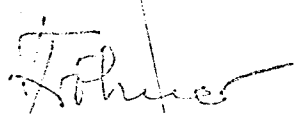


MEMORANDUM 4C-2/38

From: Hans Potters A. J.
Subject: References from other areas

17th May 1973

1. We are distributing herewith references we have found in literature or for which we have had requests. The latter are marked with a 'U'.
2. Crossed-out references have already been sent in EXFOR.
3. Some references may have been sent in EXFOR. In any case, a reference should be added (marked 'same as?').
4. The references not marked with a 'U' are given for information only, to increase the awareness of the availability of data. No systematic search has been made. The urgency of these data is left to the discretion of the responsible centre.
5. We envisage sending memos of this type from time to time.


Fritz Fröhner

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NP A763,592(71)

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u

174. 1973

1714

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ADRESSE

MRS V. MAY
BROOKLAD
UPTON
NEW YORK

TEXTE :

HAVE URGENT REQUEST FOR TOTAL CROSS SECTIONS 5-300 KEV, NI, FE, CR,
NATURAL AND ISOTOPES OF MEASUREMENTS NOT MENTIONED IN NEWSLETTER
0000-NW/13. N.B.1. PARTICULAR INTEREST IN FINAL FE-SMTCY,
LADDE BY NEMSON. N.B.2. THANKS FOR LETTER, WRITING SOON.
REGARDS
ALCIS

-AVEZ VOUS BIEN RECU ???
25590AE PARIS F
020000N 00020F

BORDEREAU DE PERFORATION DE DONNÉES

DATE 12 OCT 92

PAGE

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

INDSC - BÉNING REQUÊTES

EUFAMM BUTHER LEUX (Léves) seat
REF. 400145
10 FEB 92

EUC (m.f) HBRLOW 68 WASH, 839 RIBON and
TIGARASI

U235 (m.f) CZIRR UCR 19215460 RIBON

U235 (m.f) FELVINCE BNL 502986199 RIBON

U235 (B.f) BRAMBLET NSL 351350641 RIBON

U235 (m.f) BOWMAN UCR 192492 and RIBON

U235 (m.f) SILVER KNOXVILLE 1991

U235 (m.f) SILVER BNL 50298482 (M) RIBON

Capture & seat of several elements of GAFG PR, CB, DM (M) STORY

28 MAR 92 not investigated

6 MAR 92

6 MAR 92 (1500000)

6 MAY 91

6 MAR 92 not investigated

6 MAY 91

6 MAR 92 not investigated

6 MAY 91

6 MAR 92 not investigated

2 MAR 92

reference document

per X-1 report 1008

W

USA ANL U

The Rate of the Uranium-238 to U-235 Fission Cross Sections from 1 to 5 MeV

J.W. Meadows

Nucl. Sci & Engng 41 (1972) 310

November

2-012

4-0127

U²³³

01/12/73

U

USA ORL

The Neutron-Induced Gamma-Ray Reactions in Sodium-23 in the Energy Range 4.85 to 7.5 MeV

J.K. Dickens

Nucl. Sci & Engng 50 (1973)

98

Feb

Gamma Ray Prod. CS

Na²³

9

03/03

U

USA ORL

Prompt γ Rays from ²³⁵U(n,f), ²³⁵Pu(n,f) and

Spontaneous Fission of ²³²Th

V.V. Vorbinski, H. Waber, R.E. Sund

Intelec/Red Tech, P.O. Box 30815

San Diego, California 92168

Phys. Rev. 7C (1973) 1153

March

EFQ (NEED, ORNL, C)

Thermal and Spont

(S)

17/04/73

USA ORL

Case

U

USA ORL

Total Neutron Cross Sections of Protactinium Bismuth

1000 keV

P. Stolar, M.N. Kaulhal, F. Green

Edward Harms, L. Large

Phys. Rev. Lett. 29 (1972) 1744

December

D

4/73

(Missing Data) U
R 1 USABRL
— Structure in (n.d.) Reactions Induced
by 14-MeV Neutrons —
M.A. Warner, D.G. Gardner
WASH-1136 P 89-790
(ENDC(US)-122U)
(ENDC(US)-144)
Sept (1969)
G(n.d) AL²⁷As⁷⁵
13 ~ 18 Nov
16/04/73 (ed)

J. LUSA VIP

- Neutron Capture Cross-Sections in the KeV Region for ^{159}Sm , ^{160}Gd , ^{164}Dy and ^{165}Ho

L.R. Fawcett, A.K. Foor, J.G. Lindsay

Nucl. Sci. Eng. 49 (1972) 317

November

^{159}Sm Dy 165

^{160}Gd Ho 165

01/12/72

J. LUSA ONL

- P-Wave Resonances in ^{112}Cd (n,p) ^{112}Cd

O.A. Watson, B.J. Allen

Phys. Rev. C (1973) 780

Feb.

^{111}Cd

1/63/73

J.

LUSA ONL

- Possible Resonance Structure in

the Elastic Scattering of Neutrons by

~~Y~~ ~~Mar~~ ~~En = 1 MeV~~

A.J. Elwyn, J.E. Monahan, S.A. Coon

J. Adams, C. Chen

Nucl. Phys. A212 (1973) 244

Feb.

Y 89

09/03/73

J.

LUSA ONL

- The $\text{Li}^7(\text{n,p})^7\text{He}$ Reaction

R.H. Lindsay, W. Toews, J.F. Verbeke

Nucl. Phys. A199 (1973) 513

Jan

12/02/73

Li

1USAQRY

- Scattering of 9.8-MeV Neutrons from Silicon and Sulfur -

A.W. Obst, J.L. Weil

Phys. Rev. 7C (1973) 1074

March

$$\frac{d\sigma(\text{cm})}{d\Omega} \cdot \frac{d\sigma(\text{cm})}{d\Omega}$$

at 9.8 MeV

17/04/73

S.S.

J

1USAQRY

- Evidence for Assignment of ^{14}O State in ^{10}B

from $^{10}\text{B}(\alpha, n)^{10}\text{B}^{10}$ -

J.M. Cox, H.D. Knox, R.O. Lane

R.W. Finley

Nucl. Phys. A203 (1973) 89

March

$$\frac{d\sigma}{d\Omega}, \text{ P.O.L. at } E_n = 2.63 \text{ MeV}$$

^{10}B

30/03/73

1USAQRL

- Gamma-Ray production due to Neutron Interactions with Copper for Incident Neutron Energies between

1.0 and 20 MeV -

J.K. Dickens, et al

ORNL-4846

Feb 1973

Quon. Prod. C.S.

20 to 20 MeV

10/04/73

CW

J

1USAQRL

- Thermal-Neutron Capture Cross-Sections and Capture Resonance Integrals of Americium-241 -

R.H. Harbour

Nucl. Sci. & Engng. 50 (1973) 214

365

April

6600, INT.

Thermal

10/04/73

269

Am

1USA ANL

- Fast-Neutron Cross Sections of the Even Isotopes of Molybdenum.

P. Lambropoulos, P. Guenther, A. Smith, J. Whalen

Nucl. Phys. A201 (1973) 1

93
94
96
98
Mo 100

2/02/73

1/73

1USA LRL

- Neutron Spectra emitted by Pu^{239} , U^{235} , U^{238} , Pb , Nb , Ni , Al and C irradiated by 141 MeV neutrons. - (Thesis)

J. L. Kammerdener

UCRL - 51232

5 July 1972

Pu^{239} Pb C
 U^{238} Nb Ni Al

1/73

R

1USA ORL

- Gamma-Ray production due to neutron interaction with Iron for incident neutron energies between 0.8 and 20 MeV. Tabulated differential cross-sections.

J.K. Dickens. ORNL-4798
Aug 1972

Fe

1/73

R

1USA ORL

- Neutron-induced γ -ray production in Iron for the energy range 0.8 $\leq E_n \leq 20$ MeV. -

J.K. Dickens, R.L. Morgan

F.G. Perey

ORNL-TM-3850

Aug 1972

Fe

12/72

YUSAOZL

Neutron-Induced Gamma-Ray Production in Iron
for the Energy Range $0.8 \leq E_{\gamma} \leq 20 \text{ MeV}$ —

J. K. Dickens, G. L. Morgan, P. G. Percy.

Nucl. Sci. & Engng. 50 (1973)

341-331

April

Gamma Ray C.S.

$0.8 \sim 20 \text{ MeV}$

Fe

104173

(Missing Date)

U

J - An Experimental Test for the Nature

of Fluctuations in the Reaction Cross Sections

P. Strohhal, P. Kulisic, Z. Kolar, N. Cindro

Phys Lett 10 (1974) 104

May -1974

6(m.p)

F¹⁹ Fe⁵⁶

Rob. Ucles

Fig 2

F¹⁹ Mg²⁴ Fe⁵⁶

(m.p) (m.p) (m.p)

11/6/73 (old) - 11/8/73

(Missing Date)

U

J - Fluctuations in the Total Cross-Section of the Reaction Al²⁷(n,d)Na²⁴

N. Cindro, P. Kulisic, P. Strohhal

Phys Lett 6 (1963) 205-206

Sept

2-6(m.d)

Relative

11/02/73

15/04/73 (old)

AL²⁷

3 POLWAR

- Cross - Sections for the (n, n') and $(n, 2n)$ reactions on ^{137}I and ^{204}Pb -

P. Decowski et al

Since as INR-1187, 18 ? Nucle. Phys. A204 (1973) 121-128
INR-1182 ? April.

Acno 30107 30150 TRANS 3006, 3008
30104 30151

$\sigma(n, n')$, $\sigma(n, 2n)$

at $E_n = 13 - 18 \text{ MeV}$

^{137}I , ^{204}Pb

3/04/73

3 PAKLAN

- Aspects of α -Emission from the Bombardment of

^{28}Ni with 14.7 MeV Neutrons -

N.A. Khan, S. Habiburrahman, Mahmud Ahmad.

Nucle. Phys. A202 (1973) 123

Feb.

^{58}Ni

7/6/73.

J

3... DBC

- Total Neutron Cross Section of Ho -

Md. Farooque, M. Enayeturrahman

J. Nucl. Energy 2E (1973) 39-46

Since as AEC/DME, 11? Jan.

TRANS 3006
Acno 30134

Ho

30/03/73

J

3 ARG-CAB

- Total Neutron Cross Section of Mylar

at low energy -

TRANS 3009 C.C. Madans, F. Kropp, A. Olive

Acno 30223 J.M. Neil

Nucl. Sci. & Eng'ng 49 (1972) 32
November

Mylar

OT.

01/12/72

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U

ELEMENT	AUTHOR	DATE	REFERENCE REQUESTS	TELEX (LETTER)	PAGE
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U235 A. Cybor	RYABOV	70 HELS 1, 345	RIBON	SAPR 72 not overexposed re-processed	
U235	MURADYAN	70 HELS 1, 357	RIBON	6 MARS 72 These data shown not been transmitted on X-4 paper 4004 entry of 0889 as it was provided in of letter dated 14 Mars 72 From Paper	
Ge, Se (m, m')	KORZH	KIEV Conference 1972	TANAKA	26 Jan, 1973	
Ge, Se (m, m')	KONOBEEVSKI	YF 14, 14	TANAKA	26 Jan, 1973	
		(1971)			

5

4CCPKUR

Fission of U^{232} by 0.1 - 1.5 MeV Neutrons

P.E. Vorotnikov, S.H. Dubrovina

G.A. Otrioschanko, V.A. Skigin, A.V. Davydov, E.S. Reskin

TRAMS 4003

Soviet J. of Nuclear Physics

12 (1971) 259

March

ACCRA 40051

U²³²

73

U

4CCP

Ratio of Neutron Cross Section of Radiative Capture

and Fission for Pu^{239} in the energy region below 1 MeV

A.A. Bergman

Soviet J. of Nucl. Phys

14 (1972) 625

June

Pu²³⁹

73

R

4CCP

Absolute Measurements of the value of α for U^{235} and Pu^{239} in the Region of Neutron Energy

10. Rev. to AMET

V.N. Korotkov

Letter to P.G. Korotkov? FEI-274

TRAMS 4003

Oct. 1971

ACCRA 40073

Pu²³⁹

73

J

4CCPCP

Radiative Capture of Neutrons by

U^{238} in the Energy Range 5.0 - 20.0 MeV

Yu.G. Panitkin, V.A. Tolstikov

Atomnaya Energiya

33 (1972) 825

October

PPTS-80

06/12/72

but very important in energy range

73

400P CCP

Average Number of Prompt Neutrons $\bar{\nu}$ for Pu^{239} Fission by Neutrons having an Energy up to 1.6 MeV.

K. E. Volodin et al

Atomnaya Energiya 33(15) 893

1972

Pu^{239}

4015b

2.72

400P
4222DUB

Prompt Neutrons for Spontaneous Fission of

Cf^{246}

M. Dukovskii

JINR-P15-6730

1972

Cf^{246}

Feb 1973

J

400P

Cf^{249} Fission Cross-Section in the Neutron Energy

Range 0.16 - 1.6 MeV

P. E. Vozotnikov, B. M. Golobov, S. H. Dubrovina
V. N. Koryakov, G. A. Orlovskaya, I. V. Chistyakova
V. A. Shigin, V. M. Stukko

Soviet J. of Nucl. Physics

15 (1972) 20

July

Cf^{249}

Jan 73

14 - A 1 -

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ON THE COVER:

This month's cover is our artist's conception of the gas core rocket engine as it might appear in space, as described in the paper by Robert E. Hyland of the Lewis Research Center.

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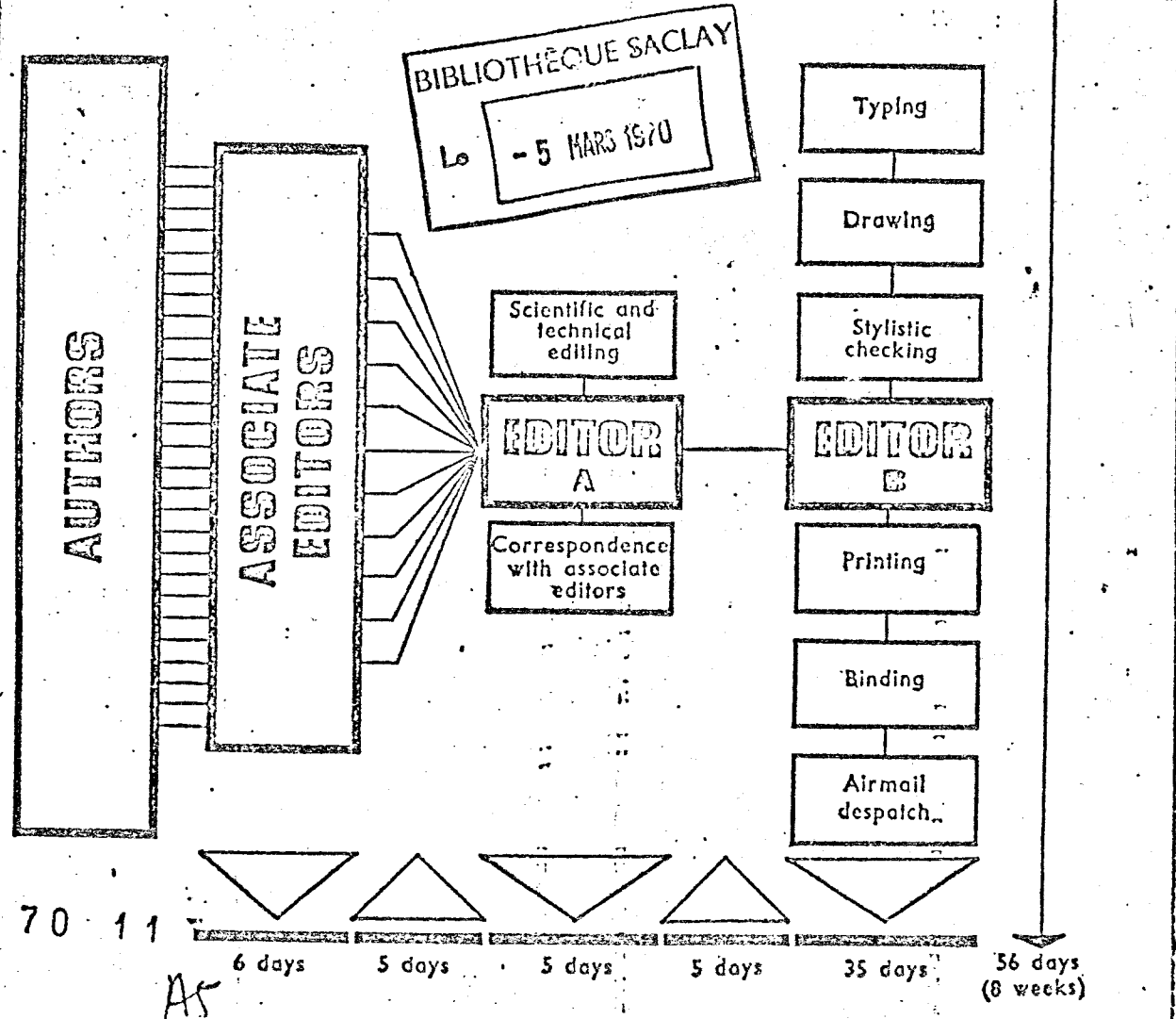
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VOLUME 16

1970



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Lo - 5 MARS 1970

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October

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