

**Memo CP-D/312 (Revised)**

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To: Distribution

From: O. Schwerer

Date: 2000-05-06, revised 2000-05-10

Subject: Proposed additions to Dictionary 24:  
New data heading codes E-LVL-INI1, E-LVL-INI2 and  
E-LVL-FIN1, E-LVL-FIN2

For coding production cross sections of unresolved  $\gamma$ -lines with almost identical energies, resulting from transitions in different isotopes, we propose to add these new data headings to dictionary 24.

Such measurements were reported in a paper by Hongyu Zhou et al., NSE, 134, 106, 2000 and compiled in entry 31492 (new subentries transmitted on TRANS 3106).

As an example, one of the relevant subentries is given on the next page (**revised**).

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SUBENT	31492017	20000425			31492 17	1
BIB	2	9			31492 17	2
REACTION	((82-PB-0(N,X)82-PB-207,PAR,DA,G)+				31492 17	3
	(82-PB-0(N,X)82-PB-206,PAR,DA,G))				31492 17	4
	Sum of 2 unresolved gamma transitions				31492 17	5
	with very close energies				31492 17	6
EN-SEC	(E,G)				31492 17	7
	(E-LVL-INI1,82-PB-207)				31492 17	8
	(E-LVL-FIN1,82-PB-207)				31492 17	9
	(E-LVL-INI2,82-PB-206)				31492 17	10
	(E-LVL-FIN2,82-PB-206)				31492 17	11
ENDBIB	9	0			31492 17	12
COMMON	5	3			31492 17	13
E	<b>E-LVL-INI1</b>	<b>E-LVL-FIN1</b>	<b>E-LVL-INI2</b>	<b>E-LVL-FIN2</b>	31492 17	14
KEV	KEV	KEV	KEV	KEV	31492 17	15
656.8	<b>3384.0</b>	<b>2728.0</b>	<b>1997.8</b>	<b>1340.6</b>	31492 17	16
ENDCOMMON	3	0			31492 17	17
DATA	3	3			31492 17	18
ANG	DATA	DATA-ERR			31492 17	19
ADEG	MB/SR	MB/SR			31492 17	20
55.	4.17	0.17			31492 17	21
90.	3.73	0.13			31492 17	22
140.	4.10	0.19			31492 17	23
ENDDATA	5	0			31492 17	24
ENDSUBENT	23	0			31492 1799999	

*Note misprint in original version of memo CP-D/312 (incorrect value for E-LVL-INI1).*