

Review of entries coded with ,PN (A60)

The existing data sets with data for beta-delayed neutron emission probabilities in EXFOR database were reviewed for consistency with the new compilation rules. According to the WP2014-41 Rev. and Mem CP-C/429 the following updates of the Lexfor on delayed neutron data for individual precursors and related dictionary were introduced:

- The delayed neutron emission probability (=probability for emission of at least one beta-delayed neutron), P_n , is coded as , PN with units NO-DIM.
- The probability of emission of N beta-delayed neutrons, P_{Nn} , is coded as NUM, PN with units NO-DIM. (No change from 4C-3/396)
- The delayed-neutron emission multiplicity, $\langle n \rangle$, is coded as , MLT, DN with units PRT/DECAY or PC/DECAY.
- The energy spectrum of delayed neutrons emitted by a specific precursor is coded as , PN/DE with units of dimension 1/E.

The following table contains all existing EXFOR entries that contain data for beta-delayed neutron emission probabilities from individual precursors. with recommendations for corresponding corrections.

Entry No.	Author	Reference	Current reaction code	New reaction code	Units	Comment
12856.003	P.L.Reeder+	J,PR/C,28,1740,1983	ELEM/MASS(0,B-),,PN	Split REACTION to each precursor (SF1) and decay product (SF4).	PC/DECAY-> NO-DIM	
12946.002	R.A.Warner+	C,85SANTA,1,701,1985	ELEM/MASS(0,B-),,PN	Split REACTION to each precursor (SF1) and decay product (SF4).	PC/DECAY-> NO-DIM	
14380.002	K.Miernik+	J,PRL,111,132502,2013	31-GA-86(0,B-)32-GE-86,NUM,PN			No correction required
22245.001	J.P.Omtvedt+	J,ZP/A,338,241,1991			PC/DECAY-> NO-DIM	To restore 002-004 from TRANS.2133
23191.002	M.B.Gomez-Hornillos+	J,JP/CS,312,052008,2011	37-RB-94(0.B-),,PN 53-I-138(0.B-),,PN	Add decay products in SF4.	PC/DECAY-> NO-DIM	
30448.002	G.Engler+	J,NP/A,367,29,1981	ELEM/MASS(0,B-),,PN	Split REACTION to each precursor (SF1) and decay product (SF4).	PC/DECAY-> NO-DIM	
O0540.005 to 021	T.Mehren+	J,PRL,77,458,1996	39-Y-99(0.B-)40-ZR-99,PN etc			No correction required