

Memo 4C-3/260

22. November 1982

To: Distribution

From: O. Schwerer *O. Schwerer*

Subject: TRANS tapes 2090; 1138 through 1145

Please find enclosed our comments on TRANS tapes 2090 and 1138-1145.

From TRANS-2090 we request retransmission in three cases.

From the Area 1 TRANS tapes we request retransmission in two cases because of mistakes in data tables. Besides, we found several wrong nuclides given under DECAY-DATA.

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Comments on TRANS-2090

1. In all SUBENT records of this tape, the N<sub>1</sub> number was too high by 1. The error report sent to NEA-DB was produced after correcting this.
2. As far as we know, in the  $^{197}\text{Au}(n,\gamma)$  reaction the metastable state  $^{198\text{m}}\text{Au}$  is not activated. Therefore the product nucleus is to be coded neither 79-AU-198-G+M nor 79-AU-198-G but only 79-AU-198. (The -G extension in the reaction product field should be used only to define a partial cross section.) We corrected entries 20765, 20767, 20774, 21690 and 21768 accordingly.
3. In Subentry 21690.006, under ASSUMED a reaction combination (ratio of 2 reactions) is given. Although not mentioned in the Manual this is not possible because of the structure of the ASSUMED code (heading, reaction) where the reaction is not enclosed in extra parentheses. Since this is probably a rare case it would perhaps suffice to give these data under MISC (in particular in the case of this subentry where ASSUM3 is the ratio of ASSUM1 and ASSUM2). Please retransmit.
4. In subentry 21782.030 EN is missing but an angle is given which does not belong there. Retransmission is requested.
5. In subentry 21786.002 no ASSUMED value is given although defined in the BIB section. Retransmission is requested.
6. Entry 21751: Sample temperatures should be given in the COMMON section, not only in free text.
7. Subentry 21768.004:  
DECAY-DATA: 72-HF-180 should read 72-HF-181  
DECAY-MON: 79-AU-197 should read 79-AU-198-G

Comments on TRANS 1138 - 1145

TRANS 1138

<u>Entry</u>	<u>Subentry</u>	<u>line</u>	
10113	7	40	col. 44: '1' should be deleted
10962	2	6	36-RB-88 should read 37-RB-88
		19	42-NB-99 " " 42-MO-99
		25	44-RH-106 " " 45-RH-106
		33	48-AG-114 " " 47-AG-114
12721	1		BIB record: N1 should be 10

TRANS 1139

<u>Entry</u>	<u>Subentry</u>	<u>line</u>	
10121	6		BIB record: N1 should be 1
	9	7	6-CM-247 should read 96-CM-247
10137	4,5	11	belongs to HISTORY, not STATUS

TRANS 1140

11407	15	4	44-RU-96 should read 44-RU-97
	20		DATA section: delete MONIT column (monitor = reaction)
11447	26		DATA section: delete EN-DUMMY column (given in subentry 1 already)
	30	5	30-ZR-65 should read 30-ZN-65
	74,75	5	49-IN-115 " " 49-IN-116
	82	5	50-SN-122 " " 51-SB-122
	127	6	81-TL-205 " " 80-HG-205

TRANS 1141

10145	14	4	45-RN-106 should readh 45-RH-106
10803	2	282	} EN not monotonic. Retransmission requested
	3	246	
12705	2	11	40-ZR-95-G should read 40-ZR-95
		31	45-RH-109-G " " 45-RH-109

TRANS 1142

10155	2	69	EN-RES missing. Retransmission requested
10157	10,13	6	delete col. 1-11 (keyword repeated)
10181	2	15	value '104' in wrong position

TRANS 1143

10202	5	3	20-CA-040 should probably be 20-CA-0
10205	7		BIB section: add MONITOR line (same as in subentry 4)
10921	2,3		Data heading EN-NRM-RSL not valid. Change or propose for inclusion in Dict.24

<u>Entry</u>	<u>Subentry</u>	<u>line</u>	
10963	1,2		Move COMMON section from subentry 1 to subentry 2
11458	10-13		MOMENTUM-L should read MOMENTUM L
12742	1	4	82ANTWERP should read 82ANTWER (8 characters only to conform with CINDA)
<u>TRANS 1144</u>			
12117	3	3	SIG should read SIG/RAT
12212	3	12	col.1-11: DATA should read EN-DUMMY
<u>TRANS 1145</u>			
10047	1		BIB record: N1 = 11
10213	1	23	METHOD keyword used twice
12744	2	5	a) 1-H-2 should read 1-H-3 b) 6.255+3 should read 6255. (floating-point not permitted in DECAY-DATA)
	3	5	as b) above. Energies of prompt $\gamma$ s should be given in the data section under the heading E (with explanation in the BIB section using EN-SEC, if necessary) rather than under DECAY-DATA.