

Date: 10.07.79
From: CJD
To: Distribution
Subject: Answer to Memo 4C-2/108

The status with the capture cross-section data from area 4 requested by Dr. Igarasi the following:

1. Item 1: $^{99}\text{T}(n,\gamma)$, 73 Kiev, 2,172,73, Adamchuk,
EXFOR 40245
2. Items 4,5,8: $^{115}\text{In}(n,\gamma)$, YF, 26,947,77, Kononov
75 Kiev, 3,195,75 Kononov
 $^{142}\text{Nd}(n,\gamma)$, YF, 27,10,78 Kononov
 $^{146}\text{Nd}(n,\gamma)$, YF, 27,10,78 Kononov
 $^{148}\text{Nd}(n,\gamma)$, YF, 27,10,78 Kononov
 $^{150}\text{Nd}(n,\gamma)$, YF, 27,10,78 Kononov
EXFOR 40520 (TRANS 4031).

(The EXFOR 40520 contains the Kononov's data for capture cross-sections of Au, In, Ta, Sm, Eu, Nd, Gd, Er).

3. Item 6: $^{127}\text{I}(n,\gamma)$, YK-19,57,75
EXFOR 40222

The other data will be compiled with priority.

Clearance: V.N. Manokhin

Distribution:

1. J.J. Schmidt
2. S. Perlstein
3. H. Tubbs

Manokhin

*Mee
Dayday
Kammer
Kammel
Okamoto
Schwieser
P.H. Smith*