

DAS/324-0

MEMO 4-C 2/108

To: Distribution

From: P.D. Johnston

P.D.J.

OECD

13th June, 1979.

As a preliminary survey of experimental data of interest to the forthcoming NEANDC specialists' meeting on Cross Sections of Fission product nuclei, Dr. Igarasi has helped the Data Bank to identify experimental capture cross section measurements not yet in EXFOR.

A list is enclosed of measurements from your area not in EXFOR by May 1979. Could you check this list and give priority to the compilation of outstanding data sets.

Distribution

Dr. S. Pearlstein
Dr. J.J. Schmidt ✓
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NEA - Data Bank

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AREA 3

1. $^{87}\text{Rb}(n, \gamma)$, $^{86}\text{Sr}(n, \gamma)$, $^{98}\text{Mo}(n, \gamma)$, $^{100}\text{Mo}(n, \gamma)$, ^{96}Ru , ^{102}Ru , ^{104}Ru , ^{113}In ,
 ^{115}In , ^{122}Sn , ^{133}Cs , 24 KeV cross section, JPJ,35,8,7307
by MURTY, AUW
2. $^{86}\text{Sr}(n, \gamma)$ and Pd isotopes (n, γ) Average cross sections 78HARWELL,449,1978
by MUSGRØVE, AUA
3. $^{88}\text{Sr}(n, \gamma)$ 14 MeV cross section 72 Bud,252,1972
by CVELBAR, NJS
4. $^{98}\text{Mo}(n, \gamma)$ 24 KeV cross section
by CHATURVEDI, BHU
5. $^{99}\text{Mo}(n, \gamma)$ cross section and resonance parameters
by MUSGRØVE, AUA NP/A,270,108,7610
6. $^{103}\text{Ru}(n, \gamma)$ 15 MeV cross section BARC-553,19,7108
 $^{107}\text{I}(n, \gamma)$ HASAN, MUA
7. $^{108,110}\text{Pd}(n, \gamma)$ 25 KeV cross sections NCL,5,16,1025,72
LAKSHMANA, AUW
8. $^{110}\text{Pd}(n, \gamma)$ Activation cross section, INR-1773, 1978
 $^{114,116}\text{Cd}(n, \gamma)$ HERMAN, IBJ.
9. Ag(n, γ), Cd(n, γ) 30 KeV cross sections AAEC/PR-34P
STRØUD, AUA
10. Cd(n, γ) and isotopes, VDG data. 76LOWELL,1295,7607
HLA-PE, AUA
11. $^{110}\text{Cd}(n, \gamma)$ Activation cross sect. JP/A,5,468,72
 $^{115}\text{In}(n, \gamma)$
 $^{130}\text{Te}(n, \gamma)$ THIRUMALA, AUW

12. $^{114}\text{Cd}(n,\gamma)$ 24 KeV cross sections 70MADURA, 615,7012
 $^{127}\text{I}(n,\gamma)$ CHATURVEDI, BHU
 $^{141}\text{Pr}(n,\gamma)$
13. $^{138}\text{Ba}(n,\gamma)$ 24 KeV cross section NC/A,18,48,7311
 $^{140}\text{Ce}(n,\gamma)$ SIDAPPA, AUW
 $^{146,8}\text{Nd}(n,\gamma)$
14. $^{138}\text{Ba}(n,\gamma)$ 14 MeV cross section NP/A, 213,525,7310
POTOKAR, NJS