

MEMO CP-A/57

To: Distribution
 From: F.E.Chukreev, S.Yu.Babykina *F.E., S.B.*
 Subject: Additions to Dictionaries, Reply to MEMO CP-D/175,
 Subentry P0055002

The following additions should be made:

1. Dict.7
 - 88Baku (38. conf. nucl. spectrosc. and nucl. struct.,
Baku 1988)
 - 87Jurmala (37. conf. nucl. spectrosc. and nucl. struct.,
Jurmala 1987)

2. Dict.27

2.1 Add flag "3" to field 15 for following:

68-Er-160
 67-Ho-153
 67-Ho-158
 67-Ho-160
 67-Ho-161
 65-Tb-154
 61-Pm-141
 64-Gd-148
 64-Gd-150
 69-Tm-161
 69-Tm-163
 72-Hf-172
 78-Pt-188

Clearance

[Signature]
 F. E. Chukreev

Distribution
 J. J. Schmidt
 H. D. Lemmel
 S. Pearlstein
 N. Tubbs
 V. N. Manokhin

F. E. Chukreev
 A. Hashizume
 V. V. Varlamov
 H. Tanaka
 Zhuang Youxiang

cc. De Moraes
 Gaudasias
 Goulto
 Kyi
 Laumer

Lemmel
 Oshimoto
 Osorio
 Schmidt
 Schworer

Wang Dahai
 Wang Dao
 Zhang Dongming

2.2

68-Er-150	(3	C)
68-Er-151	(3	C)
68-Er-154	(3	C)
68-Er-155	(3	C)
68-Er-156	(3	C)
68-Er-157	(3	C)
68-Er-158	(3	C)
68-Er-159	(3	C)
67-Ho-149	(3	C)
67-Ho-150	(3	C)
67-Ho-154	(3	C)
67-Ho-155	(3	C)
67-Ho-156	(3	C)
67-Ho-157	(3	C)
66-Dy-147	(3	C)
66-Dy-148	(3	C)
66-Dy-149	(3	C)
64-Gd-144	(3	C)
69-Tm-152	(3	C)
69-Tm-155	(3	C)
69-Tm-156	(3	C)
69-Tm-157	(3	C)
69-Tm-158	(3	C)
69-Tm-159	(3	C)
69-Tm-160	(3	C)

3. Reply to MEMO CP-D/175 (regarding to 'IND')

I don't understand the remarks for usage of 'IND' in REACTION SF5. Let us see the "sample" reaction (A,2N). If you observe the neutrons, then this reaction is "ind". This special feature may be (or must be?) shown by "ind" (SF5) or "N" (SF7). If you observe radioactive products of this reaction, then you can have 2 cases:

1. For investigated energy region reaction (A,2N) is possible only.

2. For investigated energy region reactions (A,N+P) is possible too, but the yield for this reaction have not been investigated.

We use the code "IND" to distinguish first item. Second item is coding by '(CUM)' usually.

The codes IND, CUM, (CUM) give useful information for comparing with the theory.

4. SUBENTRY P0055002

4.1 We observed the violation rule "The values of the independent variable must increase or decrease monotonically throughout the table" for some lines. These lines are 33, 38, 44, 56. Retransmission requested.

4.2 This SUBENTRY gives for some energies very strange cross sections. For example: at 1.17 Mev we have 34, 55 and 100 mbarns. without any comments. We believe that comments are need.