08 2.68-08 3.14-08 3.14-08	1 1	RES.PARAM. RES.PARAM.
3037 AERE-PR/NP-4 PAGE 20 (1963) M.ASGHAR, F.D.BROOKS, J.E.JOLLY (AERE) SCATTERING AND TRANSMISSION MEASUREMENTS	69-TM-169	1.45-05 5.07-05	5	RES.PARAM.
3038 NUCLEAR PHYS. 104, 513 (1967) H.WEIGMANN, H.SCHMID (GEEL) TIME OF FLIGHT METHOD. AREA ANALYSIS. RESOLUTION VARIED FROM 22 TO 1 NSEC/M.	42-MO-92 42-MO-95 42-MO-96 42-MO-97 42-MO-98 42-MO-100	3.47-04 3.47-04 4.49-08 1.14-03 1.13-04 2.36-03 7.09-08 1.26-03 1.20-05 2.55-03 9.73-05 1.25-03	1 23 3 15 8 4	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.
3039 NUCLEAR PHYS. 117, 586 (1968) C.COCEVA, F.CORVI, P.GIACOBBE, G.CARRARJ (GEEL) TIME OF FLIGHT SPECTROMETER. RESOLUTION (RELATIVE) VARIED FROM 0.11 PERCENT (LOW ENERGIES) TO 0.16 PERCENT (1300 EV)	42-MO-95 42-MO-97 44-RU-99 44-RU-101 46-PD-105 46-PD-108 72-HF-177	4.51-05 1.14-03 7.08-05 1.25-03 2.52-05 5.09-04 4.22-05 5.38-04 5.52-05 8.07-04 9.09-05 9.09-05 1.10-06 2.08-04	15 10 12 24 50 1 46	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.
3040 PHYS. LETTERS 28, 656 (1969) A.ASAMI, M.C.MOXON, W.E.STEIN (AERE) MEASURE OF THE ENERGY DEPENDENCE OF THE INTERFERENCE EFFECTS IN THE ANGULAR DISTRIBUTION	26-FE-56	1.15-03 1.15-03	1	RES.PARAM.
3041 INDC-260E PAGE 112 (1969) V.P.VERTEBNII, A.I.KALCHENKO, M.V.PASECHNIK, ZH.I.PISANKO (USSR) TIME OF FLIGHT METHOD. BEST RESOLUTION OF 30 NSEC/M.	56-BA-130	4.64-05 1.86-04	4	RES.PARAM.
3042 NUCLEAR PHYS. 91, 644 (1967) R.A.AL-KITAL, G.BRUNHART, S.S.MALIK, J.P.ROBERGE, V.L.SAILOR (BNL) POLARIZED NEUTRONS THROUGH A POLARIZED TARGET	69-TM-169	3.90-06 3.90-06	4	RES.PARAM.
3043 NUCLEAR PHYS. 135, 241 (1969) R.N.ALVES, J.M.KUCHLY, J.JULIEN, C.SAMOUR, J.MORGENSTERN (ISACLAY) TIME OF FLIGHT TECHNIQUE, GAMMA RAY SPECTRA MEASUREMENTS	17-CL-35 69-TM-169 80-HO-198 80-HG-199 80-HG-201	4.05-04 4.05-04 3.90-06 1.41-04 2.30-05 4.17-04 3.35-05 3.15-04 4.30-05 3.12-04	2 13 4 5 4	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.
3044 INDC-260E PAGE 64 (1969) G.V.MURADYAN, YU.V.ADMCHUK, REF BIBLIOGRAPHY	51-SB-121	0, 7.00-04	3	AV.RES.PARAM.
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

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REF.NO.=3044

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3044

REF BIBLIOGRAPHY

REF	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
3044 YU.G.SHCHEPKIN (USSR) TRANSMISSION AND CAPTURE MEASUREMENTS. AREA ANALYSIS. ENRICHED ISOTOPES. BEST RESOLUTION OF 4 NSEC/M. YAD. FIZ. 8, 852 (1968) IAE-2108 (1971) YF1-12 PAGE 27 (1971)	51-SB-121 51-SB-123 51-SB-123	6.24-06 2.53-03 0. 1.10-03 2.13-05 4.16-03	130 RES.PARAM. 3 AV.RES.PARAM. 110 RES.PARAM.
3045 INDC(CCP)-7/U PAGE 52 (1970) KH.MALETSKII, L.B.PIKEL'NER, I.M.SALAMATIN, E.I.SHARAPOV (USSR) TRANSMISSION, SELF-INDICATION AND CAPTURE MEASUREMENTS. AREA ANALYSIS. NATURAL ELEMENT AND ENRICHED ISOTOPES	31-0A-69 31-0A-71	1.11-04 5.87-03 9.58-05 5.05-03	58 RES.PARAM. 51 RES.PARAM.
3046 INDC(CCP)-7/U PAGE 55 (1970) YU.P.POPOV, M.FLOREK (USSR) TIME OF FLIGHT TECHNIQUE. ENRICHED ISOTOPES (MO-95 AND TE-123). SEE ALSO REFERENCE 3070. RESOLUTION OF 100-160 NSEC/M. YAD. FIZ. 9, 1163 (1969)	42-MO-95 46-PD-105 52-TE-123 54-XE-129	4.51-05 1.14-03 1.32-05 7.85-05 2.33-06 2.75-04 9.40-06 1.25-04	9 RES.PARAM. 3 RES.PARAM. 9 RES.PARAM. 3 RES.PARAM.
3047 INDC(CCP)-7/U PAGE 56 (1970) KH.MALETSKII, L.B.PIKEL'NER, I.M.SALAMATIN, E.I.SHARAPOV (USSR) TRANSMISSION AND CAPTURE MEASUREMENTS. ENRICHED ISOTOPES. BEST RESOLUTION OF 6 NSEC/M. YAD. FIZ. 9, 1119 (1969)	34-SE-74 34-SE-74 34-SE-76 34-SE-76 34-SE-77 34-SE-77 34-SE-78 34-SE-78 34-SE-80 34-SE-80	0. 2.71-05 7.21-03 0. 1.32-02 3.78-04 1.32-02 0. 3.90-03 1.12-04 5.91-03 0. 2.00-02 3.84-04 2.01-02 0. 2.30-02 1.74-03 2.31-02	2 AV.RES.PARAM. 15 RES.PARAM. 2 AV.RES.PARAM. 32 RES.PARAM. 2 AV.RES.PARAM. 78 RES.PARAM. 2 AV.RES.PARAM. 23 RES.PARAM. 2 AV.RES.PARAM. 15 RES.PARAM.
3048 J. EXPTL. THEORET. PHYS. (USSR) 58, 456 (1970) L.S.DANELYAN, B.V.EFIMOV, S.K.SOTNIKOV (USSR) CAPTURE GAMMA RAY SPECTROSCOPY. ENRICHED ISOTOPE. J. EXPTL. THEORET. PHYS. (USSR) 54, 401 (1968) INDC(CCP)-8/U PAGE 18 (1970) INDC-260E PAGE 76 (1969)	64-00-155	2.68-08 6.29-05	23 RES.PARAM.
3049 INDC(CCP)-9/U PAGE 27 (1970) M.K.GREBENYUK, P.SH.KOVACH, KH.MALETSKII, I.M.SALAMATIN (USSR) TRANSMISSION AND RADIATIVE CAPTURE MEASUREMENTS. AREA AND SHAPE ANALYSIS. ENRICHED ISOTOPES JINR-P3-4357 (1969)	37-RB-85 37-RB-85 37-RB-87 37-RB-97	0. 1.76-04 1.71-02 0. 2.35-02 2.68-04 2.34-02	1 AV.RES.PARAM. 64 RES.PARAM. 1 AV.RES.PARAM. 17 RES.PARAM.
3050 AERE-PR/NP 16 PAGE 14 (1969) N.J.PATTENDEN, J.E.JOLLY (AERF) TRANSMISSION MEASUREMENT. AREA ANALYSIS. RESOLUTION OF 3 NSEC/M. GAMMA-GAMMA ASSUMED EQUAL TO 0.14 EV. ENRICHED ISOTOPES. AERE-PR/NP-13 PAGE 6 (1969)	47-AG-107 47-AG-107 47-AG-109 47-AG-109	0. 2.50-03 4.15-05 2.66-03 0. 2.50-03 5.58-05 2.58-03	6 AV.RES.PARAM. 44 RES.PARAM. 6 AV.RES.PARAM. 56 RES.PARAM.
3051 BULL. AM. PHYS. SOC. 15, 567 (1970) R.B.SCHWARTZ, H.T.HEATON, II, R.A.SCHRACK (NBS) TIME OF FLIGHT TECHNIQUE. AREA ANALYSIS. RESOLUTION OF 0.1 NSEC/M.	6-C -NAT 6-C -12	4.93-01 1.50+01 2.07+00 6.29+00	3369 TOTAL 5 RES.PARAM.

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=3051

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3052

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3052	NUCLEAR PHYS. 123, 33 (1969) A.J.ELWYN, J.E.MONAHAN (ANL) NEUTRON SCATTERING MEASUREMENT	26-FE-NAT	3.50-01 9.65-01	210	SCATTER D(A)
3053	INR-1147/1/PL (1969) A.ABBOUD, P.DECOWSKI, W.GRUCHULSKI, A.MARCINKOWSKI, K.SIWEK, I.TURKIEWICZ, Z.WILHELM (POLAND) ACTIVATION METHOD. SEE REFERENCE FOR NORMALIZATION ACTA PHYSICA POLONICA B, 2, 527 (1971)	39-Y -89 39-Y -89	2.69+00 1.80+01 1.32+01 1.75+01	20 7	N,N' N,2N
3054	CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., P.153 (1968) J.A.FARRELL, H.F.E.PINED (DUKE) TIME OF FLIGHT TECHNIQUE	3-L1-6 3-L1-6	4.38-02 6.46-01 2.50-01 2.50-01	125 3	TOTAL RES.PARAM.
3055	PRIVATE COMMUNICATION (1970) A.J.ELWYN (ANL) VIA NNCSC. NO METHOD GIVEN	12-MO-NAT 12-MO-NAT	4.50-01 2.20+00 4.50-01 2.20+00	9 95	SCATTER SCATTER D(A)
3056	J. PHYS. SOC. JAPAN 28, 11 (1970) M.TANAKA, N.KOORI, S.SHIRATO (JAPAN)	1-H -1 1-H -1	1.41+01 1.41+01 1.41+01 1.41+01	1 8	TOTAL ELASTIC D(A)
3057	BULL. AM. PHYS. SOC. 12, 473 (1967) A.J.ELWYN, J.E.MONAHAN, R.O.LANE, A.S.LANGSDORF, JR., F.P.MODRINO (ANL) LI-7(P,N) SOURCE	24-CR-NAT	3.50-01 9.65-01	210	ELASTIC D(A)
3058	NUCLEAR PHYS. 59, 113 (1964) A.J.ELWYN, J.E.MONAHAN, R.O.LANE, A.S.LANGSDORF, JR. (ANL) LI-7(P,N) SOURCE. NOT CORRECTED FOR MULTIPLE SCATTERING	8-F -19 9-F -19 11-NA-23 11-NA-23 13-AL-27 13-AL-27 15-P -31 15-P -31	2.00-01 2.20+00 2.00-01 2.20+00 2.00-01 2.20+00 2.00-01 2.20+00 2.00-01 2.20+00 2.00-01 2.20+00 2.00-01 2.20+00 2.00-01 2.20+00	27 135 23 120 24 120 23 124	SCATTER SCATTER D(A) SCATTER SCATTER D(A) SCATTER SCATTER D(A) SCATTER SCATTER D(A)
3059	PRIVATE COMMUNICATION (1971) H.S.CAMARDA (COLUMBIA U.) TIME OF FLIGHT TECHNIQUE. ENRICHED ISOTOPES BULL. AM. PHYS. SOC. 16, 16 (1971) H.S.CAMARDA, H.I.LIU, G.HACKEN, F.J.RAHN, W.W.HAVENS, JR., M.SLAGOWITZ, , L.J.RAINWATER, S.WYNCHANK 99 PERCENT OF THE VALUES ARE EXPECTED TO REMAIN UNCHANGED AFTER RE-EXAMINATION DURING WRITEUP FOR PUBLICATION. AS PER PRIVATE COMMUNICATION (1972) L.J.RAINWATER	74-W -182 74-W -184 74-W -186	2.10-05 1.32-02 1.01-04 1.64-02 1.87-05 1.73-02	142 125 105	RES.PARAM. RES.PARAM. RES.PARAM.
3060	PRIVATE COMMUNICATION (1971) H.S.CAMARDA (COLUMBIA U.) TIME OF FLIGHT TECHNIQUE. ENRICHED ISOTOPES BULL. AM. PHYS. SOC. 16, 16 (1971) H.I.LIU, H.S. CAMARDA, G.HACKEN, F.J.RAHN, W.W.HAVENS, JR., M.SLAGOWITZ, L.J.RAINWATER, S.WYNCHANK TO BE PUBLISHED IN PHYS. REV. C (MARCH 1972).	68-ER-16L 68-ER-186 68-ER-187 68-ER-168 68-ER-168 68-ER-170 68-ER-170	0. 1.55-05 9.48-03 5.99-06 1.68-03 0. 3.92-06 1.48-02 0. 3.90-06 2.37-02	2 183 336 1 157 1 156	AV.RES.PARAM. RES.PARAM. RES.PARAM. AV.RES.PARAM. RES.PARAM. AV.RES.PARAM. RES.PARAM.
3061	NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 403 (1970) G.CARRARO, W.KOLAR (GEEL) TIME OF FLIGHT TECHNIQUE. AREA ANALYSIS. SEE REF.3127 FOR RESONANCE PARAMETERS BETWEEN 365.2 EV AND 3598 EV.	92-U -238 92-U -238	6.60-05 2.00-03 6.60-05 5.76-03	3 106	AV.RES.PARAM. RES.PARAM.

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=3051

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.-3062

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- 3062 PRIVATE COMMUNICATION (1971) G.A.KEYWORTH (LASL)
PHYSICS 8 SHOT DATA.
LA-DC-11984 (1971) J.R.LENLEY, G.A.KEYWORTH, B.C.DIVEN
SEE ALSO REFERENCE 797
LA-4566 (1971) R.D.BAYBARZ, F.B.SIMPSON, M.E.ENNIS,
G.A.KEYWORTH, H.S.MOORE, J.R.BERRETH, W.K.BROWN,
R.R.FULLWOOD, J.H.MC NALLY, H.C.THOMPSON
NUCLEAR SCIENCE AND ENGINEERING 43, 281 (1971)
- 3063 PRIVATE COMMUNICATION (1970) A.D.CARLSON (OGA)
TIME OF FLIGHT TECHNIQUE. LARGE LIQUID SCINTILLATOR.
NUCLEAR DATA FOR REACTORS, HELSINKI, 2, 265 (1970)
M.P.FRICKE, W.M.LOPEZ, S.J.FRIESENHAHN, A.D.CARLSON,
D.G.COSTELLO
GA-8835 (1968)
CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, 1, 252 (1971)
M.P.FRICKE, D.R.MATHEWS, S.J.FRIESENHAHN, A.D.CARLSON,
J.M.NEILL
NUCLEAR PHYS. 146, 337 (1970)
NASA-CR-72745 (GA-10194) (1970)
- 3064 NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 413 (1970) G.ROHR,
H.WEIGHMANN, J.WINTER (GEEL)
TIME OF FLIGHT TECHNIQUE. MOXON RAE DETECTORS. COMBINED AREA
ANALYSIS OF CAPTURE DATA AND TRANSMISSION DATA OF REF.3061.
RESOLUTION VARIED BETWEEN 20 AND 1 NSEC/M.
- 3065 NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 449 (1970)
F.POORTMANS, H.CEULEMANS, E.MIGNECO, J.P.THEOBALD (GEEL)
MEASURED BOTH SCATTERING AND TOTAL CROSS SECTIONS WITH THE
SAME RESOLUTION SHAPE ANALYSIS
- 3066 NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 553 (1970)
D.V.S.RAMAKRISHNA, M.P.NAVALKAR (INDIA)
CRYSTAL SPECTROMETER. AREA AND SHAPE ANALYSIS. RESOLUTION OF
5 PERCENT AT 1.06 EV.
- 3067 NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 619 (1970) M.CHO,
F.H.FROHNER, M.KAZERDUNI, K-N.MULLER, G.ROHR (KARLSRUHE)
TIME OF FLIGHT TECHNIQUE. TRANSMISSION MEASUREMENT. MULTI-
LEVEL SHAPE ANALYSIS. NEUTRON WIDTH ASSUMED EQUAL TO THE
TOTAL WIDTH. THE T1-48 RESONANCE PARAMETERS ARE OBTAINED FROM
ANALYSIS OF THE DATA OF REFERENCE 814. UNRESOLVED PARAMETERS
CORRECTED FOR MISSED LEVELS. ENRICHED ISOTOPES. RESOLUTION OF
0.2-0.5 NSEC/M.
NUCLEAR PHYS. 164, 97 (1971)
- 3068 NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 633 (1970) A.ERNST,
F.H.FROHNER, D.KOMPE (KARLSRUHE)

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TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
4-BE-9	6.22-01 8.11-01	2	RES.PARAM.
14-SI-NAT	5.33-01 5.66-01	2	RES.PARAM.
92-U -235	2.00-05 9.99-02	6845	N.FISS
96-CM-244	1.99-05 2.06-00	4080	N.FISS
96-CM-244	2.00-05 9.95-03	3491	N.O
96-CM-245	1.99-05 2.83-00	4301	N.FISS
96-CM-246	2.55-05 2.33-00	1087	N.FISS
96-CM-246	8.41-05 3.82-04	107	N.O
96-CM-247	1.99-05 1.90-00	4111	N.FISS
96-CM-248	1.99-05 2.83-00	1947	N.FISS
96-CM-248	2.52-05 1.00-04	108	N.O
42-MO-NAT	9.57-04 1.10-00	95	N.O
64-GD-NAT	1.00-03 7.52-01	89	N.O
64-GD-155	3.00-06 2.00-02	6	AV.RES.PARAM.
64-GD-155	7.61-06 1.83-04	118	RES.PARAM.
64-GD-157	3.00-06 2.00-02	6	AV.RES.PARAM.
64-GD-157	1.62-05 1.84-04	51	RES.PARAM.
73-TA-NAT	9.57-04 1.10-00	95	N.O
74-W-NAT	1.00-03 6.42-01	92	N.O
75-RE-NAT	1.00-03 6.42-01	92	N.O
79-AU-197	9.57-04 1.10-00	95	N.O
92-U -238	1.00-03 7.52-01	93	N.O
92-U -238	6.60-05 1.05-03	1	AV.RES.PARAM.
92-U -238	6.60-05 1.05-03	56	RES.PARAM.
92-U -235	8.78-06 5.64-05	35	RES.PARAM.
94-PV-240	1.05-06 1.05-06	6	RES.PARAM.
22-TI-48	1.77-02 1.92-01	21	RES.PARAM.
22-TI-49	1.72-02 2.46-01	1321	TOTAL
22-TI-49	1.70-02 2.50-01	2	AV.RES.PARAM.
22-TI-49	1.87-02 2.39-01	54	RES.PARAM.
24-CR-53	1.68-02 3.60-01	1654	TOTAL
24-CR-53	1.80-02 1.20-01	12	AV.RES.PARAM.
24-CR-53	1.80-02 2.50-01	2	AV.RES.PARAM.
24-CR-53	2.69-02 2.46-01	28	RES.PARAM.
24-CR-53	1.95-02 2.46-01	60	RES.PARAM.
22-TI-47	8.11-03 2.12-02	9	RES.PARAM.
26-FE-54	1.62-02 7.70-02	4	RES.PARAM.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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REF.NO.-3068

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3068

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	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
3068 TIME OF FLIGHT METHOD. LIQUID SCINTILLATOR, AREA ANALYSIS, USING KNOWN SPINS AND TOTAL WIDTHS. ENRICHED ISOTOPES. RESOLUTION BETTER THAN 2 NSEC/M.	26-FE-56 26-FE-57 28-NI-60 28-NI-61	2.28-02 1.29-01 1.39-02 1.39-02 1.25-02 6.55-02 7.16-03 3.71-02	21 RES. PARAM. 1 RES. PARAM. 3 RES. PARAM. 14 RES. PARAM.
3069 CONF. ON NEUTRON C/S TECHNOLOGY. KNOXVILLE, P/V1.22(1971) H.G. PRIESMEYER, H.H. JUNG (FED. REP. GERMANY) FAST CHOPPER, TIME OF FLIGHT TECHNIQUE. SEPARATED ISOTOPES. AREA ANALYSIS. SEE ALSO, NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 679 (1970) H.H. JUNG, H.G. PRIESMEYER, H. SULITZE RESOLUTION WAS 160 N SEC/M (1-19 EV), 60 N SEC/M (8-140 EV), AND 30 N SEC/M (70-1500 EV).	44-RU-NAT 44-RU-99 44-RU-99 44-RU-100 44-RU-100 44-RU-101 44-RU-101 44-RU-102 44-RU-102 44-RU-102 44-RU-104 44-RU-104	1.01-05 1.46-03 0. 6.70-04 3.54-05 4.03-04 0. 6.70-04 2.30-04 2.30-04 0. 6.70-04 1.16-05 6.70-04 0. 1.30-03 1.66-04 1.29-03 0. 1.30-03 2.26-04 1.05-03	12 RES. PARAM. 5 AV. RES. PARAM. 14 RES. PARAM. 1 AV. RES. PARAM. 1 RES. PARAM. 5 AV. RES. PARAM. 34 RES. PARAM. 2 AV. RES. PARAM. 3 RES. PARAM. 2 AV. RES. PARAM. 4 RES. PARAM.
3070 NUCLEAR PHYS. 154, 177 (1970) J. KVITEK, YU. P. POPOV (DUBNA) TIME OF FLIGHT TECHNIQUE. SIMULTANEOUS MEASUREMENT OF ALPHA PARTICLE AND GAMMA RAY YIELD. NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 669 (1970) YU. P. POPOV, M. I. PSHTULA, R. F. RUME, M. STEPENSKII, M. FLOREK, V. I. FURMAN THESE RESULTS SUPERCEDE EARLIER RESULTS REPORTED IN PHYS. LETTERS 22, 186 (1966) ZHETF PIS'MA RED. 5, 385 (1967) NATURAL ELEMENTS AND ENRICHED ISOTOPES. RESOLUTION WAS 30 - 2000 NSEC/M.	60-ND-143 60-ND-145 62-SM-147 62-SM-149	-6.00-06 7.05-04 4.36-06 1.02-04 3.40-06 1.83-04 9.80-08 5.18-05	16 RES. PARAM. 6 RES. PARAM. 10 RES. PARAM. 19 RES. PARAM.
3071 NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 377 (1970) R.E. CHRIEN, O.A. WASSON, S. DRITSKA, S. BOKHAREE, J.B. GARG (BNL) GAMMA RAY SPECTRA MEASUREMENT. NEUTRON RESOLUTION OF 300 NSEC/M.	94-PU-239	3.00-07 4.18-05	2 RES. PARAM.
3072 NUCLEAR DATA FOR REACTORS. HELSINKI, 2, 745 (1970) J. NEBE, G. J. KIROUAC (KARLSRUHE) MULTILEVEL FIT TO TOTAL CROSS SECTION DATA OF REFERENCE 2517. FOR CA, L VALUES DETERMINED FROM DIFFERENTIAL CROSS SECTION RESULTS. RESOLUTION (SCATTERING MEASUREMENT) VARIED FROM 700 EV (AT 550 KEV), TO 8.5 KEV (AT 2 MEV). NUCLEAR PHYS. 154, 36 (1970) NUCLEAR PHYS. 185, 113 (1972)	11-NA-23 20-CA-40 20-CA-40 20-CA-40	2.98-01 9.85-01 6.50-01 2.04+00 0. 1.30+00 5.59-01 1.53+00	41 RES. PARAM. 4104 ELASTIC DIA) 24 AV. RES. PARAM. 215 RES. PARAM.
3073 REV. ROUM. PHYS. 15, 339 (1970) V. MATEICIUC, L. ALDEA, M. CONSTANTINESCU, T. STADNIKOV (ROMANIA) TIME OF FLIGHT TECHNIQUE, AREA ANALYSIS	51-SB-121 51-SB-121 51-SB-123	0. 1.50-04 6.51-05 1.49-04 4.71-05 1.06-04	2 AV. RES. PARAM. 8 RES. PARAM. 4 RES. PARAM.
3074 J. NUCLEAR ENERGY 24, 245 (1970) V. MATEICIUC, L. ALDEA, M. CONSTANTINESCU, S. DOBRESCU, T. STADNIKOV (ROMANIA) RESONANCE PARAMETERS DETERMINED FROM CROSS SECTIONS RATIO AT TWO DIFFERENT TEMPERATURES. RESOLUTION WAS 1.6 PERCENT AT 6.24 EV.	51-SB-121	6.24-06 6.24-06	3 RES. PARAM.

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-418 ***

REF. NO. = 3074

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REF. NO. #3075

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3075 NUCLEAR PHYS. 150, 97 (1970) G.ROHR, H.WEIGHMANN, J.WINTER (GEEL) MEASUREMENT OF CAPTURE GAMMA RAY SPECTRA. ENRICHED ISOTOPE. NEUTRON RESOLUTION OF 12 NSEC/M.	42-MO-98	1.21-05 8.18-04	5 RES.PARAM.
3076 PHYS. REV. C, 2, 1137 (1970) G.BRUNHART, V.L.SAILOR (BNL) TRANSMISSION OF POLARIZED NEUTRONS THROUGH A POLARIZED TARGET RESOLUTION WAS ABOUT 0.02 EV AT 0.46 EV.	68-ER-167	4.60-0, 9.60-06	4 RES.PARAM.
3077 PHYS. REV. C, 2, 1115 (1970) M.R.BHAT, R.E.CHRIEN, D.I.GARBER, O.A.WASSON (BNL) FAST CHOPPER. MEASUREMENT OF CAPTURE GAMMA RAY SPECTRA. THE 98-123 RESULTS ARE TENTATIVE, EXCEPT FOR THE 21.6 EV RESONANCE	51-SB-121 51-SB-123	2.97-05 1.26-04 2.16-05 1.05-04	5 RES.PARAM. 4 RES.PARAM.
3078 NUCLEAR PHYS. 151, 569 (1970) W.P.FOENITZ, J.R.TATARCZUK (ANL) GAMMA RAY SPECTRA MEASUREMENT OF THE LOW LEVEL OCCUPATION PROBABILITY	67-HO-165	1.83-05 8.60-05	13 RES.PARAM.
3079 PHYS. REV. C, 2, 675 (1970) O.A.WASSON, R.E.CHRIEN (BNL) FAST CHOPPER. CAPTURE GAMMA RAY SPECTROSCOPY. NATURAL ELEMENT AND ENRICHED ISOTOPE	71-LU-175	2.60-06 4.06-05	11 RES.PARAM.
3080 ATOMNAYA ENERGIYA 28, 362 (1970) K.A.GAVRILOV, K.K.KOSHAIEVA, S.N.KRAITOR, L.B.PIKEL'NER (USSR) TIME OF FLIGHT TECHNIQUE. GAMMA-GAMMA TAKEN AS 0.04 EV. G GAMMA N TAKEN FROM REFERENCE 1498. RESOLUTION OF 250 NSEC/M	93-NP-237	4.90-07 7.50-06	14 RES.PARAM.
3081 PHYS. REV. 154, 1136 (1967) J.A.BIGGERSTAFF, J.R.BIRD, J.H.GIBBONS, W.M.GOOD (ORNL) GAMMA RAY SPECTROMETRY COMBINED WITH EARLIER TOTAL AND CAPTURE CROSS SECTIONS RESULTS. NATURAL ELEMENT AND ENRICHED ISOTOPES. NEUTRON RESOLUTION OF 150 TO 40 NSEC/M.	62-PB-206 62-PB-207	1.65-02 7.20-02 1.70-02 4.10-02	12 RES.PARAM. 8 RES.PARAM.
3082 PHYS. REV. 174, 1512 (1968) M.A.LONE, R.E.CHRIEN, O.A.WASSON, M.BEER, M.R.BHAT, H.R.MUETHER (BNL) MEASURED GAMMA RAY TRANSITION INTENSITIES PHYS. REV. C, 2, 2030 (1970) M.R.BHAT, R.E.CHRIEN, D.I.GARBER, O.A.WASSON	69-TM-169 69-TM-169	3.92-06 8.34-05 3.92-06 1.15-04	9 RES.PARAM. 14 RES.PARAM.
3083 PHYS. REV. 174, 1721 (1968) H.V.PRESTWICH, R.E.COTE, H.SHW (ANL) FAST CHOPPER. OBSERVATION OF HIGH ENERGY GAMMA SPECTRA. BEST NEUTRON RESOLUTION OF 40 NSEC/M (TRANSMISSION MEASUREMENT).	41-NB-93	3.58-05 1.19-04	9 RES.PARAM.
3084 PHYS. REV. 173, 1170 (1968) O.A.WASSON, R.E.CHRIEN, M.R.BHAT, M.A.LONE, M.BEER (BNL) GAMMA RAY SPECTROMETRY. BOUND LEVEL STULATED TO YIELD MEASURED THERMAL CAPTURE CROSS SECTIONS. NEUTRON RESOLUTION OF 500 NSEC/M.	79-AU-197	-2.00-05-2.00-05	2 RES.PARAM.

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF. NO. #3084

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REF.NO.=3085

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3085 PRIVATE COMMUNICATION (1969) R.C.BLOCK, M.C.MOXON CITED IN PHYS. REV. 181, 1639 (1969) R.L.MACKLIN, J.H.GIBBONS ACTIVATION TECHNIQUE. RESOLUTION VARIED FROM 8 KEV (AT 31 KEV) TO 23 KEV (AT 193 KEV).	82-PB-208	1.23-02 1.23-02	3 RES.PARAM.
3086 PHYS. REV. C, 2, 1793 (1970) K.RIMAWI, J.B.GARG, R.E.CHRIEN, R.G.GRAVES (BNL) FAST CHOPPER, TIME OF FLIGHT TECHNIQUE. GAMMA-RAY SPECTROMETRY	45-RH-103	9.56-05 3.56-05	1 RES.PARAM.
3087 PHYS. REV. C, 2, 124 (1970) J.L.FOWLER, C.H.JOHNSON (ORNL) MEASUREMENT OF DIFFERENTIAL CROSS SECTIONS IN CONJUNCTION WITH TOTAL CROSS SECTION RESULTS. PHASE SHIFT ANALYSIS. SEE ALSO REFERENCE 3088. ENERGY SPREAD VARIED FROM 5 TO 13 KEV.	8-0 -NAT 8-0 -16	1.E+00 3.44+00 1.65+00 3.44+00	48 ELASTIC D(A) 22 RES.PARAM.
3088 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., P.851 (1968) C.H.JOHNSON, F.X.HAAS, J.L.FOWLER, F.D.MARTIN, R.L.KERNELL, H.O.COHN (ORNL) TIME OF FLIGHT TECHNIQUE. BULL. AM. PHYS. SOC. 12, 1186 (1967) BULL. AM. PHYS. SOC. 13, 601 (1968)	7-N -14	2.23+00 3.57+00	8 RES.PARAM.
3089 PHYS. REV. C, 1, 973 (1970) R.E.CHRIEN, M.R.BHAT, O.A.WASSON (BNL) FAST CHOPPER. CAPTURE GAMMA RAY SPECTRA MEASUREMENT	26-FE-56	1.16-03 1.16-03	2 RES.PARAM.
3090 NUCLEAR PHYS. 132, 161 (1969) O.A.WASSON, R.E.CHRIEN, M.A.LONE, M.R.BHAT, M.BEER (BNL) FAST CHOPPER. HIGH ENERGY CAPTURE GAMMA RAY SPECTROMETRY. SPINS ARE TENTATIVE. NEUTRON RESOLUTION OF 330 NSEC/M.	73-TA-181	4.30-06 2.39-05	4 RES.PARAM.
3091 PHYS. LETTERS 29, 417 (1969) S.CIERJACKS, P.FORTI, D.KOPSCH, L.KROPP, J.NEBE (KARLSRUHE) TIME OF FLIGHT TECHNIQUE. RESOLUTION OF 200 EV (AT 300 KEV), AND 900 EV (AT 800 KEV).	11-NA-23	2.99-01 7.78-01	16 RES.PARAM.
3092 NUCLEAR SCIENCE AND ENGINEERING 37, 137 (1969) Z.M.BARTOLOME, R.W.HOCKENBURY, W.R.MOYER, J.R.TATARCZUK, R.C.BLOCK (RPI) CAPTURE AND TRANSMISSION MEASUREMENTS. AREA ANALYSIS. SEE ALSO REFERENCE 923. ENRICHED ISOTOPIES. RPI-328-142 PAGE 11 (1968) BULL. AM. PHYS. SOC. 10, 499 (1965) RPI-328-56 PAGE 14 (1965) ORNL-3924 PAGE 31 (1966) R.C.BLOCK, R.W.HOCKENBURY, J.E.RUSSELL RESONANCE DATA FOR ZR91 AT 3.15 KEV CORRECTED AS PER PVT. COMM. (1971) R.C.BLOCK	40-ZR-90 40-ZR-90 40-ZR-91 40-ZR-91 40-ZR-92 40-ZR-92 40-ZR-94 40-ZR-94 74-W -182 74-W -182 74-W -183 74-W -183 74-W -184 74-W -184 74-W -186	3.84-03 1.72-02 3.84-03 4.45-02 1.81-04 4.26-03 1.81-04 1.10-02 2.00-03 9.79-03 2.00-03 3.93-02 2.26-03 1.42-02 2.26-03 2.77-02 2.12-04 2.38-03 9.80-05 1.94-02 1.54-04 7.60-04 4.07-05 1.30-02 1.65-04 2.61-03 1.02-04 1.97-02 1.70-04 3.41-03	2 AV.RES.PARAM. 32 RES.PARAM. 2 AV.RES.PARAM. 70 RES.PARAM. 2 AV.RES.PARAM. 37 RES.PARAM. 2 AV.RES.PARAM. 34 RES.PARAM. 1 AV.RES.PARAM. 222 RES.PARAM. 1 AV.RES.PARAM. 360 RES.PARAM. 1 AV.RES.PARAM. 1 AV.RES.PARAM. 201 RES.PARAM. 1 AV.RES.PARAM.
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION

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REF.NO.=3092

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REF	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3092	74-W -186	1.88-05 1.99-02	183	RES.PARAM.
3094	55-C5-133	5.90-06 4.07-04	2	AV.RES.PARAM.
	55-C5-133	5.90-06 4.07-04	23	RES.PARAM.
ATOMKERNENERGIE 14, 271 (1969) H.H.JUNG, H.G.PRIESMEYER (U.KIEL) TIME OF FLIGHT TECHNIQUE. TRANSMISSION MEASUREMENT. AREA ANALYSIS. RESOLUTION FROM 163 - 31 NSEC/M.				
3095	43-TC-99	0. 5.00-04	2	AV.RES.PARAM.
	43-TC-99	-6.40-06 5.25-04	26	RES.PARAM.
NUCLEAR SCIENCE AND ENGINEERING 41, 188 (1970) T.WATANABE, S.D.REEDER (IDAHO NUCLEAR) FAST CHOPPER, TRANSMISSION MEASUREMENT. AREA AND SHAPE ANALYSIS. RESOLUTION OF 40 TO 1800 NSEC/M.				
3096	11-NA-23	2.85-03 2.85-03	1	RES.PARAM.
NUCLEAR SCIENCE AND ENGINEERING 41, 445 (1970) N.YAMAMURO, R.W.HOCKENBURY, R.C.BLOCK, R.H.WOLFE (RP) CAPTURE MEASUREMENT. AREA ANALYSIS				
3097	PROC. INT. CONF. ON NUCLEAR DATA FOR REACTORS. HELSINKI (1970) NOTE... IN LIEU OF THIS TITLE, SEE NUCLEAR DATA FOR REACTORS. HELSINKI (1970)			
3098	4-BE-9	2.00+00 2.00+00	1	N,2N SPECT.AV.
N. LEONIK 10, 257 (1967) K.H.ROBROCK, R.HECKER (GERMANY) COUNTED ALPHA PARTICLES				
3099	4-BE-9	6.20-09 1.87-07	47	TOTAL
PHYS. REV. 71, 589 (1947) E.FERMI, H.J.STURM, R.G.SACHS (ANL) SLOW CHOPPER AND CRYSTAL SPECTROMETER. DATA TAKEN FROM BNL-325 2ND ED. (1958)				
3100	4-BE-9	2.24-07 9.07-06	11	TOTAL
BNL-325 2ND ED. (1958) UNPUBLISHED (COLUMBIA U.)				
3101	4-BE-9	1.65+01 1.87+01	17	N,D
Z. NUKLEONIK 24, 289 (1969) W.SCOBEL (U.HAMBURG) MEASURED BETA DECAY OF LI-8				
3102	4-BE-9	1.37+01 1.46+01	21	TOTAL
	6-C -NAT	1.37+01 1.46+01	21	TOTAL
	9-F -19	1.37+01 1.46+01	21	TOTAL
NUCLEAR PHYS. 119, 525 (1969) L.HUNYADI, I.ANGELI (HUNGARY) TRANSMISSION METHOD				
3103	4-BE-9	1.40+01 1.40+01	1	NONE LAS
AECU-404 (LA-740) (1949) D.O.PHILLIPS (LASL) SPHERE TRANSMISSION. THE VALUE OF 0.82 +- 0.03 BARNS REPORTED IN THIS WORK WAS LATER CORRECTED TO ALLOW FOR ELASTIC SCAT- TERING. SEE AWRE-0-27/60 PAGE 7, 24 (1960) K.PARKER				
3104	4-BE-9	1.40+01 1.40+01	1	NONE LAS
PRIVATE COMMUNICATION (1960) B.ADAMS DATA REPORTED IN AWRE-0-27/60 PAGE 7, 24 (1960) K.PARKER NO METHOD GIVEN				
3105	4-BE-9	1.45+01 1.45+01	3	N,2N
CEA-R-2986 (1966) A.GIORNJ (U.GRENOBLE,FRANCE) DOUBLE TIME OF FLIGHT TECHNIQUE. WE HAVE TAKEN THE TOTAL N,2N CROSS SECTION AS 0.45 BARNS IAEA CONF. ON NUCLEAR DATA. PARIS, PAPER CN-23/76 (1966)				

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REF.NO.-3105

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- 3105 R. BOUCHEZ, J.C. GONDRAND, P. PERRIN, C. PERRIN, A. GIORNI,
R. DARVES-BLANC, P. QUIVY
NUCL. REACT. W/LIGHT NUCL/NUCL. STRUCT. ROSSENDORF, P. 29F (1966)
J. PHYSIQUE (COLLOQ.) C1-79 (1966)
COMPT. REND. 261, 1269 (1965)
COMPT. REND. 259, 3501 (1964) R. BOUCHEZ, J.C. GONDRAND,
P. PERRIN, C. PERRIN, A. GIORNI, P. QUIVY, M. DUBUS
CEA-R-2734 (1965)
- 3106 NP-17794 (1968) J. ROTURIER (U. BORDEAUX, FRANCE)
TIME OF FLIGHT TECHNIQUE
COMPT. REND. 260, 4491 (1965) J. ROTURIER, J.-L. IRIGARAY,
G.Y. PETIT
BE-9 INELASTIC (2.43 MEV) DIFFERENTIAL CROSS SECTIONS TAKEN
FROM
BNL-400 3RD ED. (1970)
- 3107 PROCC. CONF. NUCL. REACT. W/LIGHT N-N STRUCT. ROSSENDORF (1966)
NOTE: IN LIEU OF THE AFOREMENTIONED TITLE, SEE
NUCL. REACT. W/LIGHT NUCL/NUCL. STRUCT. ROSSENDORF (1966)
- 3108 NUCLEAR PHYS. 163, 592 (1971) R.G. STIEGLITZ, R.W. HOCKENBURY,
R.C. BLOCK (RPI)
CONF. ON NEUTRON C/S TECHNOLOGY, KNOXVILLE, 2, 889 (1971)
CAPTURE AND TRANSMISSION MEASUREMENTS RESOLUTION OF
0.6 N SEC/M. MULTILEVEL SHAPE AND AREA ANALYSIS. ENRICHED
ISOTOPES.
- 3109 NUCLEAR PHYS. 171, 31 (1971)
G.F. AUCHAMPAUGH, J.A. FARRELL, D.W. BERGEN (LASL)
CONF. ON NEUTRON C/S TECHNOLOGY, KNOXVILLE, P/V1.6 (1971)
PHYSICS 8 NUCLEAR EXPLOSION SOURCE. RESOLUTION OF 0.8 N SEC/M
ABOVE 400 EV
- 3110 CONF. ON NEUTRON C/S TECHNOLOGY, KNOXVILLE, P/V1.12 (1971)
H.M. EILAND, S. WEINSTEIN, K.W. SEEMANN (RPI)
TRANSMISSION MEASUREMENT. MOSTLY AREA ANALYSIS. ENRICHED
ISOTOPE. RESOLUTION WAS 2 N SEC/M AT 1.5 KEV WHEN NOT
MEASURED. RADIATION WIDTH WAS ASSUMED EQUAL TO 0.066 EV
(SM147) AND 0.060 EV (SM150)
- 3111 CONF. ON NEUTRON C/S TECHNOLOGY, KNOXVILLE, P/V1.11 (1971)
F. POORTMANS, H. CEULEMANS, J.P. THEOBALD, E. MIGNECO (GEL)

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REF.NO.=3111

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

3111 TOTAL AND SCATTERING C/S MEASUREMENTS, COMBINES WITH CAPTURE DATA. RESOLUTION WAS 0.037 EV AT 10 EV AND 0.234 EV AT 50 EV. AREA AND PEAK RESONANCE CROSS SECTION ANALYSIS

3112 CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, P/VI.4 (1971)
R.W.HOCKENBURY, J.O.BOICE, W.R.MOYER, R.C.BLOCK (RP1)
CAPTURE AND TRANSMISSION DATA. AREA ANALYSIS. WHEN NOT MEASURED, RADIATION WIDTH ASSUMED TO BE EQUAL TO 0.0295 EV
NUCLEAR SCIENCE AND ENGINEERING 49, 153 (1972)
J. AM. NUCL. SOC. 13, 299 (1970)
CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, 2. 72: (1971)

94-PU-240 7.60-03 2.70-02 11 N.D. SPECT.AV.
94-PU-240 2.06-05 4.99-04 2 AV.RES.PARAM.
94-PU-240 7.49-04 2.03-03 13 RES.PARAM.
94-PU-240 2.04-05 4.99-04 50 RES.PARAM.

3113 CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE,P/VI.20D(1971)
S.F.MUGHABGHAB, O.A.WASSON, R.E.CHRIEN (BNL)
FAST CHOPPER. STUDY OF PRIMARY GAMMA RAY TRANSITIONS
PHYS. REV. LETTERS 26, 1118 (1971) S.F.MUGHABGHAB,
R.E.CHRIEN, O.A.WASSON, G.W.COLE, M.R.BHAT

42-MO-92 3.47-04 5.40-03 6 RES.PARAM.
42-MO-96 1.13-04 1.13-04 2 RES.PARAM.
42-MO-98 1.20-05 1.10-03 10 RES.PARAM.
42-MO-100 9.73-05 9.73-05 2 RES.PARAM.

3114 CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE,P/VI.20C(1971)
S.F.MUGHABGHAB, O.A.WASSON, G.W.COLE, R.E.CHRIEN (BNL)
FAST CHOPPER, STUDY OF LOW ENERGY AND PRIMARY GAMMA SPECTRA

70-YB-173 4.50-06 1.11-04 14 RES.PARAM.

3115 CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, P/VI.26(1971)
H.KOLAR, J.P.THEOBALD, J.A.WARTENA (OEL)
TIME OF FLIGHT TECHNIQUE. TRANSMISSION AND FISSION CROSS SECTION MEASUREMENTS. RESOLUTION ON THE TRANSMISSION MEASUREMENT VARIED FROM 100 N SEC/M (AT 0.7 EV) TO 1 N SEC/M (AT 700 EV). ENRICHED SAMPLE. SHAPE ANALYSIS. SEE ALSO
CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, P/VI.25(1971)
H.KOLAR, G.CARRARO
SEE ALSO REF.3208 FOR FISSION CROSS SECTIONS.

94-PU-241 1.20-05 7.00-05 4 AV.RES.PARAM.
94-PU-241 1.27-05 9.95-05 130 RES.PARAM.

3116 PRIVATE COMMUNICAT ON (1971) H.S.CAMARDA (COLUMBIA U.)
TIME OF FLIGHT TECHNIQUE. ENRICHED ISOTOPES.
99 PERCENT OF THE VALUES ARE EXPECTED TO REMAIN UNCHANGED AFTER RE-EXAMINATION DURING WRITEUP FOR PUBLICATION, AS PRIVATE COMMUNICATION (1972) L.J.RAINWATER

49-IN-113 2.15-05 2.00-03 42 RES.PARAM.
49-IN-115 0. 2.00-03 2 AV.RES.PARAM.
49-IN-115 2.27-05 1.88-03 312 RES.PARAM.
57-LA-139 0. 1.00-02 2 AV.RES.PARAM.
57-LA-139 2.39-05 1.02-02 126 RES.PARAM.
62-SM-152 1.54-03 5.10-03 61 RES.PARAM.
62-SM-154 2.53-03 5.07-03 13 RES.PARAM.

3117 PRIVATE COMMUNICATION (1971) J.B.GARG (SUNY, ALBANY)
MULTILEVEL ANALYSIS OF 1965 TRANSMISSION RESULTS. SEE ALSO REFERENCE 814. R-MATRIX FIT TO TIME OF FLIGHT DATA.

9-F -19 2.70-02 9.70-02 9 RES.PARAM.
12-MG-26 3.90-01 5.05-01 6 RES.PARAM.
13-AL-27 5.90-03 2.08-01 24 RES.PARAM.
16-S -32 3.03-02 3.77-01 18 RES.PARAM.

3118 NUCLEAR PHYS. 102, 602 (1967) J.MORGENSTERN, S.DE BARROS, A.BLOCK, P.L.CHEVILLON, V-D.HUYNH, H.E.JACKSON, J.JULIEN, C.LOPATA, C.SAMOUR (SACLAY)
TIME OF FLIGHT TECHNIQUE. SHAPE ANALYSIS. BEST RESOLUTION 0.19 N SEC/M.
NUCLEAR PHYS. 62, 529 (1965) J.MORGENSTERN, G.BIANCHI, C.CORGE, V-D.HUYNH, J.JULIEN, F.NETTER, G.LE POITTEVIN,

25-MN-55 0. 4.00-02 1 AV.RES.PARAM.
25-MN-55 4.93-03 8.14-02 54 RES.PARAM.
27-CO-59 0. 1.20-01 6 AV.RES.PARAM.
27-CO-59 1.32-04 1.19-01 138 RES.PARAM.

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TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=3118

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PHYS. LETTERS 23, 683 (1966)
SEE ALSO REFERENCE 2537 FOR V51 RESONANCE PARAMETERS.
CEA-R-3609 (1968)
- 3119 NUCLEAR DATA FOR REACTORS. HELSINKI, I, 481 (1970) H.DERRIEN.
J.BLONS, A.MICHAUDON (SACLAY)
TIME OF FLIGHT TECHNIQUE. TARGET AT 77 DEGREES K. SIMULTAN-
EOUS MULTILEVEL ANALYSIS OF TOTAL CROSS SECTIONS (RESOLUTION
OF 0.5 N SEC/M) AND FISSION CROSS SECTIONS (RESOLUTION OF
1 N SEC/M). SHAPE FIT. TOTAL AND RADIATION WIDTHS WERE HELD
EQUAL TO THE RESULTS OF A SINGLE LEVEL ANALYSIS, AS GIVEN BY
REFERENCE 2438. SEE ALSO REF.3204 FOR FISSION CROSS SECTIONS.
- 3120 NUCLEAR DATA FOR REACTORS. HELSINKI, I, 495 (1970) J.TROCHON.
H.DERRIEN, B.LUCAS, A.MICHAUDON (SACLAY)
TIME OF FLIGHT TECHNIQUE. SCATTERING MEASUREMENT, IN CONJUNC-
TION WITH TOTAL CROSS SECTION MEASUREMENT OF REFERENCE 2438.
- 3121 CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, P/VI.2 (1971)
F.J.RAHN, H.S.CAMARDA, G.HACKEN, H.W.HAVENS, JR., H.L.LIU,
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TRANSMISSION, CAPTURE, AND SELF-INDICATION MEASUREMENTS.
SINGLE LEVEL ANALYSIS
BULL. AM. PHYS. SOC. 16, 15 (1971)
RESOLVED RESONANCE PARAMETERS REPLACED BY REF. 3556.
- 3122 CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, P/III.8(1971)
J.KREBS, G.LE COQ, J.P.L'HERITIAU, P.RIBON (SACLAY)
MULTILEVEL SHAPE ANALYSIS OF VARIOUS MEASUREMENTS OF CAPTURE,
FISSION, AND TOTAL CROSS SECTIONS.
- 3123 CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE,P/VI.19A(1971)
G.ROHR, H.WEIGMANN, M.HESKE (GEEL)
CAPTURE MEASUREMENTS. SEPARATED ISOTOPES. RESOLUTION BETWEEN
1.5 AND 10 N SEC/M. AREA ANALYSIS
- 3124 CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE,P/VI.19B(1971)
H.WEIGMANN, G.ROHR, J.WINTER (GEEL)
CAPTURE MEASUREMENTS. SEPARATED ISOTOPES. RESOLUTION BETWEEN
1.5 AND 3 N SEC/M. SCATTERING AND SELF-INDICATION MEASURE-
MENTS ALSO CARRIED OUT FOR MO-96
- 3125 CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, P/VI.8A(1971)
J.BLONS, H.DERRIEN, A.MICHAUDON (SACLAY)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-424 ***

REF.NO.=3125

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3125

REF BIBLIOGRAPHY

	TARGET	EN.	RANGE (MEV)	PTS	DESCRIPTION
3125 TIME OF FLIGHT TECHNIQUE. NOMINAL RESOLUTION OF 1 N SEC/M. TARGET AT 77 DEGREES K. SINGLE LEVEL SHAPE ANALYSIS. VALUES OF 2 O(GAMMA N) WERE TAKEN FROM REFERENCE 1035. NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 469 (1970) J.BLONS, G.DEBRIL, J.FERMANDJIAN, A.MICHAUDON NUCLEAR SCIENCE AND ENGINEERING 51, 130 (1973)	92-U -235		9.28-06 1.47-04	473	RES.PARAM.
3126 CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, P/VI.8B(1971) J.BLONS, H.DERRIEN, A.MICHAUDON (SACLAY) TIME OF FLIGHT TECHNIQUE. NOMINAL RESOLUTION OF 1 N SEC/M. TARGET AT 77 DEGREES K. SINGLE LEVEL SHAPE FIT OF THESE FISS-ION CROSS SECTIONS AND THE TOTAL CROSS SECTIONS MEASURED AT GEEL. NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 469 (1970) J.BLONS, G.DEBRIL, J.FERMANDJIAN, A.MICHAUDON NUCLEAR SCIENCE AND ENGINEERING 51, 130 (1973)	94-PU-241 94-PU-241 94-PU-241		3.50-06 2.97-02 0. 1.60-04 4.28-06 1.60-04	7653 5 377	N.FISS AV.RES.PARAM. RES.PARAM.
3127 CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, P/VI.23(1971) G.CARRARO, W.KOLAR (GEEL) TIME OF FLIGHT TECHNIQUE. AREA ANALYSIS. RESULTS PRESENTED ARE AVERAGES OF THIS MEASUREMENT AND THAT OF REFERENCE 3061 NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 403 (1970)	92-U -238 92-U -238		6.00-05 2.00-03 7.65-04 3.59-03	3 141	AV.RES.PARAM. RES.PARAM.
3128 PRIVATE COMMUNICATION (1970) E.BARNARD, J.A.M.DE VILLIERS, D.REITHMANN, P.A.MOLDAUER, A.B.SMITH, J.F.WHALEN (SOUTH AFRICAN ATOMIC ENERGY BOARD, RSA AND ANL) ALL DATA CORRECTED FOR MULTIPLE SCATTERING. RESULTS NORMAL-IZED TO DIFFERENTIAL CARBON SCATTERING REPORTED IN ANL-5567 (REV.1), TO BE PUBLISHED. SEE ALSO PRIVATE COMMUNICATION (1970) A.B.SMITH, AND ANL-7410 PAGE 8 (1969) A.B.SMITH, J.F.WHALEN, P.T.GUENTHER ANL-7710 PAGE 7 (1971)	22-TI-NAT 22-TI-NAT 22-TI-NAT 22-TI-NAT		1.00-01 1.49+00 3.12-01 1.47+00 7.20-01 1.48+00 1.06+00 1.50+00	1014 83 45 140	TOTAL ELASTIC N,N' N,N' D(A)
3129 Z. NATURFORSCHG. 26, 334 (1971) G.BRUNNHART, H.POSTHA, D.C.RORER, V.L.SAILOR, L.VANNESIE (BNL) POLARIZED NEUTRON BEAM AND TARGET. SINGLE CRYSTAL SPECTRO-METER. BEST RESOLUTION OF 0.4 EV AT 10 EV.	66-DY-161 66-DY-162 66-DY-163		2.72-05 1.85-05 5.45-06 5.45-06 1.71-05 1.62-05	8 1 2	RES.PARAM. RES.PARAM. RES.PARAM.
3130 PHYS. REV. C, 3, 1737 (1971) B.J.ALLEN, R.L.MACKLIN (ORNL) MEASURED CAPTURE YIELDS. ENRICHED ISOTOPES. AREA ANALYSIS.	3-LI-7 6-C -13 8-O -16		2.54-01 2.54-01 1.52-01 1.52-01 4.26-01 4.26-01	1 2 2	RES.PARAM. RES.PARAM. RES.PARAM.
3131 PHYS. REV. C, 3, 2054 (1971) R.E.CHRLEN, K.RIMAH, J.B.GARG (BNL) FAST CHOPPER. NEUTRON ENERGY RESOLUTION OF 150 NSEC/M. CAPTURE GAMMA SPECTRA	41-NB-93		3.58-05 3.35-04	25	RES.PARAM.
3132 NUOVO CIMENTO LETTERS 4, 1220 (1970) E.MIGNECO, J.P.THEOBALD, S.DE JONGE (GEEL) TIME OF FLIGHT TECHNIQUE AT TWO ANGLES. RESOLUTION OF 5 NSEC/M ENRICHED ISOTOPE.	42-MD-98		4.29-04 8.13-04	3	RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-425 ***

REF.NO.=3132

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO.=3133

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3133	PHYS. REV. C, 2, 2037 (1970) R.O.LANE, C.E.NELSON, J.L.ADAMS, J.E.MONAHAN, A.J.ELHYN, F.P.MOORING, A.S.LANGSDORF, JR. (ANL) TOTAL AND DIFFERENTIAL CROSS SECTIONS MEASUREMENTS. BEST RESOLUTION OF 4-15 KEV. MULTILEVEL ANALYSIS	5-B -11 5-B -11 5-B -11	3.00-01 2.05+00 7.50-02 2.24+00 2.00-02 1.77+00	95 TOTAL 387 ELASTIC D(A) 14 RES.PARAM.	
3134	BULL. AM. PHYS. SOC. 15, 1667 (1970) F.BECVAR, R.E.CHRIEN, O.A.HASSON (BNL) CAPTURE GAMMA SPECTRA MEASUREMENT, BNL FAST CHOPPER. NUCLEAR PHYS. 235, 173 AND 198 (1974)	62-SM-149	9.76-08 3.40-05	16	RES.PARAM.
3135	CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE,P/VI.13A(1971) B.CAUVIN, A.LOTTIN, A.MICHAUDON, C.M.NEWSTEAD, D.PAYA, J.TROCHON (SACLAY) GAMMA-RAY MULTIPLICITY METHOD, LOW LEVEL OCCUPATION PROBABILITY METHOD, AND RESONANT ELASTIC SCATTERING TECHNIQUE.	51-SB-121 51-SB-123 52-TE-123 52-TE-125 53-1 -127 60-NO-143 60-NO-145 62-SM-147 62-SM-149	6.24-06 4.21-04 2.1 -05 2.99-04 2.41-05 6.63-04 1.35-04 3.39-03 2.05-05 2.37-04 -6.00-06 6.58-04 4.30-06 4.05-04 1.83-05 1.85-04 4.98-06 1.85-04	28 14 34 74 26 36 44 36 58	RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM. RES.PARAM.
3136	CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE,P/VI.13B(1971) H.TELLIER, C.M.NEWSTEAD (SACLAY) TIME OF FLIGHT TECHNIQUE. HO, TM, AND NATURAL TE TARGETS AT 77 DEGREES KELVIN. NATURAL AND SEPARATED ISOTOPE. SHAPE ANALYSIS.	67-HO-165 67-HO-165 69-TM-169	0. 1.35-03 8.16-06 1.27-03 0. 1.75-03	2 278 1	AV.RES.PARAM. RES.PARAM. AV.RES.PARAM.
3137	PRIVATE COMMUNICATION (1971) A.D.CARLSON (GULF RAD.TECH.) CAPTURE AND SELF-INDICATION MEASUREMENTS. AREA AND SHAPE ANALYSIS. AVERAGE CAPTURE CROSS SECTION MEASUREMENTS MADE UP TO 1 MEV RELATIVE TO HYDROGEN. TRANS. AM. NUCLEAR SOC. 14, 352 (1971) A.D.CARLSON, M.P.FRICKE, S.J.FRIESENHAHN GULF-RT-A-10739 (1971)	45-RH-103 45-RH-103 45-RH-103	9.37-04 1.10+00 1.25-06 1.00+00 1.25-06 9.88-04	95 3 146	N.O AV.RES.PARAM. RES.PARAM.
3138	PHYS. REV. C, 8, 1504 (1973) B.J.ALLEN, R.L.MACKLIN, R.R.WINTERS, C.Y.FJ (ORNL) TIME OF FLIGHT. NEUTRON CAPTURE MEASUREMENT. AREA ANALYSIS. CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, 2, 764 (1971) B.J.ALLEN, R.L.MACKLIN (ORNL)	82-PB-204 82-PB-204 82-PB-206 82-PB-206 82-PB-206 82-PB-207 82-PB-207 82-PB-207 82-PB-207 82-PB-208 82-PB-208	2.59-03 1.60-01 2.59-03 1.28-02 3.36-03 1.99-01 3.36-03 2.54-02 3.36-03 1.99-01 3.07-03 1.81-01 0. 7.00-01 3.07-03 6.98-01 3.07-03 1.81-01 2.50-03 7.77-02 7.77-02 7.77-02	1 6 1 6 35 1 2 124 17 1 2	N.O RES.INT. RES.PARAM. N.O RES.INT. RES.PARAM. RES.PARAM. N.O RES.INT. AV.RES.PARAM. RES.PARAM. RES.PARAM. N.O RES.INT. RES.PARAM.
3139	CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, 2, 611 (1971) M.R.MC PHERSON, F.GABBARD (U.KENTUCKY) TIME OF FLIGHT TECHNIQUE. SHAPE FIT.	3-LI-6	2.58-01 2.58-01	2	RES.PARAM.
3140	PRIVATE COMMUNICATION (1971) H.S.CAMARDA (COLUMBIA U.) TRANSMISSION, SELF-INDICATION, AND CAPTURE MEASUREMENTS.	90-TH-232	0. 3.00-03	3	AV.RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-426 ***

REF.NO.=3140

07/04/76

EC514-7600 BIBLIOGRAPHY (REF. NO. ORDERFD)

REF.NO.=3140

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3140 MAINLY AREA, BUT ALSO SHAPE ANALYSIS.

99 PERCENT OF THE VALUES ARE EXPECTED TO REMAIN UNCHANGED AFTER RE-EXAMINATION DURING WRITEUP FOR PUBLICATION, AS PER PRIVATE COMMUNICATION (1972) L.J.RAINWATER
RESOLVED RESONANCE PARAMETERS REPLACED BY REF. 3556.

3141 PHYS. REV. C, 4, 273 (1971) M.S. MOORE, J.H. MC NALLY, R.D. BAYBARZ (LASL)

98-CF-252 2.40-05 4.74+00 4222 N.FISS
98-CF-252 2.45-05 9.83-04 35 RES.PARAM.

PHYSICS B BOMB SOURCE, RELATIVE TO L1-6(N,T) CROSS SECTIONS BELOW 100 KEV AND TO THE U235 CROSS SECTIONS ABOVE 100 KEV. BEST RESOLUTION SLIGHTLY LESS THAN 1 NSEC/M. AREA AND SOME SHAPE ANALYSIS.

3142 PHYS. REV. C, 4, 900 (1971) O.A. WASSON, R.E. CHRIEN, G.G. SLAUGHTER, J.A. HARVEY (ORNL)
GAMMA RAY SPECTRA MEASUREMENT

92-U -238 1.02-05 2.63-04 5 RES.PARAM.

3143 PHYS. REV. C, 4, 380 (1971) R.O. LANE, S.L. HAUSLADEN, J.E. MONAHAN, A.J. ELWYN, F.P. MOORING, A.S. LANGSDORF, JR. (ANL)
POLARIZATION AND DIFFERENTIAL SCATTERING CROSS SECTION MEASUREMENTS AS WELL AS FITS TO REACTION AND TOTAL CROSS SECTION RESULTS. MULTILEVEL R MATRIX THEORY ANALYSIS. NEUTRON ENERGY SPREAD VARIED FROM 30 TO 100 KEV

5-B -10 -9.40-01 1.86+00 21 RES.PARAM.

3144 IN-1407 PAGE 43 (1970) T.E. YOUNG, M.R. SERPA (IDAMO NUCLEAR)
THERE IS ALSO A PRIVATE COMMUNICATION FROM T.E. YOUNG (1972). NEUTRON TRANSMISSION MEASUREMENTS. ENRICHED ISOTOPE.

41-NB-94 1.15-05 2.27-05 3 RES.PARAM.

3145 PRIVATE COMMUNICATION (1972) H.I. LIU (COLUMBIA U.)
TIME OF FLIGHT TECHNIQUE. SEPARATED ISOTOPES.

70-YB-168 2.25-05 1.88-04 2 RES.PARAM.
70-YB-170 3.99-05 1.32-03 19 RES.PARAM.
70-YB-171 7.91-06 1.68-03 239 RES.PARAM.
70-YB-172 1.39-04 1.01-02 103 RES.PARAM.
70-YB-173 4.51-06 1.79-03 214 RES.PARAM.
70-YB-174 3.43-04 1.98-02 80 RES.PARAM.
70-YB-176 9.78-05 1.96-02 68 RES.PARAM.

3146 PRIVATE COMMUNICATION (1971) A.B. SMITH, J.F. WHALEN
RELATIVE TO ELASTIC SCATTERING OF CARBON AS GIVEN IN ANL-5567. CORRECTED FOR MULTIPLE SCATTERING. RECEIVED DATA IN LABORATORY SYSTEM, NOT TRANSFORMED TO CENTER OF MASS SYSTEM BECAUSE OF TARGET MASS AND MAGNITUDE OF UNCERTAINTY.
NUCLEAR SCIENCE AND ENGINEERING 47, 19 (1972) A.B. SMITH, P. LAMBROPOULOS, J.F. WHALEN
J. NUCLEAR ENERGY 27, 317 (1973) A.B. SMITH, P.T. GUENTHER, J.F. WHALEN

94-PU-239 6.50-01 1.49+00 392 TOTAL
94-PU-239 3.00-01 1.50+00 148 ELASTIC
94-PU-239 3.00-01 1.50+00 723 ELASTIC LEGEND.COEFF
94-PU-240 1.16-01 1.46+00 55 TOTAL
94-PU-240 3.00-01 1.50+00 30 ELASTIC
94-PU-240 3.50-01 1.50+00 60 N.N.
94-PU-240 3.00-01 1.50+00 150 ELASTIC LEGEND COEF

3147 PRIVATE COMMUNICATION (1972) F. WIDDER
(SWISS FEDERAL INSTITUTE FOR REACTOR RESEARCH)
EIR-217 (1975)

23-V -NAT 1.17-08 1.09-04 293 N.O.
25-MN-55 9.93-09 2.84-04 262 N.O.
56-CS-133 1.33-08 4.69-05 259 N.O.
63-EU-NAT 1.08-08 1.03-05 379 N.O.
63-EU-151 1.00-08 1.57-06 271 N.O.
63-EU-153 1.00-08 9.84-06 206 N.O.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-427 ***

REF.NO.=3147

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3147

REF BIBLIOGRAPHY

3147

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
66-DY-NAT	1.26-08 1.21-05	367	N,0
71-LU-NAT	9.93-09 9.26-06	386	N,0
71-LU-175	1.02-08 1.08-05	232	N,0
71-LU-176	1.02-08 1.98-05	277	N,0
73-TA-NAT	1.39-08 2.04-05	226	N,0

3148 NUCLEAR PHYS. 142, 619 (1970) V.R.DAVE, J.A.NELSON,
R.M.WILENZICK (TULANE U.)
RING GEOMETRY. GE(LI) DETECTOR.
BULL. AM. PHYS. SOC. 14, 1214 (1969)

55-CS-133	1.00+00 2.20+00	78	N,XG	D(A)
59-FR-141	1.30+00 2.20+00	74	N,XG	D(A)

3149 PHYS. REV. C, 2, 1662 (1970) H.MARSHAK, A.LANGSFORD,
T.TAMURA, C.Y.WONG (ACRE)
TIME OF FLIGHT TECHNIQUE. TRANSMISSION MEASUREMENT.

67-HO-165	1.00+00 1.35+02	103	TOTAL
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3150 PHYS. REV. C, 1, 1233 (1970) L.HUSAIN, A.BARI, P.K.KURODA
(U.ARKANSAS)
ACTIVATION TECHNIQUE. GE(LI) DETECTOR.

13-AL-27	1.48+01 1.48+01	1	N,P
37-RB-85	1.48+01 1.48+01	1	N,2N
37-RB-85	1.48+01 1.48+01	1	N,2N
37-RB-85	1.48+01 1.48+01	1	N,2N
37-RB-85	1.48+01 1.48+01	1	N,P
37-RB-87	1.48+01 1.48+01	1	N,2N
37-RB-87	1.48+01 1.48+01	1	N,2N
37-RB-87	1.48+01 1.48+01	1	N,2N
37-RB-87	1.48+01 1.48+01	1	N,P
38-SR-84	1.48+01 1.48+01	1	N,2N
38-SR-86	1.48+01 1.48+01	1	N,2N
38-SR-86	1.48+01 1.48+01	1	N,2N
38-SR-86	1.48+01 1.48+01	1	N,2N
38-SR-86	1.48+01 1.48+01	1	N,P
38-SR-88	1.48+01 1.48+01	1	N,2N
38-SR-88	1.48+01 1.48+01	1	N,P
40-ZR-90	1.48+01 1.48+01	1	N,2N
40-ZR-90	1.48+01 1.48+01	1	N,2N
40-ZR-90	1.48+01 1.48+01	1	N,2N
40-ZR-90	1.48+01 1.48+01	1	N,P
40-ZR-96	1.48+01 1.48+01	1	N,A
41-NB-93	1.48+01 1.48+01	1	N,2N
41-NB-93	1.48+01 1.48+01	1	N,A

3151 PHYS. REV. LETTERS 25, 1628 (1970) F.P.BRADY, W.J.KNOX,
J.A.JUNGERMAN, M.R.MC GIE, R.L.WALRAVEN (U.CALIFORNIA,DAVIS)
TRANSMISSION GEOMETRY, COUNTER TELESCOPES

1-H-1	2.46+01 5.93+01	8	TOTAL
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3152 BULL. AM. PHYS. SOC. 15, 1667 (1970) S.F.MUGHABGHAB,
R.E.CHRISTEN, O.A.WASSON (BNL)
FAST CHOPPER. MEASUREMENT OF PRIMARY AND LOW ENERGY GAMMA
RAYS

66-DY-163	1.70-06 2.90-04	8	RES.PARAM.
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3153 NUCLEAR SCIENCE AND ENGINEERING 41, 351 (1970) J.W.MEADOWS,
J.F.WHALEN (ANL)
VAN DE GRAFF. TRANSMISSION MEASUREMENT

3-LI-7	1.00-01 1.48+00	940	TOTAL
3-LI-7	2.61-01 2.61-01	1	RES.PARAM.
6-C-NAT	6.48-01 1.55+00	456	TOTAL

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-428 ***

REF.NO.=3153

07/04/76

ECSEL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. #3154

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3154 NUCLEAR SCIENCE AND ENGINEERING 49, 399 (1972) A.B.SMITH, P.LAMBROPOULOS, P.T.GUENTHER, J.F.WHALEN (ANL) FAST NEUTRON CROSS SECTIONS OF PALLADIUM, SEE ALSO ANL-7869 (1971) FOR TOTAL NEUTRON CROSS SECTIONS OF LITHIUM-6, SEE NUCLEAR SCIENCE AND ENGINEERING 48, 221 (1972) AND, SEE ALSO ANL-7710 PAGE 12 (1971) VAN DE GRAFF. TRANSMISSION MEASUREMENT. BF3 BELOW 650 KEV, LIQUID SCINTILLATOR ABOVE 650 KEV	3-LI-6 29-CU-NAT 46-PD-NAT 46-PD-NAT 46-PD-NAT 46-PD-NAT	1.00-01 1.45+00 1.01-01 1.45+00 1.00-01 1.49+00 3.00-01 1.47+00 6.00-01 1.46+00 3.00-01 1.47+00	987 TOTAL 621 TOTAL 670 TOTAL 121 ELASTIC 191 N.N 480 ELASTIC	LEGEND.COEF
3155 NUCLEAR SCIENCE AND ENGINEERING 42, 143 (1970) L.W.WESTON, R.GWIN, G.DE SAUSSURE, R.W.INGLE, J.H.TODD, C.W.CRAVEN, R.W.HOCKENBURY, R.C.BLOCK (RP1) LINAC. TIME OF FLIGHT TECHNIQUE. SIMULTANEOUS MEASUREMENT OF CAPTURE AND FISSION NORMALIZED TO FISSION CROSS SECTIONS (1.0253 EV) = 527.7 B.	92-U -233 92-U -233 92-U -233	1.E -08 1.06-06 1.67-08 1.06-06 1.67-08 1.06-06	50 N.FISS 50 N.O 50 ETA	
3156 NUCLEAR SCIENCE AND ENGINEERING 43, 54 (1971) C.J.ORTH (LASL) COUNTING NEUTRONS AND SPONTANEOUS FISSIONS. RELATIVE TO NU (PROMPT) = 3.77 FOR 252CF, NEUTRON ENERGIES FOR 250CM AND 254CF ARE SIMPLE ESTIMATES	94-PU-244 96-CM-248 96-CM-250 98-CF-250 98-CF-254	-6.02+00-6.02+00 -6.21+00-6.21+00 -5.00+00-5.00+00 -6.62+00-6.62+00 -5.00+00-5.00+00	1 NU-PRMT 1 NU-PRMT 1 NU-PRMT 1 NU-PRMT 1 NU-PRMT	
3157 BULL. AM. PHYS. SOC. 15, 1668 (1970) P.STOLER, J.C.CLEMENT, C.A.GOULding, R.C.BLOCK, P.F.YERGIN (RP1) LINAC. TIME OF FLIGHT TECHNIQUE. RP1-328-200 PAGE 33 (1970)	6-C -NAT 11-NA-23	8.89-01 2.99+01 6.50-01 4.52+01	1800 TOTAL 1965 TOTAL	
3158 PRIVATE COMMUNICATION (1971) P.STOLER, J.C.CLEMENT, C.A.GOULding, R.W.FAIRCHILD (RP1) LINAC. TIME OF FLIGHT TECHNIQUE. SAMPLE THICKNESS OF 0.278 ATOMS/BARN	28-NI-60	4.80-01 2.79+01	2316 TOTAL	
3159 NUCLEAR SCIENCE AND ENGINEERING 44, 173 (1971) J.F.CONANT, P.F.PALMEDO (BNL) MEASURED BETA, THE DELAYED NEUTRON FRACTION. WE HAVE TAKEN THE PROMPT NU AS 2.49, 2.42, AND 2.85 FOR 233U, 235U, AND 239PU, RESPECTIVELY	92-U -233 92-U -235 94-PU-239	2.50-08 2.50-08 2.50-08 2.50-08 2.50-08 2.50-08	1 NU-DLAY 1 NU-DLAY 1 NU-DLAY	
3160 MICHIGAN. UNIVERSITY OF, TECHNICAL REPORT 03028-3-1 (1969) E.F.PARKER, L.W.JONES TRANSMISSION MEASUREMENT PHYS. LETTERS, B. 31, 246 (1970) E.F.PARKER, H.R.GUSTAFSON, L.W.JONES, M.J.LONGO, P.V.RAHANA MURTHY, F.E.RINGIA, B.CORK PHYS. LETTERS, B. 31, 250 (1970)	1-H -1 1-H -2 2-HE-NAT 4-BE-9 6-C -NAT 13-AL-27 26-FE-NAT 29-CU-NAT 48-CD-NAT 74-W -NAT 82-PB-NAT 92-U -NAT	4.00+03 5.70+03 4.00+03 5.70+03	2 TOTAL 2 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-429 ***

REF. NO. #3160

07/04/76

ECSIL-7500 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3161

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3161	PRIVATE COMMUNICATION (1971) R.B.SCHWARTZ, H.T.HEATON,II, R.A.SCHRACK (NBS) TIME OF FLIGHT TECHNIQUE. SAMPLE THICKNESS OF 0.2614 ATOMS/B.	82-PB-NAT	4.72-01 1.49+01	3454	TOTAL
3162	BULL. AM. PHYS. SOC. 16, 495 (1971) R.B.SCHWARTZ, R.A.SCHRACK, H.T.HEATON,II (NBS) TIME OF FLIGHT TECHNIQUE. SI TARGET THICKNESSES OF 0.6297 AND 0.1465 ATOMS/B. BE TARGET THICKNESSES OF 0.9447 AND 0.4069 ATOMS/B.	14-BE-9 14-SI-NAT	4.96-01 1.89+01 4.95-01 2.00+01	3450 3454	TOTAL TOTAL
3163	PRIVATE COMMUNICATION (1971) P.STOLER, J.M.CLEMENT, C.A.GOULding, R.W.FAIRCHILD (RP1) TIME OF FLIGHT TECHNIQUE. SEVERAL SAMPLE THICKNESSES (AVERAGE ABOUT 0.5 B/ATOM) NUCLEAR PHYS. 183, 51 (1972)	1-H -1 1-H -2	5.01-01 2.46+01 5.01-01 2.99+01	425 432	TOTAL TOTAL
3164	PRIVATE COMMUNICATION (1971) R.B.SCHWARTZ, H.T.HEATON,II, R.A.SCHRACK (NBS) TIME OF FLIGHT TECHNIQUE. SAMPLE THICKNESSES OF 1.027 AND 0.3331 ATOM/B. SEE ALSO REFERENCE 2425.	20-CA-NAT	4.76-01 6.16+00	3021	TOTAL
3165	NUCLEAR SCIENCE AND ENGINEERING 40, 136 (1970) H.O.MENLOVE, R.H.AUGUSTSON, C.N.HENRY (LASL) FIVE HE3 PROPORTIONAL COUNTER DETECTORS. ACTIVATION TECHNIQUE	8-O -17	1.41+01 1.41+01	1	N,P
3166	PHYS. REV. C, 3, 1798 (1971) J.C.DAVIS, H.H.BARSCHALL (U.WISCONSIN) MONOENERGETIC NEUTRON SOURCES. STANDARD TRANSMISSION MEASURE- MENT. BULL. AM. PHYS. SOC. 15, 475 (1970)	1-H -1 1-H -2	1.50+00 2.75+01 1.50+00 2.75+01	27 27	TOTAL TOTAL
3167	BULL. AM. PHYS. SOC. 12, 106 (1967) C.H.JOHNSON, J.L.FOWLER, R.L.KERNELL, F.D.MARTIN (ORNL) TRANSMISSION	20-CA-40	1.79+00 2.11+00	185	TOTAL
3168	PRIVATE COMMUNICATION (1970) R.B.SCHWARTZ, H.T.HEATON,II, R.A.SCHRACK (NBS) TIME OF FLIGHT TECHNIQUE. TWO SINGLE-CRYSTAL QUARTZ SAMPLES OF 1.576 AND 0.3966 ATOMS/B	8-O -NAT	4.98-01 2.04+01	3449	TOTAL
3169	J. INORG. NUCLEAR CHEM. 24, 1321 (1962) E.T.BRAMLITT, R.W.FINK (U.ARKANSAS) ACTIVATION TECHNIQUE	41-NB-93 41-NB-93 41-NB-93 41-NB-93 41-NB-93	1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01	1 1 1 1 2	N,2N N,2N N,N'A N N,A
3170	ORNL-4549 (1970) W.E.KINNEY, F.G.PEREY (ORNL) VAN DE GRAFF. TIME OF FLIGHT TECHNIQUE. CORRECTED FOR MULTI- PLE SCATTERING. UNSYMMETRIC STANDARD ERRORS DUE TO STRIPPING AS DESCRIBED IN REFERENCE. ERRORS ARE RELATIVE AND DO NOT IN- CLUDE 7 PERCENT EFFICIENCY ERROR. WE HAVE IN GENERAL UTILIZED THE LARGEST ERROR QUOTED. THE ANGLE AVERAGED CONTINUUM	27-CO-59 27-CO-59 27-CO-59 27-CO-59 27-CO-59 27-CO-59	5.00+00 8.56+00 4.19+00 8.56+00 5.00+00 8.56+00 4.19+00 8.56+00 4.19+00 8.56+00 4.19+00 8.56+00	5 38 108 11 105 2271	ELASTIC N,N' ELASTIC D(A) N,N', N,N', N,N', N,N', D(E)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-430 ***

REF.NO.=3170

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3170

REF BIBLIOGR-PHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3170 SPECTRA HAVE BEEN MULTIPLIED BY 4PI, AND PUT ON A B/MEV BASIS

3171 ORNL-4515 (1970) W.E.KINNEY, F.G.PEREY (ORNL)
VAN DE GRAAFF. TIME OF FLIGHT TECHNIQUE. CORRECTED FOR MULTIPLE SCATTERING. UNSYMMETRIC STANDARD ERRORS DUE TO STRIPPING AS DESCRIBED IN REFERENCE. ERRORS ARE RELATIVE AND DO NOT INCLUDE 7 PERCENT EFFICIENCY ERROR. WE HAVE IN GENERAL UTILIZED THE LARGEST ERROR QUOTED. THE ANGLE AVERAGED CONTINUUM SPECTRA HAVE BEEN MULTIPLIED BY 4PI AND PUT ON A B/MEV BASIS

26-FE-NAT 4.50+00 8.56+00 10 ELASTIC
26-FE-NAT 4.19+00 8.56+00 120 N,N'
26-FE-NAT 4.60+00 8.56+00 168 ELASTIC D(A)
26-FE-NAT 4.19+00 8.56+00 408 N,N' D(A)
26-FE-NAT 5.44+00 8.56+00 904 N,N' D(E)

3172 ORNL-4523 (1970) F.G.PEREY, C.C.LE RIGOLEUR, W.E.KINNEY (ORNL)
VAN DE GRAAFF. TIME OF FLIGHT TECHNIQUE. CORRECTED FOR MULTIPLE SCATTERING. UNSYMMETRIC STANDARD ERRORS DUE TO STRIPPING AS DESCRIBED IN REFERENCE. ERRORS ARE RELATIVE AND DO NOT INCLUDE 7 PERCENT EFFICIENCY ERROR. WE HAVE IN GENERAL UTILIZED THE LARGEST ERROR QUOTED. THE ANGLE AVERAGED CONTINUUM SPECTRA HAVE BEEN MULTIPLIED BY 4PI AND PUT ON A B/MEV BASIS

28-NI-60 6.44+00 8.56+00 3 ELASTIC
28-NI-60 6.44+00 8.56+00 5 N,N'
28-NI-60 6.44+00 8.56+00 35 N,N'
28-NI-60 6.44+00 8.56+00 64 ELASTIC D(A)
28-NI-60 6.44+00 8.56+00 61 N,N' D(A)
28-NI-60 6.44+00 8.56+00 368 N,N' D(A)
28-NI-60 6.44+00 8.56+00 690 N,N' D(E)

3173 NUCLEAR SCIENCE AND ENGINEERING 40, 585 (1970) W.P.POENITZ (ANL)
VAN DE GRAAFF. NORMALIZED AT THERMAL. CORRECTED FOR SCATTERING IN BEAM TAKE SUPPORT AND TARGET BACKING. ERRORS - NORMALIZATION 2 PERCENT. STATISTICS 1 TO 2 PERCENT. CORRECTION UNCERTAINTIES 0 TO 3 PERCENT
SEE REF. 3535 FOR RECENT DATA BY THIS AUTHOR.

92-U -238 4.00-01 1.40+00 5 N.FISS C/S RATIO
92-U -238 1.30-01 1.40+00 12 N.O C/S RATIO
94-PU-239 1.50-01 1.40+00 11 N.FISS C/S RATIO

3174 PHYS. REV. C, 2, 990 (1970) J.K.DICKENS
VAN DE GRAAFF. TIME OF FLIGHT TECHNIQUE. GE(LI) DETECTOR. CORRECTED FOR ATTENUATION IN THE SAMPLE. FINITE GEOMETRY. MULTIPLE SCATTERING. PROBABLE ERROR TAKEN TO BE 12 PERCENT BASED ON AUTHORS
ORNL-TM-2883 (1970)

14-Si-NAT 5.35+00 9.00+00 334 N,XO D(A)

3175 ORNL-4539 (1970) F.G.PEREY, W.E.KINNEY (ORNL)
VAN DE GRAAFF. TIME OF FLIGHT. D(D,N) SOURCE LIQUID SCINTILLATOR. CORRECTED FOR MULTIPLE SCATTERING AND FINITE SIZE OF SAMPLE. DELTA E = HALF TOTAL ENERGY SPREAD. ASYMMETRIC ERROR BARS ON CROSS SECTION - LARGER ERROR TAKEN. ERRORS ARE RELATIVE FOR DIFFERENTIAL CROSS SECTION, ABSOLUTE FOR ANGLE-INTEGRATED CROSS SECTION.

16-S -NAT 5.50+00 8.52+00 4 ELASTIC
16-S -NAT 5.00+00 8.52+00 37 N,N'
16-S -NAT 5.50+00 8.52+00 98 ELASTIC D(A)
16-S -NAT 4.19+00 8.52+00 256 N,N' D(A)
16-S -NAT 6.00+00 8.52+00 46 N,N' D(A)

3176 PHYS. REV. C, 3, 1886 (1971) T.L.HOUK (HARVARD U.)
FREE ATOM H CROSS SECTION OBTAINED FROM TOTAL CROSS SECTION IN H GAS BETWEEN 0.3 AND 400 EV

1-H -1 2.30-07 7.05-04 64 TOTAL
1-H -1 0. 0. 1 FREE
6-C -NAT 0. 0. 1 FREE

3177 PHYS. REV. C, 3, 144 (1971) J.N.PALMIERI, J.P.HOLFE (HARVARD U.)
DETECTED PROTONS COUNTER TELESCOPE PLUS FOUR PLASTIC SCINTILLATORS AND A NaI CRYSTAL

1-H -1 1.52+02 1.52+02 13 ELASTIC D(A)

3178 J. NUCLEAR ENERGY 25, 319 (1971) S.K.GHORAI, J.R.COOPER,

22-TI-46 4.10+00 6.10+00 3 N,P

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-431 ***

REF.NO.=3178

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.ND.=3178

REF BIBLIOGRAPHY

		TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3178	J.D.MOORE, W.L.ALFORD (AUBURN U.) ACTIVATION TECHNIQUE. RELATIVE TO $^{27}\text{Al}(n,p)^{27}\text{Mg}$ REACTION (SEE REFERENCE)	22-TI-47 22-TI-48	3.40+00 6.10+00 6.10+00 6.10+00	4 N,P 1 N,P	
3179	NUCLEAR SCIENCE AND ENGINEERING 47, 228 (1972) W.P.POENITZ (ANL) BACK TO BACK GAS SCINTILLATION COUNTERS. ERRORS GIVEN ARE ABSOLUTE	94-PU-239	3.00-02 5.49+00	27 N,FISS	C/S RATIO
3180	PHYS. LETTERS, B, 36, 509 (1971) L.W.JONES, M.J.LONGD, T.P.MC CORRISTON, E.F.PARKER, S.T.POWELL, M.N.KREISLER (BNL) TRANSMISSION COUNTER - TOTAL ABSORPTION SPECTROMETER SYSTEM	1-H -1 1-H -2 4-BE-9 6-C -NAT 13-AL-27 29-CU-NAT 48-CD-NAT 74-W -NAT 82-PB-NAT	1.20+04 2.65+04 1.80+04 1.80+04 2.6+04 2.65+04 1.20+04 2.65+04 2.65+04 2.65+04 1.20+04 2.65+04 2.65+04 2.65+04 2.65+04 2.65+04 1.20+04 2.65+04	4 TOTAL 1 TOTAL 1 TOTAL 4 TOTAL 1 TOTAL 4 TOTAL 1 TOTAL 1 TOTAL 4 TOTAL	
3181	CDD-3058-1 PAGE 11 (1971) C.A.GOULDING, P.STOLER, J.M.CLEMENT (RPI) TIME OF FLIGHT TECHNIQUE. SAMPLE THICKNESS OF 0.3187 ATOMS/B	3-LI-7	7.00-01 2.99+01	601 TOTAL	
3182	J. PHYS. CHEM. SOLIDS 28, 1651 (1967) L.HEATON, M.H.MUELLER, J.M.WILLIAMS (ANL) NEUTRON DIFFRACTION	93-NP-237	0. 0.	1 COHERT	
3183	CAN. J. PHYS. 49, 108 (1971) R.S.MOWATT, W.H.WALKER (CHALK R.) OBSERVED GAMMA RAY SPECTRA FROM THE DECAY OF ^{148}Pm ISOMERS	61-PM-147	2.53-08 2.53-08	2 N,G	SPECT.AV.
3184	PHYS. REV. C, 3, 629 (1971) P.VENUGOPALA RAO, R.E.WOOD, J.M.PALMS, R.W.FINK (GIT) ACTIVATION TECHNIQUE. RELATIVE TO $^{56}\text{Fe}(n,p)^{56}\text{Mn}$ (2.6H) CROSS SECTION OF 100 +/- 6 MB	33-AS-75 33-AS-75 33-AS-75 35-BR-79 35-BR-79 35-BR-81 35-BR-81 35-BR-81 35-BR-81 35-BR-81 37-RB-85 37-RB-85 37-RB-85 37-RB-85 37-RB-87 37-RB-87 37-RB-87 37-RB-87 38-SR-84 38-SR-86 38-SR-88	1.44+01 1.44+01	1 N,2N 1 N,P 1 N,A 1 N,2N 1 N,A 1 N,2N 1 N,2N 1 N,P 1 N,A 1 N,2N 1 N,P 1 N,A 1 N,2N 1 N,P 1 N,A 1 N,2N 1 N,A 1 N,2N 1 N,2N 1 N,2N 1 N,P	
3185	CAN. J. PHYS. 8, 716 (1970) R.W.DURHAM, I MOLSON (CHALK R.)	94-PU-242	2.50-08 2.50-08	1 N,G	SPECT.AV.
REF BIBLIOGRAPHY		TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

*** 3-432 ***

REF.ND.=3185

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3185 ACTIVATION ANALYSIS

- 3186 PHYS. REV. C, 4, 846 (1971) S.KARDONSKY, H.L.FINSTON,
E.T.WILLIAMS (BROOKLYN COLLEGE)
GRIDDED IONIZATION CHAMBER. CROSS SECTIONS RELATIVE TO
C12(N,ALPHA ZERO) CROSS SECTION OF 76 +/- 11 MB. CROSS
SECTIONS WITH NO ERRORS ARE ESTIMATES
10-NE-20 1.43+01 1.43+01 1 N,P
10-NE-20 1.43+01 1.43+01 1 N,A
10-NE-20 1.43+01 1.43+01 7 N,A
10-NE-20 1.43+01 1.43+01 1 N,2A
- 3187 PHYS. REV. C, 4, 1061 (1971) J.C.DAVIS, K.A.HEAVER,
D.HILSCHER, H.H.BARSCHALL, A.B.SMITH (ANL)
TRANSMISSION MEASUREMENTS WITH FIVE DIFFERENT HYDROCARBON
SAMPLES.
BULL. AM. PHYS. SOC. 16, 1180 (1971)
1-H -1 2.53+00 2.53+00 1 TOTAL
- 3188 PHYS. REV. LETTERS 27, 741 (1971) J.ALS-NIELSEN,
O.W.DIETRICH, W.KUNNMANN, L.PASSELL (BNL)
CRYSTAL SPECTROMETER WITH MONOCHROMATIC NEUTRON WAVE LENGTH
OF 1.46 ANGSTROMS
63-EU-153 0. 0. 1 COHERT
- 3189 PRIVATE COMMUNICATION (1972) D.L.SMITH (ANL)
DETECTED ALL INTERNAL CONVERSION ELECTRONS FROM DE-EXCITATION
OF 0.691 MEV LEVEL (0+ TO 0+ TRANSITION). CROSS SECTION
INCLUDES ALL PHOTON TRANSITIONS LEADING TO THIS LEVEL
32-GE-72 6.95+01 4.99+00 180 N,N'
- 3190 PRIVATE COMMUNICATION (1972) W.P.POENITZ, R.J.ARMANI (ANL)
BACK TO BACK GAS SCINTILLATION COUNTER-DETECTED FISSION FRAG-
MENTS. VARIOUS SAMPLE THICKNESSES
J. NUCLEAR ENERGY 26, 483 (1972)
92-U -238 2.00+00 3.00+00 6 N,FISS C/S RATIO
- 3191 PRIVATE COMMUNICATION (1972) C.A.GOULDINO, J.W.CLEMENT,
P.STOLER (RPI)
TIME OF FLIGHT TECHNIQUE
COO-3058-21 PAGE 2 (1972)
3-LI-6 7.00+01 2.98+01 507 TOTAL
- 3192 ORNL-4519 (1970) F.G.PEREY, W.E.KINNEY
VAN DE GRAEFF. TIME OF FLIGHT TECHNIQUE. CORRECTED FOR FINITE
SIZE AND MULTIPLE SCATTERING. RELATIVE ERRORS IN DIFFERENTIAL
CROSS SECTIONS. ABSOLUTE IN INTEGRATED CROSS SECTIONS.
ASYMMETRIC ERROR BARS, LARGER ONE TAKEN
20-CA-NAT 5.50+00 8.52+00 4 ELASTIC
20-CA-NAT 5.00+00 8.52+00 27 N,N'
20-CA-NAT 4.19+00 7.60+00 75 ELASTIC D(A)
20-CA-NAT 8.52+00 8.52+00 19 ELASTIC D(A)
20-CA-NAT 5.00+00 8.52+00 68 N,N' D(A)
20-CA-NAT 6.00+00 8.52+00 69 N,N' D(A)
- 3193 CAN. J. PHYS. 48, 1933 (1970) R.S.MOWATT (CHALK R.)
DEPLETION METHOD USING A GEL(LI) DETECTOR
63-EU-155 2.53-08 2.53-08 1 N,G SPECT.AV.
- 3194 PHYS. LETTERS, B, 36, 557 (1971) D.M.DRAKE, I.BERGQVIST,
D.K.MC DANIELS (LASL)
MEASURED GAMMA-RAY TRANSITIONS. RELATIVE TO P8208(N,GAMMA)
CROSS SECTION
54-GD-NAT 1.40+01 1.40+01 1 N,G
57-HO-165 1.40+01 1.40+01 1 N,G
73-TA-NAT 1.40+01 1.40+01 1 N,G
79-AU-197 1.40+01 1.40+01 1 N,G
82-PB-208 1.40+01 1.40+01 1 N,G
92-U -238 1.40+01 1.40+01 1 N,G
- 3195 PHYS. LETTERS, B, 31, 677 (1970) W.L.LAKIN, E.B.HUGHES,
6-C -NAT 3.80+03 3.80+03 1 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3195 L.H.O'NEILL, J.N.OTIS, L.MANDANSKY (STANFORD U.) 16 GEV ELECTRONS STRIKING A BE TARGET. TIME OF FLIGHT TECHNIQUE	13-AL-27 29-CU-NAT 82-PB-NAT	3.80+03 3.80+03 3.80+03 3.80+03 3.80+03 3.80+03	1 TOTAL 1 TOTAL 1 TOTAL	
3196 PHYS. REV. C, 5, 1 (1972) M.AUMAN, F.P.BRADY, J.A.JUNGERMAN, H.J.KNOX, M.R.MC GIE, T.C.MONTGOMERY (U.CALIFORNIA, DAVIS) TIME OF FLIGHT TECHNIQUE. MULTINEUTRON TELESCOPE DETECTORS	4-BE-9 6-C -NAT 7-N -NAT 8-O -NAT 12-MC-NAT 13-AL-27 14-SI-NAT	3.63+01 5.89+01 2.46+01 5.89+01 3.63+01 5.89+01 2.92+01 5.89+01 3.63+01 5.89+01 2.92+01 5.89+01 2.92+01 5.89+01	5 TOTAL 8 TOTAL 5 TOTAL 7 TOTAL 5 TOTAL 7 TOTAL 7 TOTAL	
3197 NUOVO CIMENTO 65, 675 (1970) J.M.LEBOVITZ, A.R.SAYRES, C.C.TRAIL, B.WEBER, P.ZIRKIND (BROOKLYN COLLEGE AND PICATINNY ARSENAL) ACTIVATION TECHNIQUE. MEASURED RELATIVE TO F-19(N,2N)F-18. GAMMA RAYS DETECTED BY GE(LI)	13-AL-27	1.47+01 1.47+01	1 N.A.	
3198 PHYS. REV. C, 3, 2017 (1971) E.CHEIFETZ, H.R.BOWMAN, J.B.HUNTER, S.G.THOMPSON (LRL BERKELEY) GD-LOADED LIQUID SCINTILLATOR. RELATIVE TO CF-252 NU-BAR 3.72	100-FM-257	-4.96+00-4.96+00	1 NU-PRMT	
3199 NUCLEAR PHYS. 166, 670 (1971) H.A.GRENCH, A.D.W.JONES, R.W.NIGHTINGALE (LOCKHEED) D-T SOURCE, GE(LI) DETECTOR. ACTIVATION TECHNIQUE. UPPER LIMIT ONLY	14-SI-30	1.50+01 1.50+01	1 N.P.	
3200 NUCLEAR PHYS. 170, 193 (1971) G.N.SALAITA (SMU) ACTIVATION TECHNIQUE. D-T SOURCE. GE(LI) DETECTOR	12-MG-24 13-AL-27 13-AL-27 13-AL-27	1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01	1 N.P. 1 N.P. 1 N.A. 1 N.A.	
3201 NUCLEAR SCIENCE AND ENGINEERING 40, 283 (1970) J.K.DICKENS, F.G.PEREY (ORNL) VAN DE GRAAFF. TIME OF FLIGHT TECHNIQUE. GE(LI) DETECTOR. CORRECTED FOR ATTENUATION OF GAMMAS, FINITE GEOMETRY AND MULTIPLE SCATTERING. ESTIMATED 12 PERCENT ERRORS UNLESS STATED OTHERWISE	8-O -16	6.72+00 1.10+01	127 N.X0	D(A)
3202 PHYS. REV. C, 4, 840 (1971) S.KARDONSKY, H.L.FINSTON, E.T.WILLIAMS (BROOKLYN COLLEGE) D-T SOURCE. GRIDDED ION CHAMBER DETECTED ALPHAS. CORRECTED FOR WALL EFFECTS. RELATIVE TO C-12(N,ALPHA-0)=0.076+-0.011 B	6-C -12 18-AR-40 18-AR-40	1.44+01 1.44+01 1.44+01 1.44+01 1.44+01 1.44+01	1 N.A. 1 N.A. 5 N.A.	
3203 PHYS. REV. C, 4, 1818 (1971) S.S.GLICKSTEIN, G.TESSLER, M.GOLOSMITH (BETTS) VAN DE GRAAFF. GE(LI) DETECTOR. CORRECTED FOR FLUX ATTENU- ATION AND MULTIPLE SCATTERING. DELTA EN AT 3.3 MEV = 0.385 MEV, AT 5.6 MEV = 0.110 MEV	40-ZR-90	2.85+00 5.97+00	98 N.N'	
3204 COMPT. REND. 267, 901 (1968) J.BLONS, C.EGGERMANN, A.MICHAUDON (SACLAY)	94-PU-239	4.00-05 2.00-02	7062 N.FISS	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. #3204

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3204 TIME OF FLIGHT TECHNIQUE. RESONANCE PARAMETERS GIVEN IN
REF. 1963 AND 31193205 J. NUCLEAR ENERGY 24, 111 (1970) M.G. CAO, E. MIGNECO,
J.P. THEOBALD, H. MERLA (GEEL)
TIME OF FLIGHT TECHNIQUE. BOTH SPARK CHAMBER AND SCINTILLATOR
DETECTOR USED
NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 419 (1970)92-U -233 1.84-08 3.00-03 5382 N.FISS
92-U -233 4.14-07 1.22-03 35 N.FISS RES. INT.3206 NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 177 (1970) N. AHMED,
M. COPPOLA, H.-H. KNITTER (GEEL)
TIME OF FLIGHT TECHNIQUE. RELATIVE TO HYDROGEN. TOTAL NEUTRON
ENERGY SPREADS BETWEEN 30 AND 45 KEV

6-C -NAT 5.00-01 2.00+00 427 ELASTIC D(A)

3207 NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 301 (1970) Y. TOMITA,
K. TSUKADA, M. MARUYAMA, S. TANAKA (JAPAN)
TIME OF FLIGHT SPECTROMETER. RELATIVE TO HYDROGEN. CORRECTED
FOR MULTIPLE SCATTERING26-FE-NAT 1.42+00 2.15+00 225 ELASTIC D(A)
26-FE-56 1.42+00 2.15+00 225 N.N' D(A)
26-FE-56 1.42+00 2.15+00 225 N.N' D(A)3208 NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 437 (1970) E. MIGNECO,
J.P. THEOBALD, J.A. MARTENA (GEEL)
TIME OF FLIGHT TECHNIQUE. LIQUID SCINTILLATOR. RESONANCE
PARAMETERS REPORTED IN REF. 311594-PU-241 2.72-06 4.04-03 10422 N.FISS
94-PU-241 1.50-05 2.50-04 11 N.FISS SPECT. AV.
94-PU-241 1.00-05 2.00-04 19 N.FISS RES. INT.3209 NUCLEAR PHYS. 198, 430 (1972) P. RIEHS, H.P. AXMANN, J. MURRAY,
B.W. THOMAS (AERE)
GAMMA RAY INTENSITY MEASUREMENT. GE(LI) DETECTOR

73-TA-181 4.30-06 2.00-04 25 RES. PARAM.

3210 PROC. NUCL. PHYS. SOLID STATE PHYS. SYMP. CALCUTTA (1965)
NOTE. IN LIEU OF THE AFOREMENTIONED TITLE, SEE
NUCLEAR PHYSICS SYMPOSIUM. CALCUTTA (1965)3211 NUCLEAR PHYS. 168, 449 (1971) R.G. HELMER, R.C. GREENWOOD,
C.W. REICH (NRIS)
MTR = NEUTRON SOURCE. (LI) DETECTOR. RELATIVE INTENSITIES73-TA-181 2.00-03 2.00-03 70 N.G
73-TA-181 2.50-08 2.50-08 172 N.G SPECT. AV.3212 NP-18536 (1969) P.F.A. GOUDSMIT
THESIS. UNIVERSITY OF AMSTERDAM
PHYS. REV. 158, 1161 (1967) S.B. BURSON, P.F.A. GOUDSMIT,
J. KONJER

73-TA-181 2.50-08 2.50-08 46 N.G SPECT. AV.

3213 BULL. ACAD. SCI. USSR (PHYS. SER.) 32, 1833 (1968)
YA.K. ALKSNIS, M.K. BALODIS, P.T. PROKOF'EV (USSR)

73-TA-181 2.50-08 2.50-08 70 N.G SPECT. AV.

3214 NUCLEAR PHYS. 161, 593 (1971) P.P. BOSCHUNG, J.T. LINDOW,
E.F. SHRADER (CASE W. RES. U.)
VAN DE GRAFF (D.D) NEUTRON SOURCE. SOLID-STATE DETECTORS.
DIFFERENTIAL ELASTIC AND INELASTIC SCATTERING CROSS SECTIONS
BULL. AM. PHYS. SOC. 15, 86 (1970)6-C -NAT 4.04+00 5.59+00 3 TOTAL
6-C -NAT 4.04+00 5.59+00 3 ELASTIC
6-C -NAT 4.04+00 5.59+00 32 ELASTIC D(A)
26-FE-54 4.04+00 5.60+00 3 TOTAL
26-FE-54 4.04+00 5.60+00 3 ELASTIC
26-FE-54 4.04+00 5.60+00 14 N.N'
26-FE-54 4.04+00 5.60+00 30 ELASTIC D(A)
26-FE-54 4.04+00 5.60+00 137 N.N' D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-435 ***

REF. NO. #3214

07/04/76

EC51L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3214

REF BIBLIOGRAPHY

3214

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
26-FE-56	5.05+00 5.05+00	1	TOTAL
26-FE-56	5.05+00 5.58+00	2	ELASTIC
26-FE-56	5.05+00 5.58+00	12	N.N'
26-FE-56	5.05+00 5.58+00	19	ELASTIC D(A)
26-FE-56	5.05+00 5.58+00	95	N.N' D(A)
26-FE-56	5.05+00 5.58+00	19	N.N' D(A)
28-NI-58	5.05+00 5.58+00	2	TOTAL
28-NI-58	5.05+00 5.58+00	2	ELASTIC
28-NI-58	5.05+00 5.58+00	8	N.N'
28-NI-58	5.05+00 5.58+00	20	ELASTIC D(A)
28-NI-58	5.05+00 5.58+00	60	N.N' D(A)
28-NI-58	5.05+00 5.58+00	20	N.N' D(A)
28-NI-60	5.05+00 5.58+00	2	TOTAL
28-NI-60	5.05+00 5.58+00	2	ELASTIC
28-NI-60	5.05+00 5.58+00	8	N.N'
28-NI-60	5.05+00 5.58+00	20	ELASTIC D(A)
28-NI-60	5.05+00 5.58+00	40	N.N' D(A)
28-NI-60	5.05+00 5.58+00	20	N.N' D(A)

3215 PHYS. REV. C, 4, 1466 (1971) A.STOLOVY, A.I.NAMENSON.
T.F.GODLOVE (NAVAL RES.LAB.,WN.D.C.)
TIME OF FLIGHT LINAC NEUTRON SOURCE. RESONANCE NEUTRON
CAPTURE AS DETERMINED BY THE PRODUCTION OF HIGH-ENERGY
CAPTURE GAMMA RAYS

75-RE-185	2.16-06 3.84-04	85	RES.PARAM.
75-RE-187	4.42-06 3.64-04	78	RES.PARAM.

3216 J. INORG. NUCLEAR CHEM. 31, 3721 (1969) G.H.E.SIMS.
D.G.JUHNKE (AEC)
NEUTRON CAPTURE CROSS SECTIONS MEASURED BY ACTIVATION
ANALYSIS. THERMAL NEUTRON SOURCE. LIQUID SCINTILLATOR
DETECTOR

17-CL-35	2.53-08 2.53-08	1	N.O
17-CL-35	2.53-08 2.53-08	1	N,P
17-CL-35	2.53-08 2.53-08	1	N.O SPECT.AV.
17-CL-35	2.53-08 2.53-08	1	N,P SPECT.AV.
17-CL-35	5.00-07 1.00+00	1	N.O RES.INT.
17-CL-35	5.00-07 1.00+00	1	N,P RES.INT.

3217 NUCLEAR SCIENCE AND ENGINEERING 73, 341 (1971) T.E.YOUNG,
F.B.SIMPSON, R.E.TATE (IDAHO NUCLEAR)
MTR FAST CHOPPER NEUTRON SOURCE. METALLIC PU-242 SCATTERER.
TOTAL NEUTRON CROSS SECTION MEASUREMENT

94-PU-242	1.33-09 2.00-06	79	TOTAL
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3218 NUCLEAR SCIENCE AND ENGINEERING 40, 12 (1970) J.W.MEADOWS,
J.F.WHALEN (ANL)
PULSED NEUTRON SOURCE. ABSORPTION CROSS SECTIONS DETERMINED
BY MODERATOR DIE-AWAY TIMES. SEE ALSO REFERENCE 891

3-LI-6	2.53-08 2.53-08	1	ABSORP
5-B-10	2.53-08 2.53-08	1	ABSORP

3219 CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, 1, 292 (1971)
D.W.MUIR, L.R.VEESEER (LASL)
NUCLEAR EXPLOSION TIME-OF-FLIGHT NEUTRON SOURCE. FISSION
FRAGMENT DETECTORS
LA-4648-MS (1971)

90-TH-230	3.00-01 2.96+00	165	N,FISS
90-TH-232	6.38-01 2.96+00	96	N,FISS
91-PA-231	1.00-01 2.96+00	332	N,FISS

3220 PHYS. REV. C, 4, 2249 (1971) R.C.GREENWOOD, C.H.REICH
(IDAHO NUCLEAR)
MTR 2 KEV NEUTRON BEAM. PROMPT GAMMA RAY CAPTURE SPECTRUM.
GE(LI) DETECTOR

82-PB-204	1.95-03 1.95-03	1	N.O
82-PB-204	1.95-03 1.95-03	8	N.O
82-PB-207	1.95-03 1.95-03	1	N.O

REF. BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-436 ***

REF.NO.=3220

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3222

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3222	ORNL-4780 (1972) W.E.KINNEY, F.G.PEREY (ORNL) TIME OF FLIGHT TECHNIQUE WITH VAN DE GRAFF (D.D) NEUTRON SOURCE. LIQUID SCINTILLATOR. ELASTIC AND INELASTIC SCATTERING CROSS SECTIONS. ALTHOUGH THE EXPERIMENTS QUOTE SEPARATE PLUS AND MINUS ERRORS, THE MINUS ERRORS WERE USED IN ECSIL BECAUSE THEY ARE LARGER ON THE AVERAGE THAN THE PLUS ERRORS.	-NAT 6-0 -NAT 8-0 -16 8-0 -16	4.34+00 8.56+00 4.34+00 8.56+00 7.54+00 8.56+00 7.54+00 8.56+00	2 138 3 26	ELASTIC ELASTIC D(A) N,N' N,N' D(A)
3223	PROC.SYMP. PULSED NEUTRON RESEARCH. KARLSRUHE, 1. 165 (1965) L.PAL, L.BOD, Z.SZATHARY (BUDAPEST) D-T SOURCE. ABSORPTION TIMES MEASURED IN SEVEN HYDROGENEOUS LIQUIDS. ERROR APPEARS TO BE STANDARD DEVIATION OF THE MEAN. DETAILED ERROR ANALYSIS NOT GIVEN. A/CONF. 2, 310 (1964) L.PAL, E.KISDI-KOSZO, L.BOD, Z.SZATHARY, I.YIZI	1-H -1	2.53-08 2.53-08	1	N.O
3224	NYO-73-340 PAGE 56 (1970) J.KALYNA, I.J.TAYLOR, L.J.LIDDFSKY (COLUMBIA U.) VAN DE GRAFF SOURCE WITH LI-7(P,N) REACTION. MEASUREMENT OF OXYGEN-16 TOTAL CROSS SECTION AT THE 2.37 MEV MINIMUM. LIQUID SCINTILLATOR DETECTOR NYO-73-293 PAGE 23 (1969)	3-0 -NAT 8-0 -16	2.37+00 2.37+00 2.37+00 2.37+00	1 1	TOTAL TOTAL
3225	CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, 1. 113 (1971) Y.D.HARKER (IDAHO NUCLEAR) FAST REACTOR NEUTRON SPECTRUM. INTEGRAL CAPTURE CROSS SECTIONS KIAMESHA CONF., 614 (1972) Y.D.HARKER, E.H.TURK	43-TC-99 47-AG-107 47-AG-109 49-IN-115 55-CS-133 59-PR-141 67-HO-165 69-TM-169	1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00	1 1 1 1 1 1 1 1	N.O N.G N.G N.G N.O N.G N.G C/S RATIO
3226	PHYS. REV. 185, 961 (1969) Y.ITO, C.O.SHULL (MIT) BRAGG SCATTERING OF POLARIZED NEUTRONS FROM POLARIZED TARGETS TO OBTAIN SPECIFIC SPIN STATES FOR COHERENT SCATTERING IN COBALT	27-CO-59	2.53-08 2.53-08	2	COHERT
3227	NUCLEAR PHYS. 179, 241 (1972) T.R.FISHER, H.A.GRENCH, D.C.HEALEY, J.S.MC CARTHY, D.PARKS, R.WHITNEY (STANFORD U.) POLARIZED COBALT TARGET, NEUTRON TOTAL CROSS SECTIONS SPIN- SPIN EFFECT	27-CO-59 27-CO-59	1.50-01 4.77-01 2.55-01 7.75+00	76 33	TOTAL TOTAL
3228	PRIVATE COMMUNICATION (1972) W.E.KINNEY (ORNL) TIME OF FLIGHT TECHNIQUES. ELASTIC AND INELASTIC SCATTERING. INELASTIC EVENTS ARE IDENTIFIED BY DETECTING THE DE-EXCITA- TION GAMMA RAYS CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, 1. 113 (1971) F.G.PEREY, W.E.KINNEY, R.L.MACKLIN ORNL-4518 (1970)	11-NA-23 11-NA-23 11-NA-23 11-NA-23 11-NA-23 11-NA-23 11-NA-23	5.44+00 8.52+00 5.44+00 8.52+00 5.44+00 8.52+00 5.44+00 8.52+00 5.44+00 8.52+00 5.44+00 8.52+00 8.52+00 8.52+00	4 39 5 94 370 325	ELASTIC N,N' N,N' ELASTIC D(A) N,N' D(A) N,N' D(E,A)
3229	ORNL-4550 (1970) W.E.KINNEY, F.G.PEREY (ORNL) TIME OF FLIGHT TECHNIQUE'S. ELASTIC AND INELASTIC SCATTERING.	12-MG-NAT 12-MG-NAT 12-MG-NAT	5.44+00 8.56+00 5.44+00 8.56+00 5.44+00 8.56+00	4 19 95	ELASTIC N,N' ELASTIC D(A)
REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

*** 3-437 ***

REF.NO.=3229

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3229

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3229	12-MG-NAT	4.19+00 8.56+00	224 N,N'	D(A)
3230 ORNL-4516 (1970) W.E.KINNEY, F.G.PEREY (ORNL) TIME OF FLIGHT TECHNIQUES. ELASTIC AND INELASTIC SCATTERING	13-AL-27 13-AL-27 13-AL-27 13-AL-27 13-AL-27 13-AL-27	5.44+00 8.56+00 4.19+00 8.56+00 7.60+00 7.60+00 5.44+00 8.56+00 4.19+00 8.56+00 7.60+00 8.56+00	4 ELASTIC 75 N,N' 1 N,N' 88 ELASTIC 478 N,N' 17 N,N'	D(A) D(A) D(A) D(A)
3231 ORNL-4517 (1970) W.E.KINNEY, F.G.PEREY (ORNL) CONF. ON NEUTRON C/S TECHNOLOGY. KNOXVILLE, 1, 113 (1971) F.G.PEREY, W.E.KINNEY, R.L.MACKLIN TIME OF FLIGHT TECHNIQUES. ELASTIC AND INELASTIC SCATTERING	14-SI-28 14-SI-28 14-SI-28 14-SI-28	5.44+00 8.56+00 5.44+00 8.56+00 5.4 +00 7.55+00 4.19+00 8.56+00	4 ELASTIC 23 N,N' 73 ELASTIC 243 N,N'	D(A) D(A) D(A)
3232 NUCLEAR SCIENCE AND ENGINEERING 47, 203 (1972) R.W.BENJAMIN, K.W.MAC MURDO, J.D.SPENCER (SAVANNAH R.) REACTOR CORE AND THERMAL COLUMN NEUTRON SOURCES. THERMAL FISSION CROSS SECTIONS AND FISSION RESONANCE INTEGRALS. DUAL FISSION CHAMBER DETECTORS AND PLASTIC FISSION-TRACK RECORDERS CONF. ON NEUTRON C/S TECHNOLOGY. KNOXVILLE, 1, 113 (1971)	96-CM-244 96-CM-244 96-CM-245 96-CM-245 96-CM-245 96-CM-246 96-CM-247 96-CM-247 96-CM-248 96-CM-248 96-CM-249 96-CM-249	2.50-08 2.50-08 6.25-01 1.50+01 2.50-08 2.50-08 6.25-01 1.50+01 2.50-08 2.50-08 6.25-01 1.50+01 2.50-08 2.50-08 6.25-01 1.50+01 2.50-08 2.50-08 6.25-01 1.50+01 2.50-08 2.50-08 6.25-01 1.50+01	1 N,FISS 1 N,FISS 1 N,FISS 1 N,FISS 1 N,FISS 1 N,FISS 1 N,FISS 1 N,FISS 1 N,FISS 1 N,FISS 1 N,FISS 1 N,FISS	RES.INT. RES.INT. RES.INT. RES.INT. RES.INT. RES.INT. RES.INT. RES.INT. RES.INT.
3233 NUCLEAR SCIENCE AND ENGINEERING 41, 146 (1970) C.E.BEMIS, JR., R.E. ORUSCHEL, J.HALPERIN (ORNL) REACTOR NEUTRON SOURCE. PRODUCTION AND REMOVAL RATES IN THE REACTOR USED TO DETERMINE CROSS SECTIONS. SEE ALSO REF.2102	98-CF-252 98-CF-252	2.50-08 2.50-08 2.50-08 2.50-08	1 N,FISS 1 N,O	SPECT.AV. SPECT.AV.
3234 PHYS. REV. C, 4, 2125 (1971) R.M.WILLENZICK, V.R.DAVE, J.A.NELSON (TULANE U.) VAN DE GRAFF (P.T) NEUTRON SOURCE. MEASUREMENT OF DEEXCITA- TION GAMMA RAYS IN THE (N,N' GAMMA) REACTION	33-AS-75	8.00-01 2.20+00	107 N,XO	D(A)
3235 J. NUCLEAR MATERIALS 42, 91 (1972) A.A.BAUER, M.KANGILASKI (BATTELLE MEMORIAL INST. COLUMBUS, OH) (N,ALPHA) CROSS SECTION MEASURED BY THERMAL NEUTRON IRRADIA- TION AND DETECTION OF THE HELIUM PRODUCED	28-NI-59	2.50-08 2.50-08	1 N,A	SPECT.AV.
3236 NUCLEAR PHYS. 171, 31 (1971) G.F.AUCHAMPAUGH, J.A.FARRELL, J.W.BERGEN (LASL) UNDERGROUND EXPLOSION NEUTRON SOURCE. TIME OF FLIGHT TECHNIQUES. SOLID STATE DETECTORS AT ANGLES OF 55 DEGREES AND 90 DEGREES. SEE ALSO REF.943	94-PU-242 94-PU-244	2.00-04 9.57+00 2.05-08 9.65+00	5497 N,FISS 5806 N,FISS	
3237 COO-3058-14 PAGE 5 (1972) C.A.GOULDING, J.M.CLEMENT, F.STOLER (RPI) ELECTRON LINAC TIME OF FLIGHT NEUTRON SOURCE NUCLEAR PHYS. 215, 253 (1973)	2-HE-NAT 2-HE-3	7.01-01 2.96+01 7.00-01 2.99+01	482 TOTAL 976 TOTAL	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-438 ***

REF.NO.=3237

07/04/75

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3238

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3238 PRIVATE COMMUNICATION (1972) C.A. GOULDING (RP1) WITH P. STOLER, S.H. HAYES ELECTRON LINAC TIME OF FLIGHT NEUTRON SOURCE NUCLEAR SCIENCE AND ENGINEERING 50, 243 (1973)	92-U -238	7.00-01 2.99+01	747	TOTAL
3239 ACTA CRYST. B, 27, 2284 (1971) G.H. LANDER, M.H. MUELLER (ANL) THERMAL COLUMN NEUTRON SOURCE. MEASUREMENT OF COHERENT SCATTERING AMPLITUDES FROM DIFFRACTION PATTERN	94-PU-240 94-PU-240 94-PU-242 94-PU-242	2.00-08 8.00-08 2.50-08 2.50-08 7.00-08 7.00-08 2.50-08 2.50-08	1 1 1 1	ABSORP COHERT ABSORP COHERT
3240 PHYS. REV. LETTERS 29, 871 (1972) C.G. SHULL, J.A. OBERTEUFFER (MIT) THERMAL NEUTRON SOURCE. COHERENT SCATTERING AMPLITUDE BY BRAGG REFLECTIONS	14-S1-NAT	2.50-08 2.50-08	1	COHERT
3241 PROC. SYMP. NEUTRON STDS. FLUX NORMALIZATION. ANL, P. 281 (1970) W.P. POENITZ (ANL) ALSO KNOWN AS AEC SYMPOSIUM SERIES 23 (CONF 701002). VAN DE GRAAFF NEUTRON SOURCE. FISSION EVENTS MEASURED IN A SPHERICAL IONIZATION CHAMBER THAT SURROUNDED THE NEUTRON SOURCE	92-U -235	6.52-01 6.44-01	2	N, FISS
3242 J. NUCLEAR MATERIALS 34, 281 (1970) J.L. GREEN, G.P. ARNOLD, J.A. LEARY, N.G. NERESON (LASL) REACTOR NEUTRON SOURCE. NEUTRON DIFFRACTION TO OBTAIN THE COHERENT SCATTERING AMPLITUDE	94-PU-240	2.53-08 2.53-08	1	COHERT
3243 NUCLEAR SCIENCE AND ENGINEERING 45, 297 (1971) V.C. ROGERS, L.E. BEGHIAN, F.M. CLIKEMAN (MIT) VAN DE GRAAFF NEUTRON SOURCE. MEASUREMENT OF GAMMA RAY PRODUCTION CROSS SECTIONS FOR (N,N') GAMMA REACTIONS NUCLEAR PHYS. 144, 81 (1970) V.C. ROGERS, L.E. BEGHIAN, F.M. CLIKEMAN, F.S. MAHONEY	26-FE-56 28-NI-58 28-NI-60 28-NI-62 41-NB-93 41-NB-93 73-TA-181 73-TA-181	9.20-01 1.79+00 1.42+00 1.79+00 1.34+00 1.79+00 1.34+00 1.79+00 7.90-01 1.79+00 7.90-01 1.79+00 2.40-01 1.79+00 2.40-01 1.79+00	10 4 5 5 84 92 79 94	N,N' N,N' N,N' N,N' N,N' N,N' N,N' N,N'
3244 PHYS. REV. C, 3, 208 (1971) D.F. BECKSTRAND, E.B. SHERA (LASL) THERMAL COLUMN NEUTRON SOURCE. CAPTURE GAMMA RAY SPECTRUM MEASURED WITH GE(LI) DETECTOR	19-K -40	2.53-08 2.53-08	1	N,G SPECT. AV.
3245 LA-DC-12954 (1971) J.D. SEAGRAVE, J.C. HOPKINS, R.K. HALTER, A. MILLER, P.W. KEATON, JR., E.C. KERR, R.H. SHERMAN (LASL) VAN DE GRAAFF NEUTRON SOURCE WITH (D,D) AND (D,T) REACTIONS. ELASTIC SCATTERING AND POLARIZATION OF FAST NEUTRONS. PHYS. LETTERS, B, 30, 626 (1969) R.K. HALTER, J.C. HOPKINS, E.C. KERR, J.T. MARTIN, A. MILLER, J.D. SEAGRAVE, R.H. SHERMAN, D.R. DIXON ANN. PHYS. 74, 250 (1972)	1-H -2 1-H -2 1-H -2 1-H -3 1-H -3 1-H -3	5.55+00 2.30+01 1.85+01 2.30+01 5.55+00 2.30+01 6.00+00 2.30+01 1.80+01 2.30+01 6.00+00 2.30+01	8 3 102 6 4 65	ELASTIC NONELAS ELASTIC D(A) ELASTIC NONELAS ELASTIC D(A)
3246 ORNL-TM-3331 (1971) L.W. WESTON, J.H. TODD (ORNL) TIME OF FLIGHT NEUTRON SOURCE. LIQUID SCINTILLATOR NEUTRON DETECTORS	94-PU-239	1.08-05 1.67-04	46	NU-PRMT

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-439 ***

REF. NO. = 3246

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3246

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

- 3246 CONF. ON NEUTRON C/S TECHNOLOGY. KNOXVILLE, 2, 861 (1971)
PHYS. REV. C, 10, 1442 (1974)
- 3247 PHYS. REV. C, 6, 1181 (1972) F.D.MC DANIEL, M.W.MC DONALD,
M.F.STEUBER, R.M.WOOD (U.GEORGIA)
NEUTRON TIME OF FLIGHT TECHNIQUES. NEUTRON-GAMMA COINCIDENCE
TECHNIQUES TO DETERMINE THE NEUTRON SPIN-FLIP PROBABILITY.
BULL. AM. PHYS. SOC. 16, 1163 (1971)
- 3248 CONF. ON NEUTRON C/S TECHNOLOGY. KNOXVILLE, 2, 543 (1971)
D.F.SIMMONS, D.S.CRAMEY, L.CRANBERG (U.VIRGINIA)
PRECISION NEUTRON TOTAL CROSS SECTION MEASURED BY TIME OF
FLIGHT TECHNIQUE
- 3249 NUCLEAR SCIENCE AND ENGINEERING 49, 310 (1972) J.W.MEADOWS
(ANL)
LITHIUM 7 (P.N) NEUTRON SOURCE. FISSION CROSS SECTION RATIOS
NUCLEAR SCIENCE AND ENGINEERING 58, 255 (1975)
- 3250 NUCLEAR SCIENCE AND ENGINEERING 47, 371 (1972) C.E.BEMIS, JR.,
R.E.DRUSCHEL, J.HALPERIN, J.R.WALTON (ORNL)
THERMAL NEUTRON AND CAPTURE RESONANCE INTEGRAL FOR RADIO-
ACTIVE KRYPTON 85
- 3251 PROC. 3RD CONF. NEUTRON C/S TECHNOLOGY. KNOXVILLE (1971)
NOTE.. IN LIEU OF THE AFOREMENTIONED TITLE, SEE
CONF. ON NEUTRON C/S TECHNOLOGY. KNOXVILLE (1971)
- 3252 PRIVATE COMMUNICATION (1972) A.STDOVY, A.I.NAMENSON,
J.C.RITTER, T.F.GODLOVE, G.L.SMITH (NAVAL RES.LAB.)
NEUTRON RESONANCE SPIN DETERMINATIONS
- 3253 KAPL-3974 (1971) G.J.KIRCO, C. H.M.EILAND, C.A.CONRAD,
R.E.SLOVACEK, K.W.SEEHANN (KAPL)
TIME OF FLIGHT NEUTRON SOURCE. SEE REFERENCES 2772 AND 2884
FOR RELATED MEASUREMENTS
- 3254 NASA-TN-D-5628 (1970) C.R.PIERCE, D.F.SHOOK, D.BOGART
(LEHIS RES.CTR.)
REACTOR NEUTRON SOURCE. RESONANCE INTEGRAL FOR TANTALUM
- 3255 PRIVATE COMMUNICATION (1972) H.T.HEATON, II, R.B.SCHWARTZ (NBS)
NBS TIME OF FLIGHT NEUTRON SOURCE. TOTAL CROSS SECTIONS
DATA SUPERSEDED BY PRIVATE COMMUNICATION (1973).
NUCLEAR SCIENCE AND ENGINEERING 54, 322 (1974)
- 3256 PHYS. REV. C, 4, 220 (1971) M.G.SILBERT, D.W.BERGEN (LASL)
NUCLEAR EXPLOSION NEUTRON SOURCE. INVESTIGATION OF SUB-
THRESHOLD FISSION IN U-238

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-440 ***

REF.NO.=3256

REF. NO. - 3257

[illegible]

3257	BRL-R-1562 (1971) W.P.BUCHER, G.E.HULLANDSHORTH, R.O.CAMOREAUX, A.NILLER, R.R.SANKEY, O.ECCLESHELL (BALLISTIC RES. LAB.) (D.D.) NEUTRON SOURCE. ESPECIALLY SHIELDED RING GEOMETRY USED FOR MEASUREMENTS OF SMALL-ANGLE ELASTIC SCATTERING. BULL. AM. PHYS. SOC. 16, 1180 (1971)	6-C -NAT
7-N -NAT
8-C -NAT	7.55+00
7.55+00
7.55+00	9.50+00
9.50+00
9.60+00	8 ELASTIC D(A)
8 ELASTIC D(A)
8 ELASTIC D(A)	
3258	NASA-TN-D-5946 (1970) J.J.SINGH (LANGLEY RES.CTR.) (D.T) NEUTRON SOURCE. SILICON (N,P) AND (N,A) REACTIONS BULL. AM. PHYS. SOC. 15, 1328 (1970)	14-SI-28
14-SI-29
14-SI-30
14-SI-30	1.45+01
1.45+01
1.45+01
1.45+01	1.45+01
1.45+01
1.45+01
1.45+01	1 N,P
1 N,P
1 N,A
1 N,A	
3259	GULF-RT-A-12210 (1972) S.J.FRIESENHANN, A.D.CARLSON, V J. ORPHAN, M.P.FRICKE (GRT) ELECTRON LINAC TIME OF FLIGHT NEUTRON SOURCE. MEASUREMENTS OF BORON 10 ALPHA CROSS SECTIONS INTEL-RT-7011-001 (1974) THIS REPORT SUPERSEDES THE EARLIER RESULTS.	3-LI-6
3-LI-6
5-B -10
5-B -10
5-B -10	2.43-03
1.03-03
2.44-03
2.04-02
9.42-04	1.71+00
1.71+00
1.71+00
9.77-01
9.77-01	152 N,T
178 N,1
152 N,A
56 N,A
61 N,A	C/S RATIO
C/S RATIO
3260	PROC. NUCL. PHYS. SOLID STATE PHYS. SYMP. KANPUR (1967) NOTE.. IN LIEU OF THE AFOREMENTIONED TITLE, SEE NUCLEAR PHYSICS SYMPOSIUM. KANPUR (1967)					
3261	PROC. NUCL. PHYS. SOLID STATE PHYS. SYMP. MADRAS (1968) NOTE.. IN LIEU OF THE AFOREMENTIONED TITLE, SEE NUCLEAR PHYSICS SYMPOSIUM. MADRAS (1968)					
3262	ORNL-TN-3696 (1972) R.B.PEREZ, G.DE SAUSSURE, E.G.SILVER, R.W.INGLE, H.HEAVER (ORNL) ORELA TIME OF FLIGHT NEUTRON SOURCE. FISSION AND CAPTURE CROSS SECTIONS MEASURED SIMULTANEOUSLY. 38.7 METER FLIGHT PATH NUCLEAR SCIENCE AND ENGINEERING 52, 46 (1973)	92-U -235
92-U -235
92-U -235
92-U -235	8.05-06
8.05-06
7.50-05
7.50-05	1.99-04
1.99-04
9.97-03
9.97-03	2430 N,FISS
2404 N,0
199 N,FISS
184 N,0	SPECT. AV.
SPECT. AV.
3263	TRANS. AM. NUCLEAR SOC. 15, 481 (1972) R.GWIN, E.G.SILVER, R.W.INGLE (ORNL) ORELA TIME OF FLIGHT NEUTRON SOURCE. LIQUID SCINTILLATOR AND FISSION DETECTORS ALSO PRIVATE COMMUNICATIONS (1975) AND (1976).	92-U -235
92-U -235
92-U -235
92-U -235
92-U -235
92-U -235
92-U -235
92-U -235
92-U -235
92-U -235
94-PU-239
94-PU-239
94-PU-239
94-PU-239
94-PU-239	7.50-03
8.93-07
8.93-07
1.50-04
1.10-08
2.02-02
1.50-04
1.10-08
2.02-02
1.50-04
7.02-07
7.02-07
1.10-08
7.50-05
1.10-08
1.50-04	1.50-01
1.74-03
1.74-03
1.50-01
1.97-01
9.97-02
9.50-03
1.97-01
9.97-02
1.50-01
1.94-03
1.94-03
1.97-01
1.50-01
1.97-01
1.50-04	11 N,FISS
1702 ABSORP
1702 N,FISS
28 ABSORP
274 ABSORP
160 ABSORP
19 N,FISS
274 N,FISS
160 N,FISS
28 N,0
1944 ABSORP
1949 N,FISS
280 ABSORP
21 N,FISS
251 N,FISS
28 N,0	SPECT. AV.
SPECT. AV.
SPECT. AV.
SPECT. AV.
SPECT. AV.
SPECT. AV.
SPECT. AV.
SPECT. AV.
SPECT. AV.
SPECT. AV.
SPECT. AV.
SPECT. AV.
SPECT. AV.
SPECT. AV.
SPECT. AV.
SPECT. AV.
3264	PHYS. LETTERS, 8, 37, 177 (1971) W.SCHIMMERLING, T.J.DEVLIN.	4-BE-9	3.79+02	1.73+03	15 TOTAL	

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
1	100	100
2	100	100
3	100	100
4	100	100
5	100	100
6	100	100
7	100	100
8	100	100
9	100	100
10	100	100
11	100	100
12	100	100
13	100	100
14	100	100
15	100	100
16	100	100
17	100	100
18	100	100
19	100	100
20	100	100
21	100	100
22	100	100
23	100	100
24	100	100
25	100	100
26	100	100
27	100	100
28	100	100
29	100	100
30	100	100
31	100	100
32	100	100
33	100	100
34	100	100
35	100	100
36	100	100
37	100	100
38	100	100
39	100	100
40	100	100
41	100	100
42	100	100
43	100	100
44	100	100
45	100	100
46	100	100
47	100	100
48	100	100
49	100	100
50	100	100
51	100	100
52	100	100
53	100	100
54	100	100
55	100	100
56	100	100
57	100	100
58	100	100
59	100	100
60	100	100
61	100	100
62	100	100
63	100	100
64	100	100
65	100	100
66	100	100
67	100	100
68	100	100
69	100	100
70	100	100
71	100	100
72	100	100
73	100	100
74	100	100
75	100	100
76	100	100
77	100	100
78	100	100
79	100	100
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82	100	100
83	100	100
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85	100	100
86	100	100
87	100	100
88	100	100
89	100	100
90	100	100
91	100	100
92	100	100
93	100	100
94	100	100
95	100	100
96	100	100
97	100	100
98	100	100
99	100	100
100	100	100

REF. NO. = 3264

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3264

REF BIBLIOGRAPHY

3264 K.H. JOHNSON, K.G. VOSBURGH, R.E. MISCHKE (PRINCETON-PENN. ACC.)
NEUTRON-NUCLEUS TOTAL AND INELASTIC CROSS SECTIONS AT
ENERGIES OF 379 MEV AND ABOVE
PHYS. REV. C, 7, 248 (1973)

TARGET EN. RANGE (MEV) PTS DESCRIPTION

4-BE-9	3.79+02 1.73+03	15 NONELAS
6-C -NAT	3.79+02 1.73+03	15 TOTAL
6-C -NAT	3.79+02 1.73+03	15 NONELAS
13-AL-27	3.79+02 1.73+03	15 TOTAL
13-AL-27	3.79+02 1.73+03	15 NONELAS
26-FE-NAT	3.79+02 1.73+03	15 TOTAL
26-FE-NAT	3.79+02 1.73+03	15 NONELAS
28-NI-NAT	3.79+02 1.73+03	15 TOTAL
28-NI-NAT	3.79+02 1.73+03	15 NONELAS
29-CU-NAT	3.79+02 1.73+03	15 TOTAL
29-CU-NAT	3.79+02 1.73+03	15 NONELAS
30-ZN-NAT	3.79+02 1.73+03	15 TOTAL
30-ZN-NAT	3.79+02 1.73+03	15 NONELAS
47-AG-NAT	3.79+02 1.73+03	15 TOTAL
47-AG-NAT	3.79+02 1.73+03	15 NONELAS
50-SN-NAT	3.79+02 1.73+03	15 TOTAL
50-SN-NAT	3.79+02 1.73+03	15 NONELAS
82-PB-NAT	3.79+02 1.73+03	15 TOTAL
82-PB-NAT	3.79+02 1.73+03	15 NONELAS
83-BI-209	3.79+02 1.73+03	15 TOTAL
83-BI-209	3.79+02 1.73+03	15 NONELAS
92-U -NAT	3.79+02 1.73+03	15 TOTAL
92-U -NAT	3.79+02 1.73+03	15 NONELAS

3265 NUCLEAR PHYS. 186, 12 (1972) J.N. PALMIERI (HARVARD U.)
NEUTRON-DEUTERON SCATTERING AT 152 MEV

1-H -2 1.52+02 1.52+02 10 ELASTIC DATA

3266 J. NUCLEAR ENERGY C6, 403 (1972) R.D. WERNER, D.C. SANTRY
(AEC)
NEUTRON CAPTURE CROSS SECTIONS BY USING REACTOR DEPLETION
METHODS

11-NA-22	2.50+08 2.50+08	1 N.O.	SPECT.AV.
27-CO-58	2.50+08 2.50+08	1 N.O.	SPECT.AV.

3267 UCRL-51263 (1972) J.H. LANORUM, R.J. NAGLE, M. LINONER (LLL)
LIVERMORE THERMAL COLUMN NEUTRON SOURCE. ALPHA PARTICLE
DETECTOR

93-NP-235 2.50+08 2.50+08 1 N.O. SPECT.AV.

3268 ORNL-4800 (1972) E.O. SILVER, R.B. PEREZ, G.D. SAUSSURE
ORELA TIME OF FLIGHT NEUTRON SOURCE, AVERAGED FISSION CROSS
SECTIONS. PRELIMINARY DATA TAKEN WITH 150 METER FLIGHT PATH.
SEE REFERENCE 3262 FOR DATA WITH A SHORTER FLIGHT PATH.
NUCLEAR SCIENCE AND ENGINEERING 55, 203 (1974)

92-U -235 2.02+03 9.99+02 1960 N.FISS SPECT.AV.

3269 ORNL-TM-4059 (1972) G.D. SAUSSURE, E.O. SILVER, R.B. PEREZ,
R.W. INGLE, H. WEAVER (ORNL)
ORELA TIME OF FLIGHT NEUTRON SOURCE. LIQUID SCINTILLATOR
DETECTOR.
CONF. ON NEUTRON C/S TECHNOLOGY, KNOXVILLE, 2, 728 (1971)
TRANS. AM. NUCLEAR SOC. 13, 753 (1970)

92-U -238	1.50+04 9.50+02	27 N.O.	SPECT.AV.
92-U -238	5.18+04 5.95+04	22 RES.PARAM.	

3270 NUCLEAR SCIENCE AND ENGINEERING 44, 180 (1971) H.M. EILAND,
L.J. ESCH, F. FEINER, J.L. MEHWERTER (KAPL)
UNION CARBIDE POOL REACTOR NEUTRON SOURCE. CAPTURE AND

2-ME-NAT	1.76+01 2.37+01	3 ELASTIC	
92-U -233	5.00+07 1.50+01	2 N.FISS	RES.INT.
92-U -233	5.00+07 1.50+01	2 N.O.	RES.INT.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-442 ***

REF.NO.=3270

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3270

REF BIBLIOGRAPHY

3270 FISSION EPITHERMAL RESONANCE INTEGRALS

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
92-U -235	5.00-07 1.50+01	2	N,FISS RES.INT.
92-U -235	5.00-07 1.50+01	2	N,G RES.INT.
94-PU-239	3.00-06 1.50+01	1	N,FISS RES.INT.
94-PU-239	3.00-06 1.50+01	1	N,G RES.INT.
94-PU-241	3.00-06 1.50+01	1	N,FISS RES.INT.
94-PU-241	3.00-06 1.50+01	1	N,G RES.INT.

3271 PHYS. REV. C, 4, 36 (1971) A.NIELER, M.DROSG, J.C.HOPKINS.
J.D.SEAGRAVE, E.C.KERR (LASL)
LASL VAN DE GRAAFF AND TANDEM (D,T) NEUTRON SOURCES WITH
TIME OF FLIGHT TECHNIQUES. LIQUID SCINTILLATOR DETECTOR.
ELASTIC SCATTERING

2-HE-4	1.76+01	2.37+01	43	ELASTIC D(A)
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3272 ANL-7710 PAGE 15 (1971) D.L.SMITH (ANL)
VAN DE GRAAFF (P,L1-7) NEUTRON SOURCE. INELASTIC GAMMA RAY
MEASUREMENTS. IN THE CASE OF THE SODIUM 23 CROSS SECTION FOR
PRODUCING A 440 KEV GAMMA RAY, REFER TO THE REFERENCE FOR THE
STANDARD USED

11-NA-23	7.50-01	1.55+00	50	N,N'
33-AS-75	3.00-01	1.50+00	94	N,XG D(A)

3273 LA-5024-MS (1972) M.G.SILBERT (LASL)
PERSIMMON NUCLEAR EXPLOSION TIME OF FLIGHT NEUTRON SOURCE.
CAPTURE CROSS SECTIONS USING A MOXON RAE GAMMA DETECTOR. SEE
ALSO REFERENCE 2394
NUCLEAR SCIENCE AND ENGINEERING 52, 187 (1973)

94-PU-238	1.77-05	1.99-01	3450	N,G
94-PU-238	1.86-05	4.96-04	1	AV.RES.PARAM.
94-PU-238	1.86-05	4.96-04	147	RES.PARAM.

3274 LA-5042-MS (1972) M.G.SILBERT, R.W.LOUGHEED, J.E.EVANS.
R.W.HOFF (LASL)
UNDERGROUND NUCLEAR EXPLOSION NEUTRON SOURCE. SILICON SEMI-
CONDUCTOR FISSION FRAGMENT DETECTOR FOR (N,F) MEASUREMENTS
NUCLEAR SCIENCE AND ENGINEERING 51, 376 (1973)

98-CF-249	1.30-05	2.69+00	5164	N,FISS
98-CF-249	0.	7.00-05	2	AV.RES.PARAM.
98-CF-249	1.60-05	6.93-05	86	RES.PARAM.

3275 J. NUCLEAR ENERGY, PARTS A/B, 16, 376 (1982) Z.DLOUHY,
J.KVITEK (CZECHOSLOVAKIA)
MEASURED DECAY CONSTANT IN H2O AT 0 DEGREES C AND 20 DEGREES
C. DETAILS NOT GIVEN
CRPP-1203 (AEC-2072) PAGE 44 (1964) R.O.JARVIS (CHALK R.)
RESULT QUOTED. THEORY OF MEASUREMENT GIVEN

1-H -1	2.53-08	2.53-08	1	N,G
1-H -1	2.53-08	2.53-08	1	N,G

3276 CS. CAS. FYS., A, 11, 480 (1961) R.BAYER, J.CERVENA,
Z.DLOUHY, H.SCHAFERLINGOVA (CZECHOSLOVAKIA)
DETAILS IN CZECHOSLOVAKIAN. THERMALIZATION CONSTANT MEASURED
IN H2O. AVERAGE VALUE ENTERED

1-H -1	2.53-08	2.53-08	1	N,G
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3277 CZECH. J. PHYS., 9, 19, 911 (1969) R.BAYER, J.CERVENA,
H.SCHAFERLINGOVA (CZECHOSLOVAKIA)
MEASURED DECAY CONSTANT OF FAST NEUTRONS IN WATER POISONED
WITH LITHIUM SULFATE OR MIXED WITH LOOSE DIPHENYL.
BF3 DETECTOR

1-H -1	2.53-08	2.53-08	1	N,G
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3278 J. NUCLEAR ENERGY, 4, 191 (1970) J.W.BOLDOEMAN, R.L.WALSH
(AERE AUSTRALIA)
SOURCE VAN DE GRAAFF. L1-7(P,N) AND T1P,N), 235U FISSION

92-U -235	0.	1.90+00	15	NU-PHMT
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REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-443 ***

REF.NO.=3278

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3276

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3278 CHAMBER, GD-LOADED SCINTILLATOR. NORMALIZED TO 252CF NU-BAR
(SPONTANEOUS) = 3.782
RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION
OF CF252.

3279 REV. ROUM. PHYS. 12, 43 (1967) N.GRAMA, L.MARINESCU, I.MIHAI,
M.PETRASCU, A.SANDULESCU, G.VOICULESCU (BUCHAREST)
THERE IS ALSO A PVT. COMM. FROM BALLY (1970) VIA NNCSO.
REACTOR NEUTRON CHOPPER, GAS SCINTILLATION COUNTER FOR
FISSION FRAGMENTS. CORRECTED FOR BACKGROUND

15-P -31 1.48+01 1.48+01 1 N,2N
94-PU-239 7.60-10 3.97-09 38 N,FISS

3280 REV. ROUM. PHYS. 12, 907 (1967) V.MATEICIUC, L.ALDEA,
M.CONSTANTINESCU, GH.ORISTEA, T.STADNIKOV (BUCHAREST)
THERE IS ALSO A PVT. COMM. FROM V.MATEICIUC (1970) VIA NNCSO.
FAST CHOPPER, TIME OF FLIGHT, CRYSTAL SCINTILLATORS

51-SB-NAT 5.0-08 3.09-06 32 TOTAL
51-SB-121 6.24-08 2.97-05 6 RES.PARAM.
51-SB-121 6.24-08 2.97-05 3 RES.PARAM.
51-SB-123 2.16-05 2.97-05 2 RES.PARAM.
51-SB-123 2.16-05 2.16-05 1 RES.PARAM.

3281 NUCLEAR PHYSICS SYMPOSIUM, KANPUR, PAGE 325 (1967)
D.M.NADKARNI, B.R.BALLAL (BARC BOMBAY)
THERE IS ALSO A PVT. COMM. FROM D.M.NADKARNI (1969) VIA NNCSO
SOURCE T(P,N) VAN DE GRAAFF, ENERGY DEPENDENT NU VALUES
OBTAINED FROM ENERGY BALANCE EQUATION AND KINETIC ENERGY
DIFFERENCES. ENTERED AS PROMPT NU-BAR ALTHOUGH MAY BE TOTAL

92-U -235 3.70-01 2.13+00 21 NU-PRMT

3282 NUCLEAR PHYS. 139, 10 (1969) B.ANTOLKOVIC, J.HUDOMALJ,
B.JANKO, G.PAIC, M.TURK (YUGOSLAVIA)
SOURCE T(D,N), COCKROFT-WALTON, FLUX DETERMINED BY ASSOCIATED
ALPHAS. DETECTOR TELESCOPE; PROPORTIONAL COUNTER PLUS SURFACE
BARRIER. ANGLE-INTEGRATED CROSS SECTIONS FROM DIFFERENTIAL
DATA

5-B -10 1.44+01 1.44+01 3 N.A
5-B -10 1.44+01 1.44+01 17 N.A D(A)

3283 NUCLEAR DATA FOR REACTORS. HELSINKI, 2, 103 (1970) E.BARNARD,
J.A.M.DE VILLIERS, D.REITHMANN (SO.AFRICA)
SOURCE T(LI,P,N), VAN DE GRAAFF, TIME OF FLIGHT, CYLINDRICAL
SAMPLE OF NATURAL URANIUM, PLASTIC SCINTILLATOR DETECTOR.
FLUX MONITORED BY LONG COUNTER, CARBON STANDARD, ALL CORRECT-
ED FOR MULTIPLE SCATTERING, FLUX ATTENUATION, SECOND NEUTRON
GROUP FROM SOURCE. ERRORS INCLUDE 5 PERCENT FOR EFFICIENCY
UNCERTAINTY

92-U -238 1.25-01 1.25+00 93 N,N' D(A)
92-U -238 2.00-01 1.10+00 36 N,N' D(A)

3284 PROC.2ND IAEA SYMP. PHYS. CHEM. FISSION, VIENNA (1969)
NOTE.. IN LIEU OF THE AFOREMENTIONED TITLE, SEE
PHYS. AND CHEM. OF FISSION, IAEA, VIENNA (1969)

3286 INTERNATIONAL CONF. ON NUCLEAR PHYSICS, PARIS, 2, 244 (1964)
I.SLAUS, J.TUDORIC-CHEMO, V.VALKOVIC, D.RENDIC, P.TOMAS,
M.CERINEO (ZAGREB)
D-T SOURCE. COUNTER TELESCOPE DETECTED DEUTERONS

1-H -1 1.44+01 1.44+01 1 N.O

3287 PRIVATE COMMUNICATION (1967) F.G.ARMITAGE (AUSTRALIA)
VIA NNCSO. D-D SOURCE. (NO OTHER DETAILS.)

22-TI-47 2.19+00 3.64+00 5 N,P
28-NI-58 2.19+00 3.64+00 6 N,P
30-ZN-NAT 2.19+00 3.64+00 6 N,P

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-444 ***

REF.NO.=3287

07/04/76

ECSIL-7500 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3288

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3288 CHINESE J. PHYS. 6, 74 (1968) C.Y.YANG, S.-C.LIN, C.S.LIN, M.D.TANG, P.P.Y.MA, Y.H.LEE, J.P.CHEN (TAIWAN) D-D SOURCE. TIME OF FLIGHT. NE-213 DETECTOR. TRANSMISSION. SEE ALSO CHINESE J. PHYS. 5, 43 (1967) H.H.KAO, S.-C.LIN, C.S.LIN, T.J.LEE, M.D.TANG, P.P.Y.MA, Y.H.LEE, J.P.CHEN FOR EXPERIMENTAL DETAILS.	12-MG-NAT 82-PB-NAT	5.20+00 6.20+00 5.36+00 6.20+00	28 TOTAL 21 TOTAL	
3289 CHINESE J. PHYS. 5, 43 (1967) H.H.KAO, S.-C.LIN, C.S.LIN, T.J.LEE, M.D.TANG, P.P.Y.MA, Y.H.LEE, J.P.CHEN (TAIWAN) O-D SOURCE. TIME OF FLIGHT. TRANSMISSION. NE-213 DETECTOR	16-S -NAT 74-W -NAT	5.36+00 6.28+00 5.36+00 6.28+00	24 TOTAL 24 TOTAL	
3290 NUCLEAR SCIENCE AND APPLICATIONS 4, 3 (1968) H.HUSSAIN, E.ISLAM, N.AMEEN (PAKISTAN) T(P,N) SOURCE. NE451 DETECTOR (2N 51A0) PLUS HYDROGENOUS PLASTIC BINDING). TRANSMISSION	64-OD-NAT	1.00+00 2.00+00	34 TOTAL	
3291 IFA-NR-33 (1970) C.BORCEA, A.BORZA, A.BUTA, A.ISBASESCU, L.MARINESCU, I.MIHAI, T.NASCUTIU, M.PETRASCU, V.SAVU, V.SIMION (BUCHAREST) REACTOR, TIME OF FLIGHT, GAS SCINTILLATION COUNTER DETECTED FISSION FRAGMENT. NORMALIZED TO B-10(IN,ALPHA) LI-7*(0.477 MEV)-DETECTED GAMMA RAY. CORRECTED FOR ATTENUATION, GEOMETRY. ERRORS INCLUDE STATISTICS, EFFICIENCIES AND UNIFORMITY OF TARGET IFA-NR-47-1973 (1973)	92-U -235 92-U -235 94-PU-239	2.53+08 2.53+08 2.53+08 2.53+08 2.52+08 2.52+08	1 N.FISS 1 N.FISS 1 N.FISS	
3292 CHINESE J. PHYS. 6, 1 (1968) Y.-C.HSU, C.Y.HUANG, C.C.CHANG (TAIWAN) D-T SOURCE. CLOUD CHAMBER DETECTOR. CORRECTED FOR D-16(IN, ALPHA). CHINESE J. PHYS. 6, 119 (1968) Y.-C.HSU, C.Y.HUANG, S.-Y.LIN, H.-T.CHOU, Y.T.HSU	7-N -14 7-N -14 7-N -14 7-N -14	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	4 N.A 1 N.A 72 N.A 18 N.A	0(A) 0(A)
3293 NUCLEAR PHYS. 67, 443 (1965) J.BATSO, J.CSIKAI, B.KARDON, D.KISS (DEBRECEN) NEUTRON SOURCES... REACTOR (THERMAL), SB-BE(0.024 MEV), NA-BE(0.830 MEV), LA-BE(0.620 MEV), LA-D2O(0.130 MEV), NA-D2O(0.220 MEV), D-O(2.1 AND 3.1 MEV). ACTIVATION	35-BR-79	2.50+08 3.10+00	8 N.O	C/S RATIO
3294 J. NUCLEAR ENERGY 21, 375 (1967) J.CSIKAI, S.NAGY (DEBRECEN) D-T SOURCE. TRACT DETECTOR. (NO INFORMATION ON ERRORS.)	92-U -238	1.47+01 1.47+01	8 N.FISS	0(A)
3295 PRIVATE COMMUNICATION (1970) E.BARNARD, J.A.M.DE VILLIERS, O.REITHMANN, I.W.TEPEL (SO.AFRICA) VIA NNCSC. LI-7(P,N) SOURCE. CORRECTED FOR OXYGEN CONTAMINA- TION AND MULTIPLE SCATTERING. TIME OF FLIGHT. ELASTIC SCAT- TERING INCLUDES INELASTIC FROM FIRST EXCITED STATE Z. PHYSIK 245, 36 (1971)	21-SC-45 21-SC-45 21-SC-45 21-SC-45	2.00+01 1.40+00 2.00+01 1.40+00 5.60+01 1.40+00 2.00+01 1.40+00	524 TOTAL 64 ELASTIC 198 N.N 256 ELASTIC LEADEN.COEF	0(A)
3296 NUCLEAR PHYS. 26, 193 (1961) K.G.NAIR, K.N.IYENGAR, R.RAMANNA	13-AL-27	1.42+01 1.42+01	75 N.XP	E1-E2,A1-A2

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-445 ***

REF.NO.=3288

REF. NO. - 3296

[illegible]

3296	(BOMBAY) D-T SOURCE. EMULSION DETECTOR. CORRECTED FOR PROTON ENERGY LOSS IN TARGET	13-AL-27	1.42+01	1.42+01	23 N,XP	E1-E2
3297	NUCLEAR PHYSICS SYMPOSIUM,MADRAS,PAGE 38 (1968) M.P.NAVALKAR (BOMBAY) CRYSTAL SPECTROMETER (NO OTHER INFORMATION).	45-RH-103 49-IN-115	0. 1.45-06	1.25+00 1.45-06	3 RES.PARAM. 3 RES.PARAM.	
3298	NUCLEAR PHYS. 148, 312 (1970) D.MILJANIC, M.FURIC, V.VALKOVIC (ZAGREB) D-T SOURCE. FLUX DETERMINED BY ASSOCIATED ALPHA COUNTING. THIN ISOTOPIC TARGET. COUNTER TELESCOPE OF GAS PROPORTIONAL COUNTERS AND CS-11(TL) SCINTILLATOR. NORMALIZED TO LI-7IN(D) HE-6(10.5.) 0 DEGREES MEASUREMENT OF V.VALKOVIC (NUCL. PHYS. 60, 581 (1964)). ONLY HIGH ENERGY TRITONS ARE INCLUDED. STATISTICAL ERRORS ONLY.	3-LI-7 3-LI-7	1.44+01 1.44+01	1.44+01 1.44+01	8 N,O 7 N,XT	D(A) D(A)
3299	NUCLEAR PHYS. 156, 193 (1970) D.MILJANIC, V.VALKOVIC, D.RENDIC, M.FURIC (ZAGREB) D-T SOURCE. THIN ISOTOPIC TARGET. COUNTER TELESCOPE OF GAS PROPORTIONAL COUNTERS AND CS-11(TL) SCINTILLATOR. N-P SCATTERING STANDARD	5-B-11	1.44+01	1.44+01	6 N,T	D(A)
3300	ACTA PHYSICA ACAD. SCI. HUNGARICAE 20, 87 (1967) J.ANGELI, J.CSIKAI, I.MUNYADI (DEBRECEN) D-T SOURCE. STILLBENE DETECTOR. TRANSMISSION METHOD. FOR EXPERIMENTAL DETAILS, SEE NUCLEAR PHYS. 119, 525 (1968)	4-BE-9 5-B-NAT 6-C-NAT 9-F-19 11-NA-23 12-MG-NAT 13-AL-27 14-SI-NAT 15-P-31 17-CL-NAT 19-K-NAT 20-CA-NAT 25-MN-55 26-FE-NAT 32-GE-NAT 52-TE-NAT 53-I-127	1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01	1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01	1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL	
3301	NUCLEAR PHYS. 121, 655 (1968) L.M.SPITZ, E.BARNARD, F.D.BROOKS (SO.AFRICA) LI-7(P,N) SOURCE. ELEMENTAL TARGETS. MOKON-RAE DETECTOR. CORRECTED FOR DETECTOR EFFICIENCY. TIME OF FLIGHT USED TO ELIMINATE BACKGROUND. THE ENERGY RESOLUTION VARIES WITH NEUTRON ENERGY. BASICALLY NORMALIZED TO 11IN.GAMMA) OF GIBBONS ET AL. (PHYS.REV.122,102(1961)) AT 30 KEV. MINOR CORRECTIONS MADE BY PVT.COMM.1969IF.O.BROOKS VIA NNCSC	24-CR-NAT 24-CR-NAT 25-MN-55 25-MN-55 28-NI-NAT 28-NI-NAT 41-KO-93 47-AG-NAT 47-AG-NAT 49-IN-NAT 51-SO-NAT	6.12-03 1.40-02 9.12-03 1.40-02 9.12-03 9.12-03 0.00-03 0.00-03 9.00-03 0.00-03 0.00-03 1.10-02	9.40-02 5.00-02 4.55-02 5.00-02 1.2-01 3.00-02 3.00-02 9.40-02 3.00-02 3.00-02 7.30-02	34 N,O 1 AV.RES.PARAM. 29 N,O 1 AV.RES.PARAM. 37 N,O 2 AV.RES.PARAM. 1 AV.RES.PARAM. 47 N,O 1 AV.RES.PARAM. 1 AV.RES.PARAM. 12 N,O	

[illegible]

REF. NO. 3301

07/04/76

EC51L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3301

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3301	50-117 79-AU-197 79-AU-197	9.00-03 1.52-02 8.00-03	3.00-02 5.59-02 3.00-02	1 AV.RES.PARAM. 18 N.G. 1 AV.RES.PARAM.
3302 INDC(MUN)-1 PAGE 1 (1970) J.CSIKAI (DEBRECENI) ACTIVATION. DETECTED GAMMAS. IN 115(IN,N) 1N-115*(H.S.) STANDARD = 0.340 B AT 2.8 MEV, 0.063 AT 14.7 MEV YAO, FIZ. 15, 412 (1972) SOVIET J. NUCLEAR PHYS. 15, 232 (1972)	45-RH-103 49-IN-113 49-IN-115	1.47+01 2.80+00 1.47+01	1.47+01 1.47+01 1.47+01	1 N,N' 2 N,N' 1 N,N'
3303 INDC(MUN)-1 PAGE 2 (1970) J.CSIKAI (DEBRECENI) STANDARD U-238(N-F) = 1.186. TRACK DETECTION NUCLEAR PHYS. 173, 571 (1971)	93-TH-232 92-U-238	1.41+01 1.41+01	1.41+01 1.41+01	21 N.FISS D(A) 21 N.FISS D(A)
3304 ATOMKI KOZLEMENYEK 8, 3 (1966) J.CSIKAI, S.NAGY (DEBRECENI) D-T SOURCE, CLOUD CHAMBER, UPPER LIMIT TO CROSS SECTION OF L1-7(N,ALPHA)H4. SEE ALSO ATOMKI KOZLEMENYEK 7, 79 (1966)	3-L1-7	1.47+01	1.47+01	1 N,A
3305 NUCLEAR PHYS. 47, 473 (1963) H.S.HANS, R.K.MOHINDRA (INDIA) DATA TAKEN FROM PRIVATE COMMUNICATION. INCONSISTENT WITH FIGURES 1 AND 3 OF REFERENCED ARTICLE BUT WITHIN ERROR BARS OF FIG. 3. D-T SOURCE, COUNTER TELESCOPE OF TWO PROPORTIONAL COUNTERS AND ONE CS-1 SCINTILLATOR PLUS PROPORTIONAL COUNTER IN ANTICOINCIDENCE. ANGULAR SPREAD IS ≈ 17 DEGREES (≈ 30 DEGREES FOR GOLD). ERRORS IN CROSS SECTIONS VARY FROM 10 TO 20 PERCENT FROM FORWARD TO BACK ANGLES	49-IN-115 49-IN-115 79-AU-197	1.48+01 1.48+01 1.48+01	1.48+01 1.48+01 1.48+01	60 N,XP 12 N,XP 16 N,XP D(C,A) C1-E2,D(A) D(C,A)
3306 AAEC-TH-443 (1968) R.N.WHITEM (AUSTRALIA) REACTOR. ISOTOPICALLY ENRICHED SM-148 SAMPLE. MEASURED SM-149/SM-148 AND SM-150/SM-149 RATIOS WITH MASS SPECTRO- METER. SHELVE SHIELDING NEGLIGIBLE. 2200 MYS VALUE OBTAINED BY ASSUMING WESTCOTT G=1, S-LT.20, AND R=0.0004	62-SM-148 62-SM-148 62-SM-149	2.53+08 2.50+08 2.50+08	2.53+08 2.50+08 2.50+08	1 N,O 1 N,O 1 N,O SPECT.AV. SPECT.AV.
3307 NUCLEAR PHYSICS SYMPOSIUM, KANPUR, PAGE 367 (1967) B.MITRA (CALCUTTA) D-T SOURCE. ACTIVATION. ERROR INCLUDES BOTH STATISTICAL AND SYSTEMATIC ERRORS. FOR EXPERIMENTAL DETAILS, SEE NUCLEAR PHYS. 93, 157 (1966) B.MITRA, A.M.GHOSE SEE ALSO NUCLEAR PHYSICS SYMPOSIUM, CALCUTTA, PAGE 145 (1965) AECT-267 PAGE 62 (1966)	17-CL-37 29-CU-65 33-AS-75	1.41+01 1.41+01 1.41+01	1.48+01 1.48+01 1.48+01	2 N,P 2 N,P 2 N,P
3308 NUCLEAR PHYS. 110, 225 (1968) D.VESELIC, J.TUDORIC-OKEMO (ZAGREB) D-T SOURCE. THIN TARGET. DETECTOR TELESCOPE OF TWO PROPOR- TIONAL COUNTERS AND A SURFACE BARRIER DETECTOR	45-RH-103 45-RH-103 49-IN-115	1.44+01 1.44+01 1.44+01	1.44+01 1.44+01 1.44+01	3 N,A 57 N,A 15 N,A D(A) D(C,A) D(C,A)
3309 BARC-260 (1967) G.R.REDDY, M.SANKAR DAS (BOMBAY) FAST REACTOR (A SPARE SWIMMING POOL AT BARC). ACTIVATION. FAST FISSION SPECTRUM AVERAGE. STANDARD WAS AV. SIGMA (N1-58(IN,P)) = 0.085 B	9-F-19	2.00+00	2.00+00	1 N,2N SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-447 ***

REF. NO. = 3309

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3310

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3310 AECD-MISC-2 PAGE 11 (1969) M.HUSSAIN, E.ISLAM, M.ENAYETULIAH, N.AMEEN, M.I.MOLLA, M.FAROOQUE (EAST PAKISTAN) T(P,N) SOURCE. TRANSMISSION. ERROR IS STATISTICAL (STANDARD DEVIATION). EXPERIMENTAL DETAILS ONLY. SEE INDC-284 PAGE 1 (1969)	39-Y -89 40-ZR-NAT 57-LA-139 58-CE-NAT 59-PR-141 64-GD-NAT 67-HO-165 73-TA-NAT 80-HG-NAT	1.00+00 2.00+00 1.00+00 2.00+00 1.00+00 2.00+00 1.01+00 2.01+00 1.00+00 2.00+00 1.00+00 2.00+00 1.00+00 2.00+00 1.00+00 2.00+00 1.00+00 2.00+00	101 101 101 101 101 101 101 101 101	TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL
3311 KERNENERGIE 14. 73 (1971) G.HUTTEL (GERMANY) PILE OSCILLATOR. E-MIN, E-MAX NOT GIVEN. SET E-MIN = 0.0. E-MAX = 20.0 MEV	27-CO-59 45-RH-103 47-AG-NAT 49-IN-NAT 66-DY-NAT 81-TL-NAT	0. 2.00+01 0. 2.00+01 0. 2.00+01 0. 2.00+01 0. 2.00+01 0. 2.00+01	1 1 1 1 1 1	ABSORP RES.INT. ABSORP RES.INT. ABSORP RES.INT. ABSORP RES.INT. ABSORP RES.INT. ABSORP RES.INT.
3312 J. INORG. NUCLEAR CHEM. 29, 267 (1967) H.C.JAIN, M.V.RAMANIAH, C.L.RAO, S.PRAKASH (BOMBAY) REACTOR. SR-91 PRODUCED IN FISSION. YIELD ASSUMED EQUAL FOR RA-223 AND URANIUM	88-RA-223	2.50-08 2.50-08	1	N,FISS SPECT.AV.
3313 YAD. FIZ. 12, 474 (1970) P.E.VOROTNIKOV, S.M.DUBROVINA, G.A.OTROSHCHENKO, V.A.SHIGIN, A.V.DAVYDDV, E.S.PAL'SHIN (USSR) TRANSLATED IN SOVIET J. NUCLEAR PHYS. 12, 259 (1971) NEUTRON SOURCES. LI-7(P,N), T(P,N). GLASS DETECTOR FOR FISSION FRAGMENTS. RELATIVE ERRORS. (ABSOLUTE ARE 15 PERCENT.)	92-U -232	1.25-01 1.48+00	22	N,FISS
3314 NUCLEAR DATA FOR REACTORS. HELSINKI, 2, 157 (1970) M.V.SAVIN, YU.A.KHOKHLOV, YU.S.ZAMYATIN LINAC. TIME OF FLIGHT. LIQUID SCINTILLATOR WITH VOLUME 400 L. CORRECTED FOR ANGULAR DISTRIBUTION OF FISSION NEUTRONS. SHAPE OF FISSION NEUTRON SPECTRUM. MULTIPLICATION, IMPURITIES. STANDARD IS NU-BAR(CF-252-SPONTANEOUS) = 3.772 RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION OF CF252.	92-U -235 94-PU-239 94-PU-240	6.50-01 6.60+00 8.90-01 4.70+00 1.08+00 3.94+00	37 41 24	NU-PRMT NU-PRMT NU-PRMT
3315 FEI-292 (1971) V.B.CHELNOKOV, V.A.TOLSTIKOV, YU.YA.STAVISSKII, A.A.BERGMAN, A.E.SAMSONOV INDC(CCP)-32/U PAGE 8 (1973) ATOMNAYA ENERGIYA 31, 103 (1971) LEAD SLOWING DOWN SPECTROMETER.	47-AG-NAT 79-AU-197 90-TH -232 92-U -235 92-U -238 94-PU-239 94-PU-239 94-PU-239 94-PU-239	2.00-04 3.46-02 2.00-04 3.46-02 2.00-04 3.46-02 2.00-04 3.46-02 2.00-04 3.46-02 2.00-04 3.46-02 2.00-04 6.00-03 2.00-04 6.00-03 2.00-04 6.00-03 2.00-04 3.46-02	26 26 26 26 26 26 22 22 26 26	N.O N.O N.O N,FISS N.O N,FISS N.O N.O ALPHA N,FISS C/S RATIO
3316 ICD-5 (1968) V.P.VERTEBNII, M.F.VLASOV, V.V.KOLOTLII, A.L.KIRILYUK, M.V.PASECHNIK, Z.I.PISANKO, N.L.GNIDAK, A.I.KALCHENKO (KIEV)	68-ER-NAT 68-ER-NAT 68-ER-162	2.53-08 2.53-08 2.37-05 2.76-04 1.16-08 1.12-07	1 14 121	ELASTIC RES.PARAM. TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-448 ***

REF.NO.=3316

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3316

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3316 ATOMNAYA ENERGIYA 15, 247 (1963) UKR. FIZ. ZH. 8, 947 (1963) TRANSLATED IN UKR. PHYS. J. 11, 241 (1966) IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 31, 353 (1967) TRANSLATED IN BULL. AKAD. SCI. (USSR) PHYS. SER. VF1-1 PAGE 25 (1965) SLOW DROPPER. TIME OF FLIGHT. TRANSMISSION. CORRECTED FOR MAGNETIC SCATTERING FOR ER++, ERRORS ARE STATISTICAL	68-ER-162 68-ER-162 68-ER-162 68-ER-162 68-ER-164 68-ER-164 68-ER-166 68-ER-166 68-ER-166 68-ER-166 68-ER-167 68-ER-167 68-ER-167 68-ER-167 68-ER-167 68-ER-168 68-ER-168 68-ER-170 68-ER-170 68-ER-170	2.53-08 2.53-08 2.53-08 2.53-08 7.00-06 1.32-04 7.60-06 1.32-04 2.53-08 2.53-08 7.95-06 7.95-06 1.16-08 1.12-07 2.53-08 2.53-08 2.53-08 2.53-08 1.56-05 1.56-05 1.16-08 1.12-07 2.53-08 2.53-08 2.53-08 2.53-08 4.00-07 6.30-05 5.97-05 6.27-05 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 9.45-05 9.45-05	1 1 1 10 1 1 12 1 1 1 12 1 1 2 15 1 1 1 1 1	ELASTIC N.O. AV. RES. PARAM. RES. PARAM. ELASTIC RES. PARAM. TOTAL ELASTIC N.O. RES. PARAM. TOTAL ELASTIC N.O. AV. RES. PARAM. RES. PARAM. ELASTIC N.O. ELASTIC N.O. RES. PARAM.
3317 JINR-P3-5609 (1971) M. MALECKY, L. B. POKL'NER, I. M. SALAMATIN, E. I. SHARAPOV (MUBNA) FAST PULSED REACTOR WITH LINEAR ACCELERATOR. NATURAL URANIUM SAMPLE. TIME OF FLIGHT. DELTA ENERGY DETERMINED BY RESOLUTION	92-U -23B	6.60-05 1.19-03	69	RES. PARAM.
3318 PROC. CONF. ON NEUTRON PHYS. KIEV (1971) V. N. KONONOV, E. D. POLETAEV, YU. S. PROKOPEYS, A. A. METLEV, YU. YA. STAVISKII (OBHINSKI) LI-7(P,N) AND TI(P,N) SOURCE. TIME OF FLIGHT. EXPERIMENTAL DETAILS. CO-LOADED LIQUID SCINTILLATOR. ERRORS ARE TOTAL MEAN SQUARE ERRORS ATOMNAYA ENERGIYA 32, 05 (1972)	92-U -235 94-PU-239	1.24-02 1.10+00 9.40-03 1.00+00	47 52	ALPHA ALPHA
3320 ATOMKERNENERGIE 20, 309 (1972) M. BLOSER 4PI-GO-LIQUID SCINTILLATOR USING DOUBLE PULSE TECHNIQUE. CORRECTED FOR MULTIPLE SCATTERING	4-BE-9	2.37+00 3.34+00	6	N, 2N
3321 PHYS. DEPT. REPORT 73-02 (1973) D. R. WEAVER, J. WALKER (UNIV. OF BIRMINGHAM) SHELL TRANSMISSION MEASUREMENTS. CORRECTED FOR MULTIPLE SCATTERING J. PHYS. D: APPL. PHYS. 7, 1122 (1974)	4-BE-9	2.46+00 3.92+00	9	NONELAS
3322 NUCLEAR PHYS. 154, 361 (1969) J. C. DAVIS, F. T. NODA (WISCONSIN) WISCONSIN EMPEROR TANDEM NEUTRON SOURCE. NEUTRON TRANSMISSION MEASUREMENTS	6-C -12 8-O -16 10-NE-20	4.93+00 7.75+00 3.76+00 7.20+00 3.18+00 6.55+00	4 6 5	RES. PARAM. RES. PARAM. RES. PARAM.
3323 ORNL-4706 (1971) J. HALPERIN, C. E. BEMIS, JR., R. E. DRUSCHEL, R. E. EBY (ORNL) THERMAL AND EPITHERMAL NEUTRON SOURCES. NA-1 DETECTOR. CROSS SECTIONS AND RESONANCE INTEGRALS FOR NEUTRON CAPTURE	98-CF-249 98-CF-249 98-CF-250 98-CF-250	2.50-08 2.50-08 5.00-07 1.50+01 2.50-08 2.50-08 5.00-07 1.50+01	1 1 1 1	N.O. N.O. RES. INT. N.O. RES. INT.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-449 ***

REF. NO. = 3323

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3323

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
3323	98-CF-251	2.50-08 2.50-08	1 N.O.
	98-CF-251	5.00-07 1.50+01	1 N.O. RES. INT.
3324 PHYS. REV. C, 1, 847 (1970) D.D. NELLIS, M.E. TUCKER, I.L. MORGAN (TEXAS NUCLEAR) 3 MEV VAN DE GRAFF IS THE NEUTRON SOURCE. A NA-11(TL) DETECTOR IS USED TO MEASURE GAMMA RAY CROSS SECTIONS FOR SPECIFIC GAMMA RAY LINES	5-B -10	4.70-02 1.48+01	31 N.XG
	5-B -10	1.45+00 1.48+01	31 N.XG D(A)
3325 ORNL-4437 (1969) J. HALPERIN, R.E. DRUSCHEL, R.E. EBY (ORNL) ORNL RESEARCH REACTOR NEUTRON SOURCE. CADMIUM RATIO TECHNIQUE FOR THERMAL AND RESONANCE FLUX. IONIZATION DETECTOR	96-CM-245	2.50-08 2.50-00	1 N.O.
	96-CM-245	5.40-07 1.50+01	1 N.O. RES. INT.
	96-CM-245	2.50-08 2.50-08	1 N.O.
	96-CM-246	5.40-07 1.50+01	1 N.O. RES. INT.
	98-CF-252	2.50-08 2.50-08	1 N.FISS
	98-CF-252	5.40-08 1.50+01	1 N.FISS RES. INT.
3326 ORNL-4561 (1970) J. HALPERIN, J.H. OLIVER, R.W. STOUGHTON (ORNL) ORNL RESEARCH REACTOR NEUTRON SOURCE. FISSION FRAGMENT DETECTOR	96-CM-245	2.50-08 2.50-08	1 N.FISS
	96-CM-245	5.40-07 1.50+01	1 N.FISS RES. INT.
	96-CM-247	2.50-08 2.50-08	1 N.FISS
	96-CM-247	5.40-07 1.50+01	1 N.FISS RES. INT.
	98-CF-249	2.50-08 2.50-08	1 N.FISS
	98-CF-249	5.40-07 1.50+01	1 N.FISS RES. INT.
3327 CONF. ON NEUTRON C/S TECHNOLOGY, KNOXVILLE, 2, 855 (1971) J.P. FELVINI, E. MELKONIAN (COLUMBIA) NEVIS SYNDRO CYCLOTRON NEUTRON SOURCE WITH TIME OF FLIGHT TECHNIQUES. FISSION FRAGMENT DETECTOR	92-U -233	1.55-06 2.95-05	36 RES. PARAM.
3328 PRIVATE COMMUNICATION (1970) J. NEBE (KARLSRUHE) VIA NNCSC. CYCLOTRON U(D,XN) SOURCE. TIME OF FLIGHT TECHNIQUE. TRANSMISSION. NE-213 DETECTOR. LIQUID NH ₃ SAMPLE. HYDROGEN SUBTRACTED. SEE REFERENCE 3329 FOR H CROSS SECTIONS. CORRECTED FOR BACKGROUND AND DEAD TIME. ERROR IS UPPER LIMIT	7-N -15	8.95-01 3.19+01	2572 TOTAL
3329 PHYS. REV. LETTERS 23, 866 (1969) S. CIERJACKS, P. FORTI, G. J. KIROUAC, D. KOPSCH, L. KROPP, J. NEBE (KARLSRUHE) CYCLOTRON U(D,XN) SOURCE. TIME OF FLIGHT TECHNIQUE. MEASURED TRANSMISSION. POLYETHYLENE SAMPLES. CARBON SUBTRACTED BY USE OF GRAPHITE SAMPLES. FLIGHT PATH = 57.349M AS PER PRIVATE COMMUNICATION (1970) J. NEBE. NE-213 DETECTOR. CORRECTED FOR BACKGROUND AND DEAD TIME. ERRORS ARE UPPER LIMITS	1-H -1	7.01-01 3.19+01	1066 TOTAL
4330 NUCLEAR DATA FOR REACTIONS, HELSINKI, 2, 39 (1970) D. KOPSCH, S. CIERJACKS, G. J. KIROUAC (KARLSRUHE) PVT COMM. (1970) J. NEBE VIA NNCSC. CYCLOTRON U(D,XN) SOURCE. TIME OF FLIGHT TECHNIQUES. MENTAL TARGET. TRANSMISSION. NE-213 DETECTOR. CORRECTED FOR BACKGROUND AND DEAD TIME	92-U NAT	5.00-01 4.35+00	3162 TOTAL
4331 ACTA CHIM. SCANDINAVICA 16, 2100 (1962) S. FORBERG (STOCKHOLM) REACTOR-FAST FISSION SPECTRUM. ACTIVATION. ERRORS ARE 90 PERCENT CONFIDENCE LEVEL. ASSUMED STANDARD SIGMA-27(N,ALPHA) NA-24) = 0.56 MB - FAST FISSION AVERAGE	20-CA-42	2.00+00 2.00+00	1 ACTIVAT SPECT. AV.
	20-CA-43	2.00+00 2.00+00	1 ACTIVAT SPECT. AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-450 ***

REF. NO. = 3331

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3332

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3332	AERE-PR/NP-16 PAGE 39 (1969) A. LANGSFORD, P. J. CLEMENTS (AERE) TIME OF FLIGHT TECHNIQUES LIQUID HYDROCARBON SAMPLES. ERRORS ARE SYSTEMATIC. STATISTICAL ERRORS APPROXIMATELY 0.5 TIMES AS LARGE. TRANSMISSION MEASURED. SEE ALSO AERE-PR/NP-15 PAGE 33 (1969) AERE-PR/NP-14 PAGE 50 (1968) AERE-PR/NP-11 PAGE 28 (1967)	1-H -1	8.41-01 5.85+00	10	TOTAL	
3333	ARKIV FYSIK 29, 45 (1964) H. CONDE, S. SCHWARZ, N. STARFELT (STOCKHOLM) CALIBRATED LI-7(P,N) SOURCE. TIME OF FLIGHT TECHNIQUE. LI-5 GLASS SELF-DETECTOR. CORRECTED FOR MULTIPLE SCATTERING	3-LI-6	1.00-01 1.00-01	1	N.A.	
3334	ATOMKERNENERGIE 12, 159 (1966) V. F. LASINGER, H. RAUCH (WIEN) FILTERED AND UNFILTERED REACTOR NEUTRONS. TRANSMISSION MEASUREMENT. BE FILTERED NEUTRONS ARE DENOTED BY EN * 7.1 E-09 MEV. BI-FILTERED NEUTRONS ARE DENOTED BY EN * 1.9 E- 09 MEV. THESE HIGH ENERGY CUT-OFF ENERGIES ARE NOT GIVEN IN THE PUBLICATION	C2H4 CBH8	1.90-09 2.50-08 1.90-09 2.50-08	9 9	TOTAL TOTAL	SPECT. AV. SPECT. AV.
3335	ATOMKERNENERGIE 15, 83 (1970) L. BREITENHUBER, H. HEIMEL, M. PINTER (AUSTRIA) THERMAL CHANNEL OF ARGONAUT REACTOR. 1/V INCLUDED. ABSORPTION RESONANCE INTEGRAL DETERMINED BY DANIEL COEFFICIENT METHOD	13-AL-27 25-MN-56 53-I -127 90-TH-232 90-TH-232	4.00-07 1.00+00 5.50-07 1.00+00 4.00-07 1.00+00 4.00-07 1.00+00 4.00-07 1.00+00	1 1 1 1 1	N.G. N.G. N.G. ABSORP N.G.	RES. INT. RES. INT. RES. INT. RES. INT. RES. INT.
3336	INT. J. APPL. RADIAT. ISOTOP. 19, 593 (1968) Z. T. BAK, P. RIEHS (AUSTRIA) ASTRA REACTOR. ACTIVATION. EPITHERMAL FLUX SUBTRACTED. ERRORS INCLUDE SYSTEMATIC ERRORS	21-SC-46	2.50-08 2.50-08	1	N.G.	SPECT. AV.
3337	PRIVATE COMMUNICATION (1971) S. DRITSYA, N. GAITANIS (GREECE) REACTOR. FAST CHOPPER. TIME OF FLIGHT TECHNIQUE. TRANSMIS- SION. BF3 DETECTORS. FOR EXPERIMENTAL DETAILS. SEE EANDC(OR)-631 (1967) M. DRITSYA, A. KOSTIKAS	D20	1.00-08 9.40-05	984	TOTAL	
3338	EANDC(OR)-391 PAGE 1 (1965) S. HESSELT (NORWAY) D-T SOURCE. LIQUID D20 SAMPLE. NE213 DETECTOR. FOR ELECTRONICS. SEE NUCLEAR PHYS. 48, 512 (1963)	1-H -2 1-H -2	1.48+01 1.48+01 1.48+01 1.48+01	8 36	ELASTIC D(A) EMISS	E1-E2, D(A)
3339	TRANS. AM. NUCL. F. SOC. 14, 353 (1971) J. D. JENKINS (ORNL) NEUTRON ABSORPTION CROSS SECTIONS DEPLETION METHOD	25-MN-54	2.50-08 2.50-08	1	ABSORP	SPECT. AV.
3340	DRL-1491 (1970) D. E. BARRES (BRL) NEUTRON ACTIVATION TECHNIQUE. GE(LI) GAMMA DETECTOR. SEE REPORT FOR VARIOUS ASSUMPTIONS RELATING TO ERRORS	44-RU-96 44-RU-96 44-RU-96 44-RU-96 44-RU-98 44-RU-102 44-RU-104 46-PD-102	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 1 1 1 1 1 1 1	N.2N N.P. N.D. N.D. N.2N N.A. N.2N N.2N	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-451 ***

REF.NO.=3340

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. 3340

REF BIBLIOGRAPHY

3340

TARGET EN. RANGE (MEV) PTS DESCRIPTION

46-PD-102	1.41+01	1.41+01	1 N,D
46-PD-110	1.41+01	1.41+01	1 N,2N
49-IN-113	1.41+01	1.41+01	1 N,N'
49-IN-113	1.41+01	1.41+01	2 N,2N
49-IN-115	1.41+01	1.41+01	1 N,N'
49-IN-115	1.41+01	1.41+01	1 N,2N
49-IN-115	1.41+01	1.41+01	1 N,P
49-IN-115	1.41+01	1.41+01	1 N,A
50-SN-112	1.41+01	1.41+01	1 N,2N
50-SN-112	1.41+01	1.41+01	1 N,D
50-SN-114	1.41+01	1.41+01	1 N,2N
50-SN-124	1.41+01	1.41+01	1 N,2N
77-IR-191	1.41+01	1.41+01	1 N,2N
77-IR-191	1.41+01	1.41+01	1 N,2N
77-IR-193	1.41+01	1.41+01	1 N,2N

3341 CONF. ON NEUTRON C/S TECHNOLOGY, KNOXVILLE, T. 325 (1971)

L. GREEN (BETLIS)

O²³⁵ TIM OF FLIGHT SPECTROMETER. SEE ALSO

WAPD-TH 1073 (1973)

TARGET SPECIFICATIONS WERE... 6-C-NAT (0.4562 ATOMS/B, 3 RUNS); 90-TH-232 (0.1162 ATOMS/B, 2 RUNS); 82-PB-NAT (0.1254 ATOMS/B, 2 RUNS); 41-NB-93 (0.2773 ATOMS/B, 2 RUNS); 72-HF-NAT (0.09942 AND 0.1491 ATOMS/B); 48-CD-NAT (0.1662 ATOMS/B, 2 RUNS); 40-ZF-NAT (0.1918 B/ATOM, 2 RUNS, AND 0.1370 B/ATOM); 40-ZR-90 (57.72 PERCENT ENRICHED, 0.0799 ATOMS/B, 2 RUNS); 40-ZR-92 (95.13 PERCENT ENRICHED, 0.0855 ATOMS/B); 24-CR-NAT (0.2792 ATOMS/B, 2 RUNS); 20-NI-NAT (0.2883 AND 0.2305 ATOMS/B); 292-U-233 (0.1142 ATOMS/B, 3 RUNS AND 0.08616 ATOMS/B)

6-C-NAT	5.00-01	1.10+01	942 TOTAL
24-CR-NAT	1.00+00	8.69+00	432 TOTAL
28-NI-NAT	4.87-01	8.57+00	696 TOTAL
40-ZR-NAT	4.98-01	9.24+00	1010 TOTAL
40-ZR-90	5.01-01	8.12+00	714 TOTAL
40-ZR-92	5.04-01	8.20+00	358 TOTAL
41-NB-93	4.93-01	1.06+01	712 TOTAL
48-CD-NAT	4.06-01	9.17+00	700 TOTAL
72-HF-NAT	4.95-01	9.87+00	637 TOTAL
82-PB-NAT	1.00+00	8.09+00	434 TOTAL
90-TH-232	5.00-01	9.59+00	644 TOTAL
92-U-233	5.04-01	9.91+00	1384 TOTAL
92-U-233	5.04-01	9.88+00	696 TOTAL
92-U-235	5.06-01	9.91+00	688 TOTAL

3342 TRANS. AM. NUCLEAR SOC. 16, 312 (1973) O.L. SMITH, J.W. MEADOWS (ANL)

ACTIVATION TECHNIQUE RELATIVE TO U²³⁵ FISSION CROSS SECTIONS. CORRECTED FOR MULTIPLE SCATTERING, FINITE SAMPLE THICKNESS, ETC. SEE ALSO

ANL-7910 PAGE 12 (1972)

ANL-NDM-10 (1975)

THE (1975) DATA SUPERSEDES THE OLDER (1972) AND (1973) DATA.

NUCLEAR SCIENCE AND ENGINEERING 68, 314 (1975)

ANL-NDM-13 (1975)

13-AL-27	2.00+00	9.45+00	160 N,P
13-AL-27	2.00+00	9.96+00	82 N,P
22-TI-46	3.66+00	9.95+00	57 N,P
22-TI-46	3.66+00	9.95+00	30 N,P
22-TI-47	9.14+01	9.95+00	143 N,P
22-TI-47	9.14+01	9.95+00	73 N,P
22-TI-48	4.72+00	9.95+00	35 N,P
22-TI-49	4.72+00	9.95+00	19 N,P
26-Fe-54	1.97+00	9.94+00	75 N,P
26-Fe-54	1.97+00	9.94+00	39 N,P
26-Fe-56	3.97+00	9.94+00	56 N,P
26-Fe-56	3.97+00	9.94+00	29 N,P
27-CO-59	4.33+00	9.94+00	32 N,P
27-CO-59	4.33+00	9.94+00	17 N,P
28-NI-58	4.41+01	9.94+00	230 N,P
28-NI-58	4.41+01	9.89+00	115 N,P
30-ZN-64	1.15+00	9.93+00	68 N,P
30-ZN-64	1.15+00	9.92+00	33 N,P

3343 NUCLEAR SCIENCE AND ENGINEERING 61, 25 (1973) K.A. ALPHERI, R.C. BLOCK, P.I. TURINSKY (RPI)

26-Fe-NAT 2.43 02 2.43-02 1 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-452 ***

REF. NO. 3343

07/04/76

CCSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3343

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3343	LOW RESOLUTION TRANSMISSION MEASUREMENTS ON THICK SAMPLES. TRANS. AM. NUCLEAR SOC. 15, 531 (1972)				
3344	TRANS. AM. NUCLEAR SOC. 15, 948 (1972) J.A. GRUNDL, V. SPIEGEL, JR., C. EISENHAEUER (NBS) CF-252 SPONTANEOUS FISSION NEUTRON SOURCE. BACK TO BACK FISSION CHAMBER	CF-252 CF-252	2 13.00 2 13.00 2 13.00 2 13.00	1 N, FISS 1 N, FISS	SPECT. AV. SPECT. AV.
3345	TRANS. AM. NUCLEAR SOC. 15, 147 (1972) J.J. SINGH (NASA LANGLEY) ACTIVATION TECHNIQUE. GE(LI) DETECTOR. D-T NEUTRONS NEUTRON ENERGY RANGE AT TARGET VARIED FROM 14.40 TO 14.74 MEV	26-FE-54 26-FE-54 26-FE-56 26-FE-57 26-FE-58	1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01 1.45+01	1 N, P 1 N, A 1 N, P 1 N, P 1 N, P	
3346	PHYS. REV. C, 6, 690 (1972) T.O. MASTERSON (U. WISC.) LIQUID SCINTILLATOR DETECTOR	1-H -1	2.40+01 2.40+01	2	ELASTIC DIAI
3347	PHYS. REV. C, 7, 1306 (1973) T.H. BURROWS (U. WISC.) COUNTER TELESCOPE. ENERGY RESOLUTION WAS 60-90 KEV	1-H -1	2.40+01 2.72+01	9	ELASTIC DIAI
3348	JENER-23 (1954) E. SAELAND, M. LYKAAS, K. SAMSAHL (KJELLER) FAST FISSION SPECTRUM FROM REACTOR. ACTIVATION. NORMALIZED TO P-31(N,P) = 0.019 B	30-ZN-68	2.00+00 2.00+00	1	ACTIVAT SPECT. AV.
3349	J. INORG. NUCLEAR CHEM. 10, 173 (1959) R.A. SHARP, A.C. PAPPAS (NORWAY) BE-91D(N) SOURCE. STOCKHOLM CYCLOTRON. ACTIVATION. CHEMICAL SEPARATION. CORRECTED FOR BETA ABSORPTION AND BACK-SCATTERING	49-IN-115 50-SR-110	1.00+01 2.50+01 1.50+01 2.50+01	4 N, P 3 N, P	C/S RATIO C/S RATIO
3350	J. INORG. NUCLEAR CHEM. 29, 2155 (1967) J. ALSTAD, T. JAHNSEN, A.C. PAPPAS (NORWAY) JEEP 2 HEAVY WATER REACTOR. ACTIVATION. STANDARD SIGMA (AU197 (N, GAMMA)) = 98.8 B AT 2200 M/E/C. AU-RESONANCE INTEGRAL = 1558 B. SELF SHIELDING CONSIDERED. CADMIUM RATIO TECHNIQUE FOR RESONANCE INTEGRALS	58-CE-140 58-CE-140 58-CE-140 58-CE-142 60-ND-145 60-ND-146 60-ND-148 60-ND-140 60-ND-150 60-ND-150 65-TB-159 65-TB-159	2.50+00 2.50+00 4.00+07 1.00+00 2.50+00 2.50+00 4.00+07 1.00+00 2.50+00 2.50+00 4.00+07 1.00+00 2.50+00 2.50+00 4.00+07 1.00+00 2.50+00 2.50+00 4.00+07 1.00+00 2.50+00 2.50+00 4.00+07 1.00+00	1 1 1 1 1 1 1 1 1 1 1 1	ACTIVAT SPECT. AV. ACTIVAT RES. INT. ACTIVAT SPECT. AV. ACTIVAT RES. INT. ACTIVAT SPECT. AV. ACTIVAT RES. INT. ACTIVAT SPECT. AV. ACTIVAT RES. INT. ACTIVAT SPECT. AV. ACTIVAT RES. INT. ACTIVAT SPECT. AV. ACTIVAT RES. INT.
3351	J. INORG. NUCLEAR CHEM. 31, 1 (1969) D. CRUMPTON, A. J. COX, P.N. COOPER, P.E. FRANCOIS, S. ELLIOTT (ENGLAND) ACTIVATION. (110,N) SOURCE. NORMALIZED BY ASSOCIATED PARTICLE TECHNIQUE. SEE ALSO NATURE 216, 996 (1967)	13-AL-27 29-CU-63 29-CU-65 42-MO-92	1.47+01 1.47+01 1.47+01 1.40+01 1.47+01 1.47+01 1.47+01 1.40+01	1 N, A 2 N, 2N 1 N, 2N 2 N, 2N	
3352	J. NUCLEAR ENERGY, PARTS A/B, 17, 350 (1963) D. BRUNE, K. JIRLOW (SWEDEN) REACTOR. ACTIVATION. CADMIUM RATIO TECHNIQUE. STANDARD IN AU RESONANCE INTEGRAL = 1490 ± 40 B WHICH IS REPORTED IN	26-FE-59 30-ZN-64 30-ZN-68 80-HG-202	6.00+07 1.50+01 6.00+07 1.50+01 6.00+07 1.50+01 6.00+07 1.50+01	1 N, O 1 N, O 1 N, O 1 N, O	RES. INT. RES. INT. RES. INT. RES. INT.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-453 ***

REF. NO. = 3352

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. #3352

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3352 J. NUCLEAR ENERGY 11, 101 (1960)

3353 J. NUCLEAR ENERGY 21, 373 (1967) E. STEINNES (NORWAY)
JEEP 1 REACTOR. ACTIVATION. STANDARD IS NA-23(N,GAMMA) = 0.531
+- 0.008 B. IRRADIATION POSITION IS EITHER IN PILE OR THERMAL
COLUMN. VALUE IS AVERAGE OF SIX MEASUREMENTS. CORRECTED FOR
EPITHERMAL FLUX

21-SE-74 2.50+00 2.50+00 1 N,0 SPECT. AV.

3354 KR-123 (1967) E. STEINNES (NORWAY)
JEEP 1 REACTOR. ACTIVATION. STANDARD IS AL-27(N,ALPHA) =
0.0006 B. AVERAGED OVER FISSION SPECTRUM. ASSUMED FISSION
NEUTRON DISTRIBUTION ABOVE EN = 4 MEV

35-BR-21 2.00+00 2.00+00 2 N,P SPECT. AV.
48-CD-105 2.00+00 2.00+00 1 N,P SPECT. AV.
55-CS-133 2.00+00 2.00+00 1 N,A SPECT. AV.

3355 NUCLEAR PHYS. 29, 66 (1982) R. NILSSON (SWEDEN)
REACTOR R1. ACTIVATION. CADMIUM RATIO TECHNIQUE. LOWER ENERGY
TAKEN TO BE 6.E-07 MEV. NORMALIZED TO THERMAL ACTIVATION
CROSS SECTION OF 3.2 +- 0.4 B

47-AG-103 6.00-07 1.50+01 1 N,0 RES. INT.

3356 NUCLEAR PHYS. 102, 534 (1967) P. SCHEIMBAUER, P. HILLE
(AUSTRIA)
D-T SOURCE. ACTIVATION. RATIO MEASURED - RESIDUAL STATES ARE
THE 6.08 MICROSECOND METASTABLE STATE AND THE 12 DAY GROUND
STATE OF TL-202. CROSS SECTIONS BASED ON TL-203(N,2N) = 1.33
B OF PRESTWOOD ET AL.
PHYS. REV. 121, 143B (1951)
OESTERR. AKAD. WISS. MATH.-NATURW. KL. SITZ. ABT. 2, 175, 163 (1966)

81-TL-203 1.41+01 1.41+01 1 N,2N
81-TL-203 1.41+01 1.41+01 1 N,2N

3357 NUCLEAR PHYS. 109, 691 (1968) H. ROTZER (AUSTRIA)
D-T SOURCE. ACTIVATION. STANDARD AL-27(N,ALPHA) = 0.119 +-
.006 B AT 14.7 MEV
OESTERR. AKAD. WISS. MATH.-NATURW. KL. SITZ. ABT. 2, 176, 289 (1968)

49-IN-113 1.47+01 1.47+01 2 N,2N
49-IN-115 1.47+01 1.47+01 1 N,N'
49-IN-115 1.47+01 1.47+01 1 N,2N
49-IN-115 1.47+01 1.47+01 1 N,2N

3358 NUCLEAR PHYS. 116, 673 (1968) R. BACHINGER, M. UHL (AUSTRIA)
D-T SOURCE. NUCLEAR EMULSIONS. NITROGEN GAS TARGET. RELATIVE
CROSS SECTIONS VS. ANGLE. CORRECTED FOR NEUTRON FLUX DISTRI-
BUTION.
OESTERR. AKAD. WISS. MATH.-NATURW. KL. SITZ. ABT. 2, 176, 209 (1968)

7-N -14 1.41+01 1.41+01 32 N,A D(A)

3359 NUCLEAR PHYS. 120, 161 (1968) I. BERGQVIST, B. LUNDBERG,
L. NILSSON, N. STARFELT (SWEDEN)
TIP(N) AND DIO(N) SOURCES. STUOVSJIK VAN DE GRAAFF. TIME OF
FLIGHT TECHNIQUES. NAI DETECTOR. CORRECTED FOR ATTENUATION OF
NEUTRONS AND GAMMA RAYS. DOMINATING ERROR COMES FROM UNFOLD-
ING PROCEDURE

28-NI-NAT 5.00-01 8.30+00 10 N,0 D(A)
28-NI-58 9.00-01 8.30+00 10 N,0 D(A)
83-81-209 4.70+00 8.30+00 3 N,0 D(A)

3360 NUCLEAR PHYS. 146, 321 (1970) B. HOLMQUIST, S. G. JOHANSSON,
O. LODIN, T. WILDLING (SWEDEN)
TIP(N), DIO(N) SOURCES. VAN DE GRAAFF. TIME OF FLIGHT. IIF102A
DETECTOR. POLYETHYLENE STANDARD (HIN,NIN).
AE-375 (1969)
(SAME AS THE REFERENCED JOURNAL ARTICLE).
AE-376 (1969)

23-V -NAT 1.52+00 4.56+00 44 N,N'
23-V -NAT 2.47+00 4.56+00 227 N,N' D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-454 ***

REF. NO. #3350

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3360

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3360 FOR ELASTIC SCATTERING DATA.

- 3361 NUCLEAR PHYS. 153, 553 (1970) I.BERGQVIST, B.LUNDBERG, L.MILSSON (SWEDEN)
T(P,N) AND D(D,N) SOURCES. STUOVIK VAN DE GRAFF. TIME OF FLIGHT TECHNIQUES. NAI(TL) DETECTOR. PLASTIC SCINTILLATOR MONITOR COUNTER. CORRECTED FOR NEUTRON AND GAMMA RAY ATTENUATION
82-PB-206 1.58+00 8.45+00 24 N,G D1A1
- 3362 NUCLEAR PHYS. 158, 77 (1970) P.WINIHARTER (AUSTRIA)
D-T SOURCE. ACTIVATION. DETECTED GAMMA RAYS. CORRECTED FOR DEAD TIME, BACKGROUND, SELF-ABSORPTION, NEUTRON FLUX, INTERNAL CONVERSION, AND DECAY OF SOURCE BEFORE MEASUREMENT.
75-OS-192 1.47+01 1.47+01 1 N,2N
76-OS-192 1.47+01 1.47+01 1 N,2N
76-OS-192 1.4 +01 1.47+01 1 N,2N
78-PT-198 1.47+01 1.47+01 1 N,2N
78-PT-198 1.47+01 1.47+01 1 N,2N
- 3363 NUCLEONICS 13, 67 (1955) N.RAISIC (NORWAY)
JEEP THERMAL REACTOR. FISSION NEUTRONS FROM URANIUM PLUG. FISSION PROPORTIONAL COUNTER. BF-3 MONITOR. STANDARD B-10(N,ALPHA) = 0.091 B AVERAGED OVER FISSION SPECTRUM
92-U -235 2.00+00 2.00+00 1 N,FISS SPECT.AV.
92-U -238 2.00+00 2.00+00 1 N,FISS SPECT.AV.
- 3364 NUKLEONIK 11, 159 (1968) J.ELKERT (SWEDEN)
D-T SOURCE. PULSE DIE-AWAY METHOD IN SPHERICAL WATER TANK. CORRECTED FOR DEAD TIME, BACKGROUND
1-H -1 2.50-08 2.50-08 1 N,G SPECT.AV.
- 3365 NUKLEONIK 12, 259 (1969) C.M.FLECK (AUSTRIA)
REACTOR. ACTIVATION. SELF-INDICATION BY VARIATION OF THE TEMPERATURE. THERMAL NEUTRONS ABSORBED BY CADMIUM. CORRECTED FOR SIDE RESONANCES. 1/V CONTRIBUTION AND CADMIUM WING
49-IN-115 1.45-06 1.45-06 2 RES.PARAM.
- 3366 OESTERR.AKAD.WISS. MATH.-NATURW.KL. SITZ.ABT.2, 174,575(1966) G.ZEISEL (AUSTRIA)
ASTRA REACTOR (SIEBERSDORF). ACTIVATION. NAI(TL) DETECTOR. ACTA PHYSICA AUSTRIACA 23, 223 (1966)
38-SR-90 2.50+00 2.50+00 1 N,G SPECT.AV.
- 3367 OESTERR.AKAD.WISS. MATH.-NATURW.KL. SITZ.ABT.2, 175,145(1966) P.HILLE, A.FRITSCH (AUSTRIA)
D-T SOURCE. ACTIVATION. CORRECTED FOR CHEMICAL PARITY, INHOMOGENEITY OF NEUTRON FLUX
18-K -39 1.47+01 1.47+01 1 N,2A
- 3368 OESTERR.AKAD.WISS. MATH.-NATURW.KL. SITZ.ABT.2, 176,227(1968) P.BORNEHISZA-PAUSPERTL, P.HILLE (AUSTRIA)
D-T SOURCE. ACTIVATION. STANDARD AL-27(N,ALPHA) = 0.117 B ATOMKI KOZLEMESEK 9, 227 (1967)
37-BR-79 1.47+01 1.47+01 1 N,N'
39-Y -89 1.47+01 1.47+01 1 N,N'
70-YB-176 1.47+01 1.47+01 1 N,N'
79-AU-197 1.47+01 1.47+01 1 N,N'
- 3369 OESTERR.AKAD.WISS. MATH.-NATURW.KL. SITZ.ABT.2, 176,305(1968) R.SACHER, H.WARHANEK (AUSTRIA)
D-T SOURCE. ACTIVATION. STANDARD P-31(N,2N) = 0.0089 B ACTA PHYSICA AUSTRIACA 23, 181 (1966)
16-S -32 1.47+01 1.47+01 1 N,T
19-K -39 1.47+01 1.47+01 1 N,2N
20-CA-40 1.47+01 1.47+01 1 N,T
- 3370 OESTERR.AKAD.WISS. MATH.-NATURW.KL. SITZ.ABT.2, 176,311(1968) H.SCHLAEFFER, P.HILLE (AUSTRIA)
D-T SOURCE. ACTIVATION. CORRECTED FOR ACCIDENTAL
17-CL-35 1.48+01 1.48+01 1 N,2N C/S RATIO
19-K -39 1.48+01 1.48+01 1 N,2N C/S RATIO

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-455 ***

REF.NO.=3370

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3370

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3370 COINCIDENCES, BACKGROUND, 5-37 ACTIVITY EANOC(OR)-46L (1966)				
3371 OESTERR.AKAD.WISS. MATH.-NATURW.KL. 317Z.ABT.2, 176,45 (1967) F.FLESCHE, P.HILLE (AUSTRIA) D-T SOURCE. ACTIVATION. STANDARD AL-27(N,ALPHA) = 0.117 B AT 14.7 MEV. CORRECTED FOR DEAD TIME, ABSORPTION IN SAMPLE	5-6 -11 11-NA-23 11-NA-23	1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01	1 N,P 1 N,P 1 N,A	
3372 ANZ.OESTERR.AKAD.WISS. MATH.-NATURWISS.KL. 97, 13 (1960) B.CZAPP, H.K.VONACH (AUSTRIA) D-T SOURCE. ACTIVATION AND DIRECT DETECTION OF ALPHAS BY NUCLEAR EMULSIONS. TEMPERATURES OF NA-24 AND CO-60 ARE GIVEN IN THIS ARTICLE. STANDARD AL-27 (N,ALPHA) = 0.116 B	29-CU-63 29-CU-63	1.40+01 1.40+01 1.40+01 1.40+01	1 N,A 1 N,A	DIA)
3373 ANZ.OESTERR.AKAD.WISS. MATH.-NATURWISS.KL. 98, 200 (1961) P.VILLE (AUSTRIA) D-T SOURCE. ACTIVATION. NAI DETECTOR STANDARD AL-27(N,ALPHA) = 0.116 B	20-CA-42 20-CA-44 20-CA-44 20-CA-48	1.49+01 1.49+01 1.49+01 1.49+01 1.49+01 1.49+01 1.49+01 1.49+01	1 N,P 1 N,P 1 N,A 1 N,2N	
3374 ANZ.OESTERR.AKAD.WISS. MATH.-NATURWISS.KL. 99, 1 (1962) R.MENUSCH, H.K.VONACH (AUSTRIA) D-T SOURCE. ACTIVATION. STANDARD AL-27(N,ALPHA) = 0.116 B. CORRECTED FOR ABSORPTION, POINT-SOURCE	24-CR-52 25-MN-55 26-FE-56 27-CO-59 30-ZN-68	1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01 1.40+01	1 N,2N 1 N,2N 1 N,2N 1 N,2N 1 N,2N	
3375 ANZ.OESTERR.AKAD.WISS. MATH.-NATURWISS.KL. 105, 238 (1960) J.COLDITZ, P.HILLE (AUSTRIA) D-D SOURCE. ACTIVATION DEIGER COUNTER. STANDARD IN-115(N,N' TO METASTABLE) = 0.360 B	12-MG-26 13-AL-27 17-CL-37 23-V -51 25-MN-55 29-CU-65 30-ZN-68 33-AS-75 49-IN-115 53-I -127 56-BA-138	2.90+00 2.90+00	1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0	
3376 PRIVATE COMMUNICATION (1970) O.GLENSET, A.C.PAPPAS (NORWAY) VIA NNCS. ACTIVATION, CADMIUM RATIOS. THERMAL (T=400 +/- 20K) STANDARDS.. AU-197(N,GAMMA) = 98.8 B AT 2200 M/SEC. AU-197(N, GAMMA) RESONANCE INTEGRAL = 1558 B. MAXIMUM AND MINIMUM ENERGIES ON RESONANCE INTEGRALS ADDED BY COMPILER. CORRECTED FOR SELF-SHIELDING	68-ER-162 68-ER-162 68-ER-164 68-ER-164 68-ER-168 68-ER-168 68-ER-168 68-ER-170 68-ER-170	2.50-08 2.50-08 4.00-07 1.00+00 2.50-08 2.50-08 4.00-07 1.00+00 2.50-08 2.50-08 4.00-07 1.00+00 4.00-07 1.00+00 2.50-08 2.50-08 4.00-07 1.00+00	1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0	SPECT.AV. RES.INT. SPECT.AV. RES.INT. SPECT.AV. RES.INT. SPECT.AV. RES.INT. RES.INT.
3377 PRIVATE COMMUNICATION (1970) J.ALSTAU, L.HERTZENBERG, A.C.PAPPAS (NORWAY) JEEP 2 HEAVY WATER REACTOR. THERMAL (T=420 +/- 20K). ACTIVA- TION. STANDARDS.. AU-197(N,GAMMA) = 98.8 B AT 2200 M/SEC. AU-197(N,GAMMA) RESONANCE INTEGRAL = 1558 B. MAXIMUM AND MINIMUM ENERGIES ON RESONANCE INTEGRALS ADDED BY COMPILER.	69-TM-169 69-TM-169 70-YB-168 70-YB-169 70-YB-174 70-YB-174	2.50-08 2.50-08 4.00-07 1.00+00 2.50-08 2.50-08 4.00-07 1.00+00 2.50-08 2.50-08 4.00-07 1.00+00	1 N,0 1 N,0 1 N,0 1 N,0 1 N,0 1 N,0	SPECT.AV. RES.INT. SPFCT.AV. RES.INT. SPECT.AV. RES.INT.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-456 ***

REF. NO. = 3377

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3377

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3377 CORRECTED FOR SELF-SHIELDING	70-YB-176	2.50-08 2.50-08	1 N,G	SPECT.AV.
	70-YB-176	4.00-07 1.00+00	1 N,G	RES.INT.
3378 PHYS. LETTERS, B, 27, 554 (1968) A.PALMÖREN, K.KREBS, E.TUNKLO (ITALY) ISRA RESEARCH REACTOR. BE FILTERED. TRANSMISSION MEASUREMENT BY DOPPLER CHOPPER	48-CO-NAT	7.60-1P 1.08-11	3 TOTAL	
3379 PHYS. REV. B, 137, 878 (1965) B.GRIMELAND, E.KJELLSBY, J.VINES (NORWAY) D-T SOURCE. ACTIVATION. FLUX NORMALIZED BY ASSOCIATED PARTICLE METHOD. GAMMAS AND BETAS COUNTED BY NE-102 SCINTIL- LATOR. WHERE TWO MEASUREMENTS ARE REPORTED, ONE COMES FROM MEASUREMENT OF BETAS, THE OTHER FROM GAMMAS	7-N -14 15-P -31 15-P -31 15-P -31 29-CU-63 35-BR-79 35-BR-79 35-BR-81 35-BR-81 35-BR-81	1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.4 +01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01	1 N,2N 2 N,2N 1 N,P 1 N,A 2 N,2N 2 N,2N 1 N,A 2 N,2N 1 N,2N 2 N,A	
3380 RADIOCHIMICA ACTA 5, 28 (1966) A.KJELBERG, A.C.PAPPAS, E.STEINNES (NORWAY) D-T SOURCE. ACTIVATION. RADIOCHEMICAL SEPARATION. GEIGER COUNTER. STANDARD P-31(N,P) = 0.088 B	30-ZN-64 35-BR-79 35-BR-79 35-BR-81 35-BR-81	1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01	1 N,P 1 N,P 1 N,A 2 N,P 1 N,A	
3381 RADIOCHIMICA ACTA 9, 47 (1968) O.JOHANSEN, E.STEINNES (NORWAY) JEEP 1 REACTOR. FISSION SPECTRUM ACTIVATION. NAI DETECTOR. STANDARD AL-27(N,ALPHA) = 0.00060 B AVERAGED OVER FISSION SPECTRUM	19-K -41	2.00+00 2.00+00	1 N,A	SPECT.AV.
3382 RADIOCHIMICA ACTA 13, 169 (1970) E.STEINNES (NORWAY) JEEP 1 REACTOR. FISSION SPECTRUM. ACTIVATION. NAI DETECTOR. STANDARD NI-58(N,P) = 0.105 B. STANDARD CORRECTED FOR CO-58 BURNUP	11-NA-23 25-MN-55 26-FE-54 33-AS-75 39-Y -89 53-I -127 75-RE-185	2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00	1 N,2N 1 N,2N 1 N,P 1 N,2N 1 N,2N 1 N,2N 2 N,2N	SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV.
3383 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 1,125 (1968) J.WEITMAN, N.DAVERHOG (SWEDEN) RD REACTOR. FISSION SPECTRUM. HE-4 DETERMINED BY MASS SPECTROGRAPH. CORRECTED FOR HE-4 PRODUCTION FROM NITROGEN AND OXYGEN IMPURITIES. STANDARDS NI-58(N,P) = 0.110 B, TI-46(N,P) = 0.0115 B, CU-63(N,ALPHA) = 0.000535 B	22-TI-NAT 24-CR-NAT 26-FE-NAT 28-NI-NAT 29-CU-NAT	2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00 2.00+00	1 N,XA 1 N,XA 1 N,XA 1 N,XA 1 N,XA	SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV.
3384 Z.PHYSIK 237, 155 (1970) H.K.VONACH, M.HILLE, P.STENGL, W.BREUNLICH, E.WERNER (AUSTRIA) D-T SOURCE. ASSOCIATED PARTICLE METHOD. ACTIVATION. WELL- TYPE SCINTILLATOR DETECTOR. CORRECTED FOR DEAD TIME, SCAT- TERED ALPHAS, PROTONS FROM DID,P). BACKGROUND, CF-252 CONTAM- INATION, CENTER OF MASS, FINITE SIZE, ECCENTRICITY OF BEAM	13-AL-27	1.44+01 1.44+01	1 N,A	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-457 ***

REF.NO.=3384

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3384 WITH RESPECT TO TARGET, ABSORPTION OF NEUTRONS. EXTENSIVE ERROR ANALYSIS, ERROR IS $3 \cdot \sigma$ SIGMA.
ANZ.OESTERR.AKAD.WISS. MATH-NATURWISS.KL. 100, 94 (1969)

3385 NUCLEAR DATA FOR REACTORS, HELSINKI, 2, 139 (1970)
H.CONDR, L.WIDEN (SWEDEN)
FAST ZERO-POWER REACTOR (STUDSVIKI). ENERGY SPECTRUM GIVEN IN REFERENCE. COINCIDENCES MEASURED BETWEEN FISSION FRAGMENTS AND NEUTRONS. NEUTRONS DETECTED BY LARGE SCINTILLATOR TANK, CORRECTED FOR SPONTANEOUS FISSION PILE-UP, ACCIDENTAL COINCIDENCES, FISSION NEUTRON SPECTRUM.

92-U -235 2.00+00 2.00+00 1 NU-PRMT SPECT.AV.
94-PU-239 2.00+00 2.00+00 1 NU-PRMT SPECT.AV.

3386 NUCLEAR DATA FOR REACTORS, HELSINKI, 2, 295 (1970)
D.L.BRODER, A.F.GAMALII, A.I.LASHUK, I.P.SADOKHIN (OBNINSK)
T(P,) AND D(D,N) SOURCES. GE(LI) DETECTOR. BEWARE OF ISOMER CONTRIBUTION. SEE ALSO.
FEL-155 (1969) D.L.BRODER, A.F.GAMALII, A.I.LASHUK,
B.V.NESTEROV, I.P.SADOKHIN

9-F -19 1.40-01 1.24+00 33 N,N'
9-F -19 1.40-01 3.14+00 75 N,N'
26-FE-NAT 9.30-01 6.59+00 33 N,N'
26-FE-NAT 9.30-01 7.37+00 250 N,N'
26-FE-NAT 9.30-01 7.37+00 204 N,XO
27-CO-59 1.14+00 4.66+00 19 N,N'
27-CO-59 1.14+00 4.96+00 93 N,N'
28-NI-NAT 3.79+00 5.42+00 7 N,N'
28-NI-NAT 1.36+00 6.59+00 216 N,N'
28-NI-NAT 2.00+00 4.10+00 10 N,N'
28-NI-NAT 1.81+00 6.59+00 127 N,XO
51-SB-NAT 2.20-01 1.24+00 27 N,XO
73-TA-181 1.70-01 1.27+00 27 N,N'
73-TA-181 1.70-01 2.85+00 76 N,N'
73-TA-181 2.30-01 1.27+00 25 N,N'

3387 ATOMNAYA ENERGIYA 21, 45 (1966) V.A.TOLSTIKOV, V.P.KOROLEVA,
V.E.KOLESOV, A.G.DOVBENKO
SOVIET J. ATOMIC ENERGY 21, 665 (1966)
ACTIVATION METHOD. SEE ALSO, REF. 2994

29-CU-63 9.00-03 3.62+00 27 N,O

3388 ATOMNAYA ENERGIYA 23, 151 (1967) A.G.DOVBENKO, V.E.KOLESOV,
V.P.KOROLEVA, V.A.TOLSTIKOV
ACTIVATION METHOD. SEE ALSO, REF. 2994

17-CL-37 1.50-01 2.10+00 15 N,O
37-RB-87 1.10-02 2.64+00 19 N,O
77-IR-193 1.00-02 3.14+00 21 N,O

3389 INDC(CCP)-B/U PAGE 6 (1969) D.L.SHPAK, YU.B.OSTAPENKO,
G.N.SMIRENKIN
YFI-8 (1969)
IS THE ORIGINAL REPORT IN RUSSIAN, PUBLISHED BY ATOMIZDAT,
MONOENERGETIC T(P,N) NEUTRON SOURCE

95-AH-241 8.00 03 3.30+00 43 N,FISS

3390 INDC(CCP)-B/U PAGE 16 (1970) M.V.SAVIN, YU.S.ZAMYAININ,
YU.A.KHOKHLOV, I.N.PARAMONOVA
YFI-8 (1969)
IS THE ORIGINAL REPORT IN RUSSIAN, PUBLISHED BY ATOMIZDAT,
LINAC. RELATIVE TO U-235

94-PU-239 8.20-01 5.35+00 35 N,FISS C/S RATIO
94-PU-240 5.20-01 3.73+00 26 N,FISS C/S RATIO

3391 JINR-P3-5112 (1970) V.N.KONONOV, M.A.KUROV, E.D.POLETAEV,
YU.S.PROKOPETS, YU.V.RYABOV, SO SUN SIK, YU.YA.STAVISSKII,
N.CHIKOV

94-PU-239 1.00-04 2.95-02 38 ALPHA RES.INT.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-458 ***

REF.NO. #3391

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NQ.=3391

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3391 FISSION CHAMBER (THIN SAMPLE) AND LIQUID SCINTILLATOR (THICK SAMPLE). FAST PULSED REACTOR. TIME OF FLIGHT TECHNIQUE.

3392 NUCLEAR DATA FOR REACTORS. HELSINKI, 2, 167 (1970)
V.G.MESTEROV, B.NURPEISOV, L.I.PROKHOROVA, G.N.SMIRENKIN,
YU.M.TURCHIN
COINCIDENCE MEASUREMENT BETWEEN IMPULSES FROM NEUTRON AND
FISSION FRAGMENT DETECTORS
SEE REF. 3415.
RENORMALIZED TO NUBAR = 3.73 FOR THE SPONTANEOUS FISSION
OF CF252.

92-U -235 0. 1.52+00 13 NU-PRMT

3393 UKR. FIZ. ZH. 13, 599 (1968) V.V.KOLODII, V.P.VERTEBNII,
N.L.GNIDAK, ZM.I.PISANKO
REACTOR SOURCE. CORRECTED FOR MULTIPLE SCATTERING

60-ER-NAT 1.15-07 1.15-07 1 SCATTER SPECT.AV.
60-ER-162 1.15-07 1.15-07 1 SCATTER SPECT.AV.
60-ER-164 1.15-07 1.15-07 1 SCATTER SPECT.AV.
60-ER-166 1.15-07 1.15-07 1 SCATTER SPECT.AV.
60-ER-167 1.15-07 1.15-07 1 SCATTER SPECT.AV.
60-ER-168 1.15-07 1.15-07 1 SCATTER SPECT.AV.
60-ER-170 1.15-07 1.15-07 1 SCATTER SPECT.AV.

3394 UKR. FIZ. ZH. 12, 1571 (1967) I.A.KORZH, V.A.MISHCHENKO,
M.V.PASECHNIK, N.M.PRAVDIVII, I.E.SANZHUR, I.A.TOTSKI
CORRECTED FOR MULTIPLE SCATTERING AND FLUX ATTENUATION.
INDC-197 PAGE 48 (1967)

22-TI-NAT 1.50+00 1.50+00 1 ELASTIC
24-CR-NAT 1.50+00 1.50+00 1 ELASTIC
26-FE-NAT 1.50+00 1.50+00 1 ELASTIC
27-CO-59 1.50+00 1.50+00 1 ELASTIC
28-NI-NAT 1.50+00 1.50+00 1 ELASTIC
29-CU-NAT 1.50+00 1.50+00 1 ELASTIC

3395 JINR-P-2764 (1966) YU.A.ALEKSANDROV, G.G.SAMOSVAT,
ZH.SERETER, CHOY GEN SOR (DUBNA)
PULSED REACTOR SOURCE

62-PB-NAT 4.60-04 2.60-02 99 ELASTIC DIA)

3396 ATOMNAYA ENERGIYA 18, 452 (1965) V.P.VERTEBNII, I.P.DZYUB,
A.N.MAISTRENKO, M.V.PASECHNIK
SLOW CHOPPER

7-N -NAT 6.46-10 6.67-09 40 COHERT
8-O -NAT 5.05-10 4.98-09 12 COHERT

3397 ATOMNAYA ENERGIYA 23, 566 (1967) YU.O.DEGTYAREV,
A.N.PROTOPODOV
NEUTRONS FROM THE T(p,n) HE-3 REACTION. CORRECTED FOR
MULTIPLE SCATTERING AND FINITE GEOMETRY

13-AL-27 2.96+00 3.36+00 2 N,N'
13-AL-27 1.78+00 3.36+00 9 N,N'
24-CR-52 1.78+00 3.76+00 10 N,N'
26-FE-56 1.37+00 3.76+00 14 N,N'
26-FE-56 3.36+00 3.76+00 2 N,N'
83-BI-209 1.37+00 3.76+00 17 N,N'

3398 INDC/COP1-77/U PAGE 44 (1970) V.P.VERTEBNII, N.L.GNIDAK,
E.A.PAVLENKO, M.V.PASECHNIK
VF1-7 (1969)
IS THE ORIGINAL REPORT IN RUSSIAN. PUBLISHED BY ATOMIZDAT.
TIME OF FLIGHT METHOD. MAGNETIC SCATTERING CROSS SECTION
SUBTRACTED

70-YB-NAT 2.50-08 4.06-06 54 SCATTER

3399 INDC-232 PAGES 42-44 (1967) V.P.VERTEBNII, V.A.CULKO,
A.N.MAISTRENKO, V.F.RAZBUDEY
VF1-5 (1967)

31-GA-NAT 1.26-09 1.49-07 89 SCATTER

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-453 ***

REF.NQ.=3399

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3399

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3399 IS THE ORIGINAL REPORT IN RUSSIAN, PUBLISHED BY ATOMIZDAT.
TIME OF FLIGHT METHOD. RESOLUTION ABOUT 20 MICROSEC/M. LIQUID
(31 DEGREES C) SAMPLE

3400 UKR. FIZ. ZH. 14, 330 (1969) G.A. PROKOPESC, V.I. STRIZHAK
TRANSMISSION METHOD. CORRECTED FOR FINITE GEOMETRY AND
MULTIPLE SCATTERING

9-F -19 2.80+00 2.80+00 1 N,N'
13-AL-27 2.80+00 2.80+00 1 N,N'
26-FE-NAT 2.80+00 2.80+00 1 N,N'
29-CU-NAT 2.80+00 2.80+00 1 N,N'
82-PB-NAT 2.80+00 2.80+00 1 N,N'

3401 INDC-140 PAGE 10 (1966) A.A. BERGMAN, S.P. KAPCHIGASHEV,
A.V. SHAPAR
YF1-3 (1966)
IS THE ORIGINAL REPORT IN RUSSIAN, PUBLISHED BY ATOMIZDAT.
LEAD SLOWING-DOWN SPECTROMETER

39-Y -89 7.00-05 4.80-02 41 N.O

3402 JINR-P3-4992 (1970) YU.V. RYABOV, SO DON SIK, N. CHIKOV,
N. JANEVA (DUBNA)
TIME OF FLIGHT TECHNIQUE. RESOLUTION VARIED FROM 40 TO 55
MICROSEC/M. AREA ANALYSIS

92-U -234 5.19-06 5.19-06 1 RES. PARAM.
92-U -235 2.90-07 5.02-05 569 RES. PARAM.

3403 JINR-P3-5655 (1971) E.N. KARZHAVINA, A.B. POPOV (DUBNA)
TIME OF FLIGHT TECHNIQUE. AREA ANALYSIS

62-SM-147 1.80-05 4.00-04 2 AV. RES. PARAM.
62-SM-147 1.33-05 4.23-04 134 RES. PARAM.
62-SM-149 1.50-05 1.30-04 3 AV. RES. PARAM.
62-SM-149 1.58-05 2.48-04 244 RES. PARAM.

3404 YAD. FIZ. 12, 1121 (1970) G.V. ANIKIN, I.I. KOTUKHOV
TRANSLATION IN
SOVIET J. NUCLEAR PHYS. 12, 614 (1971)
YF1-10 (1970)
IS THE ORIGINAL REPORT IN RUSSIAN, PUBLISHED BY ATOMIZDAT,
AND TRANSLATED IN
INDC(CCP)-15/U PAGE 7 (1971)
IONIZATION CHAMBER. CONVERSION FOR L TO CM SYSTEM WAS
NEGLECTED

29-CU-NAT 1.33+00 8.40+00 153 ELASTIC D(A)
82-PB-NAT 1.33+00 8.40+00 153 ELASTIC D(A)
92-U -NAT 5.75-01 8.40+00 187 ELASTIC D(A)

3405 ATOMNAYA ENERGIYA 30, 55 (1971) I.M. KUKS, V.I. MATVIENKO,
YU.A. NEMILOV, K.A. PETRIZHAK, YU.A. SCLITSKII, V.B. FUMSHTEIN
DETECTED FISSION FRAGMENTS

92-U -238 2.50+00 2.50+00 1 N.FISS

3406 ATOMNAYA ENERGIYA 30, 455 (1971) M.E. GURTOVOJ, A.S. KUKHLENKO,
E.P. KADKIN, B.E. LESCHENKO, V.I. STRIZHAK
RING GEOMETRY. TIME OF FLIGHT METHOD

22-TI-NAT 1.40+01 1.40+01 12 ELASTIC D(A)
22-TI-48 1.40+01 1.40+01 11 N,N' D(A)
26-FC-NAT 1.40+01 1.40+01 11 ELASTIC D(A)
26-FE-56 1.40+01 1.40+01 11 N,N' D(A)
39-Y -89 1.40+01 1.40+01 12 ELASTIC D(A)
39-Y -89 1.40+01 1.40+01 4 N,N' D(A)
40-ZR-NAT 1.40+01 1.40+01 11 ELASTIC D(A)
40-ZR-NAT 1.40+01 1.40+01 20 N,N' D(A)

3407 INDC(CCP)-31/U PAGE 58 (1972) V.P. VERTEBNII, M.F. VLASOV,
N.L. GNIDAK, A.L. KIRILYUK, E.A. PAVLENKO, M.V. PASECHNIK,
N.A. TROFIMOVA, A.F. FEDOROVA

66-DY-161 2.53-08 1.50-06 28 TOTAL
66-DY-161 2.53-08 2.53-08 1 SCATTER
66-DY-161 2.53-08 2.53-08 1 ABSORP

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-460 ***

REF. NO. = 3407

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3407

REF BIBLIOGRAPHY

3407 YF1-11 (1970)

IS THE ORIGINAL REPORT IN RUSSIAN, PUBLISHED BY ATOMIZDAT.
TIME OF FLIGHT METHOD. RESOLUTION OF ABOUT 1.5 MICROSEC/M

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
66-DY-162	2.53-08 1.50-06	28	TOTAL
66-DY-162	2.53-08 2.53-08	1	SCATTER
66-DY-162	2.53-08 2.53-08	1	ABSORP
66-DY-163	2.53-08 1.50-06	28	TOTAL
66-DY-163	2.53-08 2.53-08	1	SCATTER
66-DY-163	2.53-08 2.53-08	1	ABSORP
66-DY-164	2.53-08 1.50-06	28	TOTAL
66-DY-164	2.53-08 2.53-08	1	SCATTER
66-DY-164	2.53-08 2.53-08	1	ABSORP

3408 UKR. FIZ. ZH. 14, 1968 (1969) V.P. VERTEBNII, M.F. VLASOV,
A.F. DEDAKINA, R.A. ZATSEKOVSKY, A.L. KIRILYUK, M.V. PASECHNIK,
N.A. TROFIMOVA
YF1-7 (1969)
IS THE ORIGINAL REPORT IN RUSSIAN, PUBLISHED BY ATOMIZDAT,
AND TRANSLATED IN
INDC(CCP)-77/U PAGE 42 (1970)
TIME OF FLIGHT TECHNIQUE. RESOLUTION OF 7 MICROSEC/M. AREA
ANALYSIS

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
76-OS-187	5.78-09 2.79-07	120	TOTAL
76-OS-187	9.4-06 6.50-05	1	AV. RES. PARAM.
76-OS-187	9.45-06 6.50-05	9	RES. PARAM.
76-OS-188	3.92-05 8.34-05	2	RES. PARAM.
76-OS-189	6.70-06 2.80-05	1	AV. RES. PARAM.
76-OS-189	6.70-06 2.80-05	6	RES. PARA 1.

3409 UKR. FIZ. ZH. 14, 1910 (1969) V.P. VERTEBNII, A.I. KALCHENKO,
M.V. PASECHNIK, ZH. I. PISANKO, G.S. PADUN, V.K. RUDYSHIN
TIME OF FLIGHT METHOD. RESOLUTION 0.2 MICROSEC/M (UP TO 3 EV)
AND 0.05 MICROSEC/M UP TO 1000 EV. SINGLE LEVEL ANALYSIS

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
66-DY-156	2.15-06 4.69-05	2	AV. RES. PARAM.
66-DY-156	2.15-06 1.24-04	54	RES. PARAM.
66-DY-158	3.80-05 2.71-04	12	RES. PARAM.
66-DY-160	1.88-06 8.50-05	14	RES. PARAM.

3410 JINR-P3-6237 (1972) E.N. KARZHAVINA, KIM SEK SU, A.B. POPOV
(OUBNA)
TIME OF FLIGHT TECHNIQUE. RESOLUTION OF 16 NSEC/M. RATIOS OF
RESONANCE PEAK AREAS USED FOR SPIN IDENTIFICATION OF LEVELS

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
62-SM-147	3.40-05 4.12-04	6	AV. RES. PARAM.
62-SM-147	3.40-05 4.12-04	58	RES. PARAM.
62-SM-149	4.98-05 1.54-04	2	AV. RES. PARAM.
62-SM-149	4.98-05 2.58-04	84	RES. PARAM.

3411 YAD. FIZ. 15, 1099 (1972) D.V. VIKTOROV, V.L. ZYABLIN
TRANSLATION IN
SOVIET J. NUCLEAR PHYS. 15, 608 (1972)
ACTIVATION METHOD

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
31-GA-39	1.41+01 1.41+01	1	N, E
31-GA-71	1.41+01 1.41+01	1	N, 2N
33-AS-75	1.41+01 1.41+01	1	N, 2N
62-SM-144	1.41+01 1.41+01	1	N, 2N
62-SM-154	1.41+01 1.41+01	1	N, 2N
64-GD-160	1.41+01 1.41+01	1	N, 2N

3412 INDC(CCP)-30/U PAGE 14 (1972) P.E. VOROTNIKOV, V.A. VUKOLQV,
E.A. KOLTYNIN, YU.D. MOLCHANOV, G.B. YANKOV
YF1-12 (1971)
IS THE ORIGINAL REPORT IN RUSSIAN, PUBLISHED BY ATOMIZDAT.
DETECTED FISSION FRAGMENTS, GAMMAS AND FAST NEUTRONS IN
COINCIDENCE. TIME OF FLIGHT TECHNIQUE

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
92-U -235	5.00-03 1.40-01	32	ALPHA RES. INT.

3413 INDC(CCP)-30/U PAGE 64 (1972) V.P. VERTEBNII, M.F. VLASOV,
R.A. ZATSEKOVSKY, A.I. IGONATENKO, A.L. KIRILYUK, N.A. TROFIMOVA,
A.F. FEDOROVA
YF1-12 (1971)
IS THE ORIGINAL REPORT IN RUSSIAN, PUBLISHED BY ATOMIZDAT.
TIME OF FLIGHT TECHNIQUE. RESOLUTION OF 3.5 MICROSEC/M

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
63-EU-NAT	1.00-08 3.00-07	30	TOTAL
63-LU-151	1.00-08 3.00-07	30	TOTAL
63-EU-153	1.00-08 3.00-07	30	TOTAL
79-AU-197	1.00-08 1.00-06	31	TOTAL

3414 INDC(CCP)-30/U PAGE 19 (1972) P.E. VOROTNIKOV, S.M. OUBROVINA,

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
92-U -238	5.00-01 1.45+00	19	N, FISS

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-461 ***

REF. NO. = 3414

07/04/76

FCSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3414

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3414 G.A. OTROSHCHENKO, V.A. SHIGIN

YF1-12 (1971)

IS THE ORIGINAL REPORT IN RUSSIAN, PUBLISHED BY ATOMIZDAT.
RESOLUTION WAS 20 KEV3415 FE1-227 (1970) L.I. PROKHOROVA, R.E. BAGDASARYAN, I.I. KOTUKHOV,
V.G. NESTEROV, L. MURPEISOV, G.N. SHIRENKIN, YU.M. TURCHIN
FISSION FRAGMENTS AND NEUTRONS IN COINCIDENCE

92-U -235 0. 1.51+00 13 NU-PRMT

3416 YAD. FIZ. 14, 509 (1971) A.P. BOGDANOV, V.A. KNAT'KO,
A.V. SOROKA, V.N. TADEUSH

TRANSLATION IN

SOVIET J. NUCLEAR PHYS. 14, 509 (1972)

GE(L1) SPECTROMETER

26-FC-58 2.50-08 2.50-08 13 N.G

3417 YAD. FIZ. 15, 1093 (1972) DZH.O. DZHAFAR, A.A. ABULIAH,
N.KH. AL-KURAIISHI, M.S. AL-VASH, M.A. KHALIL, A.M. DEMIDOV

TRANSLATION IN

SOVIET J. NUCLEAR PHYS. 15, 605 (1972)

GE(L1) SPECTROMETER

14-SI-30 2.50-08 2.50-08 14 N.G

16-S -34 2.50-08 2.50-08 21 N.G

3418 YAD. FIZ. 15, 625 (1972) L.V. GROSHEV, L.I. GOVOR, A.M. DEMIDOV
TRANSLATION IN

SOVIET J. NUCLEAR PHYS. 15, 347 (1972)

GE(L1) SPECTROMETER

38-SR-86 2.50-08 2.50-08 31 N.G

40-ZR-92 2.50-08 2.50-08 14 N.G

3419 JINR-P3-6545 (1972) L. LASON, KH. MALETSKII, L.B. PIKEL'NER,
I.M. SALAMATIN, E.I. SHARAPOV

TIME OF FLIGHT METHOD. RESOLUTION OF 8 NSEC/M. AREA ANALYSIS

77-IR-191 0. 1.80-04

77-IR-191 1.92-05 2.25-04

77-IR-193 0. 3.90-04

77-IR-193 2.45-05 3.91-04

1 AV.RES.PARAM.

52 RES.PARAM.

1 AV.RES.PARAM.

42 RES.PARAM.

3420 UKR. FIZ. ZH. 17, 38 (1972) V.P. VERTEBNII, M.F. VLASOV,
N.L. GNIDAK, E.I. GRISHANIN, R.A. ZATSEKOVSKY, A.L. KIRILYUK,
V.I. LEPENDIN, M.V. PASECHNIK, N.A. TROFIMOVA, A.F. FEDOROVA

YF1-6 (1968)

IS THE ORIGINAL REPORT IN RUSSIAN, PUBLISHED BY ATOMIZDAT.

AND TRANSLATED IN

INDC-2606 PAGE 115 (1969)

TIME OF FLIGHT METHOD

48-CD-NAT 4.65-06 4.65-06

48-CD-111 2.00-08 2.50-07

48-CD-111 2.53-08 4.65-06

48-CD-111 2.53-08 2.53-08

48-CD-112 2.00-08 2.50-07

48-CD-112 2.53-08 4.65-06

48-CD-112 2.53-08 2.53-08

48-CD-114 2.00-08 2.50-07

48-CD-114 2.53-08 4.65-06

48-CD-114 2.53-08 2.53-08

48-CD-116 2.00-08 2.50-07

48-CD-116 2.53-08 4.65-06

48-CD-116 2.53-08 2.53-08

1 SCATTER

20 TOTAL

3 SCATTER

1 N.G

20 TOTAL

3 SCATTER

1 N.G

20 TOTAL

3 SCATTER

1 N.G

20 TOTAL

3 SCATTER

1 N.G

3421 YAD. FIZ. 15, 29 (1972) K.E. VOLODIN, V.G. NESTEROV,
B. MURPEISOV, G.N. SHIRENKIN, YU.M. TURCHIN, V.N. KOSYAKOV,
L.V. CHISTYAKOV, I.K. SHVILISOV, V.M. SHUDKO, L.N. MEZENTSEV,

V.N. OKOLOVICH

TRANSLATION IN

SOVIET J. NUCLEAR PHYS. 15, 17 (1972)

YF1-12 (1971)

98-CF-249 2.53-08 2.53-08 1 NU-PRMT

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-462 ***

REF.NO.=3421

07/04/75

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3421

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3421 IS THE ORIGINAL REPORT IN RUSSIAN, PUBLISHED BY ATOMIZDAT,
AND TRANSLATED IN
INDC(CCP)-30/U PAGE 10 (1972)
COINCIDENCE MEASUREMENT OF NEUTRONS AND FISSION FRAGMENTS

3422 ATOMNAYA ENERGIYA 33, 788 (1972) V.N.KOSYAKOV, V.G.WESTEROV,
B.MURPEISOV, L.I.PROKHOROVA, G.N.SMIRENNIK, I.K.SHVETSOV
COINCIDENCE MEASUREMENT BETWEEN NEUTRONS AND FISSION
FRAGMENTS

97-BK-249 -5.46+00-5.46+00

1 NU-PRMT

3423 INDC(CCP)-30/U PAGE 60 (1972) V.P.VERTEBNII, P.N.BORONA,
A.I.KALCHENKO, V.V.KOLOTTII, M.M.PASECHNIK, V.A.PSHENICHNYI,
ZH.I.PISANKO, V.K.RUDYSHIN
YF1-12 (1971)
IS THE ORIGINAL REPORT IN RUSSIAN, PUBLISHED BY ATOMIZDAT.
TIME OF FLIGHT TECHNIQUE. RESOLUTION OF 50 NSEC/M

70-YB-168 6.00-07 2.89-04
70-YB-168 6.00-07 2.89-04
76-05-186 2.23-05 2.74-04
76-05-186 2.23-05 2.74-04
76-05-187 9.46-06 1.24-04
76-05-187 9.46-06 1.24-04
76-05-188 3.84-05 3.86-04
76-05-188 3.84-05 3.86-04
76-05-189 6.75-06 3.23-04
76-05-189 6.75-06 3.23-04
76-05-190 1.11-05 5.63-04
76-05-190 1.11-05 5.63-04
76-05-192 2.03-05 7.17-04
76-05-192 2.03-05 7.17-04

1 AV.RES.PARAM.
22 RES.PARAM.
2 AV.RES.PARAM.
5 RES.PARAM.
2 AV.RES.PARAM.
10 RES.PARAM.
2 AV.RES.PARAM.
7 RES.PARAM.
2 AV.RES.PARAM.
35 RES.PARAM.
1 AV.RES.PARAM.
6 RES.PARAM.
2 AV.RES.PARAM.
6 RES.PARAM.

3424 IAE-2116 (1971) YU.G.SHCHEPKIN, G.V.MURADYAN, YU.V.ADMCHUK
YF1-12 (1971)
IS THE ORIGINAL REPORT IN RUSSIAN, PUBLISHED BY ATOMIZDAT,
AND TRANSLATED IN
INDC(CCP)-30/U PAGE 21 (1972)
TIME OF FLIGHT TECHNIQUE. AREA ANALYSIS

48-CD-112 6.69-05 3.02-03
48-CD-112 6.69-05 3.02-03
48-CD-112 6.69-05 3.97-03

4 AV.RES.PARAM.
1 AV.RES.PARAM.
66 RES.PARAM.

3425 ATOMNAYA ENERGIYA 29, 338 (1970) A.T.BAKOV,
V.G.DVUKHSHERSTNOV, YU.A.KAZANSKII
SCINTILLATION SPECTROMETER

11-NA-23 1.00+00 1.00+00
13-AL-27 1.00+00 1.00+00
22-11-NAT 1.00+00 1.00+00
23-V-NAT 1.00+00 1.00+00
25-MN-55 1.00+00 1.00+00
26-FE-NAT 1.00+00 1.00+00
28-NI-NAT 1.00+00 1.00+00
29-CU-NAT 1.00+00 1.00+00
30-ZN-NAT 1.00+00 1.00+00
40-ZR-NAT 1.00+00 1.00+00
82-PB-NAT 1.00+00 1.00+00
83-P1-209 1.00+00 1.00+00
92-U-238 1.00+00 1.00+00

2 N,N' SPECT.AV.
6 N,N' SPECT.AV.
2 N,N' SPECT.AV.
4 N,N' SPECT.AV.
6 N,N' SPECT.AV.
6 N,N' SPECT.AV.
3 N,N' SPECT.AV.
7 N,N' SPECT.AV.
4 N,N' SPECT.AV.
4 N,N' SPECT.AV.
3 N,N' SPECT.AV.
4 N,N' SPECT.AV.
3 N,N' SPECT.AV.

3426 YK-9 PAGE 53 (1972) YU.A.NEMILOV, YU.N.TROFIMOV
ACTIVATION METHOD

13-AL-27 8.00+00 6.30+00
13-AL-27 7.70+00 6.30+00

4 N,P
4 N,A

3427 YK-9 PAGE 50 (1972) G.N.MASLOV, F.NASYROV, N.F.PASHKIN
ACTIVATION TECHNIQUE

7-N-NAT 1.41+01 1.41+01
8-O-NAT 1.41+01 1.41+01
11-NA-23 1.42+01 1.46+01

2 TOTAL
1 TOTAL
2 N,N

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-463 ***

REF.NO.=3427

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3427

REF BIBLIOGRAPHY

3427

TARGET EN. RANGE (MEV) PTS DESCRIPTION

22-TI-46	1.42+01	1.42+01	1 N,2N
24-CR-52	1.42+01	1.46+01	2 N,2N
25-MN-55	1.46+01	1.46+01	1 N,2N
26-FE-54	1.46+01	1.46+01	1 N,A
27-CO-59	1.46+01	1.46+01	1 N,P
28-NI-56	1.45+01	1.46+01	1 N,P
28-NI-58	1.42+01	1.46+01	2 ACTIVAT
28-NI-60	1.42+01	1.42+01	1 N,P
28-NI-61	1.46+01	1.46+01	1 N,P
28-NI-62	1.42+01	1.46+01	2 N,P
29-CU-63	1.46+01	1.46+01	1 N,A
29-CU-65	1.42+01	1.46+01	2 N,P
42-MO-92	1.42+01	1.42+01	1 N,2N
42-MO-100	1.42+01	1.42+01	1 N,2N
53-I -127	1.42+01	1.42+01	1 N,2N
65-CS-133	1.42+01	1.42+01	1 N,2N
74-W -182	1.42+01	1.42+01	1 N,2N
79-AU-197	1.42+01	1.42+01	1 N,2N
82-PB-NAT	1.42+01	1.42+01	1 N,2N
82-PB-204	1.42+01	1.46+01	2 N,N'
82-PB-204	1.42+01	1.46+01	2 N,2N
82-PB-206	1.42+01	1.46+01	2 N,A
82-PB-208	1.46+01	1.46+01	1 N,P

3428 FEI-12 PAGE 16 (1971) M.V.SAVIN, YU.A.KHOKHLOV,
I.N.PARAMONOVA, V.A.CHIRKIN
TIME OF FLIGHT METHOD (1 NSEC/M), LIQUID SCINTILLATOR

92-U -238 1.27+00 5.87+00 46 NU-PRMT

3429 ATOMNAYA ENERGIYA 33, 767 (1972) L.I.PROKHOROVA,
V.G.WESTEROV, G.N.SMIRENKIN, G.V.GRISHIN, E.A.NIKITIN,
V.N.POLYNOV, V.V.RACHEV
COINCIDENCE BETWEEN NEUTRONS AND FISSION FRAGMENTS

96-CM-244	-6.86+00	-6.86+00	1 NU-PRMT
96-CM-246	-6.45+00	-6.45+00	1 NU-PRMT
96-CM-248	-6.21+00	-6.21+00	1 NU-PRMT

3430 JINT-P-15-6218 (1972) YU.TS.DGANESYAN
COINCIDENCE BETWEEN NEUTRON AND FISSION FRAGMENT DETECTORS

100-FM-256 -6.37+00-6.37+00 1 NU-PRMT

3431 INDC(CCP)-32/U PAGE 23 (1973) V.P.VERTEBNII, M.F.VLASOV,
N.L.ONIDAK, R.A.ZATSEKOVSKY, A.I.ICHATENKO, A.L.KIRILYUK,
E.A.PAVLENKO, N.A.TROFIMOVA, A.F.FEDOROVA
YFI-13 (1973)
IS THE ORIGINAL REPORT IN RUSSIAN.
TIME OF FLIGHT TECHNIQUE, RESOLUTION OF 3.5 MICROSEC/M

23-V -50	9.00+09	1.00+08	38 TOTAL
23-V -50	2.53+08	2.53+08	1 ABSORP
23-V -50	5.04+07	5.04+07	1 SCATTER SPECT.AV.

3432 YFI-14 PAGE 6 (1972) P.E.VOROTNIKOV, Z.S.GLADKIKH,
A.V.DAVYDOV, S.M.DUBHOVINA, G.A.OTROSHCHENKO, E.S.PAL'SHIN,
V.A.SHIGIN, V.M.SHURKO
DETECTED FISSION FRAGMENTS

90-TH-228 1.90+01 5.00+00 19 N,FISS

3433 PHYS. REV. C, 1, 358 (1970) W.-D.LU, N.RAMAKUMAR, R.W.FINK
(GEORGIA INST. TECH.)
ACTIVATION TECHNIQUE USING THE MIXED POWDER METHOD

40-ZR-90	1.44+01	1.44+01	1 N,P
40-ZR-91	1.44+01	1.44+01	1 N,P
40-ZR-92	1.44+01	1.44+01	1 N,P
40-ZR-94	1.44+01	1.44+01	1 N,A

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-454 ***

REF.NO.=3433

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3433

REF BIBLIOGRAPHY

3433

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
41-NB-93	1.44+01 1.44+01	1	N.A
42-MO-92	1.44+01 1.44+01	1	N.P
42-MO-92	1.44+01 1.44+01	1	N.A
42-MO-92	1.44+01 1.44+01	1	N.A
42-MO-96	1.44+01 1.44+01	1	N.P
42-MO-97	1.44+01 1.44+01	2	N.P
42-MO-98	1.44+01 1.44+01	1	N.P
42-MO-98	1.44+01 1.44+01	1	N.A
44-RU-96	1.44+01 1.44+01	1	N.P
44-RU-96	1.44+01 1.44+01	1	ACTIVAT
44-RU-96	1.44+01 1.44+01	1	ACTIVAT
45-RH-103	1.4+01 1.44+01	1	N.P
46-PD-105	1.44+01 1.44+01	1	N.P
46-PD-105	1.44+01 1.44+01	1	N.P
46-PD-105	1.44+01 1.44+01	1	N.P
46-PD-105	1.44+01 1.44+01	1	N.A
46-PD-108	1.44+01 1.44+01	1	N.P
46-PD-108	1.44+01 1.44+01	1	N.A
48-CD-112	1.44+01 1.44+01	1	N.P
50-SN-116	1.44+01 1.44+01	1	N.P
50-SN-117	1.44+01 1.44+01	1	N.P
50-SN-117	1.44+01 1.44+01	1	N.P
55-CS-133	1.44+01 1.44+01	1	N.A
56-BA-138	1.44+01 1.44+01	1	N.P
56-BA-138	1.44+01 1.44+01	1	N.A
56-BA-138	1.44+01 1.44+01	1	N.A
56-CE-140	1.44+01 1.44+01	1	N.P
58-CE-142	1.44+01 1.44+01	1	N.A

3434 NUCLEAR SCIENCE AND ENGINEERING 46, 314 (1971) R.H.FULMER,
D.P.STRICOS, T.F.RUANE (KAPL)
ACTIVATION TECHNIQUE

40-ZR-94	2.53-08 2.53-08	1	N.O
40-ZR-94	5.50-07 1.50+01	1	N.O
40-ZR-96	2.53-08 2.53-08	1	N.O
40-ZR-96	5.50-07 1.50+01	1	N.O

RES.INT.

RES.INT.

3435 J. NUCLEAR ENERGY 27, 409 (1973) D.C.SANTRY, R.D.WERNER
(CHALK R.)
ACTIVITY DEPLETION METHOD

54-XE-135	2.74-08 2.74-08	1	N.O
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SPECT.AV.

3436 NUCLEAR SCIENCE AND ENGINEERING 49, 317 (1972)
L.R.FAWCETT, JR., A.K.FURR, J.G.LINDSAY (VPI&SU BLACKSBURG,VA.)
ACTIVATION TECHNIQUE

62-SM-154	5.00-03 1.60-01	16	N.O
64-GD-160	5.00-03 1.60-01	16	N.O
66-OY-164	5.00-03 1.60-01	16	N.O
67-HO-165	5.00-03 1.60-01	16	N.O

3437 NUCLEAR PHYS. 190, 635 (1972) D.R.METHAWAY (ILL)
ACTIVATION TECHNIQUE

21-SC-45	1.39+01 1.49+01	4	N,2N
39-Y-89	1.37+01 1.49+01	16	N,2N
40-ZR-90	1.36+01 1.49+01	12	N,2N
41-NB-93	1.38+01 1.49+01	11	N,2N
63-EU-151	1.48+01 1.48+01	1	N,2N
69-TM-169	1.38+01 1.49+01	9	N,2N
71-LU-175	1.38+01 1.44+01	8	N,2N
79-AU-197	1.38+01 1.49+01	10	N,2N

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-465 ***

REF.NO.=3437

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3438

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3438 NYO-73-340 (1970) J.P.FELVINCI, J.TORAKAR, E.MELKONIAN (COLUMBIA U.) NEVIS TIME OF FLIGHT SPECTROMETER	90-TH-229	6.10-07 5.10-05	34	RES.PARAM.
3439 NUCLEAR PHYS. 201, 1 (1973) P.LAMBROPOULOS, P.T.GUENTHER, A.B.SMITH, J.F.WHALEN (ANL) TIME OF FLIGHT DATA	42-MO-NAT	1.02-01 1.49+00	462	TOTAL
	42-MO-92	1.01-01 1.49+00	594	TOTAL
	42-MO-92	3.00-01 1.50+00	129	ELASTIC
	42-MO-92	3.00-01 1.50+00	1040	ELASTIC D(A)
	42-MO-94	1.01-01 1.49+00	558	TOTAL
	42-MO-94	3.00-01 1.50+00	117	ELASTIC
	42-MO-94	1.12+00 1.50+00	27	N,N'
	42-MO-94	3.00-01 1.50+00	944	ELASTIC D(A)
	42-MO-94	1.12+00 1.50+00	195	N,N' D(A)
	42-MO-96	1.27-01 1.49+00	544	TOTAL
	42-MO-96	3.00-01 1.49+00	121	ELASTIC
	42-MO-96	1.03+00 1.50+00	38	N,N'
	42-MO-96	3.00-01 1.49+00	968	ELASTIC D(A)
	42-MO-96	1.03+00 1.50+00	276	N,N' D(A)
	42-MO-98	1.27-01 1.49+00	549	TOTAL
	42-MO-98	3.00-01 1.49+00	123	ELASTIC
	42-MO-98	1.02+00 1.50+00	59	N,N'
	42-MO-98	3.00-01 1.49+00	971	ELASTIC D(A)
	42-MO-98	1.02+00 1.50+00	413	N,N' D(A)
	42-MO-100	1.24-01 1.49+00	552	TOTAL
	42-MO-100	3.40-01 1.49+00	83	ELASTIC
	42-MO-100	9.00-01 1.50+00	89	N,N'
	42-MO-100	3.40-01 1.49+00	664	ELASTIC D(A)
	42-MO-100	1.00+00 1.50+00	343	N,N' D(A)
3440 PHYS. REV. C, 7, 1076 (1973) A.W.OBST, J.L.WEIL (U.KENTUCKY) VAN DE GRAAFF NEUTRON SOURCE	14-SI-NAT	9.80+00 9.80+00	1	ELASTIC
	14-SI-NAT	9.80+00 9.80+00	1	N,N'
	14-SI-NAT	9.80+00 9.80+00	20	ELASTIC D(A)
	14-SI-NAT	9.80+00 9.80+00	18	N,N' D(A)
	16-S-NAT	9.80+00 9.80+00	1	ELASTIC
	16-S-NAT	9.80+00 9.80+00	1	N,N'
	16-S-NAT	9.80+00 9.80+00	20	ELASTIC D(A)
	16-S-NAT	9.80+00 9.80+00	18	N,N' D(A)
3441 NUCLEAR PHYS. 199, 513 (1973) R.H.LINDSAY, W.TOWES, J.J.VEIT (WESTERN WASHINGTON STATE COLLEGE)	3-LI-7	1.48+01 1.48+01	2	N,P D(A)
	3-LI-7	1.48+01 1.48+01	5	N,D D(A)
3442 NUCLEAR PHYS. 203, 89 (1973) J.M.COX, H.D.KNOX, R.O.LANE, R.W.FINLAY (OHIO U.) COCKCROFT-HALTON (O.D) NEUTRON SOURCE	5-B -10	2.63+00 2.63+00	8	ELASTIC D(A)
	5-B -10	2.75+00 2.75+00	2	RES.PARAM.
3443 LA-5048 (1972) O.M.DRAKE (LASL) VAN DE GRAAFF TIME OF FLIGHT NEUTRON SOURCE	92-U -235	1.00+00 2.00+00	28	N,XG D(E,A)
	94-Pu-239	1.00+00 2.00+00	28	N,XG D(E,A)
3444 ANL-7930 PAGE 118 (1971) M.ATOJI (ANL) POTASSIUM USED AS A STANDARD	35-Br-NA*	7.16-08 7.16-08	1	COHERT
	53-I -127	7.16-08 7.16-08	1	COHERT
3445 NUCLEAR PHYS. 137, 97 (1969) P.BEUZILL, J.DELAUNAY, J.P.FOUAN,	21-SC-45	4.60-01 1.69+00	70	N,N'
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

*** 3-466 ***

REF. NO. = 3445

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3445

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3445 P. RONSON (SACLAY)
GAMMA RAY COINCIDENCES WITH A MULTI-PARAMETER ANALYZING
SYSTEM

3446 NUCLEAR PHYS. 191, 641 (1972) I. BERGQVIST, D.M. DRAKE,
D.K.MC DANIELS (LASL)
VAN DE GRAAFF TIME OF FLIGHT NEUTRON SOURCE

62-PB-208 7.20+00 1.47+01 8 N.G

3447 ORNL-4805 (1974) F.G. PEREY, W.E. KINNEY (ORNL)
TIME OF FLIGHT NEUTRON SOURCE

7-N -NAT 4.34+00 8.56+00 8 ELASTIC
7-N -14 6.01+00 8.56+00 17 N,N'
7-N -14 4.34+00 8.56+00 136 ELASTIC D(A)
7-N -14 6.01+00 8.56+00 93 N,N' D(A)

3448 ORNL-4810 (1973) W.E. KINNEY, F.G. PEREY (ORNL)
TIME OF FLIGHT NEUTRON SOURCE

22-T1-NAT 4.34+00 8.56+00 5 ELASTIC
22-T1-NAT 4.07+00 8.56+00 35 N,N'
22-T1-NAT 4.34+00 8.56+00 11 N,N'
22-T1-NAT 4.67+00 8.56+00 105 ELASTIC D(A)
22-T1-NAT 5.23+00 8.56+00 1 SCATTER D(A)
22-T1-NAT 4.07+00 8.56+00 197 N,N' D(A)
22-T1-NAT 4.34+00 8.56+00 84 N,N' D(A)
22-T1-NAT 5.23+00 8.56+00 5388 N,N' D(E,A)

3450 PHYS. REV. C, 8, 1938 (1973) J.H. LANDRUM, R.J. NAGLE,
M. LINDNER (ILL)
400 KEV I.C.T. NEUTRON SOURCE

92-U -238 1.37+01 1.49+01 7 N,2N
93-KO-237 1.37+01 1.49+01 5 N,2N
93-NP-237 1.37+01 1.49+01 5 N,2N

3451 Z. PHYSIK 268, 359 (1974) W.P. POENITZ (ANL)

3-L1-6 9.10-02 1.50+00 57 N,T

3452 ORNL-4155 (1967) J.H. GILLETTE (ORNL)
REACTOR- AND CYCLOTRON-PRODUCED RADIOISOTOPES

68-ER-167 2.53-08 2.53-08 1 N,G SPECT. AV.
68-ER-167 5.40-07 1.50+01 1 N,G RES. INT.
68-ER-168 2.53-08 2.53-08 1 N,G SPECT. AV.
68-ER-168 5.40-07 1.50+01 1 N,G RES. INT.
68-ER-170 2.53-08 2.53-08 1 N,G SPECT. AV.
68-ER-170 5.40-07 1.50+01 1 N,G RES. INT.
69-TH-169 2.53-08 2.53-08 1 N,G SPECT. AV.
69-TH-169 5.40-07 1.50+01 1 N,G RES. INT.
69-TH-170 2.53-08 2.53-08 1 N,G SPECT. AV.
69-TH-170 5.40-07 1.50+01 1 N,G RES. INT.
69-TH-171 2.53-08 2.53-08 1 N,G SPECT. AV.
69-TH-171 5.40-07 1.50+01 1 N,G RES. INT.

3453 ORNL-4804 (1973) W.E. KINNEY, F.G. PEREY (ORNL)
TIME OF FLIGHT NEUTRON SOURCE

92-U -270 4.34+00 4.92+00 2 SCATTER
92-U -230 4.34+00 4.92+00 39 SCATTER D(A)
92-U -238 6.44+00 8.56+00 1184 N,N' D(E,A)

3454 ACTA CRYST. B, 25, 2442 (1969) P. COPPENS, T.M. SABINE (BNL)
NEUTRON DIFFRACTION MEASUREMENT

1-N -2 2.53-08 2.53-08 1 ELASTIC

3455 NUCLEAR PHYS. 211, 1 (1973) R.G. HELMER, C.W. REICH
(NRTS, AERJET, IDAHO FALLS)
THERMAL REACTOR NEUTRON SOURCE

72-HF-177 2.53-08 2.53-08 1 N,G

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-457 ***

REF.NO.=3455

07/04/76

EC51L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3456

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
3456 PHYS. REV. LETTERS 31, 640 (1973) T.C.MONTGOMERY, F.P.BRADY, S.E.BONNER, W.B.BROSTE, M.H.MC NAUGHTON (U.C.DAVIS) CYCLOTRON MEASUREMENT	1-H-1	5.00+01 5.00+01	20 ELASTIC D(A)
3457 TRANS. AM. NUCLEAR SOC. 16, 59 (1973) G.N.SALAITA, P.K.EAPEN (SMU) CYCLIC ACTIVATION TECHNIQUE	33-AS-75 49-IN-115 72-HF-NAT	1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01	1 N,N' 1 N,2N 1 ACTIVAT
3458 ORNL 4003 (1972) F.G.PEREY, T.A.LOVE, W.E.KINNEY (ORNL) TIME OF FLIGHT NEUTRON SOURCE	6-C -NAT 8-O -NAT 13-AL-27 14-SI-NAT 5102 20-CA-NAT 26-FE-NAT	1.81+01 2.94+01 1.87+01 4.65+01 1.87+01 4.65+01 1.87+01 4.65+01 1.87+01 4.65+01 2.00+01 2.94+01 1.87+01 4.65+01	3701 TOTAL 3688 TOTAL 3701 TOTAL 3693 TOTAL 3692 TOTAL 3493 TOTAL 3701 TOTAL
3459 CONF. ON NEUTRON C/S TECHNOLOGY, KNOXVILLE, 2, 792 (1971) R.E.CHRIEN, S.DRITSA, P.G.GRAVES, W.R.KANE, O.A.MASSON (BNL) HIGH RESOLUTION NEUTRON CAPTURE GAMMA RAY SPECTROSCOPY	92-U -235 94-PU-239	2.90+07 6.39+06 3.00+07 4.17+05	5 RES.PARAM. 2 RES.PARAM.
3460 ORNL-4807 (1974) W.E.KINNEY, F.G.PEREY (ORNL) TIME OF FLIGHT NEUTRON SOURCE	28-NI-NAT 28-NI-NAT 28-NI-NAT 28-NI-NAT 28-NI-60 28-NI-60 28-NI-60 28-NI-60	4.34+00 8.56+00 4.07+00 8.56+00 4.07+00 8.56+00 4.07+00 8.56+00 4.34+00 4.92+00 4.07+00 5.50+00 4.34+00 4.92+00 4.07+00 5.50+00	5 ELASTIC 22 N,N' 115 ELASTIC D(A) 96 N,N' D(A) 2 ELASTIC 14 N,N' 41 ELASTIC D(A) 125 N,N' D(A)
3461 PHYS. REV. C, 2, 2390 (1970) G.TESSLER, S.S.GLICKSTEIN, E.E.CARROLL, JR. (BETTS) VAN DE GRAAFF NEUTRON SOURCE	40-ZR-92 40-ZR-92 40-ZR-94 40-ZR-94	1.5+00 2.68+00 1.14+00 2.41+00 1.32+00 2.57+00 9.36+01 2.36+00	49 N,N' 16 N,N' 47 N,N' 31 N,N'
3462 NUCLEAR SCIENCE AND ENGINEERING 54, 317 (1974) J.W.MEADOWS (ANL) ANL-7710 PAGE 13 (1971) VAN DE GRAAFF NEUTRON SOURCE	92-U -233	1.44+01 7.37+00	20 N,FISS C/S RATIO
3463 J. INORG. NUCLEAR CHEM. 34, 1119 (1972) N.C.OYER, J.H.HAMILTON (VANDERBILT U.) COCKROFT-WALTON NEUTRON SOURCE	26-FE-56 26-FE-58	1.44+01 1.44+01 1.44+01 1.44+01	1 N,P 1 N,P
3464 TRANS. AM. NUCLEAR SOC. 16, 315 (1973) L.R.VEESEER, J.B.WILHELMY, D.C.HOFFMAN, A.HEMMENDINGER, G.P.FORD, J.A.FARRELL, J.P.BALAGNA (LASL) LIQUID SCINTILLATOR DETECTOR	100-FM-257	-4.96+00 -4.96+00	1 NU-PRMT
3465 CAN. J. PHYS. 51, 121 (1973) M.C.DUPTA, G.C.TRIPARD (WASHINGTON STATE U.) 10,01 NEUTRON SOURCE	50-FN-NAT 82-PB-NAT	3.65+00 3.65+00 3.65+00 3.65+00	2 ELASTIC D(A) 2 ELASTIC D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-468 ***

REF. NO. = 3465

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3466

REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3465	PRIVATE COMMUNICATION (1974) D.M.DRAKE (LASL) LA-5134 (1973) SEE ALSO REF. 2918	92-U -235	5.00+00 8.00+00	97	N,XG D(E,A)
3467	NUCLEAR SCIENCE AND ENGINEERING 53, 370 (1974) W.P.POENITZ (ANL) TIME OF FLIGHT NEUTRON SOURCE	92-U -235	3.45-02 3.50+00	138	N,FISS
3468	AECL-3073 (1968) A.OKAZAKI, R.E.GREEN (CHALK R.) REACTOR NEUTRON SOURCE	13-AL-27 29-CU-NAT ZIRCALOY-2	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 1 1	ABSORP ABSORP ABSORP
3469	J. INORG. NUCLEAR CHEM. 35, 1063 (1973) J.F.WILD, E.K.MULET, R.W.LOUGHEED (LLL) MICA FISSION-FRAGMENT TRACK RECORDER	94-PU-239 98-CF-253 100-FM-257	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 1 1	N,FISS SPECT.AV. N,FISS SPECT.AV. N,FISS SPECT.AV.
3470	PHYS. REV. C, 2, 763 (1970) M.C.THOMPSON (SAVANNAH R.) BF3 PROPORTIONAL COUNTER	96-CM-246	-6.45+00-6.45+00	1	NU-PRMT
3471	J. INORG. NUCLEAR CHEM. 35, 2139 (1973) O.N.SALAITA, P.K.EAPEN (SMU) CYCLIC ACTIVATION TECHNIQUE	81-TL-203 81-TL-203 81-TL-205 82-PB-NAT 82-PB-206 83-BI-209	1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01 1.48+01	1 1 1 2 1 1	N,2N N,2N N,2N ACTIVAT N,2N N,2N
3472	PHYS. REV. C, 9, 399 (1974) R.C.RAGAN, E.K.MULET, R.W.LOUGHEED, J.F.WILD (LLL) THERMAL NEUTRON SOURCE	98-CF-251 100-FM-255	2.53-08 2.53-08 2.53-08 2.53-08	1 1	N,FISS SPECT.AV. N,FISS SPECT.AV.
3473	PHYS. REV. 178, 1612 (1969) F.P.MODRINO, J.E.MONAHAN, R.E.SGEL (ANL) VAN DE GRAFF NEUTRON SOURCE	5-B -11	2.08-02 2.08-02	4	RES.PARAM.
3474	PHYS. REV. C, 3, 307 (1971) J.A.NELSON, V.R.DAVE, R.M.WILENZICK, J.M.PALMS (TULANE U.) VAN DE GRAFF NEUTRON SOURCE	70-AU-197	1.00+00 2.20+00	136	N,N' D(A)
3475	NUCLEAR PHYS. B, 30, 77 (1971) B.G.GIBBARD, H.J.LONGO, L.W.JONES, J.R.O'FALLON, M.N.KREISLER, M.L.PERL (BNL) USER'S GROUP FROM MICHIGAN, PRINCETON, STANFORD, WORKING AT BNL	1-H -1	6.50+03 2.65+04	73	ELASTIC D(A)
3476	Z. NATURFORSCHG. 28A, 657 (1973) C.O.SHULL, W.M.SHAW (MIT) NEUTRON LAUE DIFFRACTION EXPERIMENT	32-GE-NAT	2.53-08 2.53-08	1	COHERT
3477	PHYS. REV. LETTERS 31, 1077 (1973) G.A.KEYKHORH, C.E.OLSEN, F.T.SIEBEL, J.W.T.DABBS, JR., N.W.HILL (ORNL) PULSED NEUTRON BEAM USING POLARIZED NEUTRONS	92-U -235	1.13-06 5.87-05	65	RES.PARAM.
3478	PHYS. REV. B, 8, 2595 (1973) S.S.MALIK, M.KAMAL, T.TURANO, J.S.DESJARDINS (U.RHODE IS.)	65-18-159 65-18-159	3.54-09 1.73-06 2.53-08 2.53-08	67 1	TOTAL POT, SCT
REF	BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

*** 3-469 ***

REF.NO.=3478

07/04/76

ECSIL-7600 BIBLIOGRAPHY REF. NO. ORDERED)

REF. NO. = 3478

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3478 SLOW-NEUTRON CRYSTAL MONOCHROMATOR

- 3479 CAN. J. PHYS. 51, 2441 (1973) D.C.SANTRY, R.D.WERNER
(CHALK R.)
ACTIVATION TECHNIQUES
40-ZR-94 2.53-08 2.53-08 1 N,G SPECTR.AV.
40-ZR-94 5.00-07 1.50+01 1 N,G RES.INT.
40-ZR-96 2.53-08 2.53-08 1 N,G SPECTR.AV.
40-ZR-96 5.00-07 1.50+01 1 N,G RES.INT.
- 3480 CAN. J. PHYS. 52, 1421 (1974) D.C.SANTRY, J.P.BUTLER
(CHALK R.)
45-RH-103 1.22-01 1.47+01 79 N,N'
- 3481 NUCLEAR SCIENCE AND ENGINEERING 53, 1 (1974) H.M.EILAND,
G.J.KIROUAC (KAPL)
THERMAL NEUTRON SOURCE
28-NI-59 2.53-08 2.53-08 1 N,A
- 3482 NUCLEAR SCIENCE AND ENGINEERING 54, 18 (1974) L.GREEN,
J.A.MITCHELL (BETTS)
THERMAL NEUTRON SOURCE
90-TH-232 2.53-08 2.53-08 1 ELASTIC SPECT.AV.
92-U -233 2.53-08 2.53-08 1 ELASTIC SPECT.AV.
- 3483 NUCLEAR PHYS. 218, 84 (1974) E.R.REDDINGUS, H.POSTMA,
C.E.OLESEN, D.C.ROPER, V.L.SAILOR (BNL)
POLARIZED NEUTRON SOURCE
92-U -235 2.90-07 1.40-05 19 RES.PARAM.
- 3485 J. INORG. NUCLEAR CHEM. 34, 449 (1972) K.W.MAC MURDO,
R.M.HARGOUR (SAVANNAH R.)
REACTOR NEUTRON SOURCE
99-ES-254 2.53-08 2.53-08 1 N,FISS SPECTR.AV.
99-ES-254 6.25-07 1.50+01 1 N,FISS RES.INT.
- 3486 J. INORG. NUCLEAR CHEM. 34, 1105 (1972) M.K.DEWANJEE,
I.L.PREISS (RP1)
(D,T) NEUTRON SOURCE
62-SM-144 1.48+01 1.48+01 1 N,2N
62-SM-144 1.48+01 1.48+01 1 N,2N
- 3487 UCRL-75463 REV. 1 (1974) M.A.GARDNER, D.G.GARDNER (LLL)
I.C.T. NEUTRON SOURCE
13-AL-27 1.35+01 1.49+01 94 N,A
- 3488 BRL-R-1652 (1973) W.P.BUCHER, C.E.HOLLANDSWORTH, A.NILER,
D.MC NATT, J.E.YOUNGBLOOD (U.S.A.BALLISTIC RES.LAB.)
TANDEM VAN DE GRAFF NEUTRON SOURCE.
6-C -NAT 7.40+00 9.50+00 24 ELASTIC DIA)
7-N -NAT 7.40+00 9.50+00 24 ELASTIC DIA)
8-O -NAT 7.40+00 9.50+00 24 ELASTIC DIA)
- 3489 KAPL-3500 (1972) G.J.KIROUAC (KAPL)
THIS IS NOT AVAILABLE FOR EXTERNAL DISTRIBUTION.
28-NI-59 2.53-08 2.53-08 1 ABSORP
28-NI-59 5.00-07 1.50+01 1 ABSORP RES.INT.
28-NI-59 2.03-04 2.03-04 4 RES.PARAM.
- 3490 PHYS. REV. C, 8, 1173 (1973) T.W.BURROWS (U.WISCONSIN)
DEUTERATED POLYETHYLENE RADIATOR IN COUNTER TELESCOPE.
1-H -2 2.40+01 2.72+01 15 ELASTIC DIA)
- 3491 NUCLEAR PHYS. 221, 573 (1974) J.C.OVERLY, R.M.SEALOCK,
D.H.EHLERS (U.OREGON)
VAN DE GRAFF NEUTRON SOURCE.
3-LI-6 1.00-01 1.90+00 416 N,T DIA)
- 3492 NUCLEAR SCIENCE AND ENGINEERING 54, 190 (1974) R.H.AUGUSTSON,
H.O.MENLOVE (LASL)
THIS IS THE PARTIAL (N,P) CROSS SECTION WHICH LEADS TO
DELAYED NEUTRON EMISSION FROM THE RESIDUAL LITHIUM-9 NUCLEUS.
4-BE-9 1.45+01 1.49+01 2 N,P

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-470 ***

REF. NO. = 3492

REF. NO. = 3493

48-CD-114	1.21-01	2.82+00	16 N,0	
48-CD-114	1.21-01	2.82+00	16 N,0	C/S RATIO
73-TA-181	1.21-01	1.66+00	15 N,0	
73-TA-181	1.21-01	2.82+00	31 N,0	
73-TA-181	1.21-01	2.82+00	16 N,0	C/S RATIO
74-W-186	1.21-01	1.66+00	15 N,0	
74-W-186	1.21-01	2.73+00	23 N,0	
74-W-186	1.21-01	2.73+00	16 N,0	C/S RATIO
75-RE-185	1.21-01	9.35-01	8 N,0	
75-RE-185	1.21-01	2.73+00	16 N,0	
75-RE-185	1.21-01	2.73+00	16 N,0	C/S RATIO
75-RE-187	1.21-01	9.35-01	8 N,0	
75-RE-187	1.21-01	2.73+00	16 N,0	
75-RE-187	1.21-01	2.73+00	16 N,0	C/S RATIO
77-IR-191	1.21-01	8.35-01	8 N,0	
77-IR-191	1.21-01	2.82+00	16 N,0	
77-IR-191	1.21-01	2.82+00	16 N,0	C/S RATIO
77-IR-193	1.21-01	9.35-01	8 N,0	
77-IR-193	1.21-01	2.82+00	16 N,0	
77-IR-193	1.21-01	2.82+00	16 N,0	C/S RATIO
79-AU-197	1.21-01	1.66+00	15 N,0	
79-AU-197	1.21-01	2.73+00	23 N,0	
79-AU-197	1.21-01	2.73+00	16 N,0	C/S RATIO
90-TH-232	1.21-01	1.66+00	14 N,0	
90-TH-232	1.21-01	2.73+00	29 N,0	
90-TH-232	1.21-01	2.73+00	15 N,0	C/S RATIO

REF. NO. - 3498

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3498

REF BIBLIOGRAPHY

3498

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
92-U -238	1.21-01 2.73+00	53 N,G	
92-U -238	1.21-01 2.73+00	23 N,G	
92-U -238	1.21-01 2.73+00	48 N,G	C/S RATIO
93-NP-237	1.21-01 7.79-01	7 N,G	
93-NP-237	1.21-01 2.73+00	23 N,G	
93-NP-237	1.21-01 2.73+00	15 N,G	C/S RATIO

3499 PRIVATE COMMUNICATION (1973) D.M.GILLIAM, G.F.KNOLL
(U.MICHIGAN)
ANNALS OF NUCLEAR ENERGY 2, 637 (1975)

92-U -235	9.64-01 9.64-01	1 N,FISS	
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3500 PHYS. REV. C, 8, 781 (1973) R.D.GRAVES, R.E.CHRIEN,
D.I.GARBER, G.W.COLE, O.A.HASSON (BNL)
EPITHERMAL NEUTRON SOURCE.

92-U -235	2.0 -06 3.20-05	6 RES.PARAM.	
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3501 DASA-2333 (1969) W.F.TUCKER, P.S.BUCHANAN, T.C.MARTIN,
D.O.NELLIS, G.H.WILLIAMS (TEXAS NUCLEAR)
TEXAS NUCLEAR AND LASL NEUTRON SOURCES. SEE REF.1019 FOR
OTHER TUNGSTEN DATA BY THIS SAME GROUP.
BULL. AM. PHYS. SOC. 15, 1667 (1970)

14-SI-NAT	8.00+00 1.10+01	4 N,XG	
14-SI-NAT	5.00+00 1.10+01	134 N,XG	D(A)
14-SI-NAT	5.00+00 8.00+00	12 N,XG	D(A)
74-W -NAT	8.00+00 8.00+00	13 N,XG	D(A)
74-W -NAT	8.00+00 8.00+00	14 N,XG	D(A)
74-W -NAT	5.00+00 1.10+01	53 N,XG	D(A)

3502 PRIVATE COMMUNICATION (1974) T.E.YOUNG (MTR)
MTR FAST CHOPPER NEUTRON SOURCE.

94-PU-241	1.04-09 3.55-06	363 TOTAL	
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3503 NUCLEAR SCIENCE AND ENGINEERING 50, 364 (1973) R.M.HARBOR,
K.W.MAC MURDO, F.J.MC CROSSON (SAVANNAH R.)
REACTOR NEUTRON SOURCE.

95-AM-241	2.53-08 2.53-08	1 N,G	
95-AM-241	2.53-08 2.53-08	1 N,G	
95-AM-241	3.69-07 1.50+01	1 N,G	RES.INT.
95-AM-241	3.69-07 1.50+01	1 N,G	RES.INT.

3504 Z. PHYSIK 264, 379 (1973) A.B.SMITH, J.F.WHALEN, P.T.GUENTHER
(ANL)
TANDEM DYNAMITRON NEUTRON SOURCE.
TRANS. AM. NUCLEAR SOC. 16, 311 (1973)

41-NB-93	2.72-01 5.00+00	146 TOTAL	
41-NB-93	1.80+00 4.00+00	165 N,N'	
41-NB-93	3.00-01 4.00+00	756 ELASTIC D(A)	

3505 NUCLEAR SCIENCE AND ENGINEERING 51, 235 (1973)
R.W.STOOKSBERRY, J.H.ANDERSON (BETTS)
BETTS 3 MEV VAN DE GRAAF TIME OF FLIGHT NEUTRON SOURCE.

6-C -NAT	4.33-01 2.37+00	18 TOTAL	
40-ZR-91	4.33-01 2.37+00	18 TOTAL	
218CALOY-2	4.33-01 2.37+00	18 TOTAL	

3506 NUCLEAR SCIENCE AND ENGINEERING 53, 217 (1974) J.K.DICKENS,
T.A.LOVE, G.L.MORGAN (ORNL)
TIME OF FLIGHT NEUTRON SOURCE.

20-CA NAT	9.50-01 1.86+01	2346 N,XG	D(E,A)
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3507 ORNL-4847 (1973) J.K.DICKENS, T.A.LOVE, G.L.MORGAN (ORNL)
TIME OF FLIGHT NEUTRON SOURCE.

74-W NAT	1.25+00 1.85+01	2427 N,XG	D(E,A)
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3508 NUCLEAR PHYS. 223, 118 (1974) S.K.GHORAI, R.VOS, J.R.COOPER,
W.L. ALFORD (AUBURN U.)
3 MEV DYNAMITRON NEUTRON SOURCE.
BULL. AM. PHYS. SOC. 18, 357 (1973)

37-RB-95	1.50+01 1.70+01	3 N,2N	
37-RB-95	1.50+01 1.70+01	3 N,2N	
37-RB-97	1.50+01 1.62+01	2 N,2N	
62-SM-144	1.49+01 1.67+01	4 N,2N	

3509 NUCLEAR PHYS. 217, 563 (1973) S.L.HAUSLADEN, C.E.NELSON.

5-B-10	1.55+00 4.39+00	315 ELASTIC D(A)	
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REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-472 ***

REF.NO.=3509

07/04/76

EC51L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3509

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3509 R.O.LANE (OHIO U.)
TANDEM VAN DE GRAAFF NEUTRON SOURCE.

3510 NUCLEAR PHYS. 217, 546 (1973) C.E.NELSON, S.L.HAUSLADEN,
R.O.LANE (OHIO U.)
TANDEM VAN DE GRAAFF NEUTRON SOURCE. SEE REF. 3133.

3511 ORNL-TM-4406 (1973) J.K.DICKENS, T.A.LOVE, G.L.MORGAN (ORNL)
ORELA LINAC NEUTRON SOURCE.

3512 PRIVATE COMMUNICATION (1973) J.K.DICKENS, T.A.LOVE,
G.L.MORGAN (ORNL)
TIME OF FLIGHT NEUTRON SOURCE.

3513 PHYS. REV. C, 4, 380 (1971) R.O.LANE, S.L.HAUSLADEN,
J.E.MONAHAN, A.J.ELMYN, F.P.MOORING, A.S.LANDSDORF, JR. (ANL)
PARTIALLY POLARIZED LI-7 (P,N) NEUTRON SOURCE.

3514 ORNL-TM-3584 (1971) J.K.DICKENS (ORNL)
6 MEV VAN DE GRAAFF NEUTRON SOURCE.

3515 PHYS. REV. C, 10, 173 (1974) S.S.GLICKSTEIN, G.TESSLER
(BETTS)
VAN DE GRAAFF NEUTRON SOURCE.
CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, I. 241 (1971)

3516 CAN. J. PHYS. 50, 2536 (1972) D.C.SANTRY, J.P.BUTLER
(CHALK R.)
TANDEM NEUTRON SOURCE.
CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, I. 299 (1971)

3517 NUCLEAR PHYS. 171, 113 (1971) M.J.BENNETT, R.K.SHELIN,
Y.SHIDA (LASL)
OMEGA WEST REACTOR THERMAL NEUTRON SOURCE.

3518 NUCLEAR PHYS. 180, 157 (1972) A.K.HANALA, R.W.FINK,
J.M.HAMILTON (VANDERBILT U.)
NEUTRON ACTIVATION WITH ID,T) SOURCE.

76-05-192 1.44+01 1.44+01 1 N.2N
78-PT-NAT 1.44+01 1.44+01 1 ACTIVAT
78-PT-192 1.44+01 1.44+01 1 N.2N
78-PT-15 1.44+01 1.44+01 1 N.P
78-PT-196 1.44+01 1.44+01 1 N.P
78-PT-198 1.44+01 1.44+01 1 N.2N
78-PT-199 1.44+01 1.44+01 1 N.2N
79-AU-197 1.44+01 1.44+01 1 N.2N
79-AU-197 1.44+01 1.44+01 1 N.2N
79-AU-197 1.44+01 1.44+01 1 N.3N
80-HO-196 1.44+01 1.44+01 2 N.2N
80-HO-198 1.44+01 1.44+01 2 N.2N
80-HO-198 1.44+01 1.44+01 1 N.P
80-HO-199 1.44+01 1.44+01 1 N.N
80-HO-199 1.44+01 1.44+01 1 N.P
80-HO-199 1.44+01 1.44+01 1 ACTIVAT
80-HO-200 1.44+01 1.44+01 1 N.2N

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-473 ***

REF.NO.=3510

07/04/76

EC51L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3518

REF BIBLIOGRAPHY

3518

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
80-HG-204	1.44+01 1.44+01	1	N,2N
81-TL-203	1.44+01 1.44+01	1	N,2N
81-TL-203	1.44+01 1.44+01	1	N,A
82-PB-204	1.44+01 1.44+01	1	N,N'
82-PB-204	1.44+01 1.44+01	1	N,2N
82-PB-208	1.44+01 1.44+01	1	N,P

3519 PHYS. REV. C, 9, 527 (1974) V.C. ROGERS, L.E. BEGHIAN,
F.M. CLICHMAN (M.I.T.)
INELASTIC SCATTERING CROSS SECTIONS.
TRANS. AM. NUCLEAR SOC. 14, 806 (1971)

9-F -19	2.40-01 1.69+00	30	N,N'
27-CO-59	1.75+00 1.76+00	6	N,N'

3520 NUCLEAR SCIENCE AND ENGINEERING 49, 145 (1972) J.R. BERRETH,
F.R. SIMPSON, B.C. RUSCHE (MTR)
MTR FAST CHOPPER NEUTRON SOURCE.

96-CM-243	4.00-07 1.50+01	1	ABSORP RES. INT.
96-CM-243	1.49-06 2.58-05	49	RES. PARAM.
96-CM-244	2.53-08 2.53-08	1	TOTAL
96-CM-244	4.00-07 1.50+01	1	ABSORP RES. INT.
96-CM-244	7.66-06 8.54-05	21	RES. PARAM.
96-CM-245	2.53-08 2.53-08	1	TOTAL
96-CM-245	4.00-07 1.50+01	1	ABSORP RES. INT.
96-CM-245	1.95-06 2.93-05	30	RES. PARAM.
96-CM-246	4.31-06 1.52-05	6	RES. PARAM.

3521 ORNL-4823 (1972) F.G. PEREY, T.A. LOVE, W.E. KINNEY (ORNL)
ORNL TIME OF FLIGHT NEUTRON SOURCE.

24-CR-NAT	1.81-01 2.95+01	7392	TOTAL
28-NI-NAT	1.81-01 2.94+01	7402	TOTAL

3522 J. INORG. NUCLEAR CHEM. 35, 1821 (1973) R.M. HARBOUR,
K.W. MAC MURDO (SAVANNAH R.)
HIGH FLUX REACTOR NEUTRON SOURCE.

99-ES-253	2.53-08 2.53-08	1	N,0 SPECT. AV.
99-ES-253	2.53-08 2.53-08	1	N,0 SPECT. AV.
99-ES-253	4.12-07 1.50+01	1	N,0 RES. INT.
99-ES-253	4.12-07 1.50+01	1	N,0 RES. INT.

3523 PHYS. REV. 188, 1618 (1969) R.O. LANE, R.D. KOSHEL,
J.E. MONAHAN (ANL)
PARTIALLY POLARIZED LI-7 (P,N) NEUTRON SOURCE.

6-C -NAT	5.00-01 2.00+00	39	ELASTIC
6-C -NAT	5.00-01 2.00+00	243	ELASTIC DIA

3524 PHYS. REV. C, 10, 2735 (1974) P.F. SHEPARD, T.J. DELVIN,
R.E. MISCHKE, J. SOLOMON (PRINCETON)
PRINCETON-PENN ACCELERATOR NEUTRON SOURCE.

1-H -1	1.82+02 1.02+03	373	ELASTIC DIA
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3525 J. INORG. NUCLEAR CHEM. 34, 2405 (1972) S.A. RAO (U. ARKANSAS)
ISOMERIC YIELD RATIOS.

48-CD-116	1.48+01 1.48+01	1	N,2N C/S RATIO
50-SN-118	1.48+01 1.48+01	1	N,A C/S RATIO

3526 PRIVATE COMMUNICATION (1974) A.B. SMITH (ANL)
VAN DE GRAAFF NEUTRON SOURCE.

90-TH-232	1.02-01 1.46+00	513	TOTAL
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3527 CAN. J. PHYS. 52, 648 (1974) I.F. BUBB, S.N. BUNKER, M. JAIN,
J.W. LEONARD, A.M. ILWAIN, K.L. ROULSTON, K.G. STANDING,
D.O. WELLS, B.G. WHITMORE (U. MANITOBA)
CYCLOTRON NEUTRON SOURCE.

4-BE-9	2.07+01 4.41+01	10	TOTAL
6-C -NAT	2.10+01 4.41+01	17	TOTAL
13-AL-27	2.10+01 4.41+01	9	TOTAL
29-CU-NAT	2.10+01 4.42+01	10	TOTAL
30-ZN-NAT	2.13+01 4.44+01	8	TOTAL

3528 PRIVATE COMMUNICATION (1974) G.F. STOKES, R.P. SCHUMAN,
F.B. SIMPSON (MTR, IDAHO FALLS)

69-TH-170	5.00-08 1.00-04	394	TOTAL
69-TH-170	2.84-06 8.96-05	33	RES. PARAM.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-474 ***

REF. NO. = 3528

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3528

REF BIBLIOGRAPHY

3528 MTR FAST CHOPPER NEUTRON SOURCE.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
69-TM-171	5.00-08 1.00-04	347	TOTAL
69-TM-171	4.92-06 6.41-05	9	RES.PARAM.

3529 LA-5552 (1974) M.M.HOFFMAN, G.J.BERZINS, W.M.SANDERS,
L.J.BROWN, D.D.PHILLIPS (LASL)
NUCLEAR EXPLOSION NEUTRON SOURCE.
CONF. ON NEUTRON C/S TECHNOLOGY, KNOXVILLE, 2, BEB (1971)

79-AU-197	3.51-05 2.75+00	1300	ELASTIC D(A)
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3530 NUCLEAR SCIENCE AND ENGINEERING 41, 188 (1970) T.WATANABE,
S.D.REEDER (MTR)
FAST CHOPPER NEUTRON SOURCE.

43-TC-99	2.53-08 2.53-08	1	TOTAL
43-TC-99	2.53-08 2.53-08	1	ABSORP
43-TC-99	-6.40-06 2.80-04	21	RES.PARAM.

3531 ORNL-4803 (1973) W.E.KINNEY, F.G.PEREY (ORNL)
ORNL VAN DE GRAAFF NEUTRON SOURCE.

74-W -NAT	4.34+00 8.56+00	5	SCATTER
74-W -NAT	4.34+00 8.56+00	94	SCATTER D(A)
74-W -NAT	6.44+00 8.56+00	314	N,N' D(E)

3532 ORNL-4164 PAGE 2 (1967) R.E.DRUSCHEL, J.HALPERIN (ORNL)
OAK RIDGE RESEARCH REACTOR NEUTRON SOURCE.

41-NB-93	2.53-08 2.53-08	1	N,G
41-NB-93	5.00-07 1.50+01	1	N,G RES.INT.
41-NB-94	2.53-08 2.53-08	1	N,G
41-NB-94	5.00-07 1.50+01	1	N,G RES.INT.

3533 ORNL-4164 PAGE 1 (1967) J.HALPERIN, J.S.ELDRIDGE,
H.A.O'BRIEN, JR., R.E.DRUSCHEL (ORNL)
HIGH FLUX POSITION IN OAK RIDGE RESEARCH REACTOR.

56-BA-140	2.53-08 2.53-08	1	N,G
56-BA-140	5.40-07 1.50+01	1	N,G RES.INT.

3534 ORNL-CF-66-12-9 PAGE 6 (1966) R.E.LEWIS (ORNL)
FAST NEUTRON FLUX FROM OAK RIDGE RESEARCH REACTOR.

69-TM-169	1.00+00 1.00+00	1	N,2N SPECT.AV.
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3535 PRIVATE COMMUNICATION (1974) W.P.POENITZ (ANL)
TANDEM DYNAMITRON NEUTRON SOURCE. SEE REF.3173 FOR SIMILAR
DATA BY THIS AUTHOR.
NUCLEAR SCIENCE AND ENGINEERING 57, 300 (1975)

79-AU-197	4.00-01 3.50+00	18	N,G
92-U -238	2.00-02 1.20+00	54	N,G
92-U -238	2.00-02 1.20+00	54	N,G C/S RATIO

3536 USNDC-9 PAGE 84 (1973) L.F.HANSEN, J.D.ANDERSON, S.M.GRIMES,
J.L.KAMMERDIENER, T.KOMOTO, C.H.LOGAN (LLL)
J.C.T. NEUTRON SOURCE WITH (D,T) REACTION.

28-NI-NAT	1.46+01 1.46+01	1	ELASTIC
28-NI-NAT	1.46+01 1.46+01	1	N,N'
28-NI-NAT	1.46+01 1.46+01	10	ELASTIC D(A)
28-NI-NAT	1.46+01 1.46+01	10	N,N' D(A)
28-NI-NAT	1.46+01 1.46+01	8	N,N' D(E)

3537 PHYS. REV. C, 9, 179 (1974) M.DROSG, D.K.MC DANIELS,
J.C.HOPKINS, J.D.SEAGRAVE, R.H.SHERMAN, E.C.KERR (LASL)
TANDEM VAN DE GRAAFF NEUTRON SOURCE.

2-HE-3	7.90+00 2.37+01	5	ELASTIC
2-HE-3	7.00+00 2.37+01	70	ELASTIC D(A)

3538 NUCLEAR SCIENCE AND ENGINEERING 54, 191 (1974) J.K.DICKENS
(ORNL)
VAN DE GRAAFF NEUTRON SOURCE.

22-TI-NAT	4.90+00 5.90+00	209	N,XG D(A)
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3539 NBS-138 (1974) R.B.SCHWARTZ, R.A.SCHRANK, H.T.HEATON, II (NBS)
NBS LINAC NEUTRON SOURCE.

28-NI-NAT	4.72-01 1.51+01	3458	TOTAL
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3540 BULL. AM. PHYS. SOC. 20, 160 (1975) A.U.SANISLO, N.N.KAYSHAL,
R.W.HOCKENBURY (RP1)

94-PU-242	6.27-03 8.53-02	250	N,G
94-PU-242	7.00-03 6.50-02	15	N,G SPECT.AV.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-475 ***

REF.NO.=3540

07/04/76 ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3540

REF BIBLIOGRAPHY

[illegible]

3540	RPI LINAC NEUTRON SOURCE.
CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 2, 584 (1975)	94-PU-242
94-PU-242
94-PU-242	0.
2.05-04
2.05-04	8.70-02
3.82-04
3.82-04	4 AV.RES.PARAM.
5 RES.PARAM.
5 RES.PARAM.	
3541	PRIVATE COMMUNICATION (1974) D.L.BERNARD, M.C.TAYLOR
(U.SOUTHWESTERN LOUISIANA)
U. TEXAS TANDEM VAN DE GRAAFF NEUTRON SOURCE.
CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 2, 938 (1975)	7-N -14
7-N -14
8-0 -1E	6.25+00
6.25+00
5.05+00	9.29+00
9.29+00
6.25+00	22 ELASTIC D(A)
40 N,N' D(A)
28 ELASTIC D(A)	
3542	ANL-NDM-8 (1974) W.P.POENITZ (ANL)
ANL TANDEM DYNAMITRON NEUTRON SOURCE.	41-NB-93	3.00-01	2.50+00	15 N,0	
3543	C00-3058-39 PAGE 22 (1973) R.A.ZUHR, K.MIN (RPI)
RPI LINAC NEUTRON SOURCE. DATA GIVEN AS LEGENDRE
COEFFICIENTS.
DISSERTATION ABSTRACTS B, 34, 6155 (1974)	26-FE-NAT
28-NI-NAT	2.00-02
2.00-02	6.40-01
6.40-01	25E ELASTIC LEGEND.COEF
25E ELASTIC LEGEND.COEF	
3544	LA-5662-M5 (1974) D.M.DRAKE, E.D.ARTHUR, M.G.SILBERT (LASL)
LASL VERTICAL VAN DE GRAAFF WITH (D,T) SOURCE.	6-C -NAT
12-MO-NAT
12-MO-NAT
13-AL-27
13-AL-27
24-CR-NAT
24-CR-NAT
26-FE-NAT
26-FE-NAT
28-NI-NAT
28-NI-NAT
29-CU-NAT
41-NB-93
42-MO-NAT
73-TA-181
78-PT-NAT
92-U -235
94-PU-239	1.40+01
1.40+01
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1.40+01
1.40+01
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1.40+01	4 N,X0
8 N,X0
94 N,X0
5 N,X0
47 N,X0
1 N,X0
47 N,X0
4 N,X0
94 N,X0
47 N,X0
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3545	CONF. ON MAGNETISM AND MAGNETIC MATERIALS.DENVER,COLO. (1972)
W.C.KOEHLER, R.M.MOON, H.R.CHILD (ORNL)
REPORTED IN
CONF-721114-4 (1972)
LOW ENERGY NEUTRON SCATTERING.	61-PM-147	7.00-08	7.00-08	1 TOTAL	
3546	ANL-7935 (1972) S.A.COX, E.E.DOWLING (ANL)
(P-LI) NEUTRON SOURCE.	22-TI-NAT
22-TI-NAT
23-V -NAT
23-V -NAT
26-FE-NAT
26-FE-NAT
27-CO-59
27-CO-59
28-NI-NAT
28-NI-NAT
29-CU-NAT
29-CU-NAT	8.94-01
8.94-01
8.96-01
8.96-01
8.96-01
9.02-01
8.96-01
8.96-01
8.75-01
8.75-01
8.75-01
8.75-01	8.94-01
8.94-01
8.96-01
8.96-01
8.96-01
9.02-01
8.96-01
8.96-01
8.75-01
8.75-01
8.75-01
8.75-01	1 ELASTIC
8 ELASTIC D(A)
1 ELASTIC
8 ELASTIC D(A)
1 ELASTIC
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REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1	0.000-0.005	1	0.000-0.005
2	0.005-0.010	1	0.005-0.010
3	0.010-0.015	1	0.010-0.015
4	0.015-0.020	1	0.015-0.020
5	0.020-0.025	1	0.020-0.025
6	0.025-0.030	1	0.025-0.030
7	0.030-0.035	1	0.030-0.035
8	0.035-0.040	1	0.035-0.040
9	0.040-0.045	1	0.040-0.045
10	0.045-0.050	1	0.045-0.050
11	0.050-0.055	1	0.050-0.055
12	0.055-0.060	1	0.055-0.060
13	0.060-0.065	1	0.060-0.065
14	0.065-0.070	1	0.065-0.070
15	0.070-0.075	1	0.070-0.075
16	0.075-0.080	1	0.075-0.080
17	0.080-0.085	1	0.080-0.085
18	0.085-0.090	1	0.085-0.090
19	0.090-0.095	1	0.090-0.095
20	0.095-0.100	1	0.095-0.100
21	0.100-0.105	1	0.100-0.105
22	0.105-0.110	1	0.105-0.110
23	0.110-0.115	1	0.110-0.115
24	0.115-0.120	1	0.115-0.120
25	0.120-0.125	1	0.120-0.125
26	0.125-0.130	1	0.125-0.130
27	0.130-0.135	1	0.130-0.135
28	0.135-0.140	1	0.135-0.140
29	0.140-0.145	1	0.140-0.145
30	0.145-0.150	1	0.145-0.150
31	0.150-0.155	1	0.150-0.155
32	0.155-0.160	1	0.155-0.160
33	0.160-0.165	1	0.160-0.165
34	0.165-0.170	1	0.165-0.170
35	0.170-0.175	1	0.170-0.175
36	0.175-0.180	1	0.175-0.180
37	0.180-0.185	1	0.180-0.185
38	0.185-0.190	1	0.185-0.190
39	0.190-0.195	1	0.190-0.195
40	0.195-0.200	1	0.195-0.200
41	0.200-0.205	1	0.200-0.205
42	0.205-0.210	1	0.205-0.210
43	0.210-0.215	1	0.210-0.215
44	0.215-0.220	1	0.215-0.220
45	0.220-0.225	1	0.220-0.225
46	0.225-0.230	1	0.225-0.230
47	0.230-0.235	1	0.230-0.235
48	0.235-0.240	1	0.235-0.240
49	0.240-0.245	1	0.240-0.245
50	0.245-0.250	1	0.245-0.250
51	0.250-0.255	1	0.250-0.255
52	0.255-0.260	1	0.255-0.260
53	0.260-0.265	1	0.260-0.265
54	0.265-0.270	1	0.265-0.270
55	0.270-0.275	1	0.270-0.275
56	0.275-0.280	1	0.275-0.280
57	0.280-0.285	1	0.280-0.285
58	0.285-0.290	1	0.285-0.290
59	0.290-0.295	1	0.290-0.295
60	0.295-0.300	1	0.295-0.300
61	0.300-0.305	1	0.300-0.305
62	0.305-0.310	1	0.305-0.310
63	0.310-0.315	1	0.310-0.315
64	0.315-0.320	1	0.315-0.320
65	0.320-0.325	1	0.320-0.325
66	0.325-0.330	1	0.325-0.330
67	0.330-0.335	1	0.330-0.335
68	0.335-0.340	1	0.335-0.340
69	0.340-0.345	1	0.340-0.345
70	0.345-0.350	1	0.345-0.350
71	0.350-0.355	1	0.350-0.355
72	0.355-0.360	1	0.355-0.360
73	0.36		

••• 3-476 •••

REF. NO. - 3546

07/04/76

ECS(L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3546

REF BIBLIOGRAPHY

3546

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
29-CU-NAT	8.75-01 8.76-01	8 ELASTIC DIA)
30-ZN-NAT	8.75-01 8.75-01	1 ELASTIC
30-ZN-NAT	8.75-01 8.75-01	8 ELASTIC DIA)
32-GE-NAT	8.70-01 8.70-01	1 ELASTIC
32-GE-NAT	8.70-01 8.70-01	8 ELASTIC DIA)
34-SE-NAT	8.36-01 8.36-01	1 ELASTIC
34-SE-NAT	8.36-01 8.36-01	8 ELASTIC DIA)
38-SR-NAT	8.86-01 8.86-01	1 ELASTIC
38-SR-NAT	8.86-01 8.86-01	8 ELASTIC DIA)
39-Y -89	8.89-01 8.89-01	1 ELASTIC
39-Y -89	8.89-01 8.89-01	8 ELASTIC DIA)
40-ZR-NAT	9.02-01 9.02-01	1 ELASTIC
40-ZR-NAT	9.02-01 9.02-01	8 ELASTIC DIA)
41-NB-93	8.75-01 8.75-01	1 ELASTIC
41-NB-93	8.75-01 8.75-01	8 ELASTIC DIA)
42-HO-NAT	8.75-01 8.75-01	1 ELASTIC
42-HO-NAT	8.75-01 8.75-01	8 ELASTIC DIA)
47-AG-NAT	8.73-01 8.73-01	1 ELASTIC
47-AG-NAT	8.73-01 8.73-01	8 ELASTIC DIA)
48-CD-NAT	8.70-01 8.70-01	1 ELASTIC
48-CD-NAT	8.70-01 8.70-01	8 ELASTIC DIA)
49-IN-NAT	8.70-01 8.70-01	1 ELASTIC
49-IN-NAT	8.70-01 8.70-01	8 ELASTIC DIA)
50-SN-NAT	8.81-01 8.81-01	1 ELASTIC
50-SN-NAT	8.81-01 8.81-01	8 ELASTIC DIA)
51-SB-NAT	8.70-01 8.70-01	1 ELASTIC
51-SB-NAT	8.70-01 8.70-01	8 ELASTIC DIA)
53-I -127	8.89-01 8.89-01	1 ELASTIC
53-I -127	8.89-01 8.89-01	8 ELASTIC DIA)
55-CS-133	8.77-01 8.77-01	1 ELASTIC
55-CS-133	8.77-01 8.77-01	8 ELASTIC DIA)
56-BA-NAT	8.84-01 8.84-01	1 ELASTIC
56-BA-NAT	8.84-01 8.84-01	8 ELASTIC DIA)
58-CE-NAT	8.79-01 8.79-01	1 ELASTIC
58-CE-NAT	8.79-01 8.79-01	8 ELASTIC DIA)
59-PR-141	8.78-01 8.78-01	1 ELASTIC
59-PR-141	8.78-01 8.78-01	8 ELASTIC DIA)
68-ER-NAT	9.52-01 9.52-01	1 ELASTIC
68-ER-NAT	9.52-01 9.52-01	8 ELASTIC DIA)
72-W-NAT	9.49-01 9.49-01	1 ELASTIC
72-W-NAT	9.49-01 9.49-01	8 ELASTIC DIA)
73-TA-NAT	8.73-01 8.73-01	1 ELASTIC
73-TA-NAT	8.73-01 8.73-01	8 ELASTIC DIA)
74-W -NAT	8.72-01 8.72-01	1 ELASTIC
74-W -NAT	8.72-01 8.72-01	8 ELASTIC DIA)
79-AU-197	8.77-01 8.77-01	1 ELASTIC
79-AU-197	8.77-01 8.77-01	8 ELASTIC DIA)
80-HO-NAT	8.81-01 8.81-01	1 ELASTIC
80-HO-NAT	8.81-01 8.81-01	8 ELASTIC DIA)
82-PB-NAT	1.09+00 1.09+00	1 ELASTIC
82-PB-NAT	1.09+00 1.09+00	8 ELASTIC DIA)
83-BI-209	8.86-01 8.86-01	1 ELASTIC
83-BI-209	8.86-01 8.86-01	8 ELASTIC DIA)

REF BIBLIOGRAPHY

... 3-477 ...

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF. NO. = 3546

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3546

REF BIBLIOGRAPHY

3546

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
83-BI-209	8.88-01 8.88-01	8	ELASTIC D(A)
90-TM-232	8.73-01 8.73-01	1	ELASTIC
90-TM-232	8.73-01 8.73-01	8	ELASTIC D(A)
92-U -NAT	8.71-01 8.71-01	1	ELASTIC
92-U -NAT	8.71-01 8.71-01	8	ELASTIC D(A)

3547 NUCLEAR PHYS. 212, 147 (1973) R.E.BENSON, K.RIMAWI,
E.H.SEXTON, B.CENTER (SUNY,ALBANY)
(D,T) NEUTRON SOURCE.

13-AL-27	1.48+01 1.48+01	8	ELASTIC D(A)
50-SN-NAT	1.48+01 1.48+01	8	ELASTIC D(A)
73-TA-NAT	1.48+01 1.48+01	8	ELASTIC D(A)
90-HO-NAT	1.48+01 1.48+01	11	ELASTIC D(A)
82-PB-NAT	1.48+01 1.48+01	16	ELASTIC D(A)
92-U -NAT	1.48+01 1.48+01	10	ELASTIC D(A)

3548 PHYS. REV. C, 9, 973 (1974) F.S.DIETRICH, M.C.GREGORY,
J.D.ANDERSON (ILL)
I.C.T. (D,T) NEUTRON SOURCE.

39-Y -89	1.41+01 1.41+01	19	N,XG
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3549 ORNL-4909 (1974) W.E.KINNEY, F.G.PEREY (ORNL)
ORNL VAN DE GRAAFF NEUTRON SOURCE.

82-PB-208	5.50+00 8.50+00	13	N,N' D(A)
82-PB-207	5.50+00 8.50+00	43	N,N' D(A)
82-PB-207	5.50+00 7.00+00	28	N,N' D(A)
82-PB-208	5.50+00 8.50+00	66	ELASTIC D(A)
82-PB-208	5.50+00 8.50+00	124	N,N' D(A)
82-PB-208	5.50+00 8.50+00	130	N,N' D(A)

3550 ORNL-4806 (1974) W.E.KINNEY, F.G.PEREY (ORNL)
ORNL VAN DE GRAAFF NEUTRON SOURCE.

24-CR-NAT	4.34+00 8.56+00	5	ELASTIC
24-CR-NAT	4.07+00 8.56+00	35	N,N'
24-CR-NAT	4.07+00 8.56+00	112	ELASTIC D(A)
24-CR-NAT	4.07+00 8.56+00	218	N,N' D(A)
24-CR-52	6.44+00 8.56+00	54	ELASTIC D(A)
24-CR-52	6.44+00 8.56+00	82	N,N' D(A)

3551 PHYS. REV. C, 11, 1270 (1975) R.L.MACKLIN, J.HALPERIN,
R.R.WINTERS (ORNL)
OAK RIDGE LINAC NEUTRON SOURCE.

79-AU-197	2.75-03 5.50-01	850	N,G SPECT.AV.
79-AU-197	2.59-03 4.82-03	115	RES.PARAM.

3552 COO-3053-50 (1974) H.D.KNOX, R.W.HOCKENBURY, N.N.KAVSHAL,
R.C.BLOCK (RP)
TIME OF FLIGHT NEUTRON SOURCE.
CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., 2, 905 (1975)

45-RH-103	6.31-03 2.97-01	566	N,G
45-RH-103	6.31-03 2.97-01	4	AV.RES.PARAM.
46-PD-105	6.31-03 2.97-01	562	N,G
46-PD-105	6.31-03 2.97-01	4	AV.RES.PARAM.
63-EU-151	6.31-03 2.97-01	566	N,G
63-EU-151	6.31-03 2.97-01	4	AV.RES.PARAM.
63-EU-153	6.31-03 2.97-01	566	N,G
63-EU-153	6.31-03 2.97-01	4	AV.RES.PARAM.

3553 ORNL-4552 (1970) F.G.PEREY, W.E.KINNEY (ORNL)
OAK RIDGE VAN DE GRAAFF NEUTRON SOURCE.

39-Y -89	5.50+00 8.56+00	4	ELASTIC
39-Y -89	4.19+00 8.56+00	51	N,N'
39-Y -89	5.50+00 8.56+00	91	ELASTIC D(A)
39-Y -89	4.19+00 8.56+00	74	N,N' D(A)

3554 PHYS. REV. C, 5, 109 (1972) J.K.DICKENS (ORNL)
5.5 MV AND TANDEM VAN DE GRAAFF NEUTRON SOURCES.

13-AL-27	5.85+00 8.50+00	27	N,N' D(A)
13-AL-27	5.35+00 9.00+00	317	N,XG D(A)

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-478 ***

REF.NO.=3554

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3555

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3555 PHYS. REV. C, 8, 1827 (1973) F.J. RAHN, H.S. CAMARDA, G. HACKEN, W.W. HAVENS, JR., H.I. LIOU, L.J. RAINWATER, U.N. SINGH, M. SLAGOWITZ, S. WYNCHANK (COLUMBIA U.) NEVIS SYNCHROCYCLOTRON NEUTRON VELOCITY SPECTROMETER.	11-NA-23 11-NA-23	6.76-05 3.18-01 2.65-03 2.97-01	709 21	TOTAL RES. PARAM.
3556 PHYS. REV. C, 6, 1854 (1972) F.J. RAHN, H.S. CAMARDA, G. HACKEN, W.W. HAVENS, JR., H.I. LIOU, L.J. RAINWATER, M. SLAGOWITZ, S. WYNCHANK (COLUMBIA U.) NEVIS SYNCHROCYCLOTRON NEUTRON VELOCITY SPECTROMETER. ALSO SEE REF. 3121 AND 3140. CONF. ON NEUTRON C/S TECHNOLOGY, KNOXVILLE, 2, 658 (1971) NYO-73-340 (1970)	90-TH-232 90-TH-232 92-U -238 92-U -238	0. 4.00-03 2.17-05 3.99-03 0 4.60-03 6.65-06 4.59-03	11 691 12 641	AV. RES. PARAM. RES. PARAM. AV. RES. PARAM. RES. PARAM.
3557 ORNL-4846 (1973) J.K. DICKENS, T.A. LOVE, G.L. MORGAN (ORNL) OAK RIDGE LINAC TIME OF FLIGHT NEUTRON SOURCE.	29-CU-NAT 29-CU-NAT	1.25+00 1.85+01 1.25+00 1.85+01	354 2059	N, XG D(E, A) N, XG D(E, A)
3558 ORNL-TH-4464 (1974) J.K. DICKENS, T.A. LOVE, G.L. MORGAN (ORNL) ORELA TIME OF FLIGHT NEUTRON SOURCE.	30-ZN-NAT	9.15-01 1.84+01	2535	N, XG D(E, A)
3559 J. INORG. NUCLEAR CHEM. 37, 637 (1975) W.A. MYERS, M. LINDNER, R.S. NEWBURY (ILL) LIVERMORE NUCLEAR CHEMISTRY DIV. MASS SPECTROMETER.	93-NP-236	1.40+01 1.40+01	1	N, 2N C/S RATIO
3561 J. INORG. NUCLEAR CHEM. 37, 399 (1975) J.W. BARNES, B.P. BAYHURST, B.H. ERKKILA, J.S. GILMORE, N. JARHIE, R.J. PRESTWOOD (LASL) VAN DE GRAAFF NEUTRON SOURCE.	20-CA-NAT 20-CA-40	1.41+01 1.47+01 2.98+00 9.29+00	2 10	N, A N, A
3562 J. INORG. NUCLEAR CHEM. 37, 631 (1975) R.A. SIGG, P.K. KURODA (U. ARKANSAS) COCKROFT-WALTON NEUTRON SOURCE. SEE REF. 3150 FOR SIMILAR MEASUREMENTS BY THIS SAME GROUP.	26-FE-54 40-ZR-90 40-ZR-90 40-ZR-90 40-ZR-90 40-ZR-90 42-MO-92 42-MO-92 42-MO-92 42-MO-92 42-MO-92 42-MO-92 59-PR-141 62-SM-144 62-SM-144	1.48+01 1.48+01	1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1	N, 2N N, 2N N, 2N N, P N, A N, 2N N, 2N N, P N, A N, 2N N, A N, 2N N, 2N N, 2N
3563 PHYS. REV. C, 11, 827 (1975) B. HAMERMESH, R.K. SMITHER (ANL) NUCLEAR ISOMER TARGET NUCLEUS.	52-TE-123M	2.50-08 2.50-08	2	N, 0
3564 BULL. AM. PHYS. SOC. 18, 649 (1973) P.T. KARATZAS, G.P. COUCHELL, G.H.R. KEGEL, J. MARCILLA, A. MITTLER, D.J. PULLEN (LOWELL TECH. INST.) VAN DE GRAAFF NEUTRON SOURCE.	24-CR-50 24-CR-50 24-CR-52 24-CR-52 24-CR-53 24-CR-53 24-CR-54 24-CR-54	8.93-01 3.99+00 8.93-01 3.99+00 1.45+00 3.99+00 1.45+00 3.99+00 8.93-01 3.99+00 8.93-01 3.99+00 8.93-01 3.99+00 8.93-01 3.99+00	37 37 93 97 153 154 37 37	N, N' N, N' N, N' N, N' N, N' N, N' N, N' N, N'

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-479 ***

REF. NO. 3564

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3565

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
3565 BULL. AM. PHYS. SOC. 20, 173 (1975) K.RIMAWI, R.E.CHRIEN (BNL) 24 KEV ACTIVATION CROSS SECTIONS. CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 2, 920 (1975)	48-IN-115 53-I-127 79-AU-197 92-U-239	2.43-02 2.43-02 2.43-02 2.43-02 2.43-02 2.43-02 2.43-02 2.43-02	1 N,G 1 N,G 1 N,G 1 N,G
3566 BULL. AM. PHYS. SOC. 20, 174 (1975) G.TESSLER, S.S.GLICKSTEIN (BETTS) VAN DE GRAAFF NEUTRON SOURCE. CONF. ON NEUTRON C/S TECHNOLOGY. WASH D.C., 2, 934 (1975)	24-CR-NAT 24-CR-50 24-CR-52 24-CR-53 24-CR-54 28-NI-NAT 28-NI-58 28-NI-60 28-NI-62 40-ZR-92 40-ZR-94	3.43+00 5.97+00 3.43+00 5.97+00 3.43+00 5.97+00 3.43+00 5.97+00 3.43+00 5.97+00 3.43+00 5.42+00 3.43+00 5.42+00 3.43+00 5.42+00 3.43+00 5.42+00 3.43+00 5.42+00 3.43+00 5.42+00	23 N,N' 10 N,N' 52 N,N' 29 N,N' 9 N,N' 35 N,N' 23 N,N' 37 N,N' 4 N,N' 99 N,N' 57 N,N'
3567 NUCLEAR PHYS. 237, 11 (1975) T.H.KAO, W.L.ALFFORD (AUBURN U.) DYNAMITRON (D,T) NEUTRON SOURCE.	21-SC-45 21-SC-45 21-SC-45 34-SE-82 34-SE-82 35-BR-81 35-BR-81 35-BR-81	1.51+01 1.51+01 1.51+01 1.51+01 1.51+01 1.51+01 1.51+01 1.51+01 1.51+01 1.51+01 1.51+01 1.51+01 1.51+01 1.51+01 1.51+01 1.51+01	1 N,2N 1 N,2N 1 N,2N 1 N,2N 2 N,2N 1 N,2N 1 N,2N 1 N,2N
3568 PHYS. REV. C, 10, 1904 (1974) F.J.RAHN, H.S.CAMARDA, G.HACKEN, W.W.HAVENS,JR., H.I.LIU, L.J.MINWATER (COLUMBIA U.) NEVIS LAB. SYNCHROCYCLOTRON NEUTRON SOURCE.	64-GD-154 64-GD-158 64-GD-160	1.15-05 9.85-04 2.23-05 9.98-03 2.22-04 9.66-03	119 RES.PARAM. 217 RES.PARAM. 116 RES.PARAM.
3569 NUCLEAR SCIENCE AND ENGINEERING 55, 427 (1974) D.M.DRAKE (LASL) VAN DE GRAAFF (P,T) NEUTRON SOURCE.	92-U-235 94-PU-239	1.00+00 8.00+00 1.00+00 2.00+00	126 N,X0 D(A) 28 N,X0 D(A)
3570 NUCLEAR PHYS. 237, 45 (1975) A.I.NAMENSON, A.STOLOVY, G.L.SMITH (NRL) NRL LINAC TIME OF FLIGHT NEUTRON SOURCE.	71-LU-175 76-OS-187 76-OS-183	2.60-06 2.74-04 3.48-06 2.98-04 6.63 06 1.87-04	57 RES.PARAM. 44 RES.PARAM. 38 RES.PARAM.
3571 PHYS. REV. C, 6, 1150 (1972) F.P.BRADY, W.J.KNOX, R.L.WALRAVEN, J.L.POMERO (U.C.DAVIS) LI-7 (P,N) TIME OF FLIGHT NEUTRON SOURCE.	1-H-2	2.46+01 5.93+01	8 TOTAL
3572 ANL-NDM-4 (1974) P.I.GUENTHER, A.B.SMITH, J.F.WHALEN (ANL) ANL DYNAMITRON NEUTRON SOURCE. PHYS. REV. C, 12, 1797 (1975)	40-ZR-90 40-ZR-90 40-ZR-90 40-ZR-92 40-ZR-92 40-ZR-92	9.33-01 5.51+00 2.60+00 4.00+00 1.80+00 4.00+00 9.33-01 5.51+00 1.80+00 4.00+00 1.80+00 4.00+00	129 TOTAL 34 N,N' 279 ELASTIC D(A) 129 TOTAL 87 N,N' 259 ELASTIC D(A)
3573 NUCLEAR SCIENCE AND ENGINEERING 56, 98 (1975) R.D.WERNER, O.C.SANTRY (CHALK R.)	28-NI-59	5.51-08 5.51-08	1 N,A

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-480 ***

REF.NO.=3573

REF. NO. •3573

TARGET	EN.	RANGE (MEV)	PTS	DESCRIPTION
1	100	100	100	100
2	100	100	100	100
3	100	100	100	100
4	100	100	100	100
5	100	100	100	100
6	100	100	100	100
7	100	100	100	100
8	100	100	100	100
9	100	100	100	100
10	100	100	100	100
11	100	100	100	100
12	100	100	100	100
13	100	100	100	100
14	100	100	100	100
15	100	100	100	100
16	100	100	100	100
17	100	100	100	100
18	100	100	100	100
19	100	100	100	100
20	100	100	100	100
21	100	100	100	100
22	100	100	100	100
23	100	100	100	100
24	100	100	100	100
25	100	100	100	100
26	100	100	100	100
27	100	100	100	100
28	100	100	100	100
29	100	100	100	100
30	100	100	100	100
31	100	100	100	100
32	100	100	100	100
33	100	100	100	100
34	100	100	100	100
35	100	100	100	100
36	100	100	100	100
37	100	100	100	100
38	100	100	100	100
39	100	100	100	100
40	100	100	100	100
41	100	100	100	100
42	100	100	100	100
43	100	100	100	100
44	100	100	100	100
45	100	100	100	100
46	100	100	100	100
47	100	100	100	100
48	100	100	100	100
49	100	100	100	100
50	100	100	100	100
51	100	100	100	100
52	100	100	100	100
53	100	100	100	100
54	100	100	100	100
55	100	100	100	100
56	100	100	100	100
57	100	100	100	100
58	100	100	100	100
59	100	100	100	100
60	100	100	100	100
61	100	100	100	100
62	100	100	100	100
63	100	100	100	100
64	100	100	100	100
65	100	100	100	100
66	100	100	100	100
67	100	100	100	100
68	100	100	100	100
69	100	100	100	100
70	100	100	100	100
71	100	100	100	100
72	100	100	100	100
73	100	100	100	100
74	100	100	100	100
75	100	100	100	100
76	100	100	100	100
77	100	100	100	100
78	100	100	100	100
79	100	100	100	100
80	10			

6-C -NAT 1.80+00 4.00+00 652 ELASTIC D(A)

21-SC-45 1.51+01 1.51+01 1 N,2N C/S RATIO

69-TM-169 3.90-06 7.16-04 68 RES. PARAM.

21-SC-45	1.48-01	1.48-01	1 N, 2N	
21-SC-45	1.48-01	1.48-01	1 N, 2N	
21-SC-45	1.48-01	1.48-01	1 N, 2N	C/S RATIO
36-SR-86	1.48-01	1.48-01	1 N, 2N	
36-SR-86	1.48-01	1.48-01	1 N, 2N	
36-SR-86	1.48-01	1.48-01	1 N, 2N	C/S RATIO
39-Y -89	1.48-01	1.48-01	2 N, 2N	
39-Y -89	1.48-01	1.48-01	1 N, 2N	
39-Y -89	1.48-01	1.48-01	1 N, 2N	C/S RATIO
40-ZR-90	1.48-01	1.48-01	1 N, 2N	
40-ZR-90	1.48-01	1.48-01	1 N, 2N	
40-ZR-90	1.48-01	1.48-01	1 N, 2N	C/S RATIO
58-CC-140	1.48-01	1.49-01	1 N, 2N	
58-CC-140	1.48-01	1.48-01	1 N, 2N	
58-CC-140	1.48-01	1.48-01	1 N, 2N	C/S RATIO
81-TL-203	1.48-01	1.48-01	1 N, 2N	
81-TL-203	1.48-01	1.48-01	1 N, 2N	
81-TL-203	1.48-01	1.48-01	1 N, 2N	C/S RATIO

26-FC-54 7.60-03 6.52-01 104 RES. PARAM.
26-FC-56 -2.00-03 4.98-01 118 RES. PARAM.

20-CA-NAT	1.61-03	5.48-01	702	TOTAL
20-CA-NAT	8.25-02	1.03-01	2	RES.PARAM
20-CA-40	1.08-02	5.35-01	36	RES.PARAM
20-CA-42	3.74-02	3.74-02	1	RES.PARAM
20-CA-44	5.18-02	5.18-02	1	RES.PARAM

9-F -19	5.42-04	1.97-01	324	TOTAL
9-F -19	0.	2.00-01	1	AV.RES.PARAM.
9 F -19	2.69-02	9.75-02	9	RES PARAM.

23-V	-NAT	5.44+00	8.56+00	4	ELASTIC	
23-V	-NAT	4.19+00	8.56+00	1065	N,N'	
23-V	-NAT	5.44+00	8.56+00	97	ELASTIC	DIA)
23-V	-NAT	4.19+00	8.56+00	197	N,N'	DIA)

13-AL-27 7.97+00 9.05+00 27 ELASTIC DIA

[illegible]

REF BIBLIOGRAPHY

3582 M.T. MC ELLISTREM (U.KENTUCKY)
VAN DE GRAAFF NEUTRON SOURCE.

TARGET	EN.	RANGE (MEV)	PTS	DESCRIPTION
13-AL-27	7.97+00	9.05+00	60	N,N' D(A)
14-SI-NAT	7.71+00	9.05+00	44	ELASTIC D(A)
14-SI-28	7.71+00	9.05+00	44	N,N' D(A)
15-P -31	7.79+00	9.05+00	26	ELASTIC D(A)
15-P -31	7.97+00	9.05+00	30	N,N' D(A)
16-S -NAT	7.97+00	9.05+00	28	ELASTIC D(A)
16-S -32	7.97+00	9.05+00	28	N,N' D(A)

3583 PHYS. REV. C, 7, 1736 (1973) D.E. VELKLEY, J.D. BRANDENBERGER,
D.W. GLASGOW, M.T. MC ELLISTREM, J.C. MANTHURUTHIL,
C.P. POIRIER (WRIGHT-PATTERSON AFB)
TANDEM VAN DE GRAAFF NEUTRON SOURCE.

6-C -NAT	7.20+00	9.00+00	106	ELASTIC D(A)
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3584 ORNL-486: (1973) J.K. DICKEYS, T.A. LOVE, G.L. MOOGAN (ORNL)
OAK RIDGE ELECTRON LINAC TIME OF FLIGHT NEUTRON SOURCE.

7-N -NAT	2.50+00	1.85+01	2034	N,X0 D(A)
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3585 PHYS. REV. C, 9, 2181 (1974) D.E. VELKLEY, D.W. GLASGOW,
J.D. BRANDENBERGER, M.T. MC ELLISTREM, J.C. MANTHURUTHIL,
C.P. POIRIER (U.KENTUCKY)
4 MEV TANDEM VAN DE GRAAFF NEUTRON SOURCE.

13-AL-27	8.97+00	8.97+00	27	ELASTIC D(A)
13-AL-27	8.97+00	8.97+00	81	N,N' D(A)
14-SI-NAT	8.92+00	8.92+00	27	ELASTIC D(A)
14-SI-NAT	8.92+00	8.92+00	27	N,N' D(A)
26-FE-NAT	8.97+00	8.97+00	17	ELASTIC D(A)
26-FE-NAT	8.97+00	8.97+00	15	N,N' D(A)
27-CO-59	8.97+00	8.97+00	27	ELASTIC D(A)
28-NI-NAT	8.97+00	8.97+00	17	ELASTIC D(A)
28-NI-NAT	8.97+00	8.97+00	17	N,N' D(A)

3586 PHYS. REV. C, 10, 1087 (1974) F.D. MC DANIEL,
J.D. BRANDENBERGER, D.P. GLASGOW, H.G. LEIGHTON (U.KENTUCKY)

40-ZR-90	1.50+00	1.50+00	1	ELASTIC
40-ZR-90	1.50+00	1.50+00	14	ELASTIC D(A)
40-ZR-92	1.50+00	1.50+00	1	ELASTIC
40-ZR-92	1.50+00	1.50+00	1	N,N'
40-ZR-92	1.50+00	1.50+00	14	ELASTIC D(A)
40-ZR-92	1.50+00	1.50+00	14	N,N' D(A)
40-ZR-94	1.50+00	1.50+00	1	ELASTIC
40-ZR-94	1.50+00	1.50+00	1	N,N'
40-ZR-94	1.50+00	1.50+00	14	ELASTIC D(A)
40-ZR-94	1.50+00	1.50+00	14	N,N' D(A)
42-MO-92	1.50+00	1.50+00	1	ELASTIC
42-MO-92	1.50+00	1.50+00	14	ELASTIC D(A)
42-MO-94	1.50+00	1.50+00	1	ELASTIC
42-MO-94	1.50+00	1.50+00	1	N,N'
42-MO-94	1.50+00	1.50+00	14	ELASTIC D(A)
42-MO-94	1.50+00	1.50+00	14	N,N' D(A)
42-MO-96	1.50+00	1.50+00	1	ELASTIC
42-MO-96	1.50+00	1.50+00	2	N,N'
42-MO-96	1.50+00	1.50+00	14	ELASTIC D(A)
42-MO-96	1.50+00	1.50+00	28	N,N' D(A)
42-MO-100	1.50+00	1.50+00	1	ELASTIC
42-MO-100	1.50+00	1.50+00	2	N,N'
42-MO-100	1.50+00	1.50+00	14	ELASTIC D(A)
42-MO-100	1.50+00	1.50+00	28	N,N' D(A)

3587 PHYS. REV. C, 8, 1504 (1973) B.J. ALLEN, R.L. MACKLIN,

82-PB-204	2.59+03	1.28+02	6	RES. PARAM.
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REF BIBLIOGRAPHY

TARGET	EN.	RANGE (MEV)	PTS	DESCRIPTION
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07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3587

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
3587 R.R.WINTERS, C.Y.FU (ORNL) ORELA LINAC NEUTRON SOURCE.	82-PB-206 82-PB-207 82-PB-208	3.36-03 1.99-01 3.07-03 1.81-01 7.77-02 7.77-02	35 RES.PARAM. 17 RES.PARAM. 2 RES.PARAM.
3588 PHYS. REV. C, 7, 1766 (1973) R.L.MACKLIN, R.R.WINTERS (ORNL) ORELA LINAC NEUTRON SOURCE.	9-F -19	2.70-02 4.90+00	36 RES.PARAM.
3589 ORNL-4907 (1974) H.E.KINNEY, F.G.PEREY (ORNL) VAN DE GRAAFF NEUTRON SOURCE.	26-FE-54 26-FE-54 26-FE-54 26-FE-54 26-FE-54	5.50+00 8.50+00 5.50+00 8.50+00 8.50+00 8.50+00 5.50+00 8.50+00 5.50+00 8.50+00	3 ELASTIC 52 N,N' 1 N,N' 62 ELASTIC D(A) 323 N,N' D(A)
3590 BULL. AM. PHYS. SOC. 17, 555 (1972) A.MITTLER, J.A.CORREIA (LOWELL INST.TECH.) VAN DE GRAAFF NEUTRON SOURCE. BULL. AM. PHYS. SOC. 18, 649 (1973)	23-V -51 23-V -51 25-MN-55 25-MN-55	1.10+00 4.50+00 1.10+00 4.50+00 1.00+00 3.60+00 1.00+00 3.60+00	71 N,N' 110 N,N' D(A) 83 N,N' 86 N,N' D(A)
3591 PHYS. REV. C, 10, 2150 (1974) U.N.SINGH, H.L.LIOU, L.J.RAINHATER, G.HACKEN, J.B.GARG (COLUMBIA U.) NEVIS SYNCHROCYCLOTRON. ALSO SEE REF.3117.	12-MG-NAT 12-MG-24 12-MG-24 12-MG-25	4.00-06 4.98-01 0. 5.00-01 0.35-02 4.97-01 1.99-02 1.99-02	398 TOTAL 1 AV.RES.PARAM. 11 RES.PARAM. 3 RES.PARAM.
3592 PRIVATE COMMUNICATION (1975) J.W.MEADOWS (ANL) FISSION CROSS SECTION RATIOS. ALSO SEE REF.3249.	92-U -238	1.09+00 3.03+00	30 N,FISS C/S RATIO
3593 BULL. AM. PHYS. SOC. 19, 1123 (1975) H.L.ALFORD, T.H.KAO (AUBURN U.) DYNAMITRON NEUTRON SOURCE.	44-RU-96 44-RU-96	1.51+01 1.51+01 1.51+01 1.51+01	1 N,2N 1 ACTIVAT
3594 PHYS. REV. C, 7, 2522 (1973) B.L.BERMAN, J.C.BROWNE (LLL) LLL LINAC NEUTRON SOURCE. UCRL-74256 (1972)	56-BA-130 56-BA-130 56-BA-132 56-BA-134 56-BA-135 56-BA-136 56-BA-137	2.00-05 4.99-03 4.64-05 2.77-03 1.04-04 2.05-03 1.02-04 1.95-03 2.44-05 2.25-03 4.20-04 1.95-03 4.20-04 1.95-03	4369 N,0 178 RES.PARAM. 17 RES.PARAM. 11 RES.PARAM. 20 RES.PARAM. 4 RES.PARAM. 5 RES.PARAM.
3595 PHYS. REV. C, 8, 1539 (1973) P.STOLER, N.N.KAVSHAL, F.GREEN (RPI) RPI LINAC NEUTRON SOURCE.	1-H -2	2.24-02 9.92-01	446 TOTAL
3596 COD-3058-39 PAGE 9 (1973) R.L.REED, R.W.HOCKENBURY, R.C.BLOCK (RPI) RPI LINAC NEUTRON SOURCE.	92-U -233 92-U -235	1.00-08 1.11-04 1.20-08 2.64-05	54 NU-PRMT 37 NU-PRMT
3597 BULL. AM. PHYS. SOC. 20, 163 (1975) C.M.BARTLE (U.WISCONSIN) U. WISCONSIN TANDEM NEUTRON SOURCE. NUCLEAR INSTRUMENTS AND METHODS 121, 119 (1974) BULL. AM. PHYS. SOC. 19, 507 (1974)	3-LI-6	2.16+00 9.66+00	24 N,T
3598 BULL. AM. PHYS. SOC. 20, 560 (1975) S.K.GHORAI, H.L.ALFORD	39-Y -89	1.26+01 1.78+01	7 N,2N

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-483 ***

REF.NO.=3598

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3598

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3598 (AUBURN U.)
EXCITATION FUNCTION BY ACTIVATION.

3599 PRIVATE COMMUNICATION (1975) J.W.MEADOWS (ANL)
TANDEM DYNAMITRON NEUTRON SOURCE. 94-PU-241 1.50-01 5.00+00 15 NU-DLAY

3600 PHYS. REV. C, 11, 1117 (1975) U.N.SINGH, L.J.RAINHATER,
H.I.LIOU, G.HACKEN, J.B.GARG (COLUMBIA U.)
NEVIS SYNCHROCYCLOTRON NEUTRON SOURCE. 13-AL-27 4.05-03 4.18-01 432 TOTAL
13-AL-27 5.89-03 2.02-01 2 AV.RES.PARAM.
13-AL-27 5.89-03 2.02-01 21 RES.PARAM.

3601 NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 387 (1970)
W.KOLAR, G.CARRARO, G.NASTRI (OEEL)
60 MEV ELECTRON LINAC NEUTRON SOURCE. 92-U -233 6.76-07 7.53-04 11454 TOTAL
92-U -233 2.5-06 3.00-05 3 AV.RES.PARAM.
92-U -233 2.00-06 5.21-05 216 RES.PARAM.

3602 NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 403 (1970)
G.CARRARO, W.KOLAR (OEEL)
60 MEV ELECTRON LINAC NEUTRON SOURCE.
CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, 2, 701 (1971) 92-U -238 6.46-05 1.40-02 10516 TOTAL
92-U -238 6.00-05 2.00-03 3 AV.RES.PARAM.
92-U -238 6.60-05 5.76-03 754 RES.PARAM.

3603 CONF. ON NEUTRON C/S TECHNOLOGY.KNOXVILLE, 2, 707/823 (1971)
W.KOLAR, G.CARRARO, J.P.THEOBALD, J.A.WARTENA
SEE REF.3115 FOR THE RESONANCE PARAMETERS FROM THESE PAPERS.
ALSO SEE REF.3208. 94-PU-241 6.79-07 7.34-04 6990 TOTAL

3604 CEA-N-1459 (1971) H.TELLIER (SACLAY)
60 MEV SACLAY ELECTRON LINAC NEUTRON SOURCE. 60-ND-142 1.00-04 3.20-02 10457 TOTAL
60-ND-143 6.51-05 3.00-02 11195 TOTAL
60-ND-144 9.00-05 2.93-02 9337 TOTAL
60-ND-145 3.06-05 2.50-02 13803 TOTAL
60-ND-146 3.00-05 4.98-03 10969 TOTAL
60-ND-148 4.00-05 1.11-02 11853 TOTAL
60-ND-150 1.83-05 1.40-02 14580 TOTAL

3605 CONF. BUDAPEST, P/19 (1972)
REPORTED IN
CEA-N-1338 (1970) H.TELLIER (SACLAY)
SACLAY LINAC NEUTRON SOURCE. ALSO SEE REF.3136. 67-HO-165 6.22-04 6.22-04 1 POT.SCT
67-HO-165 5.00-06 2.00-01 3 AV.RES.PARAM.
67-HO-165 8.16-06 1.72-03 1118 RES.PARAM.

3606 CEA-N-1268 (1970) H.TELLIER, M.ALIX, J.W.T.DAUBS, JR. (SACLAY)
SACLAY LINAC NEUTRON SOURCE. 52-TE-NAT 0. 4.00-03 3 AV.RES.PARAM.
52-TE-NAT 3.20-04 2.66-03 81 RES.PARAM.
52-TE-122 0. 1.08-02 2 AV.RES.PARAM.
52-TE-122 7.22-05 1.08-02 149 RES.PARAM.
52-TE-123 0. 6.60-04 4 AV.RES.PARAM.
52-TE-123 2.41-05 1.95-03 167 RES.PARAM.
52-TE-124 0. 2.90-02 2 AV.RES.PARAM.
52-TE-124 3.47-04 2.80-02 295 RES.PARAM.
52-TE-125 0. 7.80-03 4 AV.RES.PARAM.
52-TE-125 9.02-05 7.74-03 453 RES.PARAM.
52-TE-126 0. 1.77-02 2 AV.RES.PARAM.
52-TE-126 2.00-04 1.77-02 187 RES.PARAM.
52-TE-128 0. 2.18-02 2 AV.RES.PARAM.
52-TE-128 3.48-04 2.18-02 138 RES.PARAM.
52-TE-130 0. 3.01-02 2 AV.RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-484 ***

REF.NO.=3606

07/04/76

ECS(L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3606

REF BIBLIOGRAPHY

3606

TARGET EN. RANGE (MEV) PTS DESCRIPTION

52-TE-130 1.14-03 3.01-02 78 RES.PARAM.

3607 CEA-N-1459 (1971) H.TELLIER (SACLAY)
SEE REFS.1817, 3135, 3136 FOR RELATED WORK BY THIS GROUP.
INDC(FR)-44 (1971)
COMPT. REND. 272, 695 (1971)

60-ND-NAT 0. 2.00-03 2 AV.RES.PARAM.
60-ND-142 0. 3.10-02 2 AV.RES.PARAM.
60-ND-142 2.18-04 3.10-02 111 RES.PARAM.
60-ND-143 0. 5.50-03 7 AV.RES.PARAM.
60-ND-143 5.53-05 5.50-03 353 RES.PARAM.
60-ND-144 0. 1.94-02 2 AV.RES.PARAM.
60-ND-144 3.73-04 1.94-02 111 RES.PARAM.
60-ND-145 0. 4.65-03 8 AV.RES.PARAM.
60-ND-145 4.25-05 4.63-03 599 RES.PARAM.
60-ND-146 0. 1.80-02 2 AV.RES.PARAM.
60-ND-146 3.69-04 3.10-02 161 RES.PARAM.
60-ND-148 0. 1.20-02 2 AV.RES.PARAM.
60-ND-140 9.49-05 2.30-02 248 RES.PARAM.
60-ND-150 0. 1.40-02 2 AV.RES.PARAM.
60-ND-150 7.88-05 2.47-02 265 RES.PARAM.

3608 CEA-N-1268 (1970) H.TELLIER, M.ALIX, J.W.T.DABBS, JR. (SACLAY)
SACLAY LINAC NEUTRON SOURCE. RESONANCE PARAMETERS FOR THESE
DATA ARE GIVEN IN REF.3608.

52-TE-NAT 2.14-04 6.20-0313105 TOTAL

3609 CEA-N-1338 (1970) H.TELLIER (SACLAY)
SACLAY LINAC NEUTRON SOURCE. RESONANCE PARAMETERS FOR THESE
DATA ARE GIVEN IN REF.3609.

67-HO-165 3.58-05 3.05-0313787 TOTAL

3610 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. BUDAPEST, 38 (1972)
H.TELLIER, M.ALIX (SACLAY)
SACLAY LINAC NEUTRON SOURCE. ALSO SEE REF.3136.

59-TM-169 1.00-03 1.00-03 1 POT.SCT
59-TM-169 0. 8.00-02 6 AV.RES.PARAM.
59-TM-169 3.92-06 1.94-03 973 RES.PARAM.

3611 PRIVATE COMMUNICATION (1972) H.TELLIER, M.ALIX (SACLAY)
RESONANCE PARAMETERS FOR THESE DATA ARE GIVEN IN REF.3610.

59-TM-169 2.55-05 5.00-0312400 TOTAL

3612 J. NUCLEAR ENERGY 22, 299 AND 317 (1968) W.KOLAR,
K.H. BOCKHOFF (GEEL)
THE RESONANCE PARAMETERS CORRESPONDING TO THESE DATA ARE
GIVEN IN REF.1534.

94-PU-240 1.96-05 5.70-0338562 TOTAL

3613 NUCLEAR SCIENCE AND ENGINEERING 50, 98 (1973) J.K.DICKENS
(ORNL)
ORNL VAN DE GRAAFF NEUTRON SOURCE.

11-NA-23 4.85+00 7.50+00 153 N,XO D(A)
11-NA-23 6.45+00 7.00+00 2 N.P D(A)

3614 NUCLEAR INSTRUMENTS AND METHODS 111, 237 (1973)
C.E.HOLLANDSWORTH, W.P.BUCHER, J.E.YOUNGBLOOD, A.NIELER
(BALLISTIC RES.LAB.)
BRL TANDEM VAN DE GRAAFF NEUTRON SOURCE.
BRL-R-1764 (1975)

4-BE-9 7.53+00 7.55+00 6 ELASTIC D(A)
6-C -NAT 7.55+00 7.55+00 6 ELASTIC D(A)
13-AL-27 7.55+00 7.55+00 6 ELASTIC D(A)
26-FE-NAT 7.55+00 7.55+00 6 ELASTIC D(A)
29-CU-NAT 7.55+00 7.55+00 6 ELASTIC D(A)
50-SN-NAT 7.55+00 7.55+00 6 ELASTIC D(A)
74-W -NAT 7.55+00 7.55+00 6 ELASTIC D(A)

3615 NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 543 (1970)
J.A.FARRELL, G.F.AUCHAMPAUGH, M.S.MOORE, P.A.SIEGER (LASL)

94-PU-239 1.00-04 3.00-02 20 ALPHA RES.INT.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-485 ***

REF.NO.=3615

07/04/76

EC51L-7600 L. BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3615

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3615 UNDERGROUND NUCLEAR EXPLOSION NEUTRON SOURCE.

3616 ORNL-4937 PAGE 181 (1974) J.H.T. DABBS, JR., C.E. BEMIS, JR.,
G.D. JAMES, N.W. HILL, M.S. MOORE, A.N. ELLIS (ORNL)
ORELA LINAC NEUTRON SOURCE.

98 OF 249 7 08 07 1.68-05 35 RES. PARAM.

3617 ORNL-TM-4232 (1973) J.K. DICKENS, T.A. LOVE, G.L. MORGAN (ORNL)
ORELA LINAC NEUTRON SOURCE.

13-AL-27 1.04+00 4.47+00 340 N,XG D(A)
13-AL-27 9.45-01 1.85+01 5011 N,XG D(E,A)

3618 NUCLEAR PHYS. B, 92, 269 (1975) P.V.R. MURTHY, C.A. AYRE,
H.R. GUSTAFSON, L.W. JONES, M.J. LONGO (U. MICHIGAN)
FERMILAB ACCELERATOR.
PHYS. REV. LETTERS 33, 1440 (1974)

1-H -2 3.40+04 2.73+05 7 TOTAL
4-BE-9 3.40+04 2.73+05 7 TOTAL
6-C -NAT 3.40+04 2.73+05 7 TOTAL
13-AL-27 3.40+04 2.73+05 7 TOTAL
26-FE-NAT 3.40+04 2.73+05 7 TOTAL
29-CU-NAT 3.40+04 2.73+05 7 TOTAL
48-CD-NAT 3.40+04 2.73+05 7 TOTAL
74-W -NAT 3.40+04 2.73+05 7 TOTAL
92-PB -NAT 3.40+04 2.73+05 7 TOTAL
92-U -238 3.40+04 2.73+05 7 TOTAL

3619 UCRL-76219 (1975) J.W. BEHRENS, G.W. CARLSON, R.W. BAUER (LLL)
LLL LINAC NEUTRON SOURCE.
CONF. ON NEUTRON C/S TECHNOLOGY, WASH. D.C., 2, 591 (1975)

92-U -233 1.03-03 2.84+01 215 N,FISS C/S RATIO
92-U -234 1.25-01 3.28+01 74 N,FISS C/S RATIO
92-U -236 1.15-01 3.28+01 64 N,FISS C/S RATIO
92-U -238 1.44-01 2.91+01 239 N,FISS C/S RATIO

3620 PHYS. REV. LETTERS 33, 925 (1974) M.J. LONGO, C.A. AYRE,
H.R. GUSTAFSON, L.W. JONES, P.V.R. MURTHY, P. SKUBIC, B. CORK
(U. MICHIGAN)
FERMILAB ACCELERATOR.
NUCLEAR PHYS. B, 92, 269 (1975)

1-H -1 3.40+04 2.73+05 7 TOTAL

3621 DISSERTATION ABSTRACTS B, 34, 6026 (1974) G.K. UNDERHILL
(STANFORD U.)
RESONANCE INTEGRALS.

92-U -235 5 00-07 1 50+01 1 N,FISS RES. INT.
92-U -238 5 00-07 1 50+01 1 N,0 RES. INT.

3622 NUCLEAR SCIENCE AND ENGINEERING 55, 440 (1974) R.W. BENJAMIN,
C.F. AMFIELD, J.A. HARVEY, N.W. HILL (ORNL)
ORELA LINAC NEUTRON SOURCE.

96-CM-246 4 31 06 1.58 04 11 RES. PARAM.
96-CM-248 7 24 06 2.98-03 97 RES. PARAM.

3623 PHYS. REV. C, 9, 1972 (1974) D.O. NELLIS, G.L. MORGAN,
E.L. HUOPINEN (TEXAS NUCLEAR)
VAN DE GRAAFF NEUTRON SOURCE.

82 PB 208 3 10+00 5.25+00 40 N,N' D(A)

3624 BULL. AM. PHYS. SOC. 19, 700 (1974) H.C. KAO, D.L. HUMPHREY
(WESTERN KENTUCKY U.)
ISOMERIC CROSS SECTIONS.

37-RB-87 1.47+01 1.47+01 1 N,2N
48-CD-112 1.47+01 1.47+01 1 N,2N
96-BA-138 1.47+01 1.47+01 1 N,2N
74-W -106 1.47+01 1.47+01 1 N,2N

3625 PHYS. REV. C, 11, 1231 (1975) H.I. LIOU, L.J. RAINWATER,
G. HACKEN, U.N. SINGH (COLUMBIA U.)
NEVIS SYNCHROCYCLOTRON.

71 U-175 2 00 05 5.00-04 3 AV. RES. PARAM.
71 U-175 2 00 05 2.98-03 892 RES. PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-486 ***

REF. NO. = 3625

REF. NO. = 3626

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1	0.000-0.005	1	0.000-0.005
2	0.005-0.010	1	0.005-0.010
3	0.010-0.015	1	0.010-0.015
4	0.015-0.020	1	0.015-0.020
5	0.020-0.025	1	0.020-0.025
6	0.025-0.030	1	0.025-0.030
7	0.030-0.035	1	0.030-0.035
8	0.035-0.040	1	0.035-0.040
9	0.040-0.045	1	0.040-0.045
10	0.045-0.050	1	0.045-0.050
11	0.050-0.055	1	0.050-0.055
12	0.055-0.060	1	0.055-0.060
13	0.060-0.065	1	0.060-0.065
14	0.065-0.070	1	0.065-0.070
15	0.070-0.075	1	0.070-0.075
16	0.075-0.080	1	0.075-0.080
17	0.080-0.085	1	0.080-0.085
18	0.085-0.090	1	0.085-0.090
19	0.090-0.095	1	0.090-0.095
20	0.095-0.100	1	0.095-0.100
21	0.100-0.105	1	0.100-0.105
22	0.105-0.110	1	0.105-0.110
23	0.110-0.115	1	0.110-0.115
24	0.115-0.120	1	0.115-0.120
25	0.120-0.125	1	0.120-0.125
26	0.125-0.130	1	0.125-0.130
27	0.130-0.135	1	0.130-0.135
28	0.135-0.140	1	0.135-0.140
29	0.140-0.145	1	0.140-0.145
30	0.145-0.150	1	0.145-0.150
31	0.150-0.155	1	0.150-0.155
32	0.155-0.160	1	0.155-0.160
33	0.160-0.165	1	0.160-0.165
34	0.165-0.170	1	0.165-0.170
35	0.170-0.175	1	0.170-0.175
36	0.175-0.180	1	0.175-0.180
37	0.180-0.185	1	0.180-0.185
38	0.185-0.190	1	0.185-0.190
39	0.190-0.195	1	0.190-0.195
40	0.195-0.200	1	0.195-0.200
41	0.200-0.205	1	0.200-0.205
42	0.205-0.210	1	0.205-0.210
43	0.210-0.215	1	0.210-0.215
44	0.215-0.220	1	0.215-0.220
45	0.220-0.225	1	0.220-0.225
46	0.225-0.230	1	0.225-0.230
47	0.230-0.235	1	0.230-0.235
48	0.235-0.240	1	0.235-0.240
49	0.240-0.245	1	0.240-0.245
50	0.245-0.250	1	0.245-0.250
51	0.250-0.255	1	0.250-0.255
52	0.255-0.260	1	0.255-0.260
53	0.260-0.265	1	0.260-0.265
54	0.265-0.270	1	0.265-0.270
55	0.270-0.275	1	0.270-0.275
56	0.275-0.280	1	0.275-0.280
57	0.280-0.285	1	0.280-0.285
58	0.285-0.290	1	0.285-0.290
59	0.290-0.295	1	0.290-0.295
60	0.295-0.300	1	0.295-0.300
61	0.300-0.305	1	0.300-0.305
62	0.305-0.310	1	0.305-0.310
63	0.310-0.315	1	0.310-0.315
64	0.315-0.320	1	0.315-0.320
65	0.320-0.325	1	0.320-0.325
66	0.325-0.330	1	0.325-0.330
67	0.330-0.335	1	0.330-0.335
68	0.335-0.340	1	0.335-0.340
69	0.340-0.345	1	0.340-0.345
70	0.345-0.350	1	0.345-0.350
71	0.350-0.355	1	0.350-0.355
72	0.355-0.360	1	0.355-0.360
73	0.36		

14-51-NAT 2.53-08 2.53-08 1 COHERT

13-AL-27	7.00-08	8.35-07	4 TOTAL
13-AL-27	2.53-08	8.35-07	5 N.G
26-NI-NAT	3.30-08	2.70-07	4 TOTAL
26-NI-NAT	2.53-08	2.70-07	5 N.G
29-CU-NAT	3.30-08	2.70-07	4 TOTAL
29-CU-NAT	2.53-08	2.70-07	5 N.G
40-ZR-NAT	3.30-08	2.70-07	4 TOTAL
40-ZR-NAT	2.53-08	2.70-07	5 N.G
47-AG-NAT	7.1-08	8.35-07	4 TOTAL
47-AG-NAT	2.53-08	8.35-07	5 N.G
60-ND-NAT	3.30-08	2.70-07	4 TOTAL
60-ND-NAT	2.53-08	2.70-07	5 N.G
65-TB-159	3.30-08	2.70-07	4 TOTAL
65-TB-159	2.53-08	2.70-07	5 N.G
68-CR-NAT	3.30-08	2.70-07	4 TOTAL
68-CR-NAT	2.53-08	2.70-07	5 N.G
73-TA-NAT	7.00-08	8.35-07	4 TOTAL
73-TA-181	2.53-08	8.35-07	5 N.G

3-LI-NAT	5.38-01	2.05+01	285 N,N'	D(A)
9-F-18	1.38+00	1.85+01	1744 N,XO	D(E,A)

92-U -238 5.33+00 1.03+01 20 N,FISS C/S RATIO

1-H -1	7.25+02	3.40+03	26 TOTAL
1-H -2	7.25+02	3.40+03	26 TOTAL

92-U -235 7.54-01 2.01+01 88 N.FISS

19-K	-NAT	1.00-03	3.99-01	1197	TOTAL
19-K	-NAT	1.21-02	1.98-01	16	RES.PARAM.
19-K	-39	0.	1.02-01	2	AV.RES.PARAM.
19-K	-39	1.11-03	1.93-01	98	RES.PARAM.
19-K	-41	0.	4.00-02	2	AV.RES.PARAM.
19-K	-41	2.02-03	1.20-01	53	RES.PARAM.

82-P8-NAT	7.00+00	1.40+01	39 ELASTIC DIA
92-U -238	7.00+00	1.40+01	16 ELASTIC DIA

17-CL-NAT 2.02-05 3.99-01 1045 TOTAL
17-CL-NAT 1.63-02 1.80-01 26 RES. PARAM.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1	0.000-0.005	1	0.000-0.005
2	0.005-0.010	1	0.005-0.010
3	0.010-0.015	1	0.010-0.015
4	0.015-0.020	1	0.015-0.020
5	0.020-0.025	1	0.020-0.025
6	0.025-0.030	1	0.025-0.030
7	0.030-0.035	1	0.030-0.035
8	0.035-0.040	1	0.035-0.040
9	0.040-0.045	1	0.040-0.045
10	0.045-0.050	1	0.045-0.050
11	0.050-0.055	1	0.050-0.055
12	0.055-0.060	1	0.055-0.060
13	0.060-0.065	1	0.060-0.065
14	0.065-0.070	1	0.065-0.070
15	0.070-0.075	1	0.070-0.075
16	0.075-0.080	1	0.075-0.080
17	0.080-0.085	1	0.080-0.085
18	0.085-0.090	1	0.085-0.090
19	0.090-0.095	1	0.090-0.095
20	0.095-0.100	1	0.095-0.100
21	0.100-0.105	1	0.100-0.105
22	0.105-0.110	1	0.105-0.110
23	0.110-0.115	1	0.110-0.115
24	0.115-0.120	1	0.115-0.120
25	0.120-0.125	1	0.120-0.125
26	0.125-0.130	1	0.125-0.130
27	0.130-0.135	1	0.130-0.135
28	0.135-0.140	1	0.135-0.140
29	0.140-0.145	1	0.140-0.145
30	0.145-0.150	1	0.145-0.150
31	0.150-0.155	1	0.150-0.155
32	0.155-0.160	1	0.155-0.160
33	0.160-0.165	1	0.160-0.165
34	0.165-0.170	1	0.165-0.170
35	0.170-0.175	1	0.170-0.175
36	0.175-0.180	1	0.175-0.180
37	0.180-0.185	1	0.180-0.185
38	0.185-0.190	1	0.185-0.190
39	0.190-0.195	1	0.190-0.195
40	0.195-0.200	1	0.195-0.200
41	0.200-0.205	1	0.200-0.205
42	0.205-0.210	1	0.205-0.210
43	0.210-0.215	1	0.210-0.215
44	0.215-0.220	1	0.215-0.220
45	0.220-0.225	1	0.220-0.225
46	0.225-0.230	1	0.225-0.230
47	0.230-0.235	1	0.230-0.235
48	0.235-0.240	1	0.235-0.240
49	0.240-0.245	1	0.240-0.245
50	0.245-0.250	1	0.245-0.250
51	0.250-0.255	1	0.250-0.255
52	0.255-0.260	1	0.255-0.260
53	0.260-0.265	1	0.260-0.265
54	0.265-0.270	1	0.265-0.270
55	0.270-0.275	1	0.270-0.275
56	0.275-0.280	1	0.275-0.280
57	0.280-0.285	1	0.280-0.285
58	0.285-0.290	1	0.285-0.290
59	0.290-0.295	1	0.290-0.295
60	0.295-0.300	1	0.295-0.300
61	0.300-0.305	1	0.300-0.305
62	0.305-0.310	1	0.305-0.310
63	0.310-0.315	1	0.310-0.315
64	0.315-0.320	1	0.315-0.320
65	0.320-0.325	1	0.320-0.325
66	0.325-0.330	1	0.325-0.330
67	0.330-0.335	1	0.330-0.335
68	0.335-0.340	1	0.335-0.340
69	0.340-0.345	1	0.340-0.345
70	0.345-0.350	1	0.345-0.350
71	0.350-0.355	1	0.350-0.355
72	0.355-0.360	1	0.355-0.360
73	0.36		

REF. NO. = 3634

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF NO. ORDERED)

REF.NO.=3634

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
3634 (COLUMBIA U.) NEVIS SYNCHROCYCLOTRON.	17-CL-35	0. 1.13-01	2 AV.RES.PARAM.
	17-CL-35	3.97-04 1.90-01	30 RES.PARAM.
	17-CL-37	8.30-03 9.31-02	1 AV.RES.PARAM.
	17-CL-37	8.31-03 9.30-02	18 RES.PARAM.
3635 PHYS. REV. C, 11, 2022 (1975) H.I.LIU, L.J.RAINWATER, G.HACKEN, U.N.SINGH (COLUMBIA U.) NEVIS SYNCHROCYCLOTRON.	72-HF-177	0. 6.96-04	2 AV.RES.PARAM.
	72-HF-177	1.09-06 6.96-04	379 RES.PARAM.
	72-HF-178	7.77-06 7.19-04	1 AV.RES.PARAM.
	72-HF-178	7.77-06 7.19-04	24 RES.PARAM.
3636 ANL-NOM-14 (1975) D.L.SMITH, J.W.MEADOWS (ANL) ACTIVATION CROSS SECTIONS.	30-ZN-66	5.56+00 9.96+00	16 N.P
	30-ZN-66	5.5+00 9.96+00	16 N.P C/S RATIO
	49-IN-113	7.54-01 1.00+01	52 N.N'
	49-IN-113	7.54-01 1.00+01	52 N.N' C/S RATIO
	49-IN-115	4.43-01 1.00+01	55 N.N'
	49-IN-115	4.43-01 1.00+01	55 N.N' C/S RATIO
3637 BULL. AM. PHYS. SOC. 20, 171 (1975) D.C.SANTRY, J.P.BUTLER (CHALK R.) VAN DE GRAAFF AND TANDEM VAN DE GRAAFF NEUTRON SOURCES.	49-IN-115	3.48-01 1.47+01	78 N.N'
3638 DISSERTATION ABSTRACTS B, 20, 3834 (1968) M.DIVADEENAN, E.G.BILPUCH, H.W.NEWSON (DUKE U.) VAN DE GRAAFF NEUTRON SOURCE.	42-M 92	1.30-01 6.40-01	103 TOTAL
	42-MO-94	1.10-01 6.50-01	212 TOTAL
	42-MO-95	1.30-01 6.40-01	103 TOTAL
	42-MO-96	1.30-01 6.40-01	103 TOTAL
	42-MO-98	1.30-01 6.40-01	103 TOTAL
	42-MO-100	1.30-01 6.40-01	103 TOTAL
	44-RU-NAT	1.20-01 6.40-01	30 TOTAL
	45-RH-103	1.10-01 6.40-01	108 TOTAL
	47-AG-NAT	1.00-01 6.60-01	81 TOTAL
	49-IN-NA1	1.20-01 6.60-01	32 TOTAL
	57-LA-139	1.20-01 6.40-01	28 TOTAL
	72-HF-NAT	1.20-01 6.40-01	27 TOTAL
	73-TA-NAT	1.20-01 6.40-01	27 TOTAL
	74-W -NAT	1.20-01 6.40-01	27 TOTAL
	76-OS-NAT	1.20-01 6.40-01	27 TOTAL
	77-IR-NAT	1.20-01 6.40-01	27 TOTAL
	81-TL-NAT	1.10-01 6.50-01	110 TOTAL
	82-PB-NAT	1.00-01 6.60-01	30 TOTAL
	83-TI-209	1.10-01 6.50-01	109 TOTAL
	90-TM-232	1.50-01 6.00-01	10 TOTAL
	92-U -NAT	1.50-01 6.00-01	10 TOTAL
3640 J. NUCLEAR ENERGY 25, 263 (1971) A.J.DERUYTTER, C.WAGEMANS (GEEL) ELECTRON LINAC URANIUM PHOTONEUTRON SOURCE.	92-U -235	2.01-08 1.09-05	870 N.FISS
	92-U -235	1.00-07 2.05-05	6 N.FISS RES.INT.
3641 J. NUCLEAR ENERGY 26, 293 (1972) A.J.DERUYTTER, C.WAGEMANS (GEEL) ELECTRON LINAC NEUTRON SOURCE.	94-PU-239	1.98-08 2.01-03	560 N.FISS
	94-PU-239	6.00-06 3.00-05	6 N.FISS RES.INT.
3642 J. NUCLEAR ENERGY 26, 643 (1972) H.WEIGMANN, J.P.THOBALD	94-PU-240	2.00-05 6.70-04	1 AV.RES.PARAM.
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION

*** 3-488 ***

REF.NO.=3642

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3642

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
3642 (GEEL) 60 MEV ELECTRON LINAC NEUTRON SOURCE.	94-PU-240	3.83-05 6.65-04	93 RES.PARAM.
3643 J. NUCLEAR ENERGY 26, 91 (1972) K.H. BOCKHOFF, A. DUFRASNE, G. ROHR, H. WEIGMANN (GEEL) 60 MEV LINAC NEUTRON SOURCE.	92-U -235	5.82-03 2.69-01	4093 TOTAL
3644 NUCLEAR PHYS. 134, 535 (1969) H. WEIGMANN, J. WINTER, M. HECKE (GEEL) LINAC NEUTRON SOURCE.	92-U -235	6.39-06 3.94-05	46 N,XG D(E)
	92-U -235	0. 4.00-05	2 AV.RES.PARAM.
	92-U -235	6.39-06 3.94-05	18 RES.PARAM.
3645 Z. PHYSIK 244, 358 (1971) H.-H. KNITTER, M. COPPOLA, N. AHMED, B. JAY (GEEL) 3 MEV VAN DE GRAAFF NEUTRON SOURCE.	92-U -238	1.50-00 5.50+00	7 SCATTER
	92-U -238	1.50+00 2.30+00	14 N,N'
	92-U -238	1.50+00 5.50+00	119 SCATTER D(A)
	92-U -238	1.50+00 2.30+00	119 N,N' D(A)
	92-U -238	1.50+00 2.30+00	3 N,FISS D(A)
	92-U -238	1.90+00 2.30+00	2 NUCLEAR TEMP.
3646 Z. PHYSIK 248, 355 (1971) W. KOLAR, J.P. THEOBALD, G. LANZANO (GEEL) CBNM ELECTRON LINAC NEUTRON SOURCE.	93-NP-237	2.00-05 5.19-05	807 N,FISS
	93-NP-237	2.04-05 5.03-05	28 RES.PARAM.
3647 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 1, 513 (1968) H.G. CAO, E. MIGNECO, J.P. THEOBALD, J.A. WARTENA (GEEL) ELECTRON LINAC NEUTRON SOURCE.	94-PU-240	1.86-05 2.98-03	7114 SCATTER
	94-PU-240	2.04-05 2.87-04	28 RES.PARAM.
3648 NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 117 (1970) A.J. DERUYTTER, W. BECKER (GEEL) BELGIAN BR2 HIGH FLUX REACTOR.	92-U -235	2.53-08 2.53-08	1 N,FISS
	94-PU-239	2.53-08 2.53-08	1 N,FISS
3649 NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 449 (1970) F. POORTMANS, H. CEULEMANS, E. MIGNECO, J.P. THEOBALD (GEEL) ELECTRON LINAC NEUTRON SOURCE.	92-U -235	7.38-06 1.90-04	1364 ELASTIC
	92-U -235	6.00-05 6.00-05	1 POT.SCT
	92-U -235	8.00-06 5.70-05	2 AV.RES.PARAM.
	92-U -235	8.78-06 5.64-05	52 RES.PARAM.
3650 PRIVATE COMMUNICATION (1972) P. RIBON (SACLAY) THIS IS AN UPDATING OF EARLIER WORK. SEE REFERENCES 2149, 2152, 2155, 2434, 2464, AND 2480.	54-XE-NAT	2.13-06 4.09-03	23768 TOTAL
	54-XE-NAT	3.25-04 3.25-04	1 POT.SCT
	54-XE-NAT	9.88-06 3.97-03	97 RES.PARAM.
	54-XE-124	5.16-06 2.51-04	4 RES.PARAM.
	54-XE-125	4.59-04 2.33-03	4 RES.PARAM.
	54-XE-128	2.30-04 3.44-03	2 AV.RES.PARAM.
	54-XE-128	2.37-04 3.44-03	23 RES.PARAM.
	54-XE-129	9.00-06 1.86-04	3 AV.RES.PARAM.
	54-XE-129	9.57-06 4.08-03	218 RES.PARAM.
	54-XE-130	4.30-04 3.60-03	2 AV.RES.PARAM.
	54-XE-130	4.30-04 3.56-03	47 RES.PARAM.
	54-XE-131	1.40-05 1.74-04	3 AV.RES.PARAM.
	54-XE-131	.44-05 3.94-03	87 RES.PARAM.
	54-XE-132	6.43-04 4.00-03	2 AV.RES.PARAM.
	54-XE-132	6.43-04 3.85-03	20 RES.PARAM.
	54-XE-134	1.00-03 1.00-03	2 RES.PARAM.
	90-TH-232	2.12-04 1.06-02	4117 TOTAL

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-489 ***

REF. NO. = 3650

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3650

REF BIBLIOGRAPHY

3650

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
90-TI-232	3.50-04 7.50-04	1	POT. SCT
90-TI-232	8.00-06 3.06-04	4	AV. RES. PARAM.
90-TI-232	8.31-05 3.00-03	657	RES. PARAM.

3651 KFK-1190 (1970) L. KROPP, P. FORTI, S. CIERJACKS, G. J. KIROUAC, D. KOPSCH, J. NEBE (KARLSRUHE)
KARLSRUHE CYCLOTRON NEUTRON SOURCE. THE DATA ARE IN C.M., BUT THE ANGLE QUOTED IS THE LAB ANGLE.
EANDC(E)-1270 (1970)

4-BE-9	8.00+00 3.00+01	575	N, A	D(A)
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3652 EANDC(E)-89 PAGE 1 (1968) G. ROHR, K.-N. MUELLER (KARLSRUHE)
VAN DE GRAAFF NEUTRON SOURCE.

29-CU-63	3.98-02 1.43-01	880	TOTAL
29-CU-65	3.98-02 2.64-01	1152	TOTAL

3653 NUCLEAR PHYS. 155, 21 (1970) W. MICHAELIS (KARLSRUHE)
REACTOR NEUTRON SOURCE.

63-EU-151	2.53-08 2.53-08	247	N, X0	D(E)
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3654 NUCLEAR PHYS. 159, 49 (1970) D. HECK, N. AHMED, U. FANGER, W. MICHAELIS, H. OTTMAR, H. SCHMIDT (KARLSRUHE)
REACTOR NEUTRON SOURCE.

42-MO-95	2.53-08 2.53-08	291	N, X0	D(E)
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3655 NUCLEAR PHYS. 165, 327 (1971) D. HECK, U. FANGER, W. MICHAELIS, H. OTTMAR, H. SCHMIDT (KARLSRUHE)
THERMAL NEUTRON SOURCE.

42-MO-97	2.53-08 2.53-08	229	N, X0	D(E)
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3656 NUCLEAR SCIENCE AND ENGINEERING 48, 324 (1972) R. E. BANDL, H. MIESNER, F. H. FROHNER (KARLSRUHE)
VAN DE GRAAFF NEUTRON SOURCE.
KFK-1563 (1972)

92-U -235	8.00-03 6.00-02	21	ALPHA	RES. INT.
94-PU-239	8.00-03 6.00-02	21	ALPHA	RES. INT.

3657 Z. PHYSIK 227, 1 (1969) G. ROHR, K.-N. MUELLER (KARLSRUHE)
SEE REF. 1552 FOR TOTAL CROSS SECTION DATA THAT CORRESPOND TO THESE RESONANCE PARAMETERS.

26-FE-57	0. 2.00-01	13	AV. RES. PARAM.
26-FE-57	2.91-02 1.69-01	38	RES. PARAM.

3658 PRIVATE COMMUNICATION (1973) F. H. FROHNER (KARLSRUHE)
THIS IS A CORRECTION AND EXTENSION OF SOME OF THE DATA CONTAINED IN REF. 3067.

21-SC-45	1.90-02 1.07-01	9	AV. RES. PARAM.
21-SC-45	1.91-02 1.05-01	102	RES. PARAM.
22-TI-47	8.00-03 7.60-02	9	AV. RES. PARAM.
22-TI-47	8.13-03 7.45-02	69	RES. PARAM.
28-NI-61	6.94-03 6.30-02	1578	TOTAL
28-NI-61	7.00-03 6.90-02	9	AV. RES. PARAM.
28-NI-61	7.15-03 6.87-02	76	RES. PARAM.

3659 AE-222 (1966) S. F. BERSHAU (STUDSVIK)
REACTOR FAST-CHOPPER NEUTRON SOURCE. 20 DEGREE CENTIGRADE MICROCRYSTALLINE ALPHA PHASE URANIUM TARGET.

92-U -NAT	4.96-09 2.83-08	64	TOTAL
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3660 AE-430 (1971) B. HOLMQUIST, T. WIEDLING (STUDSVIK)
VAN DE GRAAFF NEUTRON SOURCE. SEE REF. 2890 FOR RELATED DATA FROM THIS GROUP.

26-FE-NAT	5.96+00 5.96+00	1	ELASTIC
26-FE-NAT	5.96+00 5.96+00	13	ELASTIC D(A)
33-AS-75	8.05+00 8.05+00	1	ELASTIC
33-AS-75	8.05+00 8.05+00	20	ELASTIC D(A)
41-NB-93	8.05+00 8.05+00	1	ELASTIC
41-NB-93	8.05+00 8.05+00	19	ELASTIC D(A)
42-MO-NAT	8.05+00 8.05+00	1	ELASTIC

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-490 ***

REF. NO. = 3660

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3660

REF BIBLIOGRAPHY

3650

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
42-MO-NAT	8.05+00 8.05+00	19	ELASTIC D(A)
48-CD-NAT	8.05+00 8.05+00	1	ELASTIC
48-CD-NAT	8.05+00 8.05+00	19	ELASTIC D(A)
51-SB-NAT	8.05+00 8.05+00	1	ELASTIC
51-SB-NAT	8.05+00 8.05+00	19	ELASTIC D(A)
72-HF-NAT	8.05+00 8.05+00	1	ELASTIC
72-HF-NAT	8.05+00 8.05+00	20	ELASTIC D(A)
79-AU-197	8.05+00 8.05+00	1	ELASTIC
79-AU-197	8.05+00 8.05+00	20	ELASTIC D(A)
82-PB-NAT	8.05+00 8.05+00	1	ELASTIC
82-PB-NAT	8.05+00 8.05+00	20	ELASTIC D(A)
82-PB-206	8.05+00 8.05+00	1	ELASTIC
82-PB-206	8.05+00 8.05+00	19	ELASTIC D(A)

3661 ARKIV FYSIK 34, 247 (1967) B.LUNDBERG, S.SCHWARZ,
H.O.ZETTERSTROM (RIND,STOCKHOLM)
HIGH VOLTAGE GENERATOR (D,T) NEUTRON SOURCE.

7-N -NAT	1.48+01 1.48+01	1	ELASTIC
7-N -14	1.48+01 1.48+01	22	ELASTIC D(A)
6-O -NAT	1.48+01 1.48+01	1	ELASTIC
8-O -16	1.48+01 1.48+01	15	ELASTIC D(A)

3662 ARKIV FYSIK 39, 295 (1969) B.JONSSON, K.NYBERG-PONNERT,
I.BERGQVIST (LUND)
LUND AN-400 POSITIVE ION ACCELERATOR NEUTRON SOURCE.

26-FE-NAT	1.51+01 1.51+01	19	N,XO D(A)
26-FE-54	1.51+01 1.51+01	1	N,N'
26-FE-56	1.51+01 1.51+01	1	N,N'
26-FE-56	1.51+01 1.51+01	1	N,2N
26-FE-56	1.51+01 1.51+01	1	N,P
28-NI-NAT	1.51+01 1.51+01	9	N,XO D(A)
28-NI-58	1.51+01 1.51+01	1	N,N'
28-NI-60	1.51+01 1.51+01	1	N,N'
28-NI-62	1.51+01 1.51+01	1	N,N'
29-CU-NAT	1.51+01 1.51+01	13	N,XO D(A)
29-CU-63	1.51+01 1.51+01	1	N,N'
29-CU-63	1.51+01 1.51+01	1	N,N',P
29-CU-65	1.51+01 1.51+01	1	N,N'
29-CU-65	1.51+01 1.51+01	1	N,2N
29-CU-65	1.51+01 1.51+01	1	N,N',P
82-PB-NAT	1.51+01 1.51+01	1	N,N'
82-PB-NAT	1.51+01 1.51+01	1	N,2N
82-PB-NAT	1.51+01 1.51+01	11	N,XO D(A)
82-PB-208	1.51+01 1.51+01	1	N,2N D(A)
83-BI-209	1.51+01 1.51+01	1	N,N'
83-BI-209	1.51+01 1.51+01	1	N,N'
83-BI-209	1.51+01 1.51+01	5	N,XO D(A)

3663 ARKIV FYSIK 40, 197 (1970) H.LINUSSON, R.HARDELL,
S.E.ARNELL (GOTHENBURG)
HEAVY WATER REACTOR NEUTRON SOURCE.

31-GA-69	2.53+08 2.53+08	156	N,G SPECT. AV.
31-GA-71	2.53+08 2.53+08	190	N,G SPECT. AV.

3664 ACTA PHYSICA AUSTRIACA 20, 300 (1965) M.FUERST-RAUCH,
H.MUENZER (IRK,AUSTRIA)
COCKCROFT-WALTON NEUTRON SOURCE.
OESTERH. AKAD. WISS. MATH.-NATURW. KL. SITZ. ABT. 174, 187 (1965)

8-O -16	1.36+01 1.41+01	15	N,A D(A)
8-O -16	1.36+01 1.41+01	15	N,A D(A)

3665 ANALES FISICA 64, 373 (1968) F.MANERO (JEN,MADRID)

25-MN-55	3.33+00 5.14+00	62	TOTAL
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REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-491 ***

REF.NO.=3665

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3665

REF BIBLIOGRAPHY

3665 VAN DE GRAAFF NEUTRON SOURCE.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
27-CO-59	3.31+00 5.15+00	65	TOTAL
41-NB-93	3.32+00 5.10+00	62	TOTAL
90-TM-232	3.34+00 5.10+00	60	TOTAL

3666 ANALES FISICA 64, 63 (1968) F.MANERO (JEN,MADRID)
VAN DE GRAAFF NEUTRON SOURCE.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
8-U-NAT	3.32+00 5.21+00	88	TOTAL
57-LA-NAT	3.34+00 5.18+00	65	TOTAL
58-CE-NAT	3.29+00 5.18+00	67	TOTAL
59-PR-141	3.32+00 5.99+00	66	TOTAL

3667 ANALES FISICA 66, 27 (1970) F.MANERO (JEN,MADRID)
VAN DE GRAAFF NEUTRON SOURCE.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
14-SI-NAT	3.34+00 5.10+00	63	TOTAL
73-TA-NAT	3.34+00 5.10+00	67	TOTAL
92-U-NAT	3.2+00 5.10+00	60	TOTAL

3668 CNAEM-52 (1968) R.O.AKYUZ, C.CANSOY, F.DOMANIC,
Y.ORGEEVREN (CNRC,ISTANBUL)
CRYSTAL SPECTROMETER MONOCHROMATOR.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
62-SM-NAT	6.21-08 9.51-07	45	TOTAL
62-SM-149	9.73-08 8.72-07	10	RES.PARAM.

3669 CNAEM-79 (1971) C.CANSOY (CNRC,ISTANBUL)
CRYSTAL SPECTROMETER MONOCHROMATOR.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
65-TB-159	3.50-07 3.05-06	29	TOTAL
65-TB-159	3.05-06 3.05-06	1	POT.SCT
65-TB-159	3.34-06 3.34-06	1	RES.PARAM.
69-TM-169	3.50-07 3.20-06	30	TOTAL
69-TM-169	3.20-06 3.20-06	1	POT.SCT
69-TM-169	3.90-06 3.90-06	1	RES.PARAM.

3670 EANDC(OH)-115 PAGE 28 (1972) P.I.JOHANSSON, B.HOLMQVIST,
T.WIEDLING (STUDSVIK)
VAN DE GRAAFF NEUTRON SOURCE.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
92-U -235	5.30-01 5.30-01	54	N,FISS D(E)
92-U -235	5.30-01 5.30-01	1	NUCLEAR TEMP.

3671 EANDC(E)-57 PAGE 69 (1965) A.FABRY, J.P.DEWORM
(CEN,MOL,BELGIUM)
REACTOR NEUTRON SOURCE.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
12-MG-24	1.00+00 1.00+00	1	N,P SPECT.AV.
13-AL-27	1.00+00 1.00+00	2	N,A SPECT.AV.
16-S-32	1.00+00 1.00+00	1	N,P SPECT.AV.
22-TI-46	1.00+00 1.00+00	1	N,P SPECT.AV.
25-MN-55	1.00+00 1.00+00	1	N,2N SPECT.AV.
26-Fe-54	1.00+00 1.00+00	1	N,P SPECT.AV.
28-NI-58	1.00+00 1.00+00	1	N,P SPECT.AV.
28-NI-58	1.30+00 1.00+00	1	N,P SPECT.AV.
28-NI-58	1.00+00 1.00+00	1	N,P SPECT.AV.
41-NB-93	1.22+00 1.00+00	1	N,2N SPECT.AV.
49-IN-115	1.00+00 1.00+00	1	N,N' SPECT.AV.

3672 EANDC(E)-66 PAGE 125 (1966) A.FABRY, J.P.DEWORM
(CEN,MOL,BELGIUM)
U235 FISSION PLATE NEUTRON SOURCE.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
13-AL-27	1.00+00 1.00+00	1	N,P SPECT.AV.
26-Fe-56	1.00+00 1.00+00	1	N,P SPECT.AV.
29-CU-63	1.00+00 1.00+00	1	N,A SPECT.AV.
30-ZN-64	1.00+00 1.00+00	1	N,P SPECT.AV.
42-MO-92	1.00+00 1.00+00	1	N,P SPECT.AV.

3673 EANDC(E)-76 PAGE 101 (1967) F.POORTMANS (MOL,BELGIUM)
CRYSTAL SPECTROMETER.
NUCLEAR PHYS. 62, 641 (1965)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
72-IR-177	2.40-06 2.40-06	2	RES.PARAM.

3674 EANDC(F)-75 PAGE 106 (1967) J.P.DEWORM (MOL,BELGIUM)
REACTOR THERMAL COLUMN.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
27-CO-59	2.53-08 2.53-08	1	N,G

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-492 ***

REF.NO.=3674

REF. NO. #3675

[illegible]

26-FC-58 2.53-08 2.53-08 1 N.G

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74-W -186 2.53-08 2.53-08 1 N.G
74-W -186 5.00-07 1.50*01 1 N.G RES. INT.
74-W -186 1.88-05 1.88-05 3 RES. PARAM.

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29-CU-63 2.53-08 2.53-08 1 N.G

42-MO-98	2.53-08	2.53-08	1 N.O
71-LU-175	2.53-08	2.53-08	1 N.O

66-DY-156	2.53-08	2.53-08	1 N.O	
66-DY-156	5.00-07	1.50+01	1 N.O	RES. INT.
66-DY-156	2.53-08	2.53-08	1 N.O	
66-DY-158	5.00-07	1.50+01	1 N.O	RES. INT.
66-DY-164	2.53-08	2.53-08	1 N.O	
66-DY-164	2.53-08	2.53-08	2 N.O	
66-DY-164	5.00-07	1.50+01	1 N.O	RES. INT.
66-DY-165	2.53-08	2.53-08	1 N.O	
66-DY-165	5.00-07	1.50+01	1 N.O	RES. INT.

11-NA-23	5.00-07	1.50+01	1 N G	RES. INT.
20-CA-46	5.00-07	1.50+01	1 N G	RES. INT.
21-SC-45	5.00-07	1.50+01	1 N G	RES. INT.
26-FC-58	5.00-07	1.50+01	1 N G	RES. INT.
27-CO-59	5.00-07	1.50+01	1 N G	RES. INT.
30-ZN-64	5.00-07	1.50+01	1 N G	RES. INT.
30-ZN-68	5.00-07	1.50+01	1 N G	RES. INT.
37-RB-85	5.00-07	1.50+01	1 N G	RES. INT.
38-SR-94	5.00-07	1.50+01	1 N G	RES. INT.
55-WG-98	5.00-07	1.50+01	1 N G	RES. INT.
51-SB-121	5.00-07	1.50+01	1 N G	RES. INT.
55-CS-133	5.00-07	1.50+01	1 N G	RES. INT.
56-BA-130	5.00-07	1.50+01	1 N G	RES. INT.
57-LA-139	5.00-07	1.50+01	1 N G	RES. INT.
58-CC-140	5.00-07	1.50+01	1 N G	RES. INT.
59-PR-141	5.00-07	1.50+01	1 N G	RES. INT.
60-ND-146	5.00-07	1.50+01	1 N G	RES. INT.
62-SM-152	5.00-07	1.50+01	1 N G	RES. INT.
64-GD-152	2.53-08	2.53-08	1 N G	RES. INT.
64-GD-152	5.00-07	1.50+01	1 N G	RES. INT.
64-GD-158	5.00-07	1.50+01	1 N G	RES. INT.
65-TB-159	5.00-07	1.50+01	1 N G	RES. INT.
67-HO-165	5.00-07	1.50+01	1 N G	RES. INT.
69-TM-169	5.00-07	1.50+01	1 N G	RES. INT.
70-YB-168	5.00-07	1.50+01	1 N G	RES. INT.
70-YB-174	5.00-07	1.50+01	1 N G	RES. INT.

[illegible]

REF. NO. = 3680

07/04/76

ECSIL-7500 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3680

REF BIBLIOGRAPHY

3680

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
72-HF-180	5.00-07 1.50+01	1 N,G	RES.INT.
73-TA-181	5.00-07 1.50+01	1 N,G	RES.INT.
90-TM-232	5.00-07 1.50+01	1 N,G	RES.INT.
92-U -238	5.00-07 1.50+01	1 N,G	RES.INT.

3681 J. NUCLEAR ENERGY 16, 447 (1962) H.DEPUYDT,
M.NEVE DE MEVERGNIES (MOL,BELGIUM)
REACTOR THERMAL COLUMN.

13-AL-27	1.00+00 1.00+00	1 N,A	SPECT.AV.
16-S -32	1.00+00 1.00+00	1 N,P	SPECT.AV.

3682 J. NUCLEAR ENERGY 27, 71 (1973) J.HELLSTROEM
(STUDSVIK,SWEDEN)
VAN DE GRAAFF NEUTRON SOURCE.

47-AG-NAT	4.00-02 1.50+00	13 N,G	
47-AG-NAT	4.00-02 1.50+00	13 N,G	C/S RATIO
49-IN-NAT	3.00-02 1.50+00	14 N,G	
49-IN-NAT	3.00-02 1.50+00	14 N,G	C/S RATIO
73-TA-NAT	3.00-02 1.50+00	14 N,G	
73-TA-NAT	3.00-02 1.50+00	14 N,G	C/S RATIO

3684 AE-FN-25 (1972) S.G.MALMSKÖG (STUDSVIK,SWEDEN)
VAN DE GRAAFF NEUTRON SOURCE.

24-CR-NAT	5.00-01 1.47+00	40 ELASTIC	
24-CR-NAT	5.00-01 1.47+00	280 ELASTIC	D(A)
26-FE-NAT	6.50-01 1.45+00	33 ELASTIC	
26-FE-NAT	6.50-01 1.45+00	231 ELASTIC	D(A)
28-NI-NAT	5.00-01 1.47+00	40 ELASTIC	
28-NI-NAT	5.00-01 1.47+00	280 ELASTIC	D(A)

3685 AMSTERDAM UNIVERSITY THESIS (1966) H.NAGEL (AMSTERDAM)
COCKCROFT-WALTON (D.T) NEUTRON SOURCE.
J. NUCLEAR ENERGY, PARTS A/8, 20, 475 (1966)
PHYSICA 31, 1091 (1965)
PHYSICA 30, 775 (1964)
SEE ALSO REF. 1777.

9-F -19	1.42+01 1.44+01	4 N,2N	
17-CL-35	1.46+01 1.46+01	2 N,P	
17-CL-35	1.46+01 1.46+01	2 N,A	
20-CA-42	1.46+01 1.46+01	1 N,P	
20-CA-43	1.46+01 1.46+01	1 N,P	
29-CU-65	1.42+01 1.46+01	3 N,2N	
45-RH-103	1.42+01 1.42+01	2 N,N'	
49-IN-115	1.46+01 1.46+01	1 N,N'	
49-IN-115	1.42+01 1.42+01	1 N,2N	
49-IN-115	1.46+01 1.46+01	1 N,A	
55-CS-133	1.42+01 1.46+01	4 N,2N	
76-OS-188	1.46+01 1.46+01	1 N,P	
76-OS-190	1.46+01 1.46+01	1 N,A	

3686 NUCLEAR INSTRUMENTS AND METHODS 17, 273 (1962) J.BETHMEIER,
C.C.JONKER, M.RODENBURG, J.W.HOVENIER, D.R.MEULEN
(U.AMSTERDAM)
COCKCROFT-WALTON NEUTRON SOURCE.

6-C -12	1.48+01 1.48+01	8 N,N'	D(A)
63-BI-209	1.48+01 1.48+01	6 N,N'	

3687 NUCLEAR PHYS. 80, 321 (1966) J.VAN MIJDELSKOOP, H.GRUPPELAAR
(U.UTRECHT)
HIGH FLUX REACTOR NEUTRON SOURCE.

16-S -32	2.53-08 2.53-08	23 N,G	SPECT.AV.
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3688 NUCLEAR PHYS. 102, 209 (1967) P.SPILLING, H.GRUPPELAAR,
A.M.F.O.P DEN KAMP (U.UTRECHT)
HIGH FLUX REACTOR NEUTRON SOURCE.

12-MG-NAT	2.53-08 2.53-08	11 N,G	SPECT.AV.
12-MG-24	2.53-08 2.53-08	1 N,G	SPECT.AV.
12-MG-24	2.53-08 2.53-08	15 N,G	SPECT.AV.
12-MG-25	2.53-08 2.53-08	1 N,G	SPECT.AV.
12-MG-25	2.53-08 2.53-08	67 N,G	SPECT.AV.
12-MG-26	2.53-08 2.53-08	1 N,G	SPECT.AV.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-494 ***

REF.NO.=3688

07/04/75

EC51L-7500 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3688

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3688	12-MG-26	2.53-08 2.53-08	8 N,G	SPECT.AV.
3689 NUCLEAR PHYS. 102, 226 (1967) H.GRUPPELAAR, P.SPILLING (U.UTRECHT) HIGH FLUX REACTOR NEUTRON SOURCE.	20-CA-NAT 20-CA-40 20-CA-40 20-CA-42 20-CA-42 20-CA-43 20-CA-43 20-CA-44 20-CA-44	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 N,G 1 N,G 37 N,G 1 N,G 1 N,G 1 N,G 2 N,G 1 N,G 5 N,G	SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV.
3690 NUCLEAR PHYS. 123, 215 (1969) R.HARDELL, A.HASSELGREN (CHALMERS U.OF TECH.,GOTHENBURG,SWEDEN) HEAVY WATER REACTOR THERMAL NEUTRON SOURCE.	9-F -19	2.53-08 2.53-08	80 N,G	SPECT.AV.
3691 NUCLEAR PHYS. 126, 392 (1969) R.HARDELL, S.O.IDETJAEF H.AHLGREN (CHALMERS U.OF TECH.,GOTHENBURG,SWEDEN) HEAVY WATER REACTOR THERMAL NEUTRON SOURCE.	13-AL-27	2.53-08 2.53-08	96 N,G	SPECT.AV.
3692 NUCLEAR PHYS. 145, 449 (1970) A.M.J.SPITS, A.M.F.OP DEN KAMP, H.GRUPPELAAR (U.UTRECHT) HIGH FLUX REACTOR NEUTRON SOURCE.	14-SI-NAT 14-SI-20 14-SI-29 14-SI-30	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	3 N,G 20 N,G 8 N,G 3 N,G	SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV.
3693 NUCLEAR PHYS. 150, 305 (1970) E.SELIN, E.WALLANDER (CHALMERS U.OF TECH.,GOTHENBURG,SWEDEN) HEAVY WATER REACTOR NEUTRON SOURCE.	12-MG-24 12-MG-25 12-MG-26	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 N,G 1 N,G 54 N,G	SPECT.AV. SPECT.AV. SPECT.AV.
3694 NUCLEAR PHYS. 161, 354 (1971) D.SPAARGAREN, C.C.JONKER (U.AMSTERDAM) COCKCROFT-HALTON (D.T.) NEUTRON SOURCE.	6-C -NAT 6-C -NAT 6-C -12 6-C -12 6-C -12	1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01 1.50+01	12 ELASTIC D(A) 12 N,N' DIA) 1 N,N' 7 N,N' DIA) 2 N,N' LEGEND.COEF	
3695 NUCLEAR PHYS. 172, 409 (1971) F.PODRTMANS, I.GIRLEA, A.FABRY (MOL,BELGIUM) CRYSTAL SPECTROMETER NEUTRON SOURCE.	63-EU-NAT 63-EU-151 63-EU-151 63-EU-151 63-EU-151 63-EU-151	2.26-08 7.53-07 2.53-08 2.53-08 2.07-08 4.60-07 2.53-08 2.53-08 -3.61-09 4.60-07 -3.61-09 3.61-09	127 TOTAL 1 N,G 9 N,G 1 N,G 3 N,G 2 RES.PARAM.	
3696 NUCLEAR PHYS. 180, 569 (1972) A.M.F.OP DEN KAMP, A.M.J.SPITS (U.UTRECHT) HIGH FLUX REACTOR NEUTRON SOURCE.	19-K -39 19-K -41	2.53-08 2.53-08 2.53-08 2.53-08	222 N,G 15 N,G	SPECT.AV. SPECT.AV.
3697 NUCLEAR PHYS. 181, 545 (1972) P.KUIJPER, J.C.VEEFKIND, C.C.JONKER (U.AMSTERDAM) COCKCROFT-HALTON (D.T.) NEUTRON SOURCE.	6-C -NAT 6-C -NAT 11-NA-23 11-NA-23 38-SR-NAT 38-SR-NAT	1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01 1.47+01	6 ELASTIC D(A) 19 N,N' DIA) 1 TOTAL 8 ELASTIC D(A) 1 TOTAL 8 ELASTIC DIA)	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-495 ***

REF.NO.=3697

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3697

REF BIBLIOGRAPHY	TARGET	EN.	RANGE (MEV)	PTS	DESCRIPTION
3697	38-SR-NAT	1.47+01	1.47+01	16 N,N'	D(A)
	83-BI-209	1.47+01	1.47+01	1 TOTAL	
	83-BI-209	1.47+01	1.47+01	8 ELASTIC	D(A)
	83-BI-209	1.47+01	1.47+01	24 N,N'	D(A)
3698 NUCLEAR PHYS. 186, 209 (1972) G.ALENUS, S.E.ARNELL, C.SCHALE, E.WALLANDER (CHALMERS U.OF TECH.,GOTHENBURG,SWEDEN) HEAVY WATER REACTOR NEUTRON SOURCE.	70-YB-176	2.53-08	2.53-08	78 N,0	SPECT.AV.
	72-HF-178	2.53-08	2.53-08	86 N,0	SPECT.AV.
3699 NUCLEAR PHYS. 188, 129 (1972) E.WALLANDER, E.SELIN (CHALMERS U.OF TECH.,GOTHENBURG,SWEDEN) HEAVY WATER REACTOR NEUTRON SOURCE.	70-YB-170	2.53-08	2.53-08	73 N,0	SPECT.AV.
3700 NUCLEAR PHYS. 188, 535 (1972) J.KOPECKY, K.ABRAHAMS, F.STECHER-RASMUSSEN (PETTEN,NETHERLANDS) HIGH FLUX REACTOR NEUTRON SOURCE.	24-CR-50	2.53-08	2.53-08	10 N,0	SPECT.AV.
	24-CR-52	2.53-08	2.53-08	5 N,0	SPECT.AV.
	26-FE-54	2.53-08	2.53-08	10 N,0	SPECT.AV.
	28-NI-60	2.53-08	2.53-08	6 N,0	SPECT.AV.
	28-NI-62	2.53-08	2.53-08	5 N,0	SPECT.AV.
3701 NUCLEAR PHYS. 198, 353 (1972) A.HASSELGREN (CHALMERS U.OF TECH.,GOTHENBURG,SWEDEN) HEAVY WATER REACTOR NEUTRON SOURCE.	32-GE-72	2.53-08	2.53-08	34 N,0	SPECT.AV.
	32-GE-74	2.53-08	2.53-08	41 N,0	SPECT.AV.
	32-GE-76	2.53-08	2.53-08	7 N,0	SPECT.AV.
3702 NUKLEONIK 10, 280 (1967) A.FABRY (MOL,BELGIUM) J NUCLEAR ENERGY 16, 447 (1962)	13-AL-27	1.00+00	1.00+00	1 N,A	SPECT.AV.
	16-S-32	1.00+00	1.00+00	1 N,P	SPECT.AV.
	49-IN-115	1.00+00	1.00+00	1 N,N'	SPECT.AV.
	49-IN-115	1.00+00	1.00+00	1 N,0	SPECT.AV.
	79-AU-197	1.00+00	1.00+00	1 N,0	SPECT.AV.
3703 AMSTERDAM UNIVERSITY THESIS (1971) J.G.NIJENHUIS (U.AMSTERDAM) CYCLOTRON NEUTRON SOURCE.	40-ZR-NAT	2.52+01	2.52+01	11 ELASTIC	D(A)
3704 RISO-M-1516 (1972) J.Olsen (RISO,DENMARK) REACTOR NEUTRON SOURCE.	47-AG-109	2.53-08	2.53-08	2 N,0	SPECT.AV.
	47-AO-109	5.00-07	1.50+01	2 N,0	RES.INT.
	55-CS-133	2.53-08	2.53-08	1 N,0	SPECT.AV.
3705 PHYSICA 38, 48 (1968) E.R.REDDINGIUS, J.F.M.POTTERS, H.FOSTMA (PETTEN,NETHERLANDS) HIGH FLUX REACTOR NEUTRON SOURCE.	60-ND-143	4.80-08	4.80-08	16 N,XG	DIE)
	60-ND-145	4.80-08	4.80-08	16 N,XG	DIE)
3706 PHYSICA 40, 567 (1969) E.R.REDDINGIUS, H.FOSTMA (PETTEN,NETHERLANDS) HIGH FLUX REACTOR NEUTRON SOURCE.	62-SM-147	2.53-08	2.53-08	8 N,0	SPECT.AV.
	62-SM-149	2.53-08	2.53-08	23 N,0	SPECT.AV.
	62-SM-152	2.53-08	2.53-08	30 N,0	SPECT.AV.
3707 PHYS. LETTERS 28, 642 (1969) C.D.ANDRIESSE, A.COMPAGNER, A.HASHAN, J.J.VAN LOEF, F.VAN ZEVENBERGEN (TECH.U.,DELFT) CRYSTAL SPECTROMETER NEUTRON SOURCE.	18-AR-36	4.96-09	4.96-09	1 COHERT	
3708 PHYS. REV. C, 1, 1326 (1970) G.DECONINCK, J.P.MEULDERS (U.LOUVAIN) VAN DE GRAAFF (D,T) NEUTRON SOURCE.	6-C -NAT	1.67+01	2.03+01	44 TOTAL	
	6-C -NAT	1.72+01	1.98+01	3 ELASTIC	
	6-C -NAT	1.72+01	1.98+01	3 NONELAS	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-496 ***

REF. NO. = 3708

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3708

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3708	6-C -NAT	1.47+01 2.02+01	54	ELASTIC D(A)
	6-C -12	1.82+01 1.98+01	2	N,N'
	6-C -12	1.72+01 1.98+01	35	N,N' D(A)
3709 PHYSICA SCRIPTA 1, 85 (1970) R.HARDELL, C.BEER (CHALMERS U.OF TECH.,GOTHENBURG,SWEDEN) THERMAL NEUTRON SOURCE.	18-AR-NAT	2.53-08 2.53-08	49	N,G SPECT.AV.
3710 PHYSICA SCRIPTA 2, 273 (1970) B.LUNDBERG, L.G.STROMBERG, H.CONDE (RIND,STOCKHOLM) VAN DE GRAAFF NEUTRON SOURCE.	8-O -16	6.58+00 8.20+00	32	N,N' D(A)
	8-O -16	6.87+00 7.82+00	19	N,N' D(A)
3711 PHYSICA SCRIPTA 3, 105 (1971) G.ALENUS, S.E.ARNELL, C.SCHALE, E.WALLANDER (CHALMERS U.OF TECH.,GOTHENBURG,SWEDEN) HEAVY WATER REACTOR NEUTRON SOURCE.	72-HF-180	2.53-08 2.53-08	137	N,G SPECT.AV.
3712 PHYSICA SCRIPTA 3, 55 (1971) G.ALENUS, S.E.ARNELL, C.SCHALE, E.WALLANDER (CHALMERS U.OF TECH.,GOTHENBURG,SWEDEN) HEAVY WATER REACTOR NEUTRON SOURCE.	70-YB-171	2.53-08 2.53-08	76	N,G SPECT.AV.
	70-YB-173	2.53-08 2.53-08	94	N,G SPECT.AV.
3713 PHYSICA SCRIPTA 4, 185 (1971) K.NYBERG-PONNERT, B.JONSSON, I.BERGQVIST (LUND U.) VAN DE GRAAFF NEUTRON SOURCE.	7-N -14	1.51+01 1.51+01	9	N,N' D(A)
	7-N -14	1.51+01 1.51+01	1	N,XO D(A)
	7-N -14	1.51+01 1.51+01	2	N,P D(A)
	7-N -14	1.51+01 1.51+01	2	N,D D(A)
	8-O -16	1.51+01 1.51+01	1	N,N' D(A)
	8-O -16	1.51+01 1.51+01	4	N,N' D(A)
	8-O -16	1.51+01 1.51+01	2	N,A D(A)
	12-MG-NAT	1.51+01 1.51+01	11	N,XO D(A)
	12-MG-24	1.51+01 1.51+01	7	N,N' D(A)
	12-MG-24	1.51+01 1.51+01	1	N,P D(A)
	12-MG-24	1.51+01 1.51+01	1	N,D D(A)
	12-MG-24	1.51+01 1.51+01	1	N,A D(A)
	12-MG-26	1.51+01 1.51+01	1	N,N' D(A)
	13-AL-27	1.51+01 1.51+01	15	N,N' D(A)
	13-AL-27	1.51+01 1.51+01	1	N,XO D(A)
	13-AL-27	1.51+01 1.51+01	1	N,XO D(A)
	13-AL-27	1.51+01 1.51+01	2	N,P D(A)
	13-AL-27	1.51+01 1.51+01	1	N,A D(A)
3714 PHYSICA SCRIPTA 4, 35 (1971) G.ALENUS, S.E.ARNELL, C.SCHALE, E.WALLANDER (CHALMERS U.OF TECH.,GOTHENBURG,SWEDEN) HEAVY WATER REACTOR NEUTRON SOURCE.	70-YB-174	2.53-08 2.53-08	126	N,G SPECT.AV.
3715 PHYSICA SCRIPTA 4, 89 (1971) S.E.ARNELL, R.HARDELL, A.HASSELGREN, C.G.MATTSSON, O.E.SKEPPSTEDT (CHALMERS U.OF TECH.,GOTHENBURG,SWEDEN) HEAVY WATER REACTOR NEUTRON SOURCE.	22-TI-50	2.53-08 2.53-08	9	N,G SPECT.AV.
	28-NI-64	2.53-08 2.53-08	14	N,G SPECT.AV.
3716 PHYSICA SCRIPTA 4, 95 (1971) G.NYSTROM, B.LUNDBERG, I.BERGQVIST (RIND,STOCKHOLM) VAN DE GRAAFF NEUTRON SOURCE.	9-F -19	2.72-02 4.80-02	4	RES.PARAM.
	12-MG-24	4.49-02 8.66-02	3	RES.PARAM.
	13-AL-27	3.57-02 3.57-02	2	RES.PARAM.
	14-SI-28	3.80-02 6.80-02	2	RES.PARAM.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-497 ***

REF.NO.=3716

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3716

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3716	15-P -31 16-S -32	2.65-02 2.65-02 2.94-02 4.20-02	1 9	RES. PARAM. RES. PARAM.
3717 PHYSICA SCRIPTA 5, 175 (1972) G. NYSTROEM, H. CONDE, B. LUNDBERG, L. G. STROMBERG (RIND, STOCKHOLM) VAN DE GRAAFF NEUTRON SOURCE.	7-N -14 7-N -14 7-N -14	5.90+00 6.90+00 4.20+00 6.90+00 6.90+00 6.90+00	2 19 99	NONE LAS N, XG D(A) N, XG D(A)
3718 RADIOCHIMICA ACTA 4, 32 (1965) J. DP DE BEECK, A. SPEEKE, J. HOSTE (U. GHENT) FAST FLUX REACTOR NEUTRON SOURCE.	62-PB-204	1.00+00 1.00+00	1	N, P SPECT. AV.
3719 RADIOCHIMICA ACTA 5, 188 (1966) R. DE NEVE, D. DE SOETE, J. HOSTE (U. GHENT) REACTOR THERMAL NEUTRON SOURCE.	32-GE-72 32-GE-72	2.53-08 2.53-08 2.53-08 2.53-08	1 1	N, P SPECT. AV. N, A SPECT. AV.
3720 RADIOCHIMICA ACTA 6, 29 (1966) D. DECAT, P. DEL MARMOL (MOL, BELGIUM)	48-CD-116	2.53-08 2.53-08	2	N, G SPECT. AV.
3721 RADIOCHIMICA ACTA 7, 90 (1967) M. DESCHUYTER, J. HOSTE (U. GHENT) REACTOR FAST FLUX NEUTRON SOURCE.	34-SE-74 34-SE-76 34-SE-77	1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00	1 1 1	N, P SPECT. AV. N, P SPECT. AV. N, P SPECT. AV.
3722 RADIOCHIMICA ACTA 8, 165 (1967) J. I. KIM, F. ADAMS (U. GHENT) REACTOR NEUTRON SOURCE.	80-HG-196 80-HG-196 80-HG-202 80-HG-202	2.53-08 2.53-08 5.00-07 1.50+01 2.53-08 2.53-08 5.00-07 1.50+01	2 2 1 1	N, G RES. INT. N, G RES. INT. N, G RES. INT. N, G RES. INT.
3723 RADIOCHIMICA ACTA 8, 192 (1967) J. P. FRANCOIS, D. DE SOETE, J. HOSTE (U. GHENT) REACTOR FAST FLUX NEUTRON SOURCE.	49-RH-103	1.00+00 1.00+00	1	N, P SPECT. AV.
3724 RADIOCHIMICA ACTA 14, 147 (1970) A. BRUGGEMAN, D. DE SOETE, J. HOSTE (U. GHENT) REACTOR FAST FLUX NEUTRON SOURCE.	14-SI-28 14-SI-29	1.00+00 1.00+00 1.00+00 1.00+00	1 1	N, P SPECT. AV. N, P SPECT. AV.
3725 RADIOCHIMICA ACTA 17, 46 (1972) J. R. HANSEN, E. STEINNES (KJELLER, NORWAY) REACTOR FAST FLUX NEUTRON SOURCE.	28-NI-60 28-NI-60 28-NI-61 28-NI-62	1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00	1 1 1 1	N, P SPECT. AV. N, P SPECT. AV. N, P SPECT. AV. N, P SPECT. AV.
3726 RADIOCHIMICA ACTA 17, 69 (1972) P. DE REGGE, R. DAMS, J. HOSTE (U. GHENT) REACTOR FAST FLUX NEUTRON SOURCE.	41-NB-93 41-NB-93	1.00+00 1.00+00 1.00+00 1.00+00	1 2	N, FISS SPECT. AV. N, A SPECT. AV.
3727 RCN-176 (1972) J. K. AALDIJK, H. M. M. KORSTJENS, W. L. ZIJP (PETTEN, NETHERLANDS) HIGH FLUX REACTOR NEUTRON SOURCE.	47-AO-109 47-AO-109	2.53-08 2.53-08 6.80-07 1.50+01	1 2	N, G RES. INT. N, G RES. INT.
3728 Z. NATURFORSCHG. 26, 1928 (1972) D. BREITIS (RISO, DENMARK) REACTOR NEUTRON SOURCE.	79-AU-198	2.53-08 2.53-08	54	N, G SPECT. AV.
3729 NUCLEAR STRUCTURE STUDY WITH NEUTRONS. ANTHEP, P/18 (1965)	3-LI-6	2.50-01 6.00-01	27	N, T D(A)

REF BIBLIOGRAPHY

TARGE EN. RANGE (MEV) PTS DESCRIPTION

*** 3-498 ***

REF. NO. = 3729

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3729

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3729 G.ROBAYE, L.WINAND, J.M.OELBROUCK-HABARU (U.LIEGE) VAN DE GRAAFF NEUTRON SOURCE.	3-LI-6	2.50-01 6.00-01	6 N,T	LEGEND.COEF
3730 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., 2, 1263 (1968) A.FABRY, M.DE COSTER (MOL,BELGIUM) FISSION SPECTRUM NEUTRON SOURCE.	29-CU-63 42-MO-98 66-DY-164 71-LU-175 92-U -235 92-U -238 92-U -238	1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00 1.00+00	1 N,G 1 N,G 1 N,G 1 N,G 1 N,FISS 1 N,FISS 1 N,G	SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV. SPECT.AV.
3731 PRIVATE COMMUNICATION (1971) E.ARAI (TOKYO INST.TECH.) COCKCROFT-WALTON (D,T) NEUTRON SOURCE.	4-BE-9 6-C -12	1.4+01 1.45+01 1.45+01 1.45+01	10 16	ELASTIC D(A) ELASTIC D(A)
3732 EANDC(J)-1 PAGE 24 (1965) A.YOSHIMURA, M.SONODA, A.KATASE, Y.WAKUTA, M.SEKI, T.AKIYOSHI, I.FUJITA, M.HYAKUTAKE (KYUSHU U.) COCKCROFT-WALTON (D,T) NEUTRON SOURCE.	6-C -NAT 6-C -12 6-C -12 6-C -12 73-TA-NAT 73-TA-NAT	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 3 13 38 7 14	ELASTIC N,N' ELASTIC D(A) N,N' D(A) ELASTIC D(A) N,N' D(A)
3733 EANDC(J)-7 PAGE 8 (1967) K.IDENO, M.OHKUBO, T.ASAMI (JAERI) ELECTRON LINAC NEUTRON SOURCE.	74-W -182 74-W -183	4.15-06 4.15-06 7.64-06 7.64-06	2 2	RES.PARAM. RES.PARAM.
3734 EANDC(J)-10 PAGE 22 (1968) M.HYAKUTAKE, M.SONODA, A.KATASE, Y.WAKUTA, H.TAWARA, M.CHIJIYA, H.HASUYAMA (KYUSHU U.) COCKCROFT-WALTON (D,T) NEUTRON SOURCE.	3-LI-6 3-LI-6 3-LI-7 3-LI-7	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	16 15 14 14	ELASTIC D(A) N,N' D(A) SCATTER D(A) N,N' D(A)
3735 EANDC(J)-10 PAGE 39 (1968) M.HATTORI, T.NAGAHARA, K.KITAO (RIKKYO U.) TRIGA REACTOR NEUTRON SOURCE.	47-AG-107	2.53-08 2.53-08	47	N,G SPECT.AV.
3736 EANDC(J)-13 PAGE 29 (1969) M.HYAKUTAKE, M.MATODA, H.TAWARA, Y.WAKUTA, A.KATASE, M.SONODA (KYUSHU U.)	5-B -10 5-B -10 5-B -11 5-B -11 5-B -11	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	13 51 16 45 15	N,N' D(A) N,N' D(A) ELASTIC D(A) N,N' D(A) N,N' D(A)
3737 EANDC(J)-13 PAGE 31 (1969) M.HYAKUTAKE, M.MATODA, H.TAWARA, Y.KANDA, A.KATASE, M.SONODA (KYUSHU U.) COCKCROFT-WALTON (D,T) NEUTRON SOURCE.	4-BE-9 4-BE-9	1.41+01 1.41+01 1.41+01 1.41+01	17 17	ELASTIC D(A) N,N' D(A)
3738 EANDC(J)-19 PAGE 37 (1970) K.KOBAYASHI, I.KIMURA (KYOTO U.) REACTOR FISSION SPECTRUM NEUTRON SOURCE.	90-TM-232	1.00+00 1.00+00	1	N,FISS
3739 EANDC(J)-22 PAGE 30 (1971) M.HYAKUTAKE, H.TAWARA, M.MATODA, M.SONODA, A.KATASE, Y.WAKUTA, S.NAKAMURA (KYUSHU U.) COCKCROFT-WALTON (D,T) NEUTRON SOURCE.	7-N -14 7-N -14 7-N -14	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	17 40 45	ELASTIC D(A) N,N' D(A) N,N' D(A)
3740 TECHNOLOGY REPORTS OF THE KYUSHU UNIVERSITY 39, 170 (1965) M.HYAKUTAKE (KYUSHU U.)	95-AM-241	2.50-08 2.50-08	1	N,FISS

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-499 ***

REF.NO.=3740

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3740

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3740 THE REPORT CITED ABOVE IS IN JAPANESE.
REACTOR THERMAL NEUTRON SOURCE.

3741 JAERI-1073 (1965) Y.KAWERASAKI (JAERI)
THIS REPORT IS IN JAPANESE. ELECTRON LINAC NEUTRON SOURCE.

47-AG-107	1.66-05	1.66-05	7 N,XG	D(E)
47-AG-109	5.20-06	5.20-06	8 N,XG	D(E)
48-CD-113	1.75-07	1.75-07	4 N,XG	D(E)
45-IN-113	1.47-05	1.47-05	8 N,XG	D(E)
49-IN-115	1.46-06	9.10-06	27 N,XG	D(E)
51-SB-121	6.25-05	1.56-05	11 N,XG	D(E)
51-SB-123	2.16-05	2.16-05	6 N,XG	D(E)
62-SM-147	3.40-06	3.40-06	6 N,XG	D(E)
62-SM-149	8.5-07	8.90-07	5 N,XG	D(E)
62-SM-149	9.60-08	9.60-08	4 N,XG	D(E)
62-SM-152	8.20-06	8.20-06	7 N,XG	D(E)
66-DY-162	5.50-06	5.50-06	5 N,XG	D(E)
66-DY-163	1.70-06	1.70-06	10 N,XG	D(E)
68-ER-NAT	4.60-07	5.80-07	8 N,XG	D(E)
69-TM-169	3.90-06	3.90-06	4 N,XG	D(E)
72-HF-177	1.10-06	1.10-06	4 N,XG	D(E)
72-HF-178	7.80-06	7.80-06	4 N,XG	D(E)
73-TA-181	4.80-06	4.80-06	4 N,XG	D(E)
78-PT-195	1.20-05	1.20-05	2 N,XG	D(E)
79-AU-197	4.90-06	4.90-06	4 N,XG	D(E)

3742 J. INORG. NUCLEAR CHEM. 30, 1 (1968) T.SHIOKAWA, M.YAGI,
H.KAJI, T.SASAKI (TOHOKU U.)
COCKCROFT-WALTON NEUTRON SOURCE.

9-F -19	1.35+01	1.48+01	5 N,2N
30-ZN-64	1.35+01	1.48+01	7 N,2N

3743 J. NUCLEAR ENERGY 27, 741 (1973) K.KOBAYASHI, I.KIMURA,
H.GOTOH, H.YAGI (KYOTO U.)
VAN DE GRAAFF NEUTRON SOURCE.

49-IN-115	3.27+00	4.89+00	10 N,N'	
49-IN-115	1.00+00	1.00+00	1 N,N'	SPECT.AV.

3744 J. PHYS. SOC. JAPAN 22, 368 (1961) S.KOBAYASHI, H.KAMITSUBO,
K.KATORI, A.UCHIDA, M.IHAIZUMI, K.NAGAMINE (ISSP,U.TOKYO)
CYCLOTRON NEUTRON SOURCE.

67-HO-165	8.31-01	1.09+00	6 TOTAL
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3745 J. PHYS. SOC. JAPAN 24, 17 (1968) Y.KANDA (TOKYO INST.TECH.)
COCKCROFT-WALTON (D,T) NEUTRON SOURCE.

51-SB-121	1.32+01	1.51+01	6 N,2N	
51-SB-121	1.32+01	1.51+01	6 N,2N	
51-SB-121	1.32+01	1.51+01	6 N,2N	
51-SB-121	1.32+01	1.51+01	10 N,2N	C/S RATIO

3746 J. PHYS. SOC. JAPAN 26, 576 (1968) K.MIYANO, H.MORINAGA
(U.TOKYO)
AMSTERDAM PROTON CYCLOTRON NEUTRON SOURCE.
EANDC(J)-10 PAGE 43 (1968)

61-PH-1480	2.53-08	2.53-08	1 N,G
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3747 PROC. PHYS. MATH. SOC. JAPAN 26, 65 (1944) I.NONAKA (JAPAN)
COCKCROFT-WALTON (D,D) NEUTRON SOURCE. ALSO SEE REF. 194.

12-MG-NAT	2.25+00	2.90+00	7 N,XG
27-CO-59	2.25+00	2.90+00	7 N,XG
83-BI-209	2.25+00	2.90+00	7 N,XG

3748 MEMOIRS FACULTY ENGINEERING 23, 81 (1961) A.KATASE
(KYUSHU U.)

90-TH-232	1.35+01	1.48+01	3 N,FISS
92-U -238	1.35+01	1.48+01	3 N,FISS

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-500 ***

REF.NO.=3748

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3748

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3748 COCKCROFT-WALTON (D,T) NEUTRON SOURCE.

3749 KURRI-TR-6 PAGE 1 (1973) K.KOBAYASHI, I.KIMURA, H.GOTOH,
H.YAGI (KYOTO U.)
JAERI VAN DE GRAFF (D,D) NEUTRON SOURCE.
EANDC(J)-26 PAGE 39 (1972)

93-NP-237 3.50+00 4.90+00 7 N,FISS
93-NP-237 1.00+00 1.00+00 2 N,FISS SPECT.AV.

3750 NUCLEAR INSTRUMENTS AND METH 109, 493 (1973)
H.ISHIKAWA (JAERI)
REACTOR THERMAL NEUTRON SOURCE.

1-H -2 2.53-08 2.53-08 1 N,G SPECT.AV.
15-P -31 2.53-08 2.53-08 1 N,G SPECT.AV.
16-S -34 2.53-08 2.53-08 1 N,G SPECT.AV.
20-CA-44 2.53-08 2.53-08 1 N,G SPECT.AV.
28-NI-62 2.53-08 2.53-08 1 N,G SPECT.AV.

3751 EANDC(J)-22 PAGE 22 (1971) K.NISHIMURA, Y.YAMANOCHI,
S.KIKUCHI, T.NAKAGAWA (JAERI)
VAN DE GRAFF NEUTRON SOURCE.
EANDC(J)-10 PAGE 7 (1968)
EANDC(J)-B PAGE 10 (1968)

6-C -NAT 1.08-02 2.46-01 24 TOTAL
57-LA-NAT 1.51-02 2.37-01 84 TOTAL
59-PR-141 1.24-02 2.39-01 47 TOTAL

3752 NUCLEAR PHYS. 160 161 (1971) E.ARAI (TOKYO INST.TECH.)
EANDC(J)-13 PAGE 38 (1969)
EANDC(J)-19 PAGE 66 (1970)

1-H -2 1.45+01 1.45+01 677 N,2N D(E,A)

3753 NUCLEAR PHYS. 171, 480 (1971) S.KIKUCHI (JAERI)
VAN DE GRAFF NEUTRON SOURCE.
J. PHYS. SOC. JAPAN 28, 1089 (1970)

55-CS-133 5.67-01 9.67-01 187 N,N'
55-CS-133 5.49-01 9.67-01 306 N,N' D(A)
55-CS-133 8.30-01 1.16+00 149 N,N' D(A)
55-CS-133 1.16+00 1.16+00 20 N,X6 D(E)

3754 NUCLEAR PHYS. 204, 129 (1973) M.MATODA, M.HYAKUTAKE,
H.TAWARA, K.TSUJI, H.HASUYAMA, S.MATSUKI, A.KATASE,
M.SONODA (KYUSHU U.)
COCKCROFT-WALTON (D,T) NEUTRON SOURCE.
EANDC(J)-19 PAGE 50 (1970)

83-BI-209 1.41+01 1.41+01 25 ELASTIC D(A)
83-BI-209 1.41+01 1.41+01 37 N,N' D(A)

3755 J. NUCLEAR SCIENCE AND TECHNOLOGY 4, 43 (1967) T.YASUNO
(JAERI)
REACTOR NEUTRON SOURCE.

94-PU-239 5.00-07 1.50+01 1 N,FISS RES.INT.

3756 J. NUCLEAR SCIENCE AND TECHNOLOGY 5, 649 (1963) H.IIZUMI,
S.AYAO (JAERI)
REACTOR NEUTRON CHOPPER SOURCE.

6-C -NAT 8.30-10 1.17-07 163 TOTAL

3757 J. NUCLEAR SCIENCE AND TECHNOLOGY 6, 485 (1969) I.KIMURA,
K.KOBAYASHI, T.SHIBATA (KYOTO U.)
VAN DE GRAFF NEUTRON SOURCE.

45 RH-103 1.80-01 4.60+00 14 N,N'
49-IN-115 5.00-01 4.60+00 8 N,N'

3758 J. NUCLEAR SCIENCE AND TECHNOLOGY 6, 587 (1969) H.ISHIKAWA
(JAERI)
REACTOR THERMAL COLUMN NEUTRON SOURCE.

44-RU-102 2.53-08 2.53-08 1 N,G

3759 J. NUCLEAR SCIENCE AND TECHNOLOGY 7, 126 (1970) T.NANJO
(KYOTO U.)

25-MN-55 6.30-07 1.50+01 3 N,G RES.INT.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-501 ***

REF.NO.=3759

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3759 THE DATA INCLUDE THE TOTAL RESONANCE INTEGRAL PLUS ITS
DIVISION INTO 1/V (SMALLER) AND NON-1/V (LARGER) COMPONENTS.

3760 J. NUCLEAR SCIENCE AND TECHNOLOGY 7, 534 (1970) H.ISHIKAWA
(JAERI)
COCKCROFT-WALTON (D,T) NEUTRON SOURCE.

7-N -14 1.47+01 1.47+01 1 N,2N

3761 J. NUCLEAR SCIENCE AND TECHNOLOGY 7, 7 (1970) Y.NAKAJIMA,
M.OHKUBO, A.ASAMI, T.FUKETA (JAERI)
LINAC NEUTRON SOURCE. ALSO SEE REF. 1852, WHICH IS EARLIER
DATA BY THE SAME GROUP.

27-CO-59 1.32-04 1.32-04 4 RES.PARAM.

3762 J. NUCLEAR SCIENCE AND TECHNOLOGY 8, 59 (1971) I.KIMURA,
K.KOBAYASHI, T.SHIBATA (KYOTO U.)
FISSION NEUTRON SOURCE.

14-S1-28 1.00+00 1.00+00 1 N,P SPECT.AV.
14-S1-29 1.00+00 1.00+00 1 N,P SPECT.AV.
14-S1-30 1.00+00 1.00+00 1 N,A SPECT.AV.
22-T1-46 1.00+00 1.00+00 2 N,P SPECT.AV.
22-T1-47 1.00+00 1.00+00 2 N,P SPECT.AV.
22-T1-48 1.00+00 1.00+00 2 N,P SPECT.AV.
23-V -51 1.00+00 1.00+00 1 N,A SPECT.AV.
30-ZN-64 1.00+00 1.00+00 2 N,P SPECT.AV.
41-NB-93 1.00+00 1.00+00 2 N,FISS SPECT.AV.
42-MO-92 1.00+00 1.00+00 2 N,P SPECT.AV.
82-PB-204 1.00+00 1.00+00 1 N,N' SPECT.AV.
82-PB-204 1.00+00 1.00+00 1 N,FISS SPECT.AV.

3763 JAERI-MEMO-4301 (1971) K.OKAMOTO, S.OHTOMO, Y.OHNO (JAERI)
CRYSTAL SPECTROMETER NEUTRON SOURCE.

72-HF-174 2.53-08 2.53-08 1 TOTAL
72-HF-176 2.53-08 2.53-08 1 TOTAL
72-HF-177 2.53-08 2.53-08 1 TOTAL
72-HF-178 2.53-08 2.53-08 1 TOTAL
72-HF-179 2.53-08 2.53-08 1 TOTAL
72-HF-180 2.53-08 2.53-08 1 TOTAL

3764 PHYS. REV. 80, 750 (1950) J.SANADA, S.YAMABE (OSAKA U.)
COCKCROFT-WALTON (D,D) NEUTRON SOURCE.

1-H -2 3.10+00 3.10+00 2 ELASTIC D(A)

3765 RADIOCHIMICA ACTA 16, 71 (1971) J.SATO, N.SAITO, Y.YOKOYAMA
(TOKYO U.)
(D,T) NEUTRON SOURCE.

30-ZN-68 1.36+01 1.48+01 3 N,A
35-BR-79 1.36+01 1.48+01 3 N,A
35-BR-81 1.36+01 1.48+01 3 N,A

3766 NUCLEAR STRUCTURE STUDY WITH NEUTRONS.BUDAPEST, P. 148 (1972)
S.TANAKA, Y.TOMITA, Y.YAMANOUTI, K.IDENO (JAERI)
VAN DE GRAAFF NEUTRON SOURCE.
EANDC(J)-22 PAGE 10 (1971)

50-SN-120 1.52+00 3.60+00 65 ELASTIC D(A)
50-SN-120 2.05+00 3.60+00 104 N,N' D(A)
64-GD-NAT 1.52+00 3.60+00 65 ELASTIC D(A)
64-GD-NAT 1.52+00 3.60+00 107 N,N' D(A)

3767 EANDC(J)-10 PAGE 1 (1968) Y.OHNO, T.ASAMI, K.OKAMOTO,
K.IDENO, S.OHTOMO (JAERI)
CRYSTAL SPECTROMETER NEUTRON SOURCE.

62-SM-149 2.53-08 2.53-08 1 TOTAL
63-FU-151 2.53-08 2.53-08 1 TOTAL
64-GD-157 2.53-08 2.53-08 1 TOTAL
64-GD-157 2.53-08 2.53-08 1 TOTAL
66-DY-164 2.53-08 2.53-08 1 TOTAL

3768 J. PHYS. SOC. JAPAN 25, 964 (1968) K.IWATANI, I.FUJITA,
M.SONODA, A.KATASE, Y.WAKUTA (KYUSHU U.)

30-ZN-64 1.41+01 1.41+01 1 N,N'P
30-ZN-64 1.41+01 1.41+01 60 N,P D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3768

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3768 COCKCROFT-WALTON (D,T) NEUTRON SOURCE. THE E-MIN AND E-MAX LIMITS IN THE (N,P) ANGULAR DISTRIBUTIONS ARE FOR THE DETECTED FINAL-STATE PROTONS.	30-ZN-66 30-ZN-66	1.41+01 1.41+01 1.41+01 1.41+01	1 N,N' 30 N,P	D(A)
3769 J. PHYS. SOC. JAPAN 26, 225 (1969) T.ASAMI, K.OKAMOTO, K.IDENO, Y.OHNO (JAERI) CRYSTAL SPECTROMETER NEUTRON SOURCE.	62-SM-149 62-SM-149	2.53-08 2.53-08 9.89-08 9.88-02	1 TOTAL 4 RES.PARAM.	
3770 NUCLEAR PHYS. 120, 387 (1968) S.SHIRATO, N.KOORI (RIKKYO U.) COCKCROFT-WALTON (D,T) NEUTRON SOURCE. EANDC(J)-B PAGE 68 (1968)	1-H -2 1-H -2 1-H -2 1-H -2	1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01 1.41+01	1 ELASTIC 1 N,2N 22 ELASTIC 11 N,2N	D(A) D(A)
3771 NUCLEAR PHYS. 141, 193 (1970) K.OKAMOTO (JAERI) VELOCITY-SELECTED THERMAL NEUTRON SOURCE.	60-ND-143 60-ND-145 62-SM-147 62-SM-149	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 N,A 2 N,A 2 N,A 3 N,A	
3772 NUCLEAR PHYS. 149, 513 (1970) H.KITAZAWA (TOKYO INST.TECH.) COCKCROFT-WALTON (D,T) NEUTRON SOURCE.	59-PR-141	1.51+01 1.51+01	6 N,A	D(A)
3773 NUCLEAR PHYS. 179, 513 (1972) S.TANAKA, Y.TOMITA, K.IDENO, S.KIKUCHI (JAERI) VAN DE GRAAFF (P,T) NEUTRON SOURCE.	57-LA-NAT 57-LA-139 57-LA-139 59-PR-141 59-PR-141 59-PR-141 68-ER-NAT 68-ER-NAT 83-B1-209 83-B1-209 83-B1-209	1.50+00 3.57+00 1.50+00 3.57+00 2.03+00 3.57+00 1.50+00 3.57+00 1.50+00 3.57+00 2.03+00 3.57+00 1.45+00 1.45+00 2.02+00 3.55+00 1.45+00 3.55+00 1.45+00 3.55+00 3.06+00 3.55+00	64 ELASTIC 33 N,N' 95 N,N' 65 ELASTIC 128 N,N' 51 N,N' 13 ELASTIC 52 SCATTER 65 ELASTIC 117 N,N' 26 N,N'	D(A) D(A) D(A) D(A) D(A) D(A) D(A) D(A) D(A) D(A)
3774 NUCLEAR PHYS. 185, 177 (1972) Y.KANDA (KYUSHU U.) COCKCROFT-WALTON (D,T) NEUTRON SOURCE. EANDC(J)-22 PAGE 32 (1971)	40-ZR-90 40-ZR-90 40-ZR-90 40-ZR-90 42-MO-92 42-MO-92 42-MO-92 42-MO-92 42-MO-92 42-MO-92 42-MO-92 42-MO-92 42-MO-92 42-MO-92 42-MO-92	1.34+01 1.48+01 1.34+01 1.48+01 1.34+01 1.48+01 1.34+01 1.48+01 1.34+01 1.49+01 1.34+01 1.49+01 1.34+01 1.49+01 1.34+01 1.49+01 1.34+01 1.49+01 1.34+01 1.49+01 1.34+01 1.49+01 1.34+01 1.49+01 1.34+01 1.49+01 1.34+01 1.49+01	8 N,2N 6 N,2N 6 N,2N 13 N,2N 21 N,2N 19 N,2N 21 N,2N 10 N,P 10 N,A 20 N,A 10 N,A 20 N,A 20 N,2N 10 N,A	C/S RATIO C/S RATIO C/S RATIO
3775 JAERI-MEMO-5418 (1973) Y.TOMITA, S.TANAKA, M.MARUYAMA (JAERI) VAN DE GRAAFF TIME OF FLIGHT NEUTRON SOURCE. EANDC(J)-30 PAGE 6 (1973)	82-PB-207 82-PB-207 82-PB-207	1.37+00 3.56+00 1.37+00 3.56+00 3.56+00 3.56+00	148 ELASTIC 421 N,N' 13 N,N'	D(A) D(A) D(A)
3776 NUCLEAR DATA FOR REACTORS. HELSINKI, 2, 305 (1970) S.TANAKA.	29-CU-NAT	1.71+00 2.24+00	26 ELASTIC	D(A)
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

*** 3-503 ***

REF.NO.=3776

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF NO. ORDERED)

REF.NO.=3776

REF BIBLIOGRAPHY

- 3776 K.TSUKADA, M.MARUYAMA, Y.TOMITA, Y.YAMANOUTI (JAERI)
VAN DE GRAAFF (D.D) TIME OF FLIGHT NEUTRON SOURCE.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
29-CU-NAT	2.24+00 2.24+00	13 N,N'	D(A)
29-CU-63	2.24+00 2.24+00	13 N,N'	D(A)
29-CU-65	2.24+00 2.24+00	13 N,N'	D(A)
30-ZN-NAT	1.71+00 2.24+00	26 ELASTIC	D(A)

- 3777 NUCLEAR DATA FOR REACTORS. HELSINKI, 2, 317 (1969) S.TANAKA,
K.TSUKADA, M.MARUYAMA, Y.TOMITA (JAERI)
VAN DE GRAAFF NEUTRON SOURCE.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
13-AL-27	4.81+00 8.03+00	52 ELASTIC	D(A)
13-AL-27	4.81+00 8.03+00	258 N,N'	D(A)
13-AL-27	5.96+00 8.03+00	49 N,N'	D(A)
14-SI-NAT	4.81+00 8.03+00	52 ELASTIC	D(A)
14-SI-28	4.81+00 8.03+00	130 N,N'	D(A)
14-SI-28	8.03+00 8.03+00	13 N,N'	D(A)
16-S -NAT	4.4+00 7.99+00	52 ELASTIC	D(A)
16-S -32	4.48+00 7.99+00	155 N,N'	D(A)
16-S -32	6.97+00 7.99+00	39 N,N'	D(A)
30-ZN-NAT	4.48+00 7.99+00	52 ELASTIC	D(A)

- 3778 FEW PARTICLE PROBLEMS NUCL. INTERACTION. L.A., P. 472 (1972)
S.SHIRATO, N.KODRI (RIKKYO U.)
THE DATA FROM NUCLEAR PHYS. 120, 387 (1968) ARE REVISED.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1-H -2	1.41+01 1.41+01	1 ELASTIC	
1-H -2	1.41+01 1.41+01	10 ELASTIC	D(A)

- 3779 CNEN-RT/FI-55 (1970) C.COCEVA, F.CORVI, P.GIACOBBE,
M.STEFANON (GEEL)
LINAC NEUTRON SOURCE. ALSO SEE REF. 3039.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
72-HF-177	1.00-06 3.00-04	2 AV.RES.PARAM.	
72-HF-77	1.10-06 2.93-04	97 RES.PARAM.	
72-HF-179	1.00-06 2.00-04	2 AV.RES.PARAM.	
72-HF-179	1.68-06 1.97-04	44 RES.PARAM.	

- 3780 NUCLEAR PHYS. 194, 657 (1972) C.WAGEMANS, A.J.DERUYTTER
(GEEL)
ELECTRON LINAC NEUTRON SOURCE.
PHYS. REV. C, 33, 19 (1972)
EANDC(E)-123 (1970)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
92-U -235	6.39-06 3.20-05	12 RES.PARAM.	

- 3781 NUCLEAR PHYS. 203, 145 (1973) F.CORVI, M.STEFANON, C.COCEVA,
P.GIACOBBE (GEEL)
ELECTRON LINAC NEUTRON SOURCE.
PHYS. REV. C, 33, 20 (1972)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
92-U -235	2.90-07 5.64-05	2 AV.RES.PARAM.	
92-U -235	2.04-06 4.19-05	14 RES.PARAM.	

- 3782 NUCLEAR PHYS. 207, 342 (1973) F.POORTMANS, G.ROHR,
J.P.THEOBALD, H.WEICHMANN, G.J.VANPRAET (GEEL)
ELECTRON LINAC NEUTRON SOURCE.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
94-PU-242	2.68-06 1.00-03	4 AV.RES.PARAM.	
94-PU-242	2.68-06 1.28-03	97 RES.PARAM.	

- 3783 NUCLEAR PHYS. 212, 556 (1973) C.WAGEMANS, A.J.DERUYTTER
(GEEL)
ELECTRON LINAC NEUTRON SOURCE.
EANDC(E)-150 PAGE 70 (1973)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
94-PU-239	2.96-07 5.01-05	12 RES.PARAM.	

- 3784 NUCLEAR SCIENCE AND ENGINEERING 50, 108 (1973) M.M.ISLAM,
H-H.KNITTER (GEEL)
VAN DE GRAAFF NEUTRON SOURCE.
ALSO SEE Z.PHYSIK 257, 108 (1972)

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
92-U -235	4.00-01 4.00-01	91 N.FISS	D(E)
92-U -235	4.00-01 4.00-01	1	NUCLEAR TEMP.

- 3785 NUKLEONIK 10, 91 (1967) A.PAULSEN, H.LISKIEN (GEEL)
ALSO SEE REFERENCES 893 AND 1714.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
28-NI-60	5.76+00 1.95+01	40 N,P	
28-NI-60	1.00+00 1.00+00	1 N,P	SPECT.AV.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-504 ***

REF.NO.=3785

07/04/76

ECSIL-7500 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3785

REF BIBLIOGRAPHY

3785

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
29-CU-63	5.76+00 1.95+01	40	N,A
29-CU-63	1.00+00 1.00+00	1	N,A SPECT.AV.

3786 Z.PHYSIK 205, 226 (1967) A.PAULSEN (GEEL)
VAN DE GRAAFF NEUTRON SOURCE.

27-CO-59	1.79+00 1.40+01	4	N,G
27-CO-59	1.78+00 1.40+01	4	N,G
28-NI-60	8.19+00 1.40+01	2	N,P
28-NI-60	8.19+00 1.40+01	2	N,P
28-CU-63	8.19+00 1.47+01	2	N,A
29-CU-63	8.19+00 8.19+00	1	N,A

3787 Z.PHYSIK 238, 23 (1970) A.PAULSEN, R.WIDERA (GEEL)
VAN DE GRAAFF NEUTRON SOURCE.

41-NB-93	1.68+01 1.68+01	1	N,2N
41-NB-93	1.00+01 1.95+01	32	N,2N
45-RH-103	1.06+01 1.95+01	26	N,2N
45-RH-103	1.06+01 1.95+01	26	N,2N
45-RH-103	1.06+01 1.95+01	26	N,2N
45-RH-103	1.80+01 1.95+01	0	N,3N

3788 Z. PHYSIK 257, 108 (1972) H-H.KNITTER, M.M.ISLAM,
M.COPPOLA (GEEL)
VAN DE GRAAFF NEUTRON SOURCE.

92-U -235	1.50+00 2.30+00	3	TOTAL
92-U -235	1.50+00 2.30+00	3	ELASTIC
92-U -235	1.50+00 2.30+00	3	N,N'
92-U -235	1.30+00 2.30+00	18	N,N'
92-U -235	1.50+00 2.30+00	15	N,N'
92-U -235	1.50+00 2.30+00	3	N,FISS
92-U -235	1.50+00 5.50+00	137	ELASTIC D(A)
92-U -235	1.50+00 1.50+00	56	N,FISS D(E)

3789 CHEMICAL NUCL. DATA MEAS. APPL. CANTERBURY, 16 (1971)
A.PAULSEN, R.WIDERA (GEEL)
VAN DE GRAAFF NEUTRON SOURCE.

26-FE-54	1.71+00 1.64+01	14	N,P
28-NI-58	9.90+01 1.64+01	39	N,P

3790 NUCLEAR PHYS.W/THERM.RESON.-ENERGY NEUT. PETTEN, 73E1 (1973)
L.MEYER, F.POORTMANS, G.ROHR, J.P.THEOBALD, G.J.VANPRAET,
H.WEIGHMANN, R.HERZ (GEEL)
ELECTRON LINAC NEUTRON SOURCE.

92-U -236	0.	1.69+03	4	AV.RES.PARAM.
92-U -236	3.41+05	1.81+03	261	RES.PARAM.

3791 AERE-R-7075 (1972) P.J.CLEMENTS, I.C.RICKARD (HARWELL)
VAN DE GRAAFF NEUTRON SOURCE.

3-LI-6	1.56+01 3.90+00	68	N,T
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3792 ATOMKERNENERGIE 22, 84 (1973) H-H.KNITTER, A.PAULSEN,
H.LISKIEN, M.M.ISLAM (GEEL)
SPONTANEOUS FISSION NEUTRON SOURCE.

98-CF-252	0.	0.	183	N,FISS D(E)
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3793 AERE-O-03/71 (1971) R.E.COLES (ALDERMASTON)
VAN DE GRAAFF NEUTRON SOURCE.

11-NA-23	5.00+00 5.00+00	1	ELASTIC
11-NA-23	5.00+00 5.00+00	1	N,N'
11-NA-23	5.00+00 5.00+00	7	N,N'
11-NA-23	5.00+00 5.00+00	10	ELASTIC D(A)

3794 AERE-O-45/70 (1970) D.PORTER, R.E.COLES, K.WYLD (ALDERMASTON)
VAN DE GRAAFF NEUTRON SOURCE.

5-B -10	2.03+00 4.82+00	7	TOTAL
5-B -10	2.03+00 4.82+00	7	ELASTIC
5-B -10	2.03+00 4.82+00	7	NONELAS
5-B -10	2.03+00 4.82+00	18	N,N'
5-B -10	2.03+00 4.82+00	70	ELASTIC D(A)

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-505 ***

REF.NO.=3794

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3794

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3794	5-B -10	2.03+00 4.82+00	148 N,N'	D(A)
	5-B -11	2.03+00 4.82+00	7 TOTAL	
	5-B -11	2.03+00 4.82+00	7 ELASTIC	
	5-B -11	2.03+00 4.82+00	7 NONELAS	
	5-B -11	3.17+00 4.82+00	5 N,N'	
	5-B -11	2.03+00 4.82+00	70 ELASTIC	D(A)
	5-B -11	3.17+00 4.82+00	50 N,N'	D(A)
3795 PRIVATE COMMUNICATION (1971) J.CABE, A.ADM, M.CANCE, M.LABAT, M.LAURAT, M.LONGUEVE (CEN, BRUYERES LE CHATEL) VAN DE GRAAFF NEUTRON SOURCE.	4-BE-9	1.22-01 1.20+00	275 TOTAL	
3796 PRIVATE COMMUNICATION (1973) M.CANCE, J.CABE, M.LABAT (CEN, BRUYERES LE CHATEL) PULSED TANDEM NEUTRON SOURCE. SEE PROJECT DAM/R/PR, NO 4/DS/CEB-3 (INTERNAL REPORT)	5-B -11	1.15+00 7.34+00	501 TOTAL	
	23-V -NAT	1.15+00 6.09+00	388 TOTAL	
3797 DO-0071 (1973) M.CANCE, J.CABE, F.BRISARD (BRUYERES LE CHATEL) VAN DE GRAAFF NEUTRON SOURCE, ALSO SEE REF. 971 AND 3796.	5-B -11	8.03-02 1.19+00	436 TOTAL	
	13-AL-27	3.00-02 1.19+00	517 TOTAL	
	16-S -NAT	3.00-02 1.19+00	454 TOTAL	
	23-V -NAT	7.20-02 1.19+00	571 TOTAL	
3798 DO-0071 71-09 (1973) M.CANCE, J.CABE, M.BEAUFORT, M.LABAT (BRUYERES LE CHATEL) PULSED TANDEM NEUTRON SOURCE.	28-N1-NAT	1.10+00 6.19+00	132 TOTAL	
3799 EANDC(E)-150 PAGE 80 (1972) J.CABE, B.DUCHEMIN, A.ADM (BRUYERES LE CHATEL) VAN DE GRAAFF NEUTRON SOURCE.	23-V -51	5.50-01 1.18+00	13 ELASTIC	
	23-V -51	9.25-01 1.18+00	6 N,N'	
	23-V -51	5.50-01 1.18+00	130 ELASTIC	D(A)
	23-V -51	9.25-01 1.18+00	48 N,N'	D(A)
3800 PRIVATE COMMUNICATION (1974) S.CIFRACKS, P.BROTZ, D.GROESCHEL, I.SCHOUKY, C.M.NEWSIEAD, G.SCHMALZ, R.TOEPEKE, F.VOSS (KARLSRUHE) CYCLOTRON NEUTRON SOURCE.	92-U -238	1.32+00 3.04+01	147 N.FISS	C/S RATIO
3801 EANDC(UK)-151 PAGE 10 (1973) M.S.COATES, G.J.HUNT, C.A.UTTLEY (HARWELL) ELECTRON LINAC NEUTRON SOURCE.	3-L1-6	1.03-03 3.27-01	159 N.T	
3802 PRIVATE COMMUNICATION (1974) A.J.DERUYTER, C.HAGEMANS (GECL) ELECTRON LINAC NEUTRON SOURCE.	92-U -233	1.82-08 3.00-05	1759 TOTAL	
3803 EANDC(E)-148 (1972) E.FORT, J.P.MARQUETTE (CADARACHE) VAN DE GRAAFF PULSED NEUTRON SOURCE.	3-L1-6	1.40-02 1.70+00	117 N.T	
3805 CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., P/GB7 (1975) M.S.COATES, D.B.GAYTHER, N.J.PATTENDEN (HARWELL) SYNCHROCYCLOTRON NEUTRON SOURCE.	92-U -238	6.43-01 2.18+01	224 N.FISS	C/S RATIO
3806 CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., P/GB26 (1975)	95-AM-241	7.84-07 1.07-03	13840 TOTAL	
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

*** 3-506 ***

REF.NO.=3806

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3806

REF BIBLIOGRAPHY

3806 H.DERRIEN, B.LUCAS (ISACLAY)
ELECTRON LINAC NEUTRON SOURCE. THE FISSION DATA ARE
PRELIMINARY.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
95-AM-241	9.99-07 4.00-05	1802	N.FISS
95-AM-241	0. 5.00-05	5	AV.RES.PARAM.
95-AM-241	1.27-06 1.49-04	303	RES.PARAM.

3807 PROC. CONF. ON NEUTRON PHYS. KIEV. (1975)
J.FREHAUT, G.MOSINSKI (BRUYERES LE CHATEL)
SEE ALSO
KIYAI-75-24 (1975)
FOR TITLES OF PAPERS AND INIS KEY WORDS (IN ENGLISH)
TANDEM VAN DE GRAAFF NEUTRON SOURCE.

21-SC-45	1.23+01 1.47+01	6	N,2N
26-FE-56	1.18+01 1.47+01	7	N,2N
27-CO-55	1.09+01 1.47+01	9	N,2N
28-NI-NAT	1.09+01 1.47+01	9	N,2N
31-GA-NAT	9.93+00 1.47+01	11	N,2N
34-SE-76	1.18+01 1.47+01	7	N,2N
34-SE-78	1.09+01 1.47+01	9	N,2N
34-SE-80	1.18+01 1.47+01	10	N,2N
34-SE-82	9.93+00 1.47+01	11	N,2N
39-Y -89	1.18+01 1.47+01	7	N,2N
41-NB-93	9.44+00 1.47+01	12	N,2N
46-RH-103	9.93+00 1.47+01	11	N,2N
69-TM-169	8.44+00 1.47+01	14	N,2N
71-LU-175	8.44+00 1.47+01	14	N,2N
73-TA-181	8.44+00 1.47+01	14	N,2N
74-W -NAT	7.93+00 1.47+01	15	N,2N
78-PT-NAT	7.93+00 1.47+01	15	N,2N
79-AU-197	8.44+00 1.47+01	14	N,2N
83-BI-209	7.93+00 1.47+01	15	N,2N
92-U -238	7.93+00 1.47+01	15	N,2N
92-U -238	1.23+01 1.47+01	6	N,3N

3808 NUCLEAR PHYS. 44, 597 (1963) R.K.MOHINDRA, H.S.HANS (INDIA)
(D,T) NEUTRON SOURCE.

13-AL-27	1.48+01 1.48+01	12	N,P	D(E,A)
27-CO-59	1.48+01 1.48+01	15	N,P	D(E,A)

3809 NUCLEAR DATA FOR REACTORS. HELSINKI, 2, 571 (1970)
M.NAJZER, J.RANT, H.SOLING (LJUBLJANA)
FISSION SPECTRUM NEUTRON SOURCE.

9-F -19	1.00+00 1.00+00	1	N,2N	SPECT.AV.
12-MG-24	1.00+00 1.00+00	1	N,P	SPECT.AV.
13-AL-27	1.00+00 1.00+00	1	N,P	SPECT.AV.
26-FE-56	1.00+00 1.00+00	1	N,P	SPECT.AV.
30-ZN-64	1.00+00 1.00+00	1	N,P	SPECT.AV.
49-IN-115	1.00+00 1.00+00	1	N,N'	SPECT.AV.

3810 NIJS-R-470 (1965) F.CVELBAR, A.HUDOKLIN-BOZIC,
M.V.MIHAILOVIC, M.NAJZER, V.RANSK, M.POTOKAR, M.PETRISIC,
(LJUBLJANA)
(D,T) NEUTRON SOURCE. ALSO SEE REFS. 2220, 2232 AND 3017.

13-AL-27	1.41+01 1.41+01	1	N,G	
13-AL-27	1.41+01 1.41+01	24	N,XG	D(E)
16-S -NAT	1.41+01 1.41+01	1	N,G	
16-S -NAT	1.41+01 1.41+01	25	N,XG	D(E)
23-V -NAT	1.41+01 1.41+01	1	N,G	
23-V -NAT	1.41+01 1.41+01	26	N,XG	D(E)
24-CR-NAT	1.41+01 1.41+01	1	N,G	
24-CR-NAT	1.41+01 1.41+01	24	N,XG	D(E)
25-MN-55	1.41+01 1.41+01	1	N,G	
25-MN-55	1.41+01 1.41+01	24	N,XG	D(E)
26-FE-NAT	1.41+01 1.41+01	1	N,G	
26-FE-NAT	1.41+01 1.41+01	26	N,XG	D(E)

3811 INR-1197 PAGE 10 (1970) W.GRUCHULSKI, J.KAROLYI,
A.MARCINKOWSKI, J.PIOTROWSKI, E.SAAD, K.SIWEK, Z.WILHELM
(POLAND)

49-IN-115	1.29+01 1.78+01	11	N,2N
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REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-507 ***

REF.NO.=3811

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3811

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3811 VAN DE GRAFF (D,T) NEUTRON SOURCE.

3812 KFKI-71/63 (1971) L.JEKI, GY.KLUGE, A.LAJTAI, P.P.DYACHENKO,
B.D.KUZ'NINOV (HUNGARY)
SPONTANEOUS FISSION NEUTRON SOURCE.
PROMPT FISSION NEUTRON SPECTRA. VIENNA, 81 (1971)

98-CF-252 0. 0. 88 N,FISS DIE)

3813 NUCLEAR PHYS. 204, 121 (1973) P.DECOWSKI, W.GROCHULSKI,
J.KAROLYI, A.MARCINKOWSKI, J.PIOTROWSKI, E.SAAD, K.SIWEK,
Z.WILHELM (WARSAW)
(D,T) NEUTRON SOURCE.
ACTA PHYSICA POLONICA B, 1, 271 (1970)

49-IN-113 1.29+01 1.78+01 11 N,2N

3814 NUCLEAR PHYS. 204, 121 (1973) P.DECOWSKI, W.GROCHULSKI,
A.MARCINKOWSKI, J.KAROLYI, J.PIOTROWSKI, E.SAAD,
K.SIWEK-WILCZYNSKA, I.TURKIEWICZ, Z.WILHELM (POLAND)
VAN DE GRAFF (D,T) NEUTRON SOURCE.
ALSO SEE REF. 3813.

49-IN-113 1.29+01 1.78+01 10 N,N'
82-PB-204 1.28+01 1.78+01 9 N,N'
82-PB-204 1.29+01 1.78+01 9 N,2N

3815 ACTA PHYSICA ACAD. SCI. HUNGARICAE 30, 115 (1971) I.ANGELI,
J.CSIKAI, J.L.NAGY, T.SCHARBERT, T.SZTARICSKAI, D.NOVACK
(DEBRECEN)
(D,T) NEUTRON SOURCE.

7-N -NAT 1.47+01 1.47+01 1 TOTAL
8-D -NAT 1.47+01 1.47+01 1 TOTAL
18-AR-NAT 1.47+01 1.47+01 1 TOTAL
20-CA-NAT 1.47+01 1.47+01 1 TOTAL
27-CO-59 1.47+01 1.47+01 1 TOTAL
28-NI -NAT 1.47+01 1.47+01 1 TOTAL
29-CU-NAT 1.47+01 1.47+01 1 TOTAL
30-ZN-NAT 1.47+01 1.47+01 1 TOTAL
31-GA-NAT 1.47+01 1.47+01 1 TOTAL
32-GE-NAT 1.47+01 1.47+01 1 TOTAL
53-I -127 1.47+01 1.47+01 1 TOTAL
55-CS -133 1.47+01 1.47+01 1 TOTAL
58-CE-NAT 1.47+01 1.47+01 1 TOTAL
82-PB-NAT 1.47+01 1.47+01 1 TOTAL
83-BI-209 1.47+01 1.47+01 1 TOTAL

3816 INDC(SEC)-10 PAGE 193 (1971) M.DIKSIC, P.STROHAL, I.SLAUS
(YUGOSLAVIA)
(D,T) NEUTRON SOURCE.
J. INORG. NUCLEAR CHEM. 36, 477 (1974)

15-P -31 1.40+01 1.40+01 1 N,HE3
19-K -41 1.40+01 1.40+01 1 N,HE3
25-MN-55 1.40+01 1.40+01 1 N,HE3
27-CO-59 1.40+01 1.40+01 1 N,HE3
29-CU-63 1.40+01 1.40+01 1 N,HE3
31-GA-71 1.40+01 1.40+01 1 N,HE3
33-AS-75 1.40+01 1.40+01 1 N,HE3
40-ZR-95 1.40+01 1.40+01 1 N,HE3
41-NB-93 1.40+01 1.40+01 1 N,HE3
45-RH-103 1.40+01 1.40+01 1 N,HE3
47-AG-109 1.40+01 1.40+01 1 N,HE3
49-IN-115 1.40+01 1.40+01 1 N,HE3
52-TE-130 1.40+01 1.40+01 1 N,HE3
75-RE-187 1.40+01 1.40+01 1 N,HE3

3817 CZECH. J. PHYS., B, 22, 9 (1972) J.BISCUPF, Z.DLOUHY,
J.KVITEK, YU.P.POPOV (PRAGUE)

62-SM-149 2.53-08 2.53-08 1 N,A
62-SM-149 2.53-08 2.53-08 9 N,A SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-508 ***

REF.NO.=3817

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3817

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3817 REACTOR NEUTRON SOURCE. THE NEUTRON TEMPERATURE AND THE ALPHA-DECAY TRANSITION ENERGIES ARE GIVEN TOGETHER WITH THE CROSS SECTIONS AND ERRORS

3818 INR-1318 PAGE B (1971) P.DECOWSKI, S.CL-KONSOL, W.GROCHULSKI, A.MARCINKOWSKI, J.PIOTROWSKI, I.TURKIEWICZ, Z.WILHELM (POLAND)
VAN DE GRAAFF (D,T) NEUTRON SOURCE.
ACTA PHYSICA POLONICA B, 6, 139 (1975)

31-GA-71	1.30+01	1.78+01	10 N,2N
31-GA-71	1.30+01	1.78+01	10 N,P
33-AS-75	1.30+01	1.78+01	9 N,2N
33-AS-75	1.30+01	1.65+01	8 N,P
33-AS-75	1.30+01	1.78+01	10 N,P
34-SE-80	1.30+01	1.78+01	10 N,2N
34-SE-80	1.33+01	1.77+01	8 N,N'
34-SE-82	1.30+01	1.78+01	10 N,2N
34-SE-82	1.30+01	1.78+01	10 N,2N
50-SN-117	1.30+01	1.59+01	7 N,N'
50-SN-117	1.30+01	1.73+01	9 N,N'
50-SN-117	1.30+01	1.65+01	6 N,P
50-SN-118	1.30+01	1.73+01	9 N,2N

C/S RATIO

C/S RATIO

3819 INR-1318 PAGE 42 (1971) E.RURARZ, J.CHWASZCZEWSKA, Z.HARATYM, M.PIETRZYKOWSKI, A.SULIK (POLAND)
(D,T) NEUTRON SOURCE.
ACTA PHYSICA POLONICA B, 2, 553 (1971)

37-RB-85	1.48+01	1.48+01	1 N,2N
37-RB-87	1.48+01	1.48+01	1 N,2N
39-Y-89	1.48+01	1.48+01	1 N,N'
46-PD-108	1.48+01	1.48+01	1 N,2N
46-PD-110	1.48+01	1.48+01	1 N,2N
46-CD-111	1.48+01	1.48+01	1 N,N'
46-CD-112	1.48+01	1.48+01	1 N,2N
74-W-186	1.48+01	1.48+01	1 N,2N
76-OS-190	1.48+01	1.48+01	1 N,N'
82-PB-204	1.48+01	1.48+01	1 N,2N

3820 INR-1318 PAGE 43 (1971) E.RURARZ, B.MYSLEK (POLAND)
(D,T) NEUTRON SOURCE.
ACTA PHYSICA POLONICA B, 3, 195 (1972)

76-OS-190	1.48+01	1.48+01	1 N,P
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3821 ACTA PHYSICA POLONICA B, 2, 489 (1971) J.S.BRZOSKO, E.GIERLIK, A.SOLTAN, JR., Z.SZEFLINSKI, Z.WILHELM (WARSAW, U.)
VAN DE GRAAFF (P,T) NEUTRON SOURCE.

49-IN-115	3.23-02	1.33+00	10 N,G
49-IN-115	4.00-01	4.00-01	1 N,G
51-SB-NAT	4.00-01	4.00-01	2 N,G
51-SB-NAT	4.00-01	4.00-01	1 N,G
53-I-127	4.00-01	4.00-01	2 N,G
53-I-127	4.00-01	4.00-01	1 N,G
55-CS-133	4.00-01	4.00-01	2 N,G
55-CS-133	4.00-01	4.00-01	1 N,G
65-TB-159	4.00-01	4.00-01	2 N,G
65-TB-159	4.00-01	4.00-01	1 N,G
67-HO-165	4.00-01	4.00-01	2 N,G
67-HO-165	4.00-01	4.00-01	1 N,G
73-TA-181	3.40-02	1.30+00	9 N,G
73-TA-181	4.00-01	4.00-01	1 N,G
79-AU-197	3.23-02	1.33+00	10 N,G
79-AU-197	4.00-01	4.00-01	1 N,G
81-TL-NAT	4.00-01	4.00-01	2 N,G
81-TL-NAT	4.00-01	4.00-01	1 N,G
92-U-238	4.00-01	4.00-01	2 N,G

C/S RATIO

C/S RATIO

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C/S RATIO

C/S RATIO

C/S RATIO

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-509 ***

REF.NO.=3821

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3821	92-U -238	4.00-01 4.00-01	1 N,G	C/S RATIO
3822 Z. PHYSIK 243, 114 (1971) J.HONZATKO, E.A.EISSA, K.KONECNY (PRAGUE) REACTOR THERMAL NEUTRON SOURCE.	26-FE-54 26-FE-56 26-FE-57	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	1 N,G 25 N,G 2 N,G	SPECT.AV. SPECT.AV. SPECT.AV.
3823 INDC(SEC)-18 PAGE 193 (1971) M.DIKSIC, P.STROHAL, I.SLAUS (YUGOSLAVIA) (D,T) NEUTRON SOURCE. J. INORG. NUCLEAR CHEM. 36, 477 (1974)	16-S -32 20-CA-40 26-FE 54 30-ZN-64 34-Y -69	1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01 1.46+01	1 N,T 1 N,T 1 N,T 1 N,T 1 N,T	
3824 KFKI-1467/F (1963) I.BOMBELY, T.DOLINSZKY, G.HREHUS, S.ZSOLDOS (HUNGARY) (D,D) NEUTRON SOURCE.	53-I -127 53-I -127 55-CS-133	2.60+00 2.60+00 2.60+00 2.60+00 2.60+00 2.60+00	1 N,G 1 N,P 1 N,G	
3825 NUCLEAR PHYS. 229, 397 (1974) D.R.GILL, N.AHMED, W.J.MC DONALD, G.C.NEILSON S.A.ELBAKR, I.J.VAN HEERDEN, W.K.DAWSON (U. OF ALBERTA) VAN DE GRAAFF (P,T) NEUTRON SOURCE.	48-CD-114 48-CD-116	1.13+00 2.96+00 1.39+00 2.92+00	115 N,N' 79 N,N'	
3826 NUCLEAR SCIENCE AND ENGINEERING 57, 309 (1975) C.G.HOOT, V.J.ORPHAN, J.JOHN (INTEL,RAD,TECH.) IRT-8093-704 (1974) ELECTRON LINAC NEUTRON SOURCE.	13-AL-27 13-AL-27 26-FE-NAT 26-FE-NAT 26-FE-NAT 26-FE-NAT	9.51-01 1.57+01 1.10+00 1.46+01 1.41+01 1.41+01 3.58+00 1.46+01 9.40-01 1.57+01 1.09+00 1.46+01	222 N,XG 295 N,XG 1 N,N' 69 N,XG 137 N,XG 258 N,XG	D(A) D(A) D(A) D(A) D(A)
3827 NUCLEAR PHYS. 180, 273 (1972) D.S.CRAMER, L.CRANBORG (U. OF VIRGINIA) VAN DE GRAAFF NEUTRON SOURCE.	2-HE-NAT	5.45-01 8.40-01	32 ELASTIC	D(A)
3828 TRANS. AM. NUCLEAR SOC. 15, 480 (1972) L.W.WESTON, J.H.TODD (ORNL) ELECTRON LINAC NEUTRON SOURCE. ALSO SEE REF. 3263.	94-PU-239 94-PU-239 94-PU-240 94-PU-240 94-PU-241 94-PU-241 94-PU-241 95-AH-241 95-AH-241	1.50-05 9.50-03 5.00-05 2.00-01 3.48-03 3.66-01 1.50-04 1.50-01 1.50-05 2.50-02 1.00-05 2.50-01 9.84-09 3.77-01 1.50-05 2.25-01	27 N,FISS 29 ALPHA 2488 N,G 28 ABSORP 29 N,FISS 38 ALPHA 4984 ABSORP 38 ABSORP	SPECT.AV. RES.INT. SPECT.AV. SPECT.AV. RES.INT. SPECT.AV.
3829 NUCLEAR SCIENCE AND ENGINEERING 52, 299 (1973) J.B.CZIRR, M.L.STELTS (LLL) ELECTRON LINAC NEUTRON SOURCE. UCRL-74447 (1973)	67-HO-165 79-AU-197	1.91-04 2.47-01 6.87-03 2.47-01	29 N,G 15 N,G	
3830 PHYS. REV. C, 11, 869 (1975) N.AHMED, D.R.GILL, W.J.MC DONALD, G.C.NEILSON, W.K.DAWSON (U. OF ALBERTA) VAN DE GRAAFF NEUTRON SOURCE.	81-TL-203 81-TL-205	1.20+00 2.85+00 1.19+00 2.82+00	103 N,N' 62 N,N'	
3831 ORNL-4908 (1974) W.E.KINNEY, F.G.PEREY (ORNL) VAN DE GRAAFF NEUTRON SOURCE.	29-CU-63 29-CU-63	5.50+00 8.50+00 4.50+00 8.50+00	3 ELASTIC 12 N,N'	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3831

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3831

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
29-CU-63	5.50+00 8.50+00	63 ELASTIC D(A)
29-CU-63	5.50+00 8.50+00	45 N,N' D(A)
29-CU-65	5.50+00 8.50+00	3 ELASTIC
29-CU-65	5.50+00 8.50+00	10 N,N'
29-CU-65	5.50+00 8.50+00	50 ELASTIC D(A)
29-CU-65	5.50+00 8.50+00	55 N,N' D(A)

3832 DISSERTATION ABSTRACTS B, 32, 5091 (1972) A.BARI
(U. OF ARKANSAS)
COCKCROFT-WALTON (D,T) NEUTRON SOURCE.

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
13-AL-27	1.48+01 1.48+01	1 N,P
37-RB-85	1.48+01 1.48+01	1 N,P
37-RB-87	1.48+01 1.48+01	2 N,2N
37-RB-87	1.48+01 1.48+01	1 N,2N
38-SR-86	1.48+01 1.48+01	1 N,2N
38-SR-86	1.48+01 1.48+01	1 N,P
38-SR-88	1.48+01 1.48+01	1 N,2N
40-ZR-90	1.48+01 1.48+01	1 N,2N
40-ZR-90	1.48+01 1.48+01	2 N,2N
40-ZR-90	1.48+01 1.48+01	1 N,P
40-ZR-90	1.48+01 1.48+01	1 N,A
41-NB-93	1.48+01 1.48+01	1 N,2N
41-NB-93	1.48+01 1.48+01	1 N,A
57-LA-139	1.48+01 1.48+01	1 N,P
57-LA-139	1.48+01 1.48+01	1 N,A
58-CE-136	1.48+01 1.48+01	1 N,2N
58-CE-138	1.48+01 1.48+01	1 N,2N
58-CE-140	1.48+01 1.48+01	2 N,2N
58-CE-140	1.48+01 1.48+01	1 N,P
58-CE-142	1.48+01 1.48+01	1 N,2N
58-CE-142	1.48+01 1.48+01	1 N,A
59-PR-141	1.48+01 1.48+01	1 N,2N
59-PR-141	1.48+01 1.48+01	1 N,P
60-ND-142	1.48+01 1.48+01	1 N,2N
60-ND-142	1.48+01 1.48+01	1 N,2N
60-ND-142	1.48+01 1.48+01	1 N,A
60-ND-146	1.48+01 1.48+01	1 N,P
60-ND-148	1.48+01 1.48+01	1 N,2N
60-ND-150	1.48+01 1.48+01	1 N,2N
62-SM-144	1.48+01 1.48+01	1 N,2N
62-SM-144	1.48+01 1.48+01	2 N,2N
62-SM-150	1.48+01 1.48+01	1 N,P
62-SM-150	1.48+01 1.48+01	1 N,A
62-SM-152	1.48+01 1.48+01	1 N,A
62-SM-154	1.48+01 1.48+01	1 N,2N
62-SM-154	1.48+01 1.48+01	1 N,A
63-EU-151	1.48+01 1.48+01	1 N,2N
63-EU-153	1.48+01 1.48+01	1 N,2N
63-EU-153	1.48+01 1.48+01	1 N,2N
63-EU-153	1.48+01 1.48+01	1 N,P
64-GD-160	1.48+01 1.48+01	1 N,2N
65-TB-159	1.48+01 1.48+01	1 N,P
66-DY-156	1.48+01 1.48+01	1 N,2N
66-DY-158	1.48+01 1.48+01	1 N,2N
66-DY-162	1.48+01 1.48+01	1 N,A

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS DESCRIPTION
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*** 3-511 ***

REF. NO. = 3832

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3832

REF BIBLIOGRAPHY

3832

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
66-ER-162	1.48+01 1.48+01	1	N,2N
58-ER-166	1.48+01 1.48+01	1	N,P
63-TM-169	1.48+01 1.48+01	1	N,2N
70-Y8-168	1.48+01 1.48+01	1	N,2N
70-Y8-170	1.48+01 1.48+01	1	N,2N
70-Y8-174	1.48+01 1.48+01	1	N,P

3833 PHYS. REV. C, 10, 1864 (1974) S.A.ELBAKR, I.J.VAN HEERDEN,
D.R.GILL, N.AHMED, W.J.MC DONALD, G.C.NEILSON,
H.K.DAWSON (U. OF ALBERTA)
VAN DE GRAAFF NEUTRON SOURCE.

64-GD-160	1.05+00 2.13+00	80	N,N'
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3834 BULL. AM. PHYS. SOC. 15, 1372 (1970) R.W.FINK, W.-D.LU
(GEORGIA TECH.)
(D,T) NEUTRON SOURCE.

28-NI-58	1.44+01 1.44+01	1	N,2N
28-NI-58	1.44+01 1.44+01	1	N,P
28-NI-58	1.44+01 1.44+01	1	ACTIVAT
48-CD-106	1.44+01 1.44+01	1	N,P
48-CD-106	1.44+01 1.44+01	1	N,P
50-SN-112	1.44+01 1.44+01	1	N,2N
50-SN-112	1.44+01 1.44+01	2	N,P
50-SN-112	1.44+01 1.44+01	1	ACTIVAT

3835 PHYS. REV. C, 11, 462 (1975) H.I.LIOU, G.HACKEN,
L.J.RAINWATER, U.N.SINGH (COLUMBIA U.)
SYNCHROCYCLOTRON NEUTRON SOURCE.

66-DY-160	1.04-05 1.99-03	2	AV.RES.PARAM.
66-DY-160	1.04-05 1.99-03	137	RES.PARAM.
66-DY-161	2.71-06 9.96-04	2	AV.RES.PARAM.
66-DY-161	2.71-06 9.96-04	528	RES.PARAM.
66-DY-162	5.45-06 1.58-02	3	AV.RES.PARAM.
66-DY-162	5.45-06 1.58-02	300	RES.PARAM.
66-DY-163	1.72-06 9.96-04	2	AV.RES.PARAM.
66-DY-163	1.72-06 9.96-04	267	RES.PARAM.
66-DY-164	1.47-04 2.11-02	3	AV.RES.PARAM.
66-DY-164	1.47-04 2.11-02	237	RES.PARAM.

3836 PHYS. LETTERS, B, 58, 293 (1975) C.LACROIX, R.E.SHAMU,
T.W.BURROWS, G.P.GLASGOW, G.HARDIE, F.D.MC DANIEL
(U. OF KENTUCKY)
VAN DE GRAAFF (D,D) NEUTRON SOURCE.

62-SM-148	6.25+00 6.25+00	21	ELASTIC D(A)
62-SM-154	6.25+00 6.25+00	21	SCATTER D(A)

3837 CONF. ON NEUTRON C/S TECHNOLOGY, KNOXVILLE, 1, 191 (1971)
F.G.PEREY, H.E.KINNEY, R.L.HACKLIN (ORNL)
ELECTRON LINAC NEUTRON SOURCE.

11-NA-23	4.47-01 2.16+00	945	N,N'
14-SI-28	1.78+00 3.52+00	253	N,N'
26-FE-56	7.93-01 2.12+00	585	N,N'

3838 PHYS. REV. C, 8, 2352 (1973) G.A.KEYWORTH, J.R.LEMLEY,
C.E.OLSEN, F.T.SEIBEL, J.W.T.DABBS, JR., N.W.HILL (ORNL)
ELECTRON LINAC NEUTRON SOURCE.

93-NP-237	1.47-06 8.84-04	112	RES.PARAM.
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3839 PHYS. REV. LETTERS 31, 1077 (1973) G.A.KEYWORTH, C.E.OLSEN,
F.T.SEIBEL, J.W.T.DABBS, JR., N.W.HILL (ORNL)
ELECTRON LINAC NEUTRON SOURCE.

92-U -235	1.13-06 5.66-05	53	RES.PARAM.
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3840 PHYS. REV. C, 12, 102 (1975) H.I.LIOU, L.J.RAINWATER,
G.HACKEN, U.N.SINGH (COLUMBIA U.)
SYNCHROCYCLOTRON NEUTRON SOURCE.

81-TL-NAT	2.10-02 1.01-01	54	RES.PARAM.
81-TL-203	0. 1.92-02	4	AV.RES.PARAM.
81-TL-203	3.79-05 1.03-01	134	RES.PARAM.

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 7-512 ***

REF.NO.=3840

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3840

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3840	81-TL-205	0. 2.00-02	2	AV.RES.PARAM.
	81-TL-205	4.46-05 9.30-02	37	RES.PARAM.
3841	PROC. INT. CONF. ON NUCL. STRUCTURE STUDY W/NEUT. BUDAPEST, (1972) IN LIEU OF ABOVE TITLE SEE NUCLEAR STRUCTURE STUDY WITH NEUTRONS. BUDAPEST, (1972)			
3842	CRNL-TM-3702 (1972) G.L.MORGAN, T.A.LOVE, J.K.DICKENS, F.G.PEREY (ORNL)	6-C -NAT 4.76+00 1.94+01	245	N,XG D(A)
	OAK RIDGE LINAC NEUTRON SOURCE.	73-TA-NAT 1.30-02 1.77+01	3377	N,XG D(E,A)
3843	IDAHO STATE UNIVERSITY, MASTER THESIS (1970) M.R.SERPA MTR FAST CHOPPER NEUTRON SOURCE. FOUR PER CENT ENRICHED SAMPLE OF NIOBIUM 94. ALSO SEE REF. 3414.	41-NB-93 1.11-09 2.19-05	220	TOTAL
		41-NB-94 1.19-09 1.99-04	1029	TOTAL
		41-NB-94 1.15-05 2.27-05	17	RES.PARAM.
		42-MO-95 4.46-05 4.46-05	5	RES.PARAM.
3844	BULL. AM. PHYS. SOC. 20, 174 (1975) J.J. EGAN, G.H.R. KEGEL, G.P. COUCHELL, A. MITTLER, B.K. BARNES, W.A. SCHIER, D.J. PULLEN, P. HARIHAR, T.V. MARCELLA, N.B. SULLIVAN, E. SHELDOON, A. PRINCE (LOWELL TECH.) 5.5 MEV VAN DE GRAFF NEUTRON SOURCE. CONF. ON NUCLEAR C/S AND TECHNOLOGY, WASH.D.C., 2, 950 (1975)	32-U -238 8.91-01 2.73+00	9	ELASTIC D(A)
		32-U -238 8.91-01 2.73+00	18	N,N' D(A)
3845	IDAHO, UNIVERSITY OF, MASTER THESIS (1966) W.L. WILSON FAST CHOPPER NEUTRON SOURCE.	21-SC-45 2.03-08 5.94-03	120	TOTAL
		21-SC-45 2.53-08 2.53-08	1	N,O
3846	PHYS. REV. C, 11, 895 (1975) G.J. KIROUAC, H.M. EILAND (KAPL) R.P.I. ELECTRON LINAC NEUTRON SOURCE.	62-SM-151 1.01-08 2.41-05	139	TOTAL
		62-SM-151 5.00-07 1.50+01	1	N,O RES.INT.
		62-SM-151 0. 2.27-03	5	AV.RES.PARAM.
		62-SM-151 1.20-07 2.95-04	269	RES.PARAM.
3847	NUCLEAR PHYS. 217, 611 (1973) H.D. KNOX, J.M. COX, R.W. FINLAY, R.O. LANE (OHIO U.) COCKROFT-WALTON (D,D) NEUTRON SOURCE.	6-C -NAT 2.63+00 2.63+00	1	ELASTIC
		6-C -NAT 2.63+00 2.63+00	8	ELASTIC D(A)
3848	INDC(AUL)-23/L (1974) A.R. DEL MUSGROVE, B.J. ALLEN, R.L. MACKLIN (ORNL) OAK RIDGE LINAC NEUTRON SOURCE.	56-BA-135 3.50-03 8.00-04	15	N,O SPECT.AV.
		56-BA-135 3.05-03 5.97-03	3	AV.RES.PARAM.
		56-BA-135 3.05-03 5.97-03	326	RES.PARAM.
3849	PROC. INT. CONF. ON NUCLEAR STRUCTURE TOKYO, 8, 87 (1967) N.NATH, H.C. SHARMA, D.C. STUPEGIA, A.K.M.S. DDIQ (BANARAS HINDU U.) HARWELL TIME-OF-FLIGHT VAN DE GRAFF NEUTRON SOURCE.	83-BI-209 1.17+00 1.91+00	33	N,N' D(A)
3850	ACTA PHYSICA ACAD. SCI. HUNGARICAE 30, 115 (1971) J. ANGELI, J. CSIKAI, J.L. NAGY, T. SCHARBERT, T. SZTARICKAI, D. NOVACK (DEBRECEN) (D,T) NEUTRON SOURCE.	7-N -NAT 1.47+01 1.47+01	1	TOTAL
		58-CE-NAT 1.47+01 1.47+01	1	TOTAL
3851	NUCLEAR PHYS. 110, 11 (1968) M. JASKOLA, W. OSAKIEWICZ, J. TURKIEWICZ, Z. WILHELM, L. ZEMLO, Z. ROGULSKI, M. MADEJ, A. STODOLSKA, B. ZYCH, L. GLOHACKA (WARSAW)	66-DY-160 1.41+01 1.41+01	1	N,A D(A)
		66-DY-160 1.41+01 1.41+01	28	N,A D(E,A)
		66-DY-162 1.41+01 1.41+01	1	N,A D(A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=3851

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ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3851

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3851 VAN DE GRAAFF NEUTRON SOURCE.	66-DY-162	1.41+01 1.41+01	29 N.A	D(E,A)
	66-DY-164	1.41+01 1.41+01	1 N.A	D(A)
	66-DY-164	1.41+01 1.41+01	24 N.A	D(E,A)
3852 IEA-78 (1984) F.G.BIANCHINI, M.DE ABREU, L.Q.AMARAL, O.W.MARTINS (IEA, SAO PAULO) REACTOR CRYSTAL SPECTROMETER NEUTRON SOURCE.	79-AU-197	5.30-09 2.45-08	18 TOTAL	
3853 CIENCIA E CULTURA 20, 139 (1968) R.FULFARO, R.STASILEVICIUS (IEA, SAO PAULO) REACTOR CRYSTAL SPECTROMETER NEUTRON SOURCE.	79-AU-197	2.93-08 1.00-06	71 TOTAL	
3854 INR-1401 PAGE 1 (1972) W.AUGUSTYNIAK, J.WIERTEL, A.MARCINKOWSKI (KRAKOW) VAN DE GRAAFF (D,T) NEUTRON SOURCE.	37-RB-85	1.30+01 1.78+01	10 N,2N	
	37-RB-85	1.30+01 1.66+01	8 N,2N	
	37-RB-87	1.30+01 1.88+01	10 N,2N	
	37-RB-87	1.33+01 1.54+01	5 N,2N	
	50-SN-117	1.39+01 1.66+01	6 N,N'P	
3855 INR-1401 PAGE 13 AND 22 (1972) L.GLOWACKA, M.JASKOLA, M.KOZLOWSKI, H.OSAKIEWICZ, J.TURKIEWICZ, L.ZEMLO (KRAKOW) VAN DE GRAAFF (D,T) NEUTRON SOURCE.	66-DY-160	1.81+01 1.81+01	1 N.A	D(A)
	66-DY-160	1.81+01 1.81+01	35 N.A	D(E,A)
	66-DY-162	1.81+01 1.81+01	1 N.A	D(A)
	66-DY-162	1.81+01 1.81+01	28 N.A	D(E,A)
	66-DY-164	1.81+01 1.81+01	1 N.A	D(A)
	66-DY-164	1.81+01 1.81+01	26 N.A	D(E,A)
3856 INR-1401 PAGE 4 (1972) E.RURARZ, Z.HARATYH, T.KOZLOWSKI, P.OBLOZINSKY (KRAKOW) (D,T) NEUTRON SOURCE. ACTA PHYSICA POLONICA B, 3, 637 (1972)	56-BA-NAT	1.48+01 1.48+01	1 ACTIVAT	
	56-BA-132	1.48+01 1.48+01	1 N,2N	
	56-BA-134	1.48+01 1.48+01	1 N,2N	
3857 INOC(RUM)-3 PAGE 19 (1972) D.FLOSTINARU, E.A.IVANOV, A.IORDACHESCU, S.VAJDA, GH. PASCOVICI (IAP, BUCHAREST) CYCLOTRON NEUTRON SOURCE.	11-NA-23	9.20-01 3.95+00	3 N,0	
3858 PROC.INT.CONF.FEW-PARTICLE PROB.NUCL.INTERACTION. L.A. (1972) IN LIEU OF ABOVE TITLE SEE FEW PARTICLE PROBLEMS NUCLEAR INTERACTION. L.A. (1972)				
3859 IFA-NF-18 (1963) D.DRAGOMIRESCU, ST.APOSTOLESU, V.MATEICIUC, M.BESLIU (BUCHAREST) REACTOR CHOPPER NEUTRON SOURCE. ALSO SEE REF. 1928.	33-AS-75	1.00-08 1.07-07	70 TOTAL	
3860 REV. ROUM. PHYS. 12, 561 (1967) D.I.DORCIOMAN, M.S.POPA, M.I.CRISTU (BUCHAREST) REACTOR THERMAL NEUTRON SOURCE.	25-MN-55	2.53-08 2.53-08	15 N,0	SPECT.AV.
	32-GE-NAT	2.53-08 2.53-08	18 N,0	SPECT.AV.
	32-GE-73	1.00+00 1.00+00	13 N,N'	
	77-IR-NAT	2.53-08 2.53-08	11 N,0	SPECT.AV.
3861 REV. ROUM. PHYS. 10, 949 (1965) M.I.CRISTU, M.S.POPA (BUCHAREST) REACTOR NEUTRON SOURCE.	33-AS-75	2.53-08 2.53-08	15 N,0	SPECT.AV.
3862 REV. ROUM. PHYS. 10, 673 (1965) M.I.CRISTU, M.S.POPA	53-I -127	2.53-08 2.53-08	13 N,0	SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

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REF.NO.=3862

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3862

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3862 (BUCHAREST)

REACTOR NEUTRON SOURCE.

3863 KERNENERGIE 9, 95 (1956) H.OEHLER, H.POSE (DRESDEN)
PHOTONEUTRON SOURCE.

29-CU-NAT	9.60-01	9.60-01	1	NONELAS
30-ZN-NAT	9.60-01	9.60-01	1	NONELAS
48-CD-NAT	9.60-01	9.60-01	1	NONELAS
48-CD-NAT	9.60-01	9.60-01	1	N,N'
48-CD-NAT	9.60-01	9.60-01	3	N,N'
48-CD-NAT	9.60-01	9.60-01	1	N,G
50-SN-NAT	9.60-01	9.60-01	1	N,N'
51-SB-NAT	9.60-01	9.60-01	1	NONELAS
51-SB-NAT	9.60-01	9.60-01	1	N,N'
51-SB-NAT	9.60-01	9.60-01	1	N,N'

3864 IEA-150 (1967) R.FULFARO, R.STASIULEVICIUS (I.E.A., BRAZIL)
REACTOR CRYSTAL SPECTROMETER NEUTRON SOURCE.

77-IR-NAT 5.70-07 7.61-07 20 TOTAL

3865 PROC. CONF. CHEM. NUCL. DATA MEAS. APPL. CANTERBURY (1971)
IN LIEU OF ABOVE TITLE, SEE
CHEMICAL NUCL. DATA MEAS. APPL. CANTERBURY (1971)3866 PROC. TRI. SYMP. NUCL. PHYS. W/THERM. RESON.-EN. NEUT. PETTEN (1973)
IN LIEU OF ABOVE TITLE, SEE
NUCLEAR PHYS. W/THERM. RESON.-ENERGY NEUT. PETTEN (1973)3867 NUCLEAR PHYSICS SYMPOSIUM, ROORKEE, 2, 289 (1969) R.H.IYER,
R.SAMPA TH KUMAR (TROMBAY)
(D.T) CASCADE GENERATOR NEUTRON SOURCE.

90-TH-232	1.41+01	1.41+01	1	N.FISS
92-U -233	1.41+01	1.41+01	1	N.FISS
92-U -235	1.41+01	1.41+01	1	N.FISS
93-NP-237	1.41+01	1.41+01	1	N.FISS
94-PU-239	1.41+01	1.41+01	1	N.FISS
95-AM-241	1.41+01	1.41+01	1	N.FISS

3868 NUCLEAR PHYS. 181, 101 (1972) S.S.HASAN, P.R.PRASAU,
M.L.SEHGAL (ALIGARH)
120 KEV (D.T) NEUTRON SOURCE.

34-SE-02	1.48+01	1.48+01	2	N,2N
42-MO-92	1.48+01	1.48+01	1	N,2N
42-MO-92	1.48+01	1.48+01	1	N,2N
42-MO-92	1.48+01	1.48+01	1	N,A
50-SN-117	1.48+01	1.48+01	1	N,P
50-SN-117	1.48+01	1.48+01	1	N,P
52-TE-128	1.48+01	1.48+01	1	N,2N
52-TE-128	1.48+01	1.48+01	1	N,P
52-TE-130	1.48+01	1.48+01	1	N,2N

3869 NUCLEAR PHYS. 125, 312 (1969) C.A.R.BAIN, F.D.BROOKS
(FAURE, S.AFRICA)
VAN DE GRAAFF NEUTRON SOURCE.

53-I -127 4.60-02 5.08-01 53 N,N'

3870 CAN. J. PHYS. 47, 2031 (1969) M.D.RICABARRA, R.TURJANSKI,
G.H.RICABARRA (ARGENTINA)
REACTOR NEUTRON SOURCE.

30-ZN-64	6.00-07	1.50+01	1	N,G	RES. INT.
30-ZN-68	6.00-07	1.50+01	1	N,G	RES. INT.
37-RG-85	6.00-07	1.50+01	1	N,G	RES. INT.
42-MO-100	6.00-07	1.50+01	1	N,G	RES. INT.
44-RU-102	6.00-07	1.50+01	1	N,G	RES. INT.
49-IN-113	6.00-07	1.50+01	1	N,G	RES. INT.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-515 ***

REF.NO.=3870

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3870

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3870	51-SB-123 72-HF-180	6.00-07 1.50+01 6.00-07 1.50+01	1 N,G 1 N,G	RES.INT. RES.INT.
3871 CAN. J. PHYS. 48, 2362 (1970) M.D.RICABARRA, R.TURJANSKI, G.H.RICABARRA (ARGENTINA) REACTOR NEUTRON SOURCE.	40-ZR-94 40-ZR-94 40-ZR-94 40-ZR-96 40-ZR-96 40-ZR-96	7.50+00 7.50+00 6.00-07 1.50+01 6.00-07 1.50+01 7.50+00 7.50+00 6.00-07 1.50+01 6.00-07 1.50+01	1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G	RES.INT. RES.INT. RES.INT. RES.INT. RES.INT. RES.INT.
3872 CAN. J. PHYS. 50, 1978 (1972) M.D.RICABARRA, R.TURJANSKI, G.H.RICABARRA (ARGENTINA) REACTOR NEUTRON SOURCE.	32-GE-74 32-GE-76	6.00-07 1.50+01 6.00-07 1.50+01	1 N,G 1 N,G	RES.INT. RES.INT.
3873 NUCLEAR DATA FOR REACTORS. HELSINKI, 2, 589 (1970) G.H.RICABARRA, R.TURJANSKI, M.D.RICABARRA (ARGENTINA) REACTOR NEUTRON SOURCE.	32-GE-76 38-SR-84 44-RU-96 44-RU-104 50-SN-124 51-SB-121 65-TB-159 70-YB-168	5.00-07 1.50+01 5.00-07 1.50+01 5.00-07 1.50+01 5.00-07 1.50+01 5.00-07 1.50+01 5.00-07 1.50+01 5.00-07 1.50+01 5.00-07 1.50+01	2 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G	RES.INT. RES.INT. RES.INT. RES.INT. RES.INT. RES.INT. RES.INT. RES.INT.
3874 NUCLEAR SCIENCE AND ENGINEERING 49, 392 (1972) C.CASTRO MADERO, F.KROPFF, A.OLIVA (BARILOCHE) 25 MEV LINAC NEUTRON SOURCE.	C10H804	7.07-09 2.11-05	140	TOTAL
3875 IEA-235 (1971) R.FULFARO (I.E.A., SAO PAULO) REACTOR CRYSTAL SPECTROMETER NEUTRON SOURCE.	32-GE-NAT	2.01-08 6.84-07	39	TOTAL
3876 INDC-6 PAGE 15 (1970) R.FULFARO (I.E.A., SAO PAULO) REACTOR CRYSTAL SPECTROMETER NEUTRON SOURCE.	79-AU-197	9.30-09 2.31-08	8	TOTAL
3877 NUCLEAR PHYS. 196, 83 (1972) J.R.D.LEPINE, R.A.DOUGLAS, H.A.MAIA (U.OF SAO PAULO) (P.L17) NEUTRON SOURCE.	62-SM-NAT 63-EU-NAT 64-GD-NAT 65-TB-159 66-DY-NAT 67-40-165 68-ER-NAT 70-YB-NAT 71-LU-NAT 73-TA-181	3.00-02 1.65-01 3.00-02 3.00-01 3.00-02 3.00-01 3.00-02 3.00-01 3.00-02 3.00-01 3.00-02 3.00-01 3.00-02 3.00-01 3.00-02 1.65-01 3.00-02 3.00-01 3.00-02 3.00-01	3 N,G 4 N,G 4 N,G 4 N,G 4 N,G 4 N,G 4 N,G 3 N,G 4 N,G 4 N,G	
3878 PRIVATE COMMUNICATION (1963) D.W.COLVIN, M.G.SOWERBY (AERE,HARNELL) BORON PILE METHOD. RENORMALIZED ASSUMING 3.73 FOR CF-252 SPONTANEOUS FISSION NUSAR.	92-U -233 92-U -235	5.80-01 2.58+00 1.00-01 2.57+00	5 9	NU-PRMT NU-PRMT
3879 J.NUCLEAR ENERGY 25, 321 (1971) R.L.WALSH, J.W.BOLDEMAN (AAECRE, AUSTRALIA) LIQUID SCINTILLATOR. RENORMALIZED ASSUMING 3.73 FOR CF-252	92-U -233	3.00-01 1.87+00	7	NU-PRMT

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-516 ***

REF.NO.=3879

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDER)

REF. NO. = 3879

REF BIBLIOGRAPHY

TARGET E. RANGE (MEV) PTS DESCRIPTION

3879 SPONTANEOUS FISSION NUBAR.

3880 ANNALS OF NUCLEAR SCIENCE AND ENGINEERING 1, 353 (1974)
R.L. WALSH, J.H. BOLDEMAN (AAECRE, AUSTRALIA)
LIQUID SCINTILLATOR. RENORMALIZED ASSUMING 3.73 FOR CF-252
SPONTANEOUS NUBAR.

94-PU-239 2.00-01 1.90+00 8 NU-PRMT

3881 CEA-R-4626 (1974) J. FREHAUT, M. LE BARS, G. MOSINSKI
(BRUYERES LE CHATEL)
LIQUID SCINTILLATOR. RENORMALIZED ASSUMING 3.73 FOR CF-252
SPONTANEOUS NUBAR.

94-PU-240 1.87+00 1.47+01 22 NU-PRMT

94-PU-241 1.87+00 1.47+01 23 NU-PRMT

3882 J. NUCLEAR ENERGY 25, 331 (1971) H. CONDE, M. HOLMBERG
(RES. INST. NAT. DEF. STOCKHOLM)
LIQUID SCINTILLATOR. RENORMALIZED ASSUMING 3.73 FOR CF-252
SPONTANEOUS NUBAR.

92-U -236 7.70-01 6.70+00 21 NU-PRMT

3883 ATOMNAYA ENERGIYA 32, 408 (1972) M.V. SAVIN, YU.A. KHOKHLOV,
I.N. PARAMONGVA, V.A. CHIRKIN (USSR)
LIQUID SCINTILLATOR. RENORMALIZED ASSUMING 3.73 FOR CF-252
SPONTANEOUS FISSION NUBAR.

92-U -238 1.27+00 5.87+00 46 NU-PRMT

3884 ATOMNAYA ENERGIYA 33, 901 (1972) K.E. BOLODRN, V.F. KUZNETSOV,
V.G. NESTEROV, B. NURPEISOV, L.I. PROKHOROVA, YU.M. TURCHIN,
G.N. SMIRENIN (USSR)
COINCIDENCE MEASUREMENT USING FISSION FRAGMENT DETECTORS AND
HE-3 NEUTRON COUNTERS. SOME DATA TAKEN USING THORIUM
CHAMBER FOR NEUTRON COUNTING. DATA RENORMALIZED ASSUMING
3.73 FOR SPONTANEOUS FISSION NUBAR FOR CF-252.

94-PU-239 0. 1.60+00 22 NU-PRMT

3885 ORNL-4534 PAGE 5 (1970) M.J.M. SALT MARSH, M.L. HALBERT,
C.R. BINGHAM, C.A. LUDEMANN, A. VAN DER WOUDE (ORNL)
TIME OF FLIGHT SCINTILLATION DETECTORS.

1-H -1 6.00+01 6.00+01 10 ELASTIC D(A)

3886 ANL-NDM-15 (1975) W.P. DENITZ (ANL)
TANDEM DYNAMITRON NEUTRON SOURCE.

67-HO-165 4.00-01 3.00+00 16 N,G

73-TA-181 3.00-01 3.00+00 14 N,G

3887 COO-2479-2 (1975) P.H. BROWN, B.L. QUAN, J.J. WEISS, R.C. BLOCK
(RPI)
ELECTRON LINAC NEUTRON SOURCE.

11-NA-23 2.90-01 3.17+00 319 TOTAL

3888 PHYS. REV. C 12, 1428 (1975) J. CALLERAME, D.J. LARSON,
S.J. LIPSON, R. WILSON (HARVARD)
CRYSTAL SPECTROMETER NEUTRON SOURCE.

1-11 -2 4.20-09 4.20-09 3 COHERT

3889 LOWELL INSTITUTE TECHNOLOGY. THESIS. (1975) A. MITTLER,
J. NARDINI, G.P. COUCHELL
VAN DE GRAAFF NEUTRON SOURCE.

26-FE-54 1.45+00 3.96+00 36 N,N'

26-FE-54 1.45+00 3.96+00 66 N,N' D(A)

26-FE-56 0.78-01 3.96+00 125 N,N'

26-FE-56 0.70-01 3.96+00 144 N,N' D(A)

26-FE-57 0.31-01 3.96+00 36 N,N' D(A)

3890 PHYS. REV. C 12, 451 (1975) B.P. BAYHURST, J.S. GILMORE,

21-SC-45 1.41+01 2.80+01 11 N,2N

REF BIBLIOGRAPHY

TARGET E. RANGE (MEV) PTS DESCRIPTION

*** 3-517 ***

REF. NO. = 3890

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3890

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3890 R. J. PRESTWOOD, J. B. WILHELMY, N. JARMIE, B. H. ERKKILA, R. A. HARDEKOPF (LASL.) COCKCROFT-WALTON AND VAN DE GRAAFF NEUTRON SOURCES.	28-NI-58 39-Y -89 40-ZR-90 47-AG-107 69-TM-169 71-LU-175 77-IR-191 77-IR-193 77-IR-193 79-AU-197 81-TL-203 81-TL-205	1.62+01 2.80+01 1.41+01 2.80+01 1.41+01 2.79+01 1.34+01 2.80+01 8.65+00 2.80+01 8.51+00 2.80+01 8.64+00 2.44+01 7.57+00 1.47+01 8.61+00 2.12+01 8.65+00 2.80+01 8.61+00 2.80+01 2.6+01 2.60+01	10 N,2N 12 N,2N 11 N,2N 14 N,2N 15 N,2N 14 N,2N 11 N,2N 4 N,N' 9 N,2N 17 N,2N 16 N,2N 1 N,2N	
3891 PRIVATE COMMUNICATION (1975) R. R. SPENCER (ORNL) ELECTRON LINAC NEUTRON SOURCE.	27-CO-59	2.85+03 3.90+00	205	RES. PARAM.
3892 NUCLEAR SCIENCE AND ENGINEERING 58, 291 (1975) M. F. ELGART, H. F. FINSTON, K. RUNDBERG, E. T. WILLIAMS, A. H. BOND, JR., F. ELLIN (BNL) HIGH FLUX REACTOR NEUTRON SOURCE. CONF. ON NEUTRON C/S TECHNOLOGY, WASH. D.C., 2, 792 (1975)	11-NA-22 53-I -126	2.53+08 2.53+08 2.53+08 2.53+08	1 1	ABSORP ABSORP
3893 NUCLEAR SCIENCE AND ENGINEERING 55, 24 (1974) C. K. PAULSON, E. J. HENNELLY (SAVANNAH RIVER) REACTOR FISSION SPECTRUM NEUTRON SOURCE.	93-NP-237	1.09+01 1.09+01	1	N,2N SPECT. AV.
3894 GKSS-74-E-39 (1974) U. HARZ (U. OF KJEL) REACTOR CHOPPER NEUTRON SOURCE. ATOMKERNENERGIE 24, 142 (1974)	48-CD-NAT 48-CD-113	3.10+08 5.60+06 1.78+07 1.78+07	848 4	TOTAL RES. PARAM.
3895 J. PHYS. A: MATH. AND GEN. 7, 1758 (1974) J. D. KELLIE, S. J. HALL, G. I. CRAWFORD, D. B. C. SYME, J. MC KEOWN (U. OF GLASGOW) ELECTRON LINAC NEUTRON SOURCE.	57-LA-NAT 58-CE-NAT 59-PR-141 60-ND-NAT 62-SM-NAT 64-GD-NAT 66-DY-NAT 67-HO-165 68-ER-NAT 70-YB-NAT	7.00-01 9.03+00 7.00-01 9.03+00 7.00-01 9.06+00 7.00-01 9.06+00 7.00-01 9.06+00 7.00-01 9.06+00 7.00-01 9.06+00 8.00-01 9.02+00 8.00-01 9.02+00 7.00-01 9.03+00	542 542 546 546 546 546 546 588 587 542	TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL
3896 NEANDC(E)-161 PAGE 207 (1974) H. LISKIE, A. PAULSEN (GEEL) ACTIVATION MEASUREMENTS.	79-AU-197	2.00-01 3.00+00	19	N,0
3897 J. NUCLEAR SCIENCE AND TECHNOLOGY 12, 1 (1975) R. C. BLOCK, Y. FUJITA, K. KOBAYASHI, T. OOSAKI (KYOTO) ELECTRON LINAC NEUTRON SOURCE.	4-BE-9 6-C -NAT 8-O -NAT	2.35-02 2.35-02 2.35-02 2.35-02 2.35-02 2.35-02	1 1 1	TOTAL TOTAL TOTAL
3898 RADIOCHEM. AND RADIOANAL. LETTERS 14, 247 (1973) T. BJORNSTAD, J. ALSTAD (U. OF OSLO) ACTIVATION CROSS SECTION.	48-CD-116	1.47+01 1.47+01	1	N,P

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-518 ***

REF. NO. = 3898

REF. NO. -3899

[illegible]

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92-U -235 1.01-03 1.00+00 304 N,FISS
92-U -235 1.50+00 9.50+02 27 N,FISS SPECT,AV.

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93-NP-237 9.99-02 2.10+00 1592 N,F ISS

92-U -235	1.46+01	1.46+01	1 N,FISS	
92-U -238	1.46+01	1.46+01	1 N,FISS	
92-U -238	1.4+01	1.46+01	1 N,FISS	C/S RATIO

94-PU-241 4.28-06 9.07-05 64 NU-PRMT

34-SE-76	6.00+00	1.00+01	3	ELASTIC	
34-SE-76	6.00+00	8.00+00	2	N,N'	
34-SE-76	6.00+00	1.00+01	58	ELASTIC	D(A)
34-SE-76	6.00+00	8.00+00	36	N,N'	D(A)
34-SE-78	9.00+00	8.00+00	1	ELASTIC	
34-SE-78	8.00+00	8.00+00	1	N,N'	
34-SE-78	8.00+00	6.00+00	24	ELASTIC	D(A)
34-SE-78	8.00+00	6.00+00	17	N,N'	D(A)
34-SE-80	8.00+00	8.00+00	1	ELASTIC	
34-SE-80	8.00+00	8.00+00	1	N,N'	
34-SE-80	8.00+00	8.00+00	22	ELASTIC	D(A)
34-SE-80	8.00+00	8.00+00	15	N,N'	D(A)
34-SE-82	6.00+00	1.00+01	3	ELASTIC	
34-SE-82	6.00+00	8.00+00	2	N,N'	
34-SE-82	6.00+00	1.00+01	58	ELASTIC	D(A)
34-SE-82	6.00+00	8.00+00	32	N,N'	D(A)

92-U -235 2.25-01 1.36+00 22 NU-PRMT

94-FU-239	1.00-03	1.00+00	294	N,FISS	
94-FU-239	1.25-03	9.50-01	33	N,FISS	SPECT.AV.
94-FU-239	0.	0.	33	N,FISS	C/S RATIO

94-PU-241	1.95-08	5.60-07	328 N.FISS	
94-PU-241	3.95-06	4.00-05	13 N.FISS	SPECT. ΔV.

92-U -238 6.35-05 1.55-03 3 AV.RES.PARAM.
92-U -238 6.35-05 1.54-03 114 RES.PARAM.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
1	10-15	1	10-15
2	15-20	2	15-20
3	20-25	3	20-25
4	25-30	4	25-30
5	30-35	5	30-35
6	35-40	6	35-40
7	40-45	7	40-45
8	45-50	8	45-50
9	50-55	9	50-55
10	55-60	10	55-60
11	60-65	11	60-65
12	65-70	12	65-70
13	70-75	13	70-75
14	75-80	14	75-80
15	80-85	15	80-85
16	85-90	16	85-90
17	90-95	17	90-95
18	95-100	18	95-100
19	100-105	19	100-105
20	105-110	20	105-110
21	110-115	21	110-115
22	115-120	22	115-120
23	120-125	23	120-125
24	125-130	24	125-130
25	130-135	25	130-135
26	135-140	26	135-140
27	140-145	27	140-145
28	145-150	28	145-150
29	150-155	29	150-155
30	155-160	30	155-160
31	160-165	31	160-165
32	165-170	32	165-170
33	170-175	33	170-175
34	175-180	34	175-180
35	180-185	35	180-185
36	185-190	36	185-190
37	190-195	37	190-195
38	195-200	38	195-200
39	200-205	39	200-205
40	205-210	40	205-210
41	210-215	41	210-215
42	215-220	42	215-220
43	220-225	43	220-225
44	225-230	44	225-230
45	230-235	45	230-235
46	235-240	46	235-240
47	240-245	47	240-245
48	245-250	48	245-250
49	250-255	49	250-255
50	255-260	50	255-260
51	260-265	51	260-265
52	265-270	52	265-270
53	270-275	53	270-275
54	275-280	54	275-280
55	280-285	55	280-285
56	285-290	56	285-290
57	290-295	57	290-295
58	295-300	58	295-300
59	300-305	59	300-305
60	305-310	60	305-310
61	310-315	61	310-315
62	315-320	62	315-320
63	320-325	63	320-325
64	325-330	64	325-330
65	330-335	65	330-335
66	335-340	66	335-340
67	340-345	67	340-345
68	345-350	68	345-350
69	350-355	69	350-355
70	355-360	70	355-360
71	360-365	71	360-365
72	365-370	72	365-370
73	370-375	73	370-375
74	375-380	74	375-380
75	380-385	75	380-385
76	385-390	76	385-390
77	390-395	77	390-395
78	395-400	78	395-400
79	400-405	79	400-405
80	405-410	80	405-410
81	410-415	81	410-415
82	415-420	82	415-420
83	420-425	83	420-425
84	425-430	84	425-430
85			

REF. NO. = 3907

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 3908

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3908 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., HB-4 (1975) Y. NAKAJIMA, A. ASAMI, M. HIZUMOTO, T. FUKETA, H. TAKEKOSHI (JAERI) LINAC NEUTRON SOURCE.	92-U -238	2.09-05 4.66-03	352	RES. PARAM.
3909 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., HB-22 (1975) N. YAMAMURO, T. DOI, T. HAYASE, Y. FUJITA, K. KOBAYASHI, R. C. BLOCK (TOKYO INST. TECH.) LINAC NEUTRON SOURCE.	41-NB-93 47-AG-NAT 53-I -127 67-HO-165 79-AU-197 92-U -238	2.37-02 2.37-02 2.37-02 2.37-02 2.37-02 2.37-02 2.37-02 2.37-02 2.37-02 2.37-02 2.37-02 2.37-02	1 N.O 1 N.O 1 N.O 1 N.O 1 N.O 1 N.O	
3910 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., HB-25 (1975) J. MC DONALD, N. G. SJOSTRAND (CHALMERS U. OF TECH.) CRYSTAL MONOCHROMATOR NEUTRON SOURCE.	28-NI-59 28-NI-59 28-NI-59 28-NI-61	2.53-08 2.53-08 2.53-08 2.53-08 2.90-08 4.21-08 2.53-08 2.53-08	1 N.P 1 N.A 3 N.A 1 N.A	C/S RATIO
3911 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., IB-11 (1975) J. SGAUD, Y. PATIN, M. T. MC ELLISTREM, G. HAOUAT, J. LACHKAR (BRUYERE LE CHATEL)	34-SE-76 34-SE-78 34-SE-80 34-SE-82	2.00+00 4.10+00 2.50+00 4.10+00 2.00+00 4.10+00 2.50+00 4.10+00	310 N.N' 251 N.N' 240 N.N' 154 N.N'	D(A) D(A) D(A) D(A)
3912 J. INDRG. NUCLEAR CHEM. 32, 3441 (1970) H. R. VON GUNTEN, K. F. FLYNN, A. SCHMID (MUELENLINGEN) SWIMMING-POOL REACTOR NEUTRON SOURCE.	90-TH-227	2.53-08 2.53-08	1	N. FISS
3913 J. INDRG. NUCLEAR CHEM. 33, 1221 (1971) H. BLASER, A. WITTENBACH, P. BAERTSCH (MUELENLINGEN) SWIMMING-POOL REACTOR NEUTRON SOURCE.	8-O -18	2.53-08 2.53-08	1	N.O
3914 NUOVO CIMENTO A, 2, 109 (1971) A. FUBINI, M. POPA, D. PROSPERI, F. TERRASI (CASACCIA, ROME) REACTOR NEUTRON SOURCE. ALSO SEE NUOVO CIMENTO LETTERS 2, 992 (1971) NUOVO CIMENTO A, 8, 748 (1972) CNEN-PT/FI-47 (1974)	17-CL-35	2.53-08 2.53-08	169	N.XO D(E)
3915 NUOVO CIMENTO A, 8, 748 (1972) A. FUBINI, D. PROSPERI, F. TERRASI, I. VATA (CASACCIA, ROME) REACTOR NEUTRON SOURCE. ALSO SEE PROC. INT. SYMP. NEUT. CAPT. GAMMA-RAY SPECTROSCOPY, STODSVIK (1969) IN LIEU OF ABOVE TITLE SEE NEUTRON CAPTURE, GAMMA-RAY SPECTROSCOPY, STODSVIK, 317 (1969) PUBLISHED BY IAEA AS STI/PUB/235 (1970)	71-LU-175	2.53-08 2.53-08	53	N.XO D(E)
3916 NUOVO CIMENTO LETTERS 2, 992 (1971) A. FUBINI, F. TERRASI, I. VATA (CASACCIA, ROME) REACTOR NEUTRON SOURCE.	81-TL-203	2.53-08 2.53-08	20	N.XG D(E)
3917 NUOVO CIMENTO LETTERS 4, 1003 (1972) A. FUBINI, D. PROSPERI	71-LU-176	2.53-08 2.53-08	45	N.XO D(E)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-520 ***

REF. NO. = 3917

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3917

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3917 CASACCIA, ROME)
REACTOR NEUTRON SOURCE.

3918 NUOVO CIMENTO 75 4, 430 (1972) A.FUBINI (CASACCIA, ROME) 57-LA-139 2.53-08 2.53-08 54 N,XG DIE)

3919 THESIS. (1973) H.L. RIEN (SACLAY)
LINAC NEUTRON SOURCE. ALSO SEE
NUCLEAR DATA FOR REACTORS. HELSINKI, 1, 401/495/513 (1970)
PHYS. AND CHEM. OF FISSION. IAEA. VIENNA, 912 (1969)
CEA-N-1564 (1972)

3920 NUCLEAR SCIENCE AND ENGINEERING 54, 116 (1974) S.NIZAMUDDIN,
J.BLOIS (SACLAY)
LINAC NEUTRON SOURCE.

3921 PARIS-SUD, ORSAY, UNIVERSITY OF, THESIS (1973) S.PLATTARD
(SACLAY)
SEE REF. 1498 FOR RELATED WORK AND RELATED REFERENCES,
ELECTRON LINAC NEUTRON SOURCE.

3922 AERE-R-6761 (1971) M.J.CABELL, M.WILKINS (HARWELL)
SPECTRUM-AVERAGED AND MAXWELLIAN VALUES ARE GIVEN.

3923 AERE-R-7425 (1973) N.J.PATTENDEN, I.T.BELCHER, I.M.BLAIR,
P.H.BONEN, G.C.COX, P.E.DOLLEY, W.R.MC MURRAY (HARWELL)
SYNCHROCYCLOTRON NEUTRON SOURCE.

3924 AERE-PR/NP-18 PAGE 23 (1972) B.W.THOMAS, H.P.AXMAHN,
P.RIEHS, E.R.RAE (HARWELL)
ELECTRON LINAC NEUTRON SOURCE.

3925 NUCLEAR PHYS. 177, 393 (1971) R.E.VAN DE VYVER, N.J.PATTENDEN
(HARWELL)
ELECTRON LINAC NEUTRON SOURCE.

3926 AWRC-O-66/71 (1971) R.E.COLES (ALDERMASTON)
VAN DE GRAAFF NEUTRON SOURCE.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-521 ***

REF.NO.=3926

07/04/76

ECCL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3927

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3927 NUCLEAR PHYS. 182, 428 (1972) F.MERCEZ, R.BOUCHER (GRENOBLE) (D,T) NEUTRON SOURCE.	3-LI-6 3-LI-6	1.40+01 1.40+01 1.40+01 1.40+01	2 N.P. 16 N.P.	D(A)
3928 AERE-O-89/70 (1970) R.E.COLES, D.PORTER VAN DE GRAAFF NEUTRON SOURCE.	42-MO-NAT 42-MO-NAT 42-MO-NAT 42-MO-NAT 42-MO-NAT 42-MO-NAT	1.50+00 5.00+00 1.50+00 5.00+00 1.50+00 5.00+00 1.00+00 5.00+00 1.50+00 5.00+00 2.50+00 5.00+00	8 TOTAL 8 ELASTIC 8 N.N' 134 N.N' 80 ELASTIC D(A) 6 NUCLEAR TEMP.	
3929 J. INORG. NUCLEAR CHEM. 31, 1229 (1969) M.J.CABELL, M.WILKINS (HARWELL) REACTOR NEUTRON SOURCE.	79-AU-198	2.53-08 2.53-08	1 N.O	
3930 J. INORG. NUCLEAR CHEM. 32, 3433 (1970) M.J.CABELL (HARWELL) REACTOR NEUTRON SOURCE.	61-PM-147	2.53-08 2.53-08	1 N.O	SPECT.AV.
3931 J. INORG. NUCLEAR CHEM. 33, 3972 (1971) M.J.CABELL, M.WILKINS (HARWELL) REACTOR NEUTRON SOURCE.	92-U -233	2.53-08 2.53-08	1 N.O	
3932 J. NUCLEAR ENERGY 23, 625 (1969) M.G.SILK, B.O.WADE (HARWELL) REACTOR NEUTRON SOURCE.	1-H -2 D2O	2.53-08 2.53-08 2.53-08 2.53-08	1 ABSORP 1 ABSORP	
3933 J. NUCLEAR ENERGY 24, 269 (1970) B.H.PATRICK, M.G.SOWERBY, M.G.SCHOMBERG (HARWELL) LINAC NEUTRON SOURCE.	92-U -235 92-U -235	1.00-02 2.99-02 2.05-02 2.45-02	239 N.FISS 5 N.FISS	SPECT.AV.
3934 J. NUCLEAR ENERGY 24, 323 (1970) M.G.SOWERBY, B.H.PATRICK, C.A.UTTLEY, K.M.D.MENT (HARWELL) LINAC NEUTRON SOURCE.	3-LI-6	1.00-05 7.40-02	86 N.A	C/S RATIO
3935 J. NUCLEAR ENERGY 24, 85 (1970) A.ASAM, M.C.MOXON (HARWELL) LINAC NEUTRON SOURCE.	5-B -10	4.70-04 1.27-01	30 SCATTER	
3936 J. PHYS. A: MATH. AND GEN. 5, 1090 (1972) J.D.KELLIE, M.N.ISLAM, D.B.C.B.SYME, L.I.CRAWFORD (GLASGOW) ELECTRON LINAC NEUTRON SOURCE.	15-P -31	7.00-01 9.01+00	558 TOTAL	
3937 AERE-R-6074 (1969) M.C.MOXON (HARWELL) ELECTRON LINAC NEUTRON SOURCE.	92-U -238	1.50-03 9.50-02	18 N.O	SPECT.AV.
3938 NUCLEAR PHYS. 146, 417 (1970) J.A.COOKSON, J.G.LOCKE (ALDERMASTON) TANDEM ACCELERATOR NEUTRON SOURCE.	5-B -10 5-B -10 5-B -10 5-B -10 5-B -10 5-B -10 5-B -10 5-B -10 5-B -11 5-B -11 5-B -11	9.72+00 9.72+00 9.72+00 9.72+00 9.72+00 9.72+00 9.72+00 9.72+00 9.72+00 9.72+00 9.72+00 9.72+00 9.72+00 9.72+00 9.72+00 9.72+00 9.72+00 9.72+00 9.72+00 9.72+00	1 TOTAL 1 ELASTIC 1 N.N' 5 N.N' 9 ELASTIC D(A) 11 N.N' D(A) 25 N.N' D(A) 1 TOTAL 1 ELASTIC 1 N.N'	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-522 ***

REF.NO.=3938

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. #3938

REF BIBLIOGRAPHY

3938

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
5-B -11	9.72+00 9.72+00	3	N,N'
5-B -11	9.72+00 9.72+00	1	N,N'
5-B -11	9.72+00 9.72+00	9	ELASTIC D(A)
5-B -11	9.72+00 9.72+00	27	N,N' D(A)
5-B -11	9.72+00 9.72+00	5	N,N' D(A)

3939 NUCLEAR PHYS. 186, 65 (1972) M.FORMANN, W.SCHMIDT,
V.SCHROEDER, W.SCOBEL (HAMBURG)
COCKCROFT-WALTON (D,T) NEUTRON SOURCE.

29-CU-63	1.42+01 1.42+01	1	N,A
29-CU-63	1.42+01 1.42+01	6	N,A D(A)
41-NB-93	1.42+01 1.42+01	1	N,A
41-NB-93	1.42+01 1.42+01	6	N,A D(A)
45-RH-103	1.42+01 1.42+01	1	N,A
45-RH-103	1.42+01 1.42+01	6	N,A D(A)
47-AG-107	1.42+01 1.42+01	1	N,A
47-AG-107	1.42+01 1.42+01	3	N,A D(A)
55-CS-133	1.42+01 1.42+01	1	N,A
55-CS-133	1.42+01 1.42+01	6	N,A D(A)

3940 AERE-R-6901 (1971) J.E.LYNN, G.D.JAMES, L.G.EARWAKER
(HARWELL)
VAN DE GRAAFF NEUTRON SOURCE.
ALSO SEE
NUCLEAR PHYS. 189, 225 (1972)

90-TH-230	6.25+01 1.40+00	50	N,FISS
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3941 NUCLEAR SCIENCE AND ENGINEERING 55, 158 (1974) J.LACHKAR,
J.SIGAUD, Y.PATIN, G.HAUAT (BRUYERES LE CHATEL)
VAN DE GRAAFF NEUTRON SOURCE. THE DATA LISTED AS UNRESOLVED
PHOTON EXCITATIONS ARE A MIXTURE OF SINGLE LINES AND VERY
NARROW UNRESOLVED ENERGY INTERVALS (A FEW KEV).

26-FE-56	2.50+00 1.41+01	291	N,N' D(A)
26-FE-56	6.30+00 7.30+00	153	N,XG D(F)

3942 Z. PHYSIK 258, 285 (1973) M.BORMANN, D.KAACK, V.SCHROEDER,
W.SCOBEL, L.WILDE (HAMBURG)
COCKCROFT-WALTON (D,T) NEUTRON SOURCE.

5-B -11	1.41+01 1.41+01	2	N,A
5-B -11	1.41+01 1.41+01	14	N,A D(A)
7-N -14	1.41+01 1.41+01	2	N,A
7-N -14	1.41+01 1.41+01	18	N,A D(A)
8-O -16	1.41+01 1.41+01	1	N,A
8-O -16	1.41+01 1.41+01	9	N,A D(A)
8-O -16	1.41+01 1.41+01	1	N,A D(A)

3943 CHEMICAL NUCL. DATA MEAS. APPL. CANTERBURY, 161 (1971)
M.J.CABELL, M.WILKINS (HARWELL)
REACTOR NEUTRON SOURCE.

92-U -232	2.53+08 2.53+08	1	ABSORP
92-U -232	2.53+08 2.53+08	1	N,FISS
92-U -232	2.53+08 2.53+08	1	N,G
92-U -232	2.53+08 2.53+08	1	ALPHA

3944 PROC. CONF. ON NEUTRON PHYS. KIEV, 3, 187 (1973) J.LACHKAR,
Y.PATIN, J.SIGAUD (BRUYERES LE CHATEL)
TANDEM VAN DE GRAAFF NEUTRON SOURCE.

11-NA-23	6.30+00 8.80+00	254	N,N' D(A)
28-NI-58	8.30+00 8.80+00	39	N,N' D(A)
28-NI-60	8.30+00 8.80+00	46	N,N' D(A)

3945 CEA-R-4524 (1973) J.CABE, M.CANCE (BRUYERES LE CHATEL)
THIS REPORT SUMMARIZES TEN YEARS OF WORK AT BRUYERES LE
CHATEL, ALSO SEE REFS. 3796, 3797, AND 3798 FOR PART OF THESE
DATA, AND SEE REFS. 455 AND 971 FOR OTHER DATA BY THIS GROUP.

6-C -NAT	1.60+01 1.17+00	21	TOTAL
14-SI -NAT	1.20+00 4.95+00	789	TOTAL
16-S -NAT	1.18+00 4.95+00	737	TOTAL
22-TI -NAT	1.49+01 4.03+00	1008	TOTAL
26-NI -NAT	9.70+02 1.20+00	295	TOTAL
92-U -235	1.07+01 5.99+00	388	TOTAL

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-523 ***

REF. NO. #3945

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3945

REF BIBLIOGRAPHY

3945

TARGET EN. RANGE (MEV) PTS DESCRIPTION

92-U -238 1.12-01 1.20+00 303 TOTAL
 94-PU-239 1.60-01 5.99+00 148 TOTAL

3946 J. PHYS. RADIUM C. 31, 217 (1970) A.ADM, J.CABE, M.CANCE,
 M.LARAT, H.LAURAT, M.BEAUFOR (BRUYERES LE CHATEL)
 VAN DE GRAAFF NEUTRON SOURCE.

22-TI-NAT 5.90-01 1.11+00 131 ELASTIC D(A)

3947 USNDC-9 PAGE 114 (1973) G.E.HANSEN, D.M.BARTON, G.A.JARVIS,
 P.G.KOONTZ, R.K.SMITH (LASL)
 VAN DE GRAAFF NEUTRON SOURCE.

92-U -235 1.00+00 6.00+00 41 N.FISS
 92-U -235 1.00+00 6.00+00 41 N.FISS C/S RATIO

3948 TRANS. AM. NUCLEAR SOC. 19, 396 (1974) A.E.EVANS, L.V.EAST
 (LASL)
 EQUILIBRIUM ENERGY SPECTRUM OF THE DELAYED NEUTRONS FROM
 THE FAST FISSION OF U235.

92-U -235 0. 0. 1300 N.FISS D(E)

3949 TRANS. AM. NUCLEAR SOC. 21, 503 (1975) J.D.ROBERTSON,
 M.C.DAVIS, J.C.ENGDAHL, O.F.KNOLL (U.OF MICHIGAN)
 SODIUM-DEUTERIUM PHOTONEUTRON SOURCE.

92-U -235 2.65-01 2.65-01 1 N.FISS

3950 TRANS. AM. NUCLEAR SOC. 22, 663 (1975) M.C.DAVIS,
 J.D.ROBERTSON, J.C.ENGDAHL, O.F.KNOLL (U.OF MICHIGAN)
 PHOTONEUTRON SOURCES.

94-FU-239 1.40-01 9.64-01 3 N.FISS

3951 UCRL-77377 (1975) J.B.CZIRR, G.S.SIDHU (LLL)
 ELECTRON LINAC NEUTRON SOURCE.

92-U -235 1.50-04 6.65-01 40 N.FISS
 92-U -235 1.50-04 9.50-01 43 N.FISS C/S RATIO

3952 NUCLEAR SCIENCE AND ENGINEERING 58, 371 (1975) J.B.CZIRR,
 G.S.SIDHU (LLL)
 ELECTRON LINAC NEUTRON SOURCE.

92-U -235 7.54-01 4.12+00 27 N.FISS

3953 UCID-16981 (1975) O.W.CARLSON, J.W.BEHRENS (LLL)
 ELECTRON LINAC NEUTRON SOURCE.

94-PU-239 1.01-01 2.95+01 165 N.FISS C/S RATIO

3954 UCRL-51925 (1975) J.W.BEHRENS, G.W.CARLSON (LLL)
 ELECTRON LINAC NEUTRON SOURCE.

94-PU-241 1.24-02 3.43+01 166 N.FISS C/S RATIO

3955 PRIVATE COMMUNICATION (1976) R.E.CHRIEN, H.I.LIOU (BNL)
 REACTOR NEUTRON SOURCE.

92-U -238 6.67-06 1.16-04 7 POT.SCT
 92-U -238 6.67-06 1.16-04 22 RES.PARAM.

3956 PRIVATE COMMUNICATION (1976) W.P.POENITZ (ANL)
 PRELIMINARY DATA.

3-LI-6 6.50-02 5.45-01 28 N.T
 92-U -235 6.50-02 5.45-01 28 N.FISS C/S RATIO

3957 NUCLEAR PHYS. 180, 587 (1972) A.ADM, D.HORVATH, A.KISS,
 E.MAYR (BUDAPEST)
 (D,T) NEUTRON SOURCE.

9-F -19 1.47+01 1.47+01 1 N.2N
 19-K -41 1.47+01 1.47+01 1 N.2N
 37-RB-85 1.47+01 1.47+01 1 N.N'
 42-MO-92 1.47+01 1.47+01 1 N.N'

3958 IA-1190 PAGE 95 (1969) A.NOTA (SOREQ, ISREAL)
 DELAYED NEUTRON MEASUREMENTS.

90-TH-232 1.40+01 1.40+01 1 NU-DLAY C/S RATIO
 92-U -233 2.53-08 2.53-08 1 NU-DLAY C/S RATIO
 92-U -238 1.40+01 1.40+01 1 NU-DLAY C/S RATIO
 94-FU-239 2.53-08 2.53-08 1 NU-DLAY C/S RATIO

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-524 ***

REF.NO.=3958

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3959

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3959 INDC(ARG)-7 (1973) M.D.RICABARRA, R.TURJANSKI, G.H.RICABARRA (BUENOS AIRES) THE RELATIVE DATA ARE NORMALIZED TO THE THERMAL CAPTURE CROSS SECTION.	60-ND-146 60-ND-146 60-ND-148 60-ND-148 60-ND-150	6.00-07 1.50+01 6.00-07 1.50+01 6.00-07 1.50+01 6.00-07 1.50+01 6.00-07 1.50+01	1 N,G 1 N,G 1 N,G 1 N,G 1 N,G	RES.INT. RES.INT. RES.INT. RES.INT. RES.INT.
3960 CHINESE J. PHYS. 10, 69 (1972) S.-Y.LIN, Y.-C.HSU, M.-C.CHOU, C.-Y.HUANG, J.-L.HWANG, Y.-C.HSU (TAIWAN U.)	8-O -17 10-NE-26	1.41+01 1.41+01 1.41+01 1.41+01	1 NUCLEAR TEMP. 1 N,A	
3961 NUCLEAR SCIENCE AND APPLICATIONS B, 5, 23 (1969) M.HUSSAIN, E.ISLAM, N.AMEEN, MD. MUSA (Dacca U.) VAN DE GRAFF NEUTRON SOURCE. AECD/EP-18 (1970)	26-FE-NAT	1.00+00 2.02+00	39 TOTAL	
3962 NUCLEAR SCIENCE APPLICATIONS B, 5, 44 (1969) M.HUSSAIN, A.M.SHAHABUDDIN, P.H.VUISTER, N.ISLAM, M.I.MOLLA (Dacca U.) VAN DE GRAFF NEUTRON SOURCE. AECD/EP-18 (1970)	10-S -NAT	5.30-02 1.53-01	7 TOTAL	
3963 LNS-4-72 (1972) E.MOLUB, R.CAPLAR, P.KULISIC, N.CINDRO, J.VULETIN (ZAGREB) COCKROFT-WALTON (D,T) NEUTRON SOURCE.	11-NA-23 13-AL-27 17-CL-37 19-K -41 22-TI-50 23-V -51 25-MN-55 33-AS-75 53-I -127 56-BA-138 57-LA-139 59-PR-141 68-ER-170	1.44+01 1.44+01	1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G 1 N,G	
3964 PHYS. REV. C, 6, 315 (1972) D.MAOR ZELLERHAYER, B.ROSNER (TECHNION, HAIFA)	77-IR-191 79-AU-197	1.40+01 1.40+01 1.40+01 1.40+01	1 N,2N 2 N,2N	C/S RATIO C/S RATIO
3965 PHYS. REV. C, 6, 572 (1972) A.LAKSHMANA RAO, J.RAMA RAO (WALT AIR, INDIA) SN-PB PHOTONEUTRON SOURCE.	32-GE-74 32-GE-74 34-SE-80 34-SE-80 35-BR-79 35-BR-79 37-RB-85 37-RB-85 45-RH-103 45-RH-103 51-SB-121 51-SB-121 63-EU-151 63-EU-151 65-DY-164 65-DY-164	2.50-02 2.50-02	2 N,G 1 N,G 2 N,G 1 N,G 2 N,G 1 N,G 2 N,G 1 N,G 2 N,G 1 N,G 2 N,G 1 N,G 2 N,G 1 N,G 2 N,G 1 N,G	C/S RATIO C/S RATIO C/S RATIO C/S RATIO C/S RATIO C/S RATIO C/S RATIO C/S RATIO C/S RATIO C/S RATIO C/S RATIO C/S RATIO C/S RATIO C/S RATIO C/S RATIO

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-525 ***

REF.NO.=3965

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3966

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

3966 NUCLEAR SCIENCE AND ENGINEERING 46, 148 (1971) M.ENAYETULLAH, N.AMEEN, N.ISLAM, M.HUSSAIN, S.HUSAIN, E.ISLAM (Dacca U.)
VAN DE GRAAFF NEUTRON SOURCE.
J. NUCLEAR ENERGY 27, 123 (1973)
AEC/EP-18 (1970)
AEC/MISC-2 PAGE 14 (1969)

3967 J. NUCLEAR ENERGY 27, 43 (1973) M. FARDOOQUE, M.ENAYETULLAH, P.DAS (Dacca U.)
VAN DE GRAAFF NEUTRON SOURCE.
AEC/EP-18 (1970)

3968 J. NUCLEAR ENERGY 24, 385 (1970) M.HUSSAIN, S.HUSAIN, E.ISLAM, N.AMEEN, M.ENAYETULLAH, N.ISLAM (Dacca U.)
VAN DE GRAAFF NEUTRON SOURCE.

3969 NUCLEAR PHYS. SOLID STATE PHYS. SYMP. MADURAI, 2, 19 (1970)
A.LAKSHMANA RAO, K.PARTHASARADHI, J.RAMA RAO (WALT AIR, INDIA)
SB-BE PHOTONEUTRON SOURCE.

3970 NUCLEAR PHYS. SOLID STATE PHYS. SYMP. MADURAI, 2, 25 (1970)
B.V.THIRUMALA RAO, J.RAMA RAO, E.KONDAIAH (WALT AIR, INDIA)
SB-BE PHOTONEUTRON SOURCE.

3971 NUCLEAR PHYS. SOLID STATE PHYS. SYMP. MADURAI, 2, 29 (1970)
M.SRIRAMA CHANDRA MURTY, K.SIDDAPPA, J.RAMA RAO (WALT AIR, INDIA)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-526 ***

REF.NO.=3971

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3971

REF BIBLIOGRAPHY

3971 SB-BE PHOTONEUTRON SOURCE.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
52-TE-122	2.50-02 2.50-02	1	N.G
65-TB-159	2.50-02 2.50-02	1	N.G
69-TM-169	2.50-02 2.50-02	1	N.G
70-YB-168	2.50-02 2.50-02	1	N.G
70-YB-174	2.50-02 2.50-02	1	N.G
70-YB-176	2.50-02 2.50-02	1	N.G
72-HF-178	2.50-02 2.50-02	1	N.G
72-HF-179	2.50-02 2.50-02	1	N.G
76-OS-192	2.50-02 2.50-02	1	N.G
77-IR-191	2.50-02 2.50-02	1	N.G

3972 NUCLEAR PHYS. 205, 614 (1973) J.ALAM, M.L.SENGAL (ALIGARH)
REACTOR NEUTRON SOURCE.

72-HF-180	2.5-08 2.53-08	1	N.A	C/S RATIO
82-PB-208	2.53-08 2.53-08	1	N.A	C/S RATIO
83-BI-209	2.53-08 2.53-08	1	N.A	C/S RATIO

3973 ZFK-243 PAGE 30 (1972) TRAN UNG, H.POSE, K.SEIDEL
(TECH. U., DRESDEN)
(D,D) NEUTRON SOURCE.

14-SI-NAT	3.10+00 3.10+00	1	TOTAL
24-CR-NAT	3.10+00 3.10+00	1	TOTAL

3974 KERNENERGIE 8, 499 (1965) S.NIESE (ROSSENDORF)
FISSION NEUTRON SPECTRUM.
ZFK-RCH-3 PAGE 23 (1965)

17-CL-35	1.50+00 1.50+00	1	N.A	SPECT.AV.
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3975 KERNENERGIE 7, 105 (1964) S.NIESE (ROSSENDORF)
FISSION NEUTRON SPECTRUM.
ZFK-RCH-3 PAGE 23 (1965)

14-SI-30	1.50+00 1.50+00	1	N.A	SPECT.AV.
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3976 KERNENERGIE 6, 37 (1963) S.NIESE, P.MORZEK, C.MEROLD
(ROSSENDORF)
FISSION NEUTRON SPECTRUM.
ZFK-RCH 3 PAGE 23 (1963)

22-TI-46	1.50+00 1.50+00	1	N.P	SPECT.AV.
22-TI-47	1.50+00 1.50+00	1	N.P	SPECT.AV.
22-TI-48	1.50+00 1.50+00	1	N.P	SPECT.AV.
32-GE-72	1.50+00 1.50+00	1	N.A	SPECT.AV.
32-DE-74	1.50+00 1.50+00	1	N.A	SPECT.AV.

3977 KERNENERGIE 7, 263 (1964) S.NIESE (ROSSENDORF)
FISSION NEUTRON SPECTRUM.
ZFK-RCH-3 PAGE 23 (1965)

31-GA-71	1.50+00 1.50+00	1	N,N'A	SPECT.AV.
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3978 ZFK-RCH-3 PAGE 23 (1965) S.NIESE (ROSSENDORF)
FISSION NEUTRON SPECTRUM.

29-CU-63	1.50+00 1.50+00	1	N.A	SPECT.AV.
29-CU-65	1.50+00 1.50+00	1	N,N'A	SPECT.AV.
30-ZN-67	1.50+00 1.50+00	1	N.P	SPECT.AV.

3979 KERNENERGIE 6, 45 (1963) W.LEONHARDT (ROSSENDORF)
FISSION NEUTRON SPECTRUM.

9-F-19	1.50+00 1.50+00	1	N,2N	SPECT.AV.
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3980 KERNENERGIE 6, 177 (1963) K.WAGNER, H.POSER (ROSSENDORF)
FISSION NEUTRON SPECTRUM.
AEC-TR-6187 (1963)

27-CO-59	1.50+00 1.50+00	1	N.P	SPECT.AV.
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3981 KERNENERGIE 5, 790 (1962) K.WAGNER (ROSSENDORF)
FISSION NEUTRON SPECTRUM. THERMAL NEUTRON SPECTRUM.

11-NA-23	1.50+00 1.50+00	1	N,2N	SPECT.AV.
11-NA-23	2.53-08 2.53-08	1	N.G	SPECT.AV.
12-MG-24	1.50+00 1.50+00	1	N.P	SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-527 ***

REF.NO.=3981

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3982

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3982 KERNENERGIE 4, 293 (1961) R.MUENZE, K.JANTSCH, O.HLADIK (ROSSENDORF) FISSION NEUTRON SPECTRUM.	21-SC-45	1.50+00 1.50+00	1 N,P	SPECT.AV.
3983 ZFK-215 (1971) P.GIPPNER, H.JAEGER, W.RUDOLPH (ROSSENDORF) THERMAL NEUTRON SOURCE.	28-NI-58	2.53-08 2.53-08	28 N,G	SPECT.AV.
	28-NI-50	2.53-08 2.53-08	31 N,G	SPECT.AV.
	28-NI-60	2.53-08 2.53-08	1 N,G	SPECT.AV.
	28-NI-62	2.53-08 2.53-08	16 N,G	SPECT.AV.
	28-NI-64	2.53-08 2.53-08	8 N,G	SPECT.AV.
	28-NI-64	2.53-08 2.53-08	1 N,G	SPECT.AV.
	28-NI-64	2.53-08 2.53-08	8 N,G	SPECT.AV.
3984 PROC. INDIAN ACAD. SCIENCE A, 56, 141 (1962) K.P.GOPINATHAN (TATA INST.) FISSION NEUTRON SPECTRUM.	42-MO-92	1.50+00 1.50+00	1 N,P	SPECT.AV.
	42-MO-95	1.50+00 1.50+00	1 N,P	SPECT.AV.
	42-MO-98	1.50+00 1.50+00	1 N,P	SPECT.AV.
3985 INR-1464 PAGE 1 (1973) L.GLOWACKA, M.JASKOLA, M.KOZŁOWSKI, W.OSAKIEWICZ, J.TURKIEWICZ, L.ZEMLO (WARSAW) (D,T) NEUTRON SOURCE.	62-SM-147	1.81+01 1.81+01	1 N,A	D(A)
	62-SM-147	1.81+01 1.81+01	49 N,A	D(E,A)
	62-SM-149	1.81+01 1.81+01	1 N,A	D(A)
	62-SM-149	1.81+01 1.81+01	48 N,A	D(E,A)
	63-EU-151	1.81+01 1.81+01	1 N,A	D(A)
	63-EU-151	1.81+01 1.81+01	38 N,A	D(E,A)
	66-DY-161	1.81+01 1.81+01	1 N,A	D(A)
	66-DY-161	1.81+01 1.81+01	36 N,A	D(E,A)
	67-HO-165	1.81+01 1.81+01	1 N,A	D(A)
	67-HO-165	1.81+01 1.81+01	28 N,A	D(E,A)
3986 INR-1464 PAGE 9 (1973) W.AUGUSTYNIAK, A.MARCINKOWSKI (WARSAW) (D,T) NEUTRON SOURCE.	47-AG-107	1.30+01 1.78+01	10 N,N'	
	47-AG-107	1.30+01 1.78+01	9 N,2N	
	47-AG-109	1.30+01 1.78+01	9 N,N'	
	47-AG-109	1.30+01 1.78+01	10 N,2N	
	47-AG-109	1.30+01 1.65+01	8 N,P	
3987 INR-1464 PAGE 12 (1973) J.DRESLER, J.ARAMINOWICZ, U.GARUSKA (U.OF LODZ) (D,T) NEUTRON SOURCE.	12-MO-25	1.46+01 1.46+01	1 N,P	
	13-AL-27	1.46+01 1.46+01	1 N,P	
	14-SI-28	1.46+01 1.46+01	1 N,P	
	19-K-41	1.46+01 1.46+01	1 N,P	
	23-V-51	1.46+01 1.46+01	1 N,P	
	24-CR-52	1.46+01 1.46+01	1 N,P	
	27-CO-59	1.46+01 1.46+01	1 N,P	
	28-NI-58	1.46+01 1.46+01	1 N,P	
	29-CU-65	1.46+01 1.46+01	1 N,P	
	30-ZN-64	1.46+01 1.46+01	1 N,P	
	30-ZN-66	1.46+01 1.46+01	1 N,P	
	33-AS-75	1.46+01 1.46+01	1 N,P	
	38-SR-88	1.46+01 1.46+01	1 N,P	
3988 INR-1464 PAGE 14 (1973) J.ARAMINOWICZ, J.DRESLER (U.OF LODZ) (D,T) NEUTRON SOURCE.	7-N-14	1.46+01 1.46+01	1 N,2N	
	9-F-19	1.46+01 1.46+01	1 N,2N	
	11-NA-23	1.46+01 1.46+01	1 N,2N	
	15-P-31	1.46+01 1.46+01	1 N,2N	
	17-CL-35	1.46+01 1.46+01	1 N,2N	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-528 ***

REF.NO.=3988

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO. 43989

REF BIBLIOGRAPHY

3988

TARGET EN. RANGE (MEV) PTS DESCRIPTION

19-K-39	1.46+01	1.46+01	1	N,2N
22-TI-46	1.46+01	1.46+01	1	N,2N
24-CR-50	1.46+01	1.46+01	1	N,2N
24-CR-52	1.46+01	1.46+01	1	N,2N
25-MN-55	1.46+01	1.46+01	1	N,2N
26-FC-54	1.46+01	1.46+01	1	N,2N
27-CO-59	1.46+01	1.46+01	1	N,2N
28-NI-58	1.46+01	1.46+01	1	N,2N
29-CU-65	1.46+01	1.46+01	1	N,2N
30-ZN-64	1.46+01	1.46+01	1	N,2N
30-ZN-66	1.46+01	1.46+01	1	N,2N
31-GA-69	1.46+01	1.46+01	1	N,2N
32-GE-70	1.46+01	1.46+01	1	N,2N
32-GE-76	1.46+01	1.46+01	1	N,2N
33-AS-75	1.46+01	1.46+01	1	N,2N
35-BR-79	1.46+01	1.46+01	1	N,2N
37-RB-85	1.46+01	1.46+01	1	N,2N
37-RB-87	1.46+01	1.46+01	1	N,2N
38-SR-86	1.46+01	1.46+01	1	N,2N
39-Y-89	1.46+01	1.46+01	1	N,2N
40-ZR-90	1.46+01	1.46+01	1	N,2N
40-ZR-95	1.46+01	1.46+01	1	N,2N
42-MO-92	1.46+01	1.46+01	1	N,2N
42-MO-100	1.46+01	1.46+01	1	N,2N
46-PD-102	1.46+01	1.46+01	1	N,2N
47-AG-107	1.46+01	1.46+01	1	N,2N
49-IN-113	1.46+01	1.46+01	1	N,2N
50-SN-112	1.46+01	1.46+01	1	N,2N
51-SB-121	1.46+01	1.46+01	1	N,2N
51-SB-123	1.46+01	1.46+01	1	N,2N
52-TE-130	1.46+01	1.46+01	1	N,2N
53-I-127	1.46+01	1.46+01	1	N,2N
55-CS-133	1.46+01	1.46+01	1	N,2N
59-PR-141	1.46+01	1.46+01	1	N,2N
73-TA-180	1.46+01	1.46+01	1	N,2N
81-TL-203	1.46+01	1.46+01	1	N,2N
82-PB-204	1.46+01	1.46+01	1	N,2N

3989 ACTA PHYSICA ACAA. SCI. HUNGARICAE 33, 363 (1973) G.PETO,
J.CSIKAI, G.M.SHURLET, I.JOZSA, V.ASZTALOS (DEBRECEN)
PO-BE AND PU-BE NEUTRON SOURCES.

13-AL-27	4.50+00	4.50+00	1	N,P	SPECT.AV.
14-SI-28	4.50+00	4.50+00	1	N,P	SPECT.AV.
15-P-31	4.50+00	4.50+00	2	N,P	SPECT.AV.
34-SE-NAT	4.50+00	4.50+00	1	ACTIVAT	SPECT.AV.
35-BR-79	4.50+00	4.50+00	1	N,N'	SPECT.AV.
35-BR-79	4.50+00	4.50+00	1	N,G	SPECT.AV.
35-BR-79	4.50+00	4.50+00	1	N,G	SPECT.AV.
38-SR-NAT	4.50+00	4.50+00	1	ACTIVAT	SPECT.AV.
39-Y-89	4.50+00	4.50+00	1	N,N'	SPECT.AV.
48-CO-NAT	4.50+00	4.50+00	2	ACTIVAT	SPECT.AV.
49-IN-115	4.50+00	4.50+00	2	N,N'	SPECT.AV.
49-IN-115	4.50+00	4.50+00	1	N,G	SPECT.AV.
53-I-127	4.50+00	4.50+00	1	N,G	SPECT.AV.
56-BA-NAT	4.50+00	4.50+00	1	ACTIVAT	SPECT.AV.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-129 ***

REF.NO. 43989

07/04/76

ECS:L-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3989

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3989	56-BA-NAT	4.50+00 4.50+00	1	ACTIVAT SPECT.AV.
	79-AU-197	4.50+00 4.50+00	1	N,N' SPECT.AV.
	79-AU-197	4.50+00 4.50+00	2	N,G SPECT.AV.
	80-HG-NAT	4.50+00 4.50+00	1	ACTIVAT SPECT.AV.
3990 PEL-191 PAGE 43 (1969) N.COETZEE, E.BARNARD (PRETORIA) (P,T) AND (P,L17) NEUTRON SOURCES. INDC(SEC)-35 (1973)	37-RB-NAT	3.50-01 1.10+00	353	TOTAL
	55-CS-133	2.50-01 1.19+00	482	TOTAL
3991 PEL-191 PAGE 43 (1969) N.COETZEE, E.BARNARD (PRETORIA) (P,T) AND (P,L17) NEUTRON SOURCES. INDC(SEC)-35 (1973)	37-RB-NAT	1.30-01 1.10+00	18	ELASTIC
	37-RD-NAT	1.30-01 1.10+00	159	ELASTIC D(A)
	37-RB-85	2.5-01 1.25+00	95	N,N' D(A)
	37-RB-87	5.60-01 1.25+00	40	N,N' D(A)
	55-CS-133	1.20-01 1.10+00	19	ELASTIC
	55-CS-133	1.20-01 1.10+00	167	ELASTIC D(A)
	55-CS-133	2.40-01 1.25+00	133	N,N' D(A)
	55-CS-133	1.10+00 1.10+00	4	ELASTIC LEGEND.COEF
3992 ZFK-188 (1969) P.GIPPNER, H.CERSCH, W.RUDOLPH (ROSSENDORF) THERMAL NEUTRON SOURCE.	29-CU-63	2.53-08 2.53-08	66	N,G SPECT.AV.
	29-CU-65	2.53-08 2.53-08	53	N,G SPECT.AV.
3993 INDC(HUN)-11 PAGE 5 (1973) A.PAZSIT, G.PETO, J.CSIKAI, I.JOZSA, J.BACSO (DEBRECEN) ACTIVATION CROSS SECTIONS.	45-RH-103	2.70+00 1.48+01	2	N,N'
	45-RH-103	1.50+00 4.50+00	2	N,N' SPECT.AV.
3994 INDC(HUN)-11 PAGE 23 (1973) L.LAKOSI, A.VERES (BUDAPEST) (NA-24,BE) NEUTRON SOURCE.	25-MN-55	8.30-01 8.30-01	1	N,G SPECT.AV.
	47-AG-NAT	8.30-01 8.30-01	1	ACTIVAT SPECT.AV.
	48-CD-111	8.30-01 8.30-01	1	N,N' SPECT.AV.
	48-CD-114	8.30-01 8.30-01	1	N,G SPECT.AV.
	48-CD-116	8.30-01 8.30-01	1	N,G SPECT.AV.
	49-IN-115	8.30-01 8.30-01	1	N,N' SPECT.AV.
	49-IN-115	8.30-01 8.30-01	1	N,G SPECT.AV.
	53-I -127	8.30-01 8.30-01	1	N,G SPECT.AV.
	62-SH-152	8.30-01 8.30-01	1	N,G SPECT.AV.
	62-SH-154	8.30-01 8.30-01	1	N,G SPECT.AV.
	68-ER-170	8.30-01 8.30-01	1	N,G SPECT.AV.
	71-LU-NAT	8.30-01 8.30-01	1	ACTIVAT SPECT.AV.
	77-IR-191	8.30 01 8.30-01	1	N,G SPECT.AV.
	77-IR-193	8.30-01 8.30-01	1	N,G SPECT.AV.
3995 IFA-NR-41 (1972) I.M.MIHAILESCU, M.PETRASCU (BUCHAREST) TIME OF FLIGHT NEUTRON SOURCE.	92-U -235	1.72-08 1.52-07	80	N,FISS
3996 J. INORG. NUCLEAR CHEM. 37, 1583 (1975) T.BIRO, S.SUDAR, J.CSIKAI, Z.DEZSO (DEBRECEN) (D,') NEUTRON SOURCE. PROC. CONF. ON NEUTRON PHYS. KIEV, 3, 85 (1973)	4-BE-9	1.47+01 1.47+01	1	N,T
	5-B -NAT	1.47+01 1.47+01	1	N,T
	6-C -13	1.47+01 1.47+01	1	N,T
	13-AL-27	1.47+01 1.47+01	1	N,T
	19-K -NAT	1.47+01 1.47+01	1	N,T
	19-K -39	1.47+01 1.47+01	1	N,T
	22-TI-NAT	1.47+01 1.47+01	1	N,T
	26-FE-NAT	1.47+01 1.47+01	1	N,T
	27-CO-59	1.47+01 1.47+01	1	N,T

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=3996

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
3996	29-CU-NAT	1.47+01 1.47+01	1 N,T	
	30-ZN-NAT	1.47+01 1.47+01	1 N,T	
	45-RH-103	1.47+01 1.47+01	1 N,T	
3997 KFKI-73-59 (1973) J.KECSKEMETI, T. SZABO (BUDAPEST) (D,T) NEUTRON SOURCE.	1-H -2	1.41+01 1.41+01	4 N,2N	D(E,A)
3998 ROSSENJURF. UNIVERSITY OF. THESIS (1973) M.MOHSEN REACTOR NEUTRON SOURCE. ZFK-260 (1973)	68-ER-170	2.53-08 2.53-08	74 N,G	SPECT.AV.
	74-W -184	2.53-08 2.53-08	87 N,G	SPECT.AV.
	74-W -185	2.53-08 2.53-08	168 N,G	SPECT.AV.
3999 UJF-3303.F (1974) J.KVITEK, Z.KOSINA (PRAGUE) THERMAL NEUTRON SOURCE.	60-ND-143	2.53-08 2.53-08	5 N,A	SPECT.AV.
4000 ATOMKI KOZLEMEYEK 15, 161 (1973) I.URAY, A.SZALAY (DEBRECEN) (D,T) NEUTRON SOURCE. INDC(HUN)-11 PAGE 14 (1973)	78-PT-198	1.50+01 1.50+01	1 N,G	
	78-PT-198	1.50+01 1.50+01	1 N,G	
	78-PT-198	1.50+01 1.50+01	1 N,P	
	78-PT-198	1.50+01 1.50+01	1 N,G	C/S RATIO
4001 PRIVATE COMMUNICATION (1974) F.KROPFF, J.R.LATORRE, J.R.GRANADA, C.CASTRO MADERO (BARILOCHE) LINAC NEUTRON SOURCE.	D20	5.01-10 1.25-05	80 TOTAL	
4002 PRIVATE COMMUNICATION (1974) S.HLAVAC, J.KRISTIAK, P.OBLOZINSKY, I.TURZO (BRATISLAVA) (D,T) NEUTRON SOURCE.	12-MG-NAT	1.47+01 1.49+01	544 EMISS	D(E,A)
	14-SI-NAT	1.45+01 1.45+01	482 EMISS	D(E,A)
	16-S -NAT	1.45+01 1.47+01	362 EMISS	D(E,A)
	20-CA-NAT	1.45+01 1.45+01	350 EMISS	D(E,A)
	22-TI-NAT	1.43+01 1.47+01	500 EMISS	D(E,A)
	24-CR-NAT	1.43+01 1.47+01	552 EMISS	D(E,A)
	26-FE-NAT	1.46+01 1.49+01	428 EMISS	D(E,A)
	28-NI-NAT	1.46+01 1.49+01	426 EMISS	D(E,A)
	29-CU-NAT	1.47+01 1.49+01	426 EMISS	D(E,A)
	30-ZN-NAT	1.45+01 1.48+01	540 EMISS	D(E,A)
	30-ZN-70	1.47+01 1.47+01	1 N,2N	
	31-GA-NAT	1.45+01 1.45+01	459 EMISS	D(E,A)
	32-GE-76	1.47+01 1.47+01	1 N,2N	
	32-GE-76	1.47+01 1.47+01	1 N,2N	
	32-GE-76	1.47+01 1.47+01	1 N,2N	C/S RATIO
	34-SE-NAT	1.45+01 1.45+01	476 EMISS	D(E,A)
	35-BR-NAT	1.45+01 1.45+01	486 EMISS	D(E,A)
	40-ZR-NAT	1.45+01 1.45+01	373 EMISS	D(E,A)
	48-CO-NAT	1.45+01 1.45+01	470 EMISS	D(E,A)
	49-IN-NAT	1.45+01 1.45+01	467 EMISS	D(E,A)
	50-SN-NAT	1.45+01 1.45+01	465 EMISS	D(E,A)
	51-SB-NAT	1.46+01 1.49+01	554 EMISS	D(E,A)
	52-TE-126	1.47+01 1.47+01	1 N,P	
	52-TE-128	1.47+01 1.47+01	1 N,P	
	52-TE-130	1.47+01 1.47+01	1 N,2N	
	74-W -NAT	1.45+01 1.45+01	473 EMISS	D(E,A)
	78-PT-198	1.47+01 1.47+01	1 N,2N	
	78-PT-198	1.47+01 1.47+01	1 N,2N	
	78-PT-198	1.47+01 1.47+01	1 N,2N	C/S RATIO

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-531 ***

REF.NO.=4002

07/04/76

ECSIL-7601 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=4002

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
4002	80-HG-NAT	1.45+01 1.45+01	474	EMISS D(E,A)
	82-PB-NAT	1.45+01 1.45+01	472	EMISS D(E,A)
4003 PRIVATE COMMUNICATION (1975) P.KOVACS, L.URAY (DEBRECEN) (D,T) NEUTRON SOURCE.	76-OS-184	1.47+01 1.47+01	2	N,2N
	76-OS-184	1.47+01 1.47+01	1	N,P
	76-OS-186	1.47+01 1.47+01	1	N,2N
	76-OS-188	1.47+01 1.47+01	1	N,P
	76-OS-189	1.47+01 1.47+01	1	N,P
	76-OS-190	1.47+01 1.47+01	1	N,P
	76-OS-190	1.47+01 1.47+01	1	N,P
	76-OS-192	1.47+01 1.47+01	1	N,2N
	76-OS-192	1.4 +01 1.47+01	1	N,2N
	76-OS-192	1.47+01 1.47+01	1	N,G
	76-OS-192	1.47+01 1.47+01	1	N,A
4004 CURRENT SCIENCE 43, 739 (1974) K.SRIRAMA MURTHI, M.SRINIVASA RAO, D.L.SASTRY (WALTAP) THERMAL NEUTRON SOURCE.	59-PR-141	2.53-08 2.53-08	10	N,G SPECT.AV.
4005 CONF. ON NEUTRON C/S TECHNOLOGY. WASH.D.C., EB16 (1975) B.J.ALLEN, J.W.BOLDEMAN, M.J.KENNY, A.R.DEL MUSGROVE, HLA PE, R.L.MACKLIN (LUCAS HEIGHTS, N.S.W.)	13-AL-27	5.50-03 4.50-01	8	N,G SPECT.AV.
	13-AL-27	2.50-03 5.00-01	3	AV.RES.PARAM.
	14-S1-28	3.00-02 4.50-01	7	N,G SPECT.AV.
	14-S1-28	2.50-03 5.00-01	3	AV.RES.PARAM.
	20-CA-40	3.75-03 1.75-01	14	N,G SPECT.AV.
	20-CA-40	2.50-03 2.00-01	6	AV.RES.PARAM.
	24-CR-52	3.75-03 1.75-01	14	N,G SPECT.AV.
	24-CR-52	2.50-03 2.00-01	4	AV.RES.PARAM.
	40-ZR-90	3.75-03 1.25-01	13	N,G SPECT.AV.
	40-ZR-90	2.50-03 1.50-01	5	AV.RES.PARAM.
	56-BA-138	3.75-03 8.50-02	11	N,G SPECT.AV.
	56-BA-138	2.50-03 9.00-02	4	AV.RES.PARAM.
4006 BULL. BORIS KIDRIC INST. NUCL. SCI. NUCL.ENG. 22, 1 (1971) V.MARKOVIC, A.KOCIC (BELGRADE) REACTOR NEUTRON SOURCE.	29-CU-NAT	2.53-08 2.53-08	1	N,G SPECT.AV.
	29-CU-NAT	5.50-07 1.50+01	1	N,G RES.INT.
	73-TA-181	2.53-08 2.53-08	1	N,G SPECT.AV.
	73-TA-181	5.50-07 1.50+01	1	N,G RES.INT.
4008 INDIAN J. PHYS. CALCUTTA 44, 204 (1970) MANJUSHREE MAJUMDER (BOSE INST.) (D,T) NEUTRON SOURCE.	31-GA-71	1.48+01 1.48+01	1	N,G
	33-AS-75	1.48+01 1.48+01	1	N,G
	53-I -127	1.48+01 1.48+01	1	N,G
	56-BA-138	1.48+01 1.48+01	1	N,G
	59-PR-141	1.48+01 1.48+01	1	N,G
4009 NUCLEAR SCIENCE, TAIWAN, 11, 179 (1974) CHI-FONG AI, J.-C. CHOU (I.N.E.R., LUNG TAN) VAN DE GRAFF NEUTRON SOURCE.	6-C -NAT	1.00+00 4.83+00	55	TOTAL
	39-Y -89	1.00-03 4.83-03	34	TOTAL
	B3-B1-209	1.00+00 4.83+00	33	TOTAL
4010 INDIC(SEC)-42 PAGE 205 (1974) W.AUGUSTYNIAK, J.BIELEWICZ, M.HERMAN, A.MARCINKOWSKI (WARSAW) (D,T) NEUTRON SOURCE.	37-RB-85	1.33+01 1.55+01	5	N,P
	37-RB-85	1.33+01 1.55+01	5	N,A
	76-OS-190	1.30+01 1.60+01	7	N,N'
	76-OS-192	1.66+01 1.78+01	3	N,3N

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-532 ***

REF.NO.=4010

07/04/76

ECSIL-7500 BIBLIOGRAPHY (REF. NO. 4011)

REF. NO. = 4011

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
4011 ARCADE-192 (1974) C.A. EISSA, N.B. ROFAIL, A.A. EL-KADY, A.M. HASSAN, H.M. ABU-ZEID (CAIRO)	17-CL-35	2.53-08 2.53-08	16 N,XG	D(E)
4012 INP-1502 PAGE 11 (1975) H. AUGUSTYNIAK, M. HERMAN, A. MARCINKOWSKI (WARSAW)	48-CD-111	3.40+00 1.66+01	11 N,N'	
(D,D) AND (D,T) NEUTRON SOURCES.	48-CD-112	1.29+01 1.79+01	11 N,2N	
	48-CD-112	1.30+01 1.66+01	8 N,P	
4013 CONF. ON NEUTRON C/S TECHNOLOGY, WASH.D.C., P/187 (1975) D. REITHIANN, E. BARNARD, D.T.L. JONES, J.G. MALAN (PRETORIA)	45-RH-103	6.00-01 1.30+00	7 ELASTIC	
VAN DE GRAAFF NEUTRON SOURCE.	45-RH-103	5.50-01 1.50+00	99 N,N'	
BULL. AM. PHYS. SOC. 20, 171 (1975)	45-RH-103	5.50-01 1.50+00	10 N,N'	
	45-RH-103	6.00-01 1.30+00	62 ELASTIC D(A)	
4014 NUCLEAR INSTRUMENTS AND METHODS 115, 345 (1974) S. MUBARAKMAND, M. AHMAD, A. ANWAR, M.S. CHAUDRY (PAKISTAN)	6-C -NAT	1.70+00 1.43+01	12 TOTAL	
(D,T) NEUTRON SOURCE.	13-AL-27	1.70+00 1.43+01	12 TOTAL	
	92-U -238	1.70+00 1.43+01	12 TOTAL	
4015 PRIVATE COMMUNICATION (1975) F. PROFF MOFFENO, J.R. GRANADA, L.A. REMEZ, A. VASILE (BARILOCHE)	24-CR-NAT	1.25-10 2.84-05	280 TOTAL	
LINAC NEUTRON SOURCE.	24-CR-NAT	2.53-08 2.53-08	1 N,G	
4016 ZFK-271 PAGE 112 (1974) J. TURKIEWICZ (WARSAW)	15-P -31	1.30+01 1.78+01	10 N,A	
VAN DE GRAAFF NEUTRON SOURCE.	25-MN-55	1.30+01 1.78+01	10 N,A	
	27-CO-59	1.30+01 1.78+01	10 N,A	
	33-AS-75	1.30+01 1.78+01	10 N,A	
	41-NB-93	1.30+01 1.78+01	10 N,A	
4017 NUCLEAR DATA FOR REACTOR COMPUTATIONS. DUBNA, ACC-68/17 (1968) V.V. FILIPPOV, M.N. NIKOLAEV (OBNINSK)	4-BE-9	7.00-02 5.55+00	14 TOTAL	
(P,T) AND (D,D) NEUTRON SOURCES.	12-MG-NAT	6.00-01 3.15+00	11 TOTAL	
ICD-3 PAGE 93 (1966)	13-AL-27	3.60-02 2.32+00	26 TOTAL	
	14-SI-NAT	6.00-01 1.70+00	5 TOTAL	
	16-S -NAT	8.20-01 3.55+00	11 TOTAL	
	22-TI-NAT	9.00-02 3.28+00	27 TOTAL	
	23-V -NAT	7.00-02 2.05+00	13 TOTAL	
	24-CR-NAT	5.94-01 3.12+00	13 TOTAL	
	26-FE-NAT	9.00-02 5.00+00	19 TOTAL	
	28-NI-NAT	1.26-01 2.35+00	13 TOTAL	
	29-CU-NAT	3.20-02 1.43+00	14 TOTAL	
	30-ZN-NAT	5.00-02 2.80+01	7 TOTAL	
	31-GA-NAT	9.10-02 4.06+01	8 TOTAL	
	40-ZR-NAT	7.00-02 4.50+01	9 TOTAL	
	41-NB-93	2.50-02 5.00+01	12 TOTAL	
	42-MO-NAT	4.40-02 3.40+01	5 TOTAL	
	48-CD-NAT	4.00-02 2.40+01	5 TOTAL	
	74-W -NAT	2.50-02 9.00+02	5 TOTAL	
	82-PB-NAT	4.60-01 2.99+00	11 TOTAL	
	92-U -NAT	1.00-02 2.95+01	14 TOTAL	
	92-U -232	2.00-02 3.50+01	8 TOTAL	
4018 YF1-5 PAGE 58 (1968) G.V. MURADJAN, YU.V. ADAMCHUK (KURCHATOV INST.)	47-AG-107	0. 6.50-04	3 AV. RES. PARAM.	
ELECTRON LINAC NEUTRON SOURCE.	47-AG-107	1.07-04 8.49-04	26 RES. PARAM.	
IAE-1124 (1966)	47-AG-109	0. 6.50-04	3 AV. RES. PARAM.	
	47-AG-109	3.26-05 8.49-04	28 RES. PARAM.	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-533 ***

REF. NO. = 4018

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=4019

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
4019 ATOMNAYA ENERGIYA 33, 782 (1972) YU.G.PANITKIN, V.A.TOLSTIKOV (OBNINSK) (P.T) NEUTRON SOURCE.	92-U -238	1.20+00 4.30+00	11 N,G	
4020 YAD. FIZ. 13, 1039 (1971) YU.V.RJABOV, YU.I.FENIN (DUBNA) REACTOR NEUTRON SOURCE.	92-U -235 94-PU-239	1.00-04 3.00-02 1.00-04 3.00-02	2 AV.RES.PARAM. 2 AV.RES.PARAM.	
4021 ATOMNAYA ENERGIYA 32, 83 (1972) N.P.KOLOSOV, B.D.KUZ'MINOV, A.I.SERGACHEV, V.M.SURIN (OBNINSK)	92-U -233 94-PU-239	7.00-02 1.56+00 8.00-02 1.61+00	15 NU-PRMT 16 NU-PRMT	
4022 PROC. CONF. ON NEUTRON PHYS. KIEV, 1, 223 (1971) V.I.POPOV, V.I.TRIOVA (OBNINSK) VAN DE GRAFF NEUTRON SOURCE.	3-LI-NA1 -LI-6 5-B -NAT 5-B -10 11-NA-23 11-NA-23 24-CR-NAT 24-CR-NAT 28-NI-NAT 28-NI-NAT 36-SR-NAT 41-NB-93	4.37+00 4.37+00 4.2 +00 4.37+00	5 ELASTIC D(A) 5 N,N' D(A) 5 ELASTIC D(A) 4 ELASTIC D(A) 5 ELASTIC D(A) 14 N,N' D(A) 15 ELASTIC D(A) 10 N,N' D(A) 15 ELASTIC D(A) 10 N,N' D(A) 15 ELASTIC D(A) 15 ELASTIC D(A)	
4023 YAD. FIZ. 5, 129 (1967) V.N.KONONOV (OBNINSK) ALSO SEE REF. 238B.	66-DY-162 74-W -184 74-W -186	0. 0. 0.	1 AV.RES.PARAM. 1 AV.RES.PARAM. 1 AV.RES.PARAM.	
4024 YF1-7 PAGE 37 (1953) V.P.VERTEBNII, P.N.VORONA, A.I.KALCHENKO, M.V.PASECHNIK, ZH.I.PISANKO, V.A.PSHENICHNYI, V.K.RUDISHIN (KIEV) UKR. FIZ. ZH. 15(12), 2050 (1970)	58-CE-142 58-CE-142 66-DY-164	1.29-03 4.38-03 1.29-03 4.38-03 1.46-04 1.46-04	1 AV.RES.PARAM. 6 RES.PARAM. 1 RES.PARAM.	
4025 PROC. CONF. NUCL. SPECTROSCOPY/STRUCTURE. KIEV, 1, 277 (1972) M.V.PASECHNIK, M.G.FEDOROV, T.I.JAKOVENKO (KIEV) (D.D) NEUTRON SOURCE.	28-NI-58 28-NI-58 28-NI-60 28-NI-60 28-NI-62 28-NI-62	2.90+00 2.90+00 2.90+00 2.90+00 2.90+00 2.90+00 2.90+00 2.90+00 2.90+00 2.90+00 2.90+00 2.90+00	8 ELASTIC D(A) 7 N,N' D(A) 8 ELASTIC D(A) 7 N,N' D(A) 8 ELASTIC D(A) 7 N,N' D(A)	
4026 YF1-14 PAGE 8 (1972) V.M.MDROZOV, YU.G.ZUBOV, N.S.LEBEDEVA (KURCHATOV INST.) (D.D) NEUTRON SOURCE.	26-FE-56 49-TN-115 82-PB-208	1.80+00 1.80+00 1.80+00 1.80+00 1.80+00 1.80+00	17 ELASTIC D(A) 17 ELASTIC D(A) 17 ELASTIC D(A)	
4027 YAD. FIZ. 16, 475 (1972) A.I.SERGACHEV, N.P.D.JACHENKO, A.M.KOVALEV, B.D.KUZ'MINOV (OBNINSK) (D.D) NEUTRON SOURCE.	92-U -233	2.53-08 2.14+00	20 NU-PRMT	
4028 PROC. CONF. NUCL. SPECTROSCOPY/STRUCTURE. KIEV, 1, 173 (1972) V.E.ABLESIMOV, E.K.BONJUSHKIN, A.P.MOROSOV (KURCHATOV INST.) VAN DE GRAFF NEUTRON SOURCE.	6-C -12	1.41+01 1.49+01	2 N,P	
4029 IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 31, 327 (1967)	6-C -12	1.56+01 1.60+01	2 N,N'	

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-534 ***

REF.NO.=4029

07/34/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NQ.=4029

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
4029 D.L.BRODER, A.G.DOVHENKO, V.E.KOLESOV, A.I.LASHUK, I.F.SADOKHIN (OBNINSK) BULL. ACAD. SCI. USSR (PHYS.SER.) 31, 311 (1967)	13-AL-27 13-AL-27 26-FE-NAT 63-BI-209 63-BI-209	1.02+00 3.70+00 1.02+00 3.70+00 4.25+00 1.60+01 1.02+00 3.52+00 1.02+00 3.52+00	30 N,N' 102 N,N' 18 N,N' 28 N,N' 60 N,N'	
4030 ATOMNAYA ENERGIYA 32, 178 (1972) B.M.ALFKSANDROV, M.A.BAK, A.S.KRIVOKHATSKII (LENINGRAD) CRYSTAL SPECTROMETER REACTOR NEUTRON SOURCE.	91-PA-231	2.53-08 2.53-08	1 N,0	
4031 ATOMNAYA ENERGIYA 27, 405 (1969) V.A.TOLSTIKOV, V.P.KOROLEVA, V.E.KOLESOV, A.G.DOVHENKO, YU.N.SHUBIN (OBNINSK) (P,L17) AND (P,T) NEUTRON SOURCES.	50-SN-122 50-SN-122 50-SN-124 50-SN-124 51-SB-NAT 51-SB-121 51-SB-123	2.00-01 3.12+00 2.00-01 1.85+00 9.00-03 3.13+00 9.00-03 1.92+00 2.00-01 2.72+00 1.10-02 3.13+00 2.00-01 2.72+00	22 N,0 17 N,0 24 N,0 20 N,0 18 N,0 28 N,0 18 N,0	C/S RATIO C/S RATIO
4032 IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 34, 1776 (1970) I.F.BARCHUK, D.A.BAZAYOV, G.V.BELYKH, V.I.GOLYSHKIN, A.V.MURZIN, A.F.OGORODNIK (KIEV) REACTOR NEUTRON SOURCE.	34-SE-78 34-SE-80	2.50-08 2.50-08 2.50-08 2.50-08	7 N,XG 7 N,XG	D(E) D(E)
4033 IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 35, 2345 (1971) E.S.KONOBEEVSKII, R.M.MUSAEILIAN, V.I.POPOV, I.V.SURKOVA (LEBEDEV INST.) VAN DE GRAAFF NEUTRON SOURCE.	28-NI-58 28-NI-60 30-ZN-64 30-ZN-66 30-ZN-68	1.46+00 1.64+00 1.33+00 1.64+00 1.00+00 1.63+00 1.04+00 1.63+00 1.08+00 1.63+00	13 N,N' 21 N,N' 40 N,N' 38 N,N' 34 N,N'	
4034 IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 36, 163 (1972) E.S.KONOBEEVSKII, R.M.MUSAEILIAN, V.I.POPOV, I.V.SURKOVA (LEBEDEV INST.) VAN DE GRAAFF NEUTRON SOURCE.	34-SE-76 34-SE-78 34-SE-80 34-SE-82	5.60-01 1.54+00 6.17-01 1.54+00 6.73-01 1.53+00 6.57-01 1.53+00	175 N,N' 167 N,N' 155 N,N' 158 N,N'	
4035 ATOMNAYA ENERGIYA 33, 901 (1973) K.E.VOLODIN, V.F.KUZNETSOV, V.G.NESTEROV, B.NURPEISOV, L.I.PROKHOROVA, YU.M.TURCHIN, G.N.SMIRENKIN (OBNINSK) TANDEM VAN DE GRAAFF NEUTRON SOURCE.	94-PU-239 94-PU-239	2.50-08 1.60+00 2.50-08 1.60+00	23 NU-PRMT 23 NU-PRMT	
4036 IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 36, 852 (1972) A.I.DJUMIN, D.M.KAMINKER, G.N.POPOVA, V.A.SMOLIN (IOFFE INST.) (O,T) NEUTRON SOURCE.	22-TI-46 22-TI-47 22-TI-48 22-TI-49 22-TI-50 24-CR-50 24-CR-52 24-CR-53 24-CR-54 29-CU-63 29-CU-65	1.42+01 1.42+01 1.42+01 1.42+01 1.42+01 1.42+01 1.42+01 1.42+01 1.42+01 1.42+01 1.42+01 1.42+01 1.42+01 1.42+01 1.42+01 1.42+01 1.42+01 1.42+01 1.42+01 1.42+01	1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL 1 TOTAL	
4037 UKR. FIZ. ZH. 15, 2072 (1972) I.F.BARCHUK, D.A.BAZAYOV.	30-ZN-58	2.50-08 2.50-08	25 N,XG	D(E)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-535 ***

REF.NO.=4037

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=4037

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

4037 G.V.BELYKH, V.I.GOLYSHKIN, A.V.MURZIN, A.F.OGORODNIK (KIEV)
REACTOR NEUTRON SOURCE.4038 YAD. FIZ. 13, 1129 (1971) L.V.GROSHEV, L.T.GOVOR,
A.M.DEMIDOV, A.S.RAKHIMOV (KURCHATOV INST.)
REACTOR NEUTRON SOURCE.54-XE-129 2.50-08 2.50-08 38 N.XG D(E)
54-XE-131 2.50-08 2.50-08 33 N.XG D(E)4039 YAD. FIZ. 11, 934 (1970) I.F.BARCHUK, D.A.BAZAVOV,
G.V.BELYKH, V.I.GOLYSHKIN, A.V.MURZIN, A.F.OGORODNIK (KIEV)
REACTOR NEUTRON SOURCE.30-ZN-64 2.50-08 2.50-08 8 N.XG D(E)
30-ZN-66 2.50-08 2.50-08 5 N.XG D(E)
30-ZN-67 2.50-08 2.50-08 27 N.XG D(E)
30-ZN-68 2.50-08 2.50-08 6 N.XG D(E)4040 ATOMNAYA ENERGIYA 29, 95 (1970) N.I.KROSHKIN, YU.S.ZAMYATNIN
(USSR)
PROMPT NEUTRONS MEASURED BY TIME OF FLIGHT.90-TH-229 2.53-06 2.53-08 1 NU-PRMT
90-TH-229 2.53-08 2.53-08 1 NUCLEAR TEMP.
92-U -238 2.53-08 2.53-08 1 NU-PRMT
92-U -P38 2.53-01 2.53-08 1 NUCLEAR TEMP.
95-AM-242G 2.53-08 2.53-08 1 NU-PRMT
95-AM-242G 2.53-08 2.53-08 1 NUCLEAR TEMP.
96-CM-244 0. 0. 1 NU-PRMT
96-CM-244 0. 0. 1 NUCLEAR TEMP.
96-CM-245 2.53-08 2.53-08 1 NU-PRMT
96-CM-245 2.53-08 2.53-08 1 NUCLEAR TEMP.
98-CF-252 -6.35+00 -6.35+00 1 NU-PRMT
98-CF-252 0. 0. 1 NUCLEAR TEMP.4041 FEI-272 PAGE 1 (1971) N.S.BIRJUKOV, B.V.ZHURAVLEV,
N.V.KORNILOV, V.I.PLYASKIN, O.A.SAL'NIKOV (OBNINSK)
(P.T) NEUTRON SOURCE.0-C -NAT 9.20+00 9.20+00 1 ELASTIC D(A)
6-C -NAT 9.20+00 9.20+00 1 N.N' D(A)
13-AL-27 9.20+00 9.20+00 1 ELASTIC D(A)
13-AL-27 9.20+00 9.20+00 1 N.N' D(E,A)
13-AL-27 9.20+00 9.20+00 60 N.N' D(E,A)
13-AL-27 9.20+00 9.20+00 1 NUCLEAR TEMP.
29-CU-NAT 9.20+00 9.20+00 1 ELASTIC D(A)
29-CU-NAT 9.20+00 9.20+00 1 N.N' D(E,A)
29-CU-NAT 9.20+00 9.20+00 60 N.N' D(E,A)
29-CU-NAT 9.20+00 9.20+00 1 NUCLEAR TEMP.
41-NB-93 9.20+00 9.20+00 1 ELASTIC D(A)
41-NB-93 9.20+00 9.20+00 1 N.N' D(E,A)
41-NB-93 9.20+00 9.20+00 60 N.N' D(E,A)
41-NB-93 9.20+00 9.20+00 1 NUCLEAR TEMP.4042 NUCLEAR DATA FOR REACTORS. HELSINKI, P/CN-26/121 (1970)
G.V.MURADJAN, T.A.MOSTOVA, V.I.MOSTOVOI, YU.G.SHCHEPKIN
(KURCHATOV INST.)
ELECTRON LINAC NEUTRON SOURCE.

92-U -235 1.00-05 5.00-03 16 ALPHA RES.INT.

4043 FEI-285 (1971) V.G.DVUKHSHERSTNOV, YU.A.KAZANSKI,
E.A.FLAKSIN, V.M.FURMANOV (OBNINSK)
YFI-12 PAGE 7 (1971)
PROC. CONF. NUCL. SPECTROSCOPY/STRUCTURE, KIEV, 2. 318 (1972)92-U -235 2.00-03 2.45-02 2 ALPHA
94-PU-239 2.00-03 1.40-01 4 ALPHA4044 ATOMNAYA ENERGIYA 32, 178 (1972) B.I.FURSOV, KH.D.ANDROSENKO,
V.I.IVANOV, V.G.NESTEROV, G.N.SHIRENKIN, L.V.CHIISTYAKOV,

98-CF-240 5.00-01 5.02+00 7 N.FISS

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-536 ***

REF.NO.=4044

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO. #4044

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

- 4044 V.M.SHUBKO (OBNINSKI)
REACTOR NEUTRON SOURCE.
- 4045 YAD. FIZ. 14, 1123 (1971) A.A.BERGMAN, YU.YA.STAVISSKII,
V.B.CHELNOKOV, A.E.SAMSONOV, V.A.TOLSTIKOV, A.N.MEDVEDEV
(OBNINSKI)
REACTOR NEUTRON SOURCE.
- 4046 PROC. CONF. NUCL. SPECTROSCOPY/STRUCTURE. KIEV, 1, 124 (1972)
YU.V.ADANCHUK, G.V.MURADJAN, YU.G.SHCHEPKIN (KURCHATOV INST.)
LINAC NEUTRON SOURCE.
- 4047 YAD. FIZ. 14, 22 (1971) S.M.KALEBIN, M.ADIB, G.V.RUKOLAINA,
R.N.IVANOV, Z.K.KARALOVA, G.M.KUKAVADZE, Z.I.PYZHOVA
(ITEP, MOSCOW)
REACTOR NEUTRON SOURCE.
- 4048 ATOMNAYA ENERGIYA 33, 825 (1972) YU.G.PANITKIN,
V.A.TOLSTIKOV (OBNINSKI)
VAN DE GRAAFF NEUTRON SOURCE.
- 4049 YAD. FIZ. 13, 233 (1971) D.L.BRODER, A.F.GAMALII,
B.V.ZEMTSEV, B.V.NESTEROV, L.P.KHAM'YANOV (OBNINSKI)
REACTOR NEUTRON SOURCE.
- 4050 YAD. FIZ. 15, 3 (1972) A.F.GAMALII, B.V.ZEMTSEV, V.B.IVANOV,
B.V.NESTEROV, L.P.KHAM'YANOV (OBNINSKI)
REACTOR NEUTRON SOURCE.
- 4051 YAD. FIZ. 17, 692 (1973) M.DAKOVSKII, YU.A.LAZAREV,
YU.TS.OGANESYAN, G.V.BUKLANDOV (DUBNA)
SPONTANEOUS FISSION NEUTRON SOURCE.
- 4052 ATOMNAYA ENERGIYA 34, 491 (1973) B.NURPEISOV, V.G.NESTEROV,
L.I.PROKHOROVA, G.N.SMIRENKIN (OBNINSKI)
(P.T.) NEUTRON SOURCE.
- 4053 IAE-2222 (1972) V.F.GERASIMOV, V.S.ZENKEVICH, S.S.MOSKALEV,
D.A.MARKOV, A.V.KHERUVIMOV (KURCHATOV INST.)
ELECTRON LINAC NEUTRON SOURCE.
- 4054 YF1-B PAGE 7 (1969) P.P.DJACHENKO, B.D.KUZ'MINOV, A.LAJTAL
(OBNINSKI)
(P.L17) NEUTRON SOURCE.
- 4055 NUCLEAR DATA FOR REACTORS. HELSINKI, P/CN-26/89 (1970)
F.N.BELJAEV, K.G.IGNAT'EV, S.I.SUKHORUCHKIN, S.P.BOROVLEV,
V.V.PAVLOV, M.V.POLOZOV, A.N.SOLODOTOV (ITEP, MOSCOW)
CYCLOTRON NEUTRON SOURCE.

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-537 ***

REF.NO.#4055

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. = 4056

REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
4056 IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 34, 768 (1971) L.V.GROSHEV, V.N.DVORETSKII, A.M.DEMIDOV, A.S.RAKHIMOV (KURCHATOV INST.) REACTOR NEUTRON SOURCE.	56-BA-NAT 56-BA-135 56-BA-137	2.53-08 2.53-08 2.53-08 2.53-08 2.53-08 2.53-08	72 N,XG 19 N,XG 25 N,XG	O(E) O(E) O(E)
4057 YAD. FIZ. 14, 14 (1972) E.S.KONOBEEVSKII, R.M.MUSAEIAN, V.I.POPOV, I.V.SURKOVA (LEBEDEV INST.)	32-GE-70 32-GE-72 32-GE-74 32-GE-76	1.05+00 1.42+00 7.00-01 1.09+00 5.98-01 8.70-01 5.60-01 8.70-01	36 N,N' 42 N,N' 20 N,N' 24 N,N'	
4058 YAD. FIZ. 18, 724 (1973) M.DAKOVSKII, YU.A.LASAREV, YU.TS.OGANESEYAN (DUBNA) SPONTANEOUS FISSION NEUTRON SOURCE.	96-CM-244 96-CM-246	0. 0. 0. 0.	1 NU-PRHT 1 NU-PRHT	
4059 IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 37, 1900 (1973) E.S.KONOBEEVSKII, R.M.MUSAEIAN, V.I.POPOV, I.V.SURKOVA (LEBEDEV INST.) VAN DE GRAAFF NEUTRON SOURCE.	48-CD-110 48-CD-112 48-CD-114 48-CD-116 50-SN-118 50-SN-120 50-SN-122 50-SN-124 52-TC-126 52-TC-128 52-TC-130	6.61-01 1.13+00 6.26-01 1.13+00 5.65-01 1.13+00 1.30+00 1.72+00 1.23+00 1.72+00 1.18+00 1.72+00 1.14+00 1.72+00 1.14+00 1.72+00 6.77-01 1.25+00 7.45-01 1.24+00 8.40-01 1.25+00	52 N,N' 56 N,N' 63 N,N' 22 N,N' 29 N,N' 31 N,N' 33 N,N' 34 N,N' 59 N,N' 56 N,N' 48 N,N'	
4060 YAD. FIZ. 19, 5 (1974) V.S.SHORIN, V.N.KONONOV, E.D.POLETAEV (OBNINSK) (P,L17) NEUTRON SOURCE.	49-IN-NAT 64-CD-154 64-CD-155 64-CD-156 64-CD-157 64-CD-158 64-CD-160 68-ER-166 68-ER-167 68-ER-168 68-ER-170 79-AU-197	5.50-03 8.20-02 5.28-03 6.82-02 5.28-03 6.82-02 5.28-03 6.82-02 5.28-03 6.82-02 5.28-03 6.82-02 5.28-03 6.82-02 5.28-03 6.82-02 5.28-03 6.82-02 5.28-03 6.82-02 5.28-03 6.82-02 5.50-03 8.20-02	32 N,G 32 N,G 32 N,G 32 N,G 32 N,G 32 N,G 32 N,G 32 N,G 31 N,G 32 N,G 32 N,G 32 N,G	
4061 YAD. FIZ. 7, 937 (1968) L.V.GROSHEV, A.M.DEMIDOV, A.S.RAKHIMOV (KURCHATOV INST.) REACTOR NEUTRON SOURCE.	78-PT-NAT	2.50-08 2.50-08	43 N,XG	O(E)
4062 YAD. FIZ. 13, 681 (1971) L.V.GROSHEV, A.M.DEMIDOV, V.F.LEONOV, L.V.SOKOLOVSKII (KURCHATOV INST.) REACTOR NEUTRON SOURCE.	62-SM-151 62-SM-152	2.53-08 2.53-08 2.53-08 2.53-08	32 N,XG 20 N,XG	O(E) O(E)
4063 PROC. CONF. ON NEUTRON PHYS. KIEV, 1, 325 (1971) V.I.IVANOV, I.P.MAKHNELOV, V.A.TOLSTIKOV (OBNINSK) REACTOR NEUTRON SOURCE.	92-U-238	1.00+00 1.00+00	1 N,G	SPECT. AV.
4064 IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 37, 1004 (1973)	34-SE-77	2.50-08 2.50-08	123 N,XG	O(E)
REF BIBLIOGRAPHY	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION

*** 3-538 ***

REF. NO. = 4064

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=4064

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

4064 M.R.AKHMED, A.M.DEMIDOV, M.A.KHALIL, S.AL-NASAR
(KURCHATOV INST.)
REACTOR NEUTRON SOURCE.

4065 IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 37, 998 (1973)
A.M.DEMIDOV, M.R.AKHMED, M.A.KHALIL, S.AL-NASAR
(KURCHATOV INST.)
REACTOR NEUTRON SOURCE.

42-MO-95 2.50-08 2.50-08 38 N,XG D(E)
42-MO-98 2.50-08 2.50-08 25 N,XG D(E)
42-MO-100 2.50-08 2.50-08 52 N,XG D(E)

4066 YAD. FIZ. 19, 50 (1974) B.I.FURSOV, V.I.IVANDOV,
G.N.SMIRENIN (OBNINSK)
(P.T) NEUTRON SOURCE.

98-CF-249 5.00-01 7.00+00 13 N,FISS
98-CF-249 5.00-01 7.00+00 13 N,FISS C/S RATIO

4067 UKR. FIZ. ZH. 15, 1905 (1970) M.S.FEDOROV, T.I.JAKOVENKO
(KIEV)
COCKCROFT-WALTON (D,D) NEUTRON SOURCE.

12-MO-24 2.86+00 2.86+00 8 ELASTIC D(A)
12-MO-24 2.86+00 2.86+00 8 N,N' D(A)

4068 YK-12 PAGE 61 (1973) YU.A.NEMILOV, YU.N.TROFIMOV (LENINGRAD)
CYCLOTRON NEUTRON SOURCE.

40-ZR-90 7.60+00 9.30+00 4 N,P

4069 IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 37, 1764 (1973)
E.S.KONOBEEVSKII, R.M.MUSAEIAN, V.I.POPOV, V.M.PPACHENKO,
I.V.SURKOVA (LEBEDEV INST.)
VAN DE GRAAFF NEUTRON SOURCE.

22-TI-46 9.05-01 1.48+00 35 N,N'
22-TI-48 9.89-01 1.48+00 102 N,N'
26-FE-56 8.47-01 1.18+00 67 N,N'

4070 IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 37, 1714 (1973)
E.S.KONOBEEVSKII, R.M.MUSAEIAN, V.I.POPOV, I.V.SURKOVA
(LEBEDEV INST.)
VAN DE GRAAFF NEUTRON SOURCE.

60-HG-199 4.20-01 7.28-01 28 N,N'
80-HG-200 3.83-01 7.28-01 28 N,N'
80-HG-202 4.46-01 7.28-01 21 N,N'
92-PB-206 8.12-01 1.12+00 25 N,N'

4071 YAD. FIZ. 8, 7 (1968) V.N.LEVKOVSKII, G.E.KOVELSKEYA,
G.P.VINITSKAYA, V.M.STEPANOV, V.V.SOKOLSKY (KAZAKHSTAN)

16-S -32 1.48+01 1.48+01 1 N,P
19-K -41 1.48+01 1.48+01 1 N,P
19-K -41 1.48+01 1.48+01 1 N,A
20-CA-42 1.48+01 1.48+01 1 N,P
20-CA-44 1.48+01 1.48+01 1 N,P
21-SC-45 1.48+01 1.48+01 1 N,P
21-SC-45 1.48+01 1.48+01 1 N,A
26-FE-56 1.48+01 1.48+01 1 N,P
27-CO-59 1.48+01 1.48+01 1 N,P
27-CO-59 1.48+01 1.48+01 1 N,A
28-NI-62 1.48+01 1.48+01 1 N,A
28-NI-64 1.48+01 1.48+01 1 N,A
37-RB-85 1.48+01 1.48+01 1 N,A
37-RB-87 1.48+01 1.48+01 2 N,A
38-SR-86 1.48+01 1.48+01 1 N,P
38-SR-88 1.48+01 1.48+01 1 N,P
39-Y -89 1.48+01 1.48+01 1 N,P
39-Y -89 1.48+01 1.48+01 1 N,A
95-CS-133 1.48+01 1.48+01 1 N,A
96-BA-136 1.48+01 1.48+01 1 N,P
96-BA-138 1.48+01 1.48+01 1 N,P
57-LA-139 1.48+01 1.48+01 1 N,P

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-539 ***

REF.NO.=4071

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=4071

REF BIBLIOGRAPHY

4071

4072 YK-7 PAGE 102 (1972) O.A.SAL'NIKOV, G.N.LOVCHIKOVA,
G.V.KOTEL'NIKOVA, A.M.TRUFANOV, N.I.FETISOV (OBNINSK)
(D,T) NEUTRON SOURCE.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
58-CE-142	1.48+01 1.48+01	1	N,A
24-CR-NAT	1.43+01 1.43+01	5	EMISS D(A)
24-CR-NAT	1.43+01 1.43+01	20	N,N' D(A)
24-CR-NAT	1.43+01 1.43+01	51	EMISS D(E)
24-CR-NAT	1.43+01 1.43+01	255	EMISS D(E,A)
25-MN-55	1.43+01 1.43+01	1	EMISS
25-MN-55	1.43+01 1.43+01	1	N,2N
25-MN-55	1.43+01 1.43+01	10	EMISS D(A)
25-MN-55	1.43+01 1.43+01	15	N,N' D(A)
25-MN-55	1.43+01 1.43+01	51	EMISS D(E)
25-MN-55	1.43+01 1.43+01	255	EMISS D(E,A)
26-FE-NAT	1.43+01 1.43+01	1	EMISS
26-FE-NAT	1.43+01 1.43+01	1	N,N'
26-FE-NAT	1.43+01 1.43+01	1	N,2N
26-FE-NAT	1.43+01 1.43+01	10	EMISS D(A)
26-FE-NAT	1.43+01 1.43+01	15	N,N' D(A)
26-FE-NAT	1.43+01 1.43+01	51	EMISS D(E)
26-FE-NAT	1.43+01 1.43+01	259	EMISS D(E,A)
27-CO-59	1.43+01 1.43+01	1	EMISS
27-CO-59	1.43+01 1.43+01	1	N,2N
27-CO-59	1.43+01 1.43+01	10	EMISS D(A)
27-CO-59	1.43+01 1.43+01	15	N,N' D(A)
27-CO-59	1.43+01 1.43+01	51	EMISS D(E)
27-CO-59	1.43+01 1.43+01	255	EMISS D(E,A)
28-NI-NAT	1.43+01 1.43+01	5	EMISS D(A)
28-NI-NAT	1.43+01 1.43+01	20	N,N' D(A)
28-NI-NAT	1.43+01 1.43+01	51	EMISS D(E)
28-NI-NAT	1.43+01 1.43+01	204	EMISS D(E,A)
29-CU-NAT	1.43+01 1.43+01	1	EMISS
29-CU-NAT	1.43+01 1.43+01	1	N,N'
29-CU-NAT	1.43+01 1.43+01	1	N,2N
29-CU-NAT	1.43+01 1.43+01	25	N,N' D(A)
29-CU-NAT	1.43+01 1.43+01	51	EMISS D(E)
29-CU-NAT	1.43+01 1.43+01	255	EMISS D(E,A)
39-Y -89	1.43+01 1.43+01	5	EMISS D(A)
39-Y -89	1.43+01 1.43+01	20	N,N' D(A)
39-Y -89	1.43+01 1.43+01	51	EMISS D(E)
39-Y -89	1.43+01 1.43+01	255	EMISS D(E,A)
40-ZR-NAT	1.43+01 1.43+01	20	EMISS D(A)
40-ZR-NAT	1.43+01 1.43+01	5	N,N' D(A)
40-ZR-NAT	1.43+01 1.43+01	51	EMISS D(E)
40-ZR-NAT	1.43+01 1.43+01	255	EMISS D(E,A)
41-NB-93	1.43+01 1.43+01	1	EMISS
41-NB-93	1.43+01 1.43+01	15	EMISS D(A)
41-NB-93	1.43+01 1.43+01	10	N,N' D(A)
41-NB-93	1.43+01 1.43+01	50	EMISS D(E)
41-NB-93	1.43+01 1.43+01	255	EMISS D(E,A)
74-W -NAT	1.43+01 1.43+01	25	EMISS D(A)
74-W -NAT	1.43+01 1.43+01	51	EMISS D(E)
74-W -NAT	1.43+01 1.43+01	204	EMISS D(E,A)
83-BI-209	1.43+01 1.43+01	1	EMISS

REF BIBLIOGRAPHY

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
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*** 3-540 ***

REF.NO.=4072

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF. NO. 4072

REF BIBLIOGRAPHY

	TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
4072	83-BI-209	1.43+01 1.43+01	5	EMISS
	83-BI-209	1.43+01 1.43+01	20	EMISS D(A)
	83-BI-209	1.43+01 1.43+01	50	EMISS D(E)
	83-BI-209	1.43+01 1.43+01	250	EMISS D(E,A)
4073 ATOMNAYA ENERGIYA 30, 369 (1971) N.I.IVANOVA, A.N.KOZBEV, N.G.KRYLOV, A.A.LBOV, N.P.MARTYNOV, A.E.TRIKANOV, A.I.SHELAMKOV (KURCHATOV INST.) APPROXIMATE FISSION NEUTRON SPECTRUM.	95-AM-241	1.00+00 1.00+00	1	N.G SPECT.AV.
4074 YFI-16 PAGE 8 (1973) V.P.VERTEBNII, M.F.VLASOV, V.V.KOLOTLI, M.V.PASECHNIK, V.A.PSHENICHNYI, V.N.URIN, A.F.FEDOROVA (KIEV) REACTOR NEUTRON SOURCE.	92-U -233	3.25-08 9.39-07	29	TOTAL
	92-U -233	9.7-08 4.60-07	11	SCATTER
	92-U -235	4.25-08 9.39-07	27	TOTAL
4075 IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 37, 993 (1973) H.P.AHMED, A.M.DEMIDOV, H.A.KHALIL, F.A.KHUSSEJN (KURCHATOV INST.) THERMAL NEUTRON SOURCE.	34-SE-74	2.50-08 2.50-08	151	N.X D(E)
4076 YAD. FIZ. 7, 745 (1968) H.F.ANDREEV, V.I.SEROV (KURCHATOV INST.) (D,T) NEUTRON SOURCE.	26-FE-54	1.38+01 1.74+01	20	N.ZN
	29-CU-63	1.38+01 1.74+01	18	N.ZN
4077 YAD. FIZ. 9, 258 (1969) V.V.IVANENKO, K.A.PETRZHAK (USSR) (D,T) NEUTRON SOURCE.	34-SE-NAT	1.47+01 1.47+01	1	ACTIVAT
	34-SE-74	1.47+01 1.47+01	1	N.ZN
	34-SE-74	1.47+01 1.47+01	1	N.P
	34-SE-76	1.47+01 1.47+01	1	N.P
	34-SE-77	1.47+01 1.47+01	1	N.D
	34-SE-78	1.47+01 1.47+01	1	N.P
	34-SE-80	1.47+01 1.47+01	1	N.A
4078 YAD. FIZ. 9, 933 (1969) E.M.BURYMOV (LEBEDEV INST.) (D,T) NEUTRON SOURCE.	8-O -18	1.48+01 1.48+01	4	N.N'
	8-O -16	1.48+01 1.48+01	2	N.N'
	8-O -16	1.48+01 1.48+01	1	N.N'
	13-AL-27	1.48+01 1.48+01	1	N.N'
	13-AL-27	1.48+01 1.48+01	1	N.N'
	24-CR-52	1.48+01 1.48+01	1	N.N'
	30-ZN-NAT	1.48+01 1.48+01	1	N.N'
4079 YAD. FIZ. 8, 1067 (1968) L.V.GROSHEV, V.N.DVORETSKII, A.M.DEMIDOV, A.S.RAKHINOV (KURCHATOV INST.) THERMAL NEUTRON SOURCE.	60-ND-NAT	2.50-08 2.50-08	95	N.X D(E)
	60-ND-143	2.50-08 2.50-08	3	N.X D(E)
	60-ND-144	2.50-08 2.50-08	25	N.X D(E)
	60-ND-145	2.50-08 2.50-08	2	N.X D(E)
	60-ND-146	2.50-08 2.50-08	11	N.X D(E)
4080 YAD. FIZ. 10, 681 (1969) L.V.GROSHEV, V.N.DVORETSKII, A.M.DEMIDOV, M.S.AL'YASH (KURCHATOV INST.) THERMAL NEUTRON SOURCE.	56-BA-NAT	2.50-08 2.50-08	10	N.X D(E)
	56-BA-134	2.50-08 2.50-08	7	N.X D(E)
	56-BA-136	2.50-08 2.50-08	4	N.X D(E)
	56-BA-138	3.11-01 2.05+00	3	N.X D(E)
	58-CE-138	2.50-08 2.50-08	3	N.X D(E)
	58-CE-140	2.50-08 2.50-08	2	N.X D(E)
	58-CE-142	2.50-08 2.50-08	4	N.X D(E)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-541 ***

REF. NO. 4080

07/04/76

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO. 4081

REF BIBLIOGRAPHY

4081 YK-15 PAGE 129 (1974) O.A.SAL'NIKOV, V.B.ANUFRIENKO,
G.N.LOVCHIKOVA (OBNINSK)
VAN DE GRAAFF (D,T) NEUTRON SOURCE. ALSO SEE REF. 1908.

TARGET	EN. RANGE (MEV)	PTS	DESCRIPTION
30-ZN-NAT	1.40+01 1.40+01	50 N,N'	D(E)
30-ZN-NAT	1.40+01 1.40+01	200 N,N'	D(E,A)
42-MO-NAT	1.40+01 1.40+01	40 N,N'	D(E)
42-MO-NAT	1.40+01 1.40+01	158 N,N'	D(E,A)
48-CO-NAT	1.40+01 1.40+01	40 N,N'	D(E)
48-CO-NAT	1.40+01 1.40+01	84 N,N'	D(E,A)
49-IN-NAT	1.40+01 1.40+01	50 N,N'	D(E)
49-IN-NAT	1.40+01 1.40+01	200 N,N'	D(E,A)
50-SN-NAT	1.40+01 1.40+01	50 N,N'	D(E)
50-SN-NAT	1.40+01 1.40+01	191 N,N'	D(E,A)
73-TA-NAT	1.40+01 1.40+01	47 N,N'	D(E)
73-TA-NAT	1.40+01 1.40+01	189 N,N'	D(E,A)
82-PB-NAT	1.40+01 1.40+01	40 N,N'	D(E)
82-PB-NAT	1.40+01 1.40+01	120 N,N'	D(E,A)

4082 ICD-3 PAGE 51 (1966) V.F.KUZNETSOV, G.N.SHIRENIN (OBNINSK)
VAN DE GRAAFF NEUTRON SOURCE. ALSO SEE REF. 226.

92-U -235 8.00-02 7.00-01 7 NU-PRMT

4083 NUCLEAR PHYS. B. 10, 40 (1969) V.N.LEVKOVSKIY,
O.P.VINITSKAYA, G.E.KOVELSKAYA, V.M.STEPANOV (KAZAKHSTANI)
ACTIVATION CROSS SECTIONS. (D,T) NEUTRON SOURCE.

22-TI-46	1.40+01 1.40+01	1 N,P
22-TI-47	1.40+01 1.40+01	1 N,P
22-TI-48	1.40+01 1.40+01	1 N,P
22-TI-48	1.40+01 1.40+01	1 N,A
22-TI-49	1.40+01 1.40+01	1 N,P
22-TI-50	1.40+01 1.40+01	1 N,P
22-TI-50	1.40+01 1.40+01	1 N,A
23-V -51	1.40+01 1.40+01	1 N,P
23-V -51	1.40+01 1.40+01	1 N,A
28-NI-58	1.40+01 1.40+01	1 N,P
28-NI-58	1.40+01 1.40+01	1 N,P
28-NI-60	1.40+01 1.40+01	1 N,P
28-NI-61	1.40+01 1.40+01	1 N,P
28-NI-62	1.40+01 1.40+01	2 N,P
40-ZR-90	1.40+01 1.40+01	1 N,P
40-ZR-90	1.40+01 1.40+01	1 N,P
40-ZR-91	1.40+01 1.40+01	1 N,P
40-ZR-92	1.40+01 1.40+01	1 N,P
40-ZR-92	1.40+01 1.40+01	1 N,A
40-ZR-94	1.40+01 1.40+01	1 N,P
40-ZR-94	1.40+01 1.40+01	1 N,A
40-ZR-96	1.40+01 1.40+01	1 N,A
41-NB-93	1.40+01 1.40+01	1 N,A
41-NB-93	1.40+01 1.40+01	1 N,P
47-AO-109	1.36+01 1.36+01	1 N,P
49-IN-115	1.40+01 1.40+01	2 N,P
49-IN-115	1.40+01 1.40+01	1 N,A
50-SN-118	1.40+01 1.40+01	2 N,A
53-I -127	1.40+01 1.40+01	1 N,P
53-I -127	1.40+01 1.40+01	1 N,P
53-I -127	1.40+01 1.40+01	1 N,A

4085 PROC. CONF. ON NEUTRON PHYS. KIEV, U. S. S. R. (1973) I.M.KUKS,
L.A.RAZUDOVSKIY, YU.A.SELITSKIY, A.V.PONICHEV, V.B.FUNSHTEIN,

TARGET EN. RANGE (MEV) PTS DESCRIPTION

REF BIBLIOGRAPHY

REF.NO. 4085

*** 3-542 ***

07/04/76

ECS-17600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=4085

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

4085 V.I.SHPAKOV (USSR)
VAN DE GRAAFF NEUTRON SOURCE.

4086 PROC. CONF. ON NEUTRON PHYS. KIEV. 4, 49 (1973)
V.P.BOLOTSKII, V.I.PETRUSHIN, A.N.SOLOV'OV, S.I.SUKHORUCHKIN
(KURCHATOV INST.)
REACTOR NEUTRON SOURCE.
92-U-235 2.50-04 6.50-03 14 N.O C/S RATIO
94-PU-239 2.50-04 9.50-03 17 N.155 C/S RATIO

4087 YF1-18 PAGE 45 (1974) V.V.GOLUSHKO, K.D.ZHURAVLEV,
YU.S.ZAMYATNIN, N.I.KROSHKIN, V.N.NEL'KOV (MELEKETS)
SPONTANEOUS FISSION NEUTRON SOURCE.
96-CM-244 0. 0. 1 NU-PRMT
96-CM-246 0. 0. 1 NU-PRMT
96-CM-248 0. 0. 1 NU-PRMT

4088 YF1-17 PAGE 34 (1974) B.L.ALEKSANDROV, L.M.BELOV,
YU.M.KRAMAROVSKII, M.A.PETRZHAK, A.G.PRUSAKOV, E.A.SHLYAMIN,
O.A.MIGUN'KOV, G.H.STUKOV, V.T.SHCHEBOLEV, I.I.JARYTSTINA
(LENINGRAD)
PROC. CONF. ON NEUTRON PHYS. KIEV. 4, 76 (1973)
98-CF-252 -6.35+00-6.35+00 1 NU-PRMT

4089 PROC. CONF. ON NEUTRON PHYS. KIEV. 4, 70 (1973)
V.P.ZOLOTSKII, K.G.IGNAT'EV, S.P.BOROVLEV, M.V.POLOZOV,
S.I.SUKHORUCHKIN (KURCHATOV INST.)
REACTOR NEUTRON SOURCE.
94-PU-239 1.50-08 2.35-05 5 NU-PRMT

4090 PROC. CONF. ON NEUTRON PHYS. KIEV. 3, 120 (1973)
YU.G.DEGTYAREV, V.V.CHUL'KOV, A.N.PROTGPOPOV (USSR)
VAN DE GRAAFF NEUTRON SOURCE.
13-AL-27 1.90+00 3.90+00 25 N.N'
26-FE-NAT 1.90+00 3.90+00 30 N.N'
82-PB-NAT 1.90+00 3.90+00 45 N.N'

4091 IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 38, 75 (1974) I.F.BARCHUK,
G.V.BELYKH, V.I.GOLYSHKIN, A.F.OGORODNIK, M.M.TUCHINSKII
(KIEV)
REACTOR NEUTRON SOURCE.
YF1-18 PAGE 28 (1974)
76-OS-186 2.50-08 2.50-08 25 N.XO D(E)
76-OS-187 2.50-08 2.50-08 34 N.XO D(E)

4092 IZV. AKAD. NAUK S.S.S.R. SER. FIZ. 38, 70 (1974) I.F.BARCHUK,
G.V.BELYKH, V.I.GOLYSHKIN, A.F.OGORODNIK, M.M.TUCHINSKII
(KIEV)
REACTOR NEUTRON SOURCE.
YF1-18 PAGE 22 (1974)
44-RU-100 2.50-08 2.50-08 14 N.XO D(E)
44-RU-102 2.50-08 2.50-08 21 N.XO D(E)
44-RU-104 2.50-08 2.50-08 15 N.XO D(E)

4093 YF1-18 PAGE 25 (1974) I.F.BARCHUK, G.V.BELYKH, V.I.GOLYSHKIN,
A.F.OGORODNIK, M.M.TUCHINSKII (KIEV)
REACTOR NEUTRON SOURCE.
46-PD-104 2.50-08 2.50-08 5 N.XO D(E)
46-PD-108 2.50-08 2.50-08 29 N.XO D(E)

4094 YAD. FIZ. 20, 1092 (1974) V.S.SHORIN, V.N.KONONOV,
E.D.POLETAEV (OBNINSK)
(P.L17) NEUTRON SOURCE.
70-YB-171 5.50-03 8.20-02 32 N.O
70-YB-172 5.50-03 8.20-02 32 N.O
70-YB-173 5.50-03 8.20-02 32 N.O
70-YB-174 5.50-03 8.20-02 31 N.O

4095 ZFK-277 (1974) D.HERMSDORF, A.MEISTER, S.SASSONOFF,
D.SHEELER, K.SIEDEL, F.SHAHIN (DRESDEN)
(O.T.) NEUTRON SOURCE.
4-BE-9 1.47+01 1.49+01 620 EMISS D(E,A)
6-C-12 1.47+01 1.49+01 573 EMISS D(E,A)
11-NA-23 1.45+01 1.45+01 484 EMISS D(E,A)
13-AL-27 1.47+01 1.49+01 560 EMISS D(E,A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-543 ***

REF.NO.=4085

07/04/78

ECSIL-7600 BIBLIOGRAPHY (REF. NO. ORDERED)

REF.NO.=4095

REF BIBLIOGRAPHY

4095

TARGET	EN.	RANGE (MEV)	PTS	DESCRIPTION
15-P -31	1.46+01	1.49+01	575	EMISS D(E,A)
23-V -51	1.43+01	1.47+01	486	EMISS D(E,A)
25-MN-55	1.46+01	1.49+01	571	EMISS D(E,A)
27-CO-59	1.43+01	1.47+01	545	EMISS D(E,A)
41-NB-93	1.43+01	1.47+01	486	EMISS D(E,A)
53 I -127	1.45+01	1.45+01	462	EMISS D(E,A)
73-TA-181	1.43+01	1.47+01	499	EMISS D(E,A)
79-AU-197	1.43+01	1.47+01	186	EMISS D(E,A)
83-BI-209	1.45+01	1.45+01	473	EMISS D(E,A)

REF BIBLIOGRAPHY

TARGET EN. RANGE (MEV) PTS DESCRIPTION

*** 3-544 ***

REF.NO.=4095

OLPO 789-738-1977