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4C-1/170

DATE: March 13, 1986
TO: Distribution
FROM: V. McLane *VM*
SUBJECT: TRANS 2107

Enclosed is the list of comments on TRANS 2107. Many data sets did not have the reaction product given; a list of these is given separately.

Errors noted which should have been caught by the NEADB checking code:

- Missing reaction SF4
- Data field exponents not right-adjusted
- Empty fields in DATA section


Charles L. Dunford

VM:al

Distribution
V. Manokhin
J. J. Schmidt
N. Tubbs
NNDC (6)

cc. Cullen
Gandarias
Goalo
Lawrence
Lawrence C
Ochsens
Ochsens
Schmidt
Schweizer
Sesto

<u>AN</u>	<u>SAN</u>	<u>SEQ</u>	<u>COMMENT</u>
21813	✓ 4	15	Data exponent not right-adjusted *
	✓ 7	15	Data exponent not right-adjusted
* 21980	{ 2,4,6 8 9 ✓		Illegal multiple reaction, energy error field empty Energy error field empty Energy error field empty, remove → unlinked pointer in DATA
21981	{ 1 2,3,4	3	Add paper number Illegal multiple reactions
21982	✓ 2	13	Headings should be E-MIN and E-MAX
* 21983	— 3		Remove element and isomer as these are total chain yields arrived at by measuring different nuclides. Add either decay-data or flag to explain method of arriving at chain yield. Perhaps also MISC-COL with estimated fraction of total chain yield for nuclide measured.
21984	✓ 1	3,4	85SANTA should be main reference, add paper #.
	✓ 66	3	Reaction should be 6-C-12(N,N+2A)2-HE-4
21986	! ✓ 41,42	3	Reaction should be 3-LI-6(N,2N+P)2-HE-4, <i>PAR,DA,N</i>
	! ✓ 82,83	3	Reaction should be 3-LI-7(N,2N+D)2-HE-4, <i>TR,DA,N</i>
* 21987	3		Energy missing <i>KT given!</i> <i>Thresh = 11 MeV ✓</i>
21988	1	17	Reaction SF3 should be "P" <i>if is P!</i>
	✓ 2	3-8	Reaction SF4 missing but would be better coded as 13-AL-27(N,X)1-H-3
21989	— 2		Monitor missing EN-ERR should probably be EN-RSL
21990	✓ 2-7		EN-ERR should be EN-RSL

*Please Retransmit

<u>AN</u>	<u>SAN</u>	<u>SEQ</u>	<u>COMMENT</u>
991 21199	2,4	7	which appeared in _____?
	2,4,6,8,10 ✓✓✓✓✓		DATA should be DATA-MIN
	✓10	17	Data exponent not right-adjusted
* 992 21192	2,3,7,8,9		Illegal multiple reaction
21993	2		Data not monotonic
21994	✓ 2-8	3	M/M+G should be M/T
		7	Delete trailing commas from DECAY- <u>MON</u> <u>DATA</u>
* 21995	2,3		Illegal multiple reactions
21996	1		ERR-ANALYS belongs in subentry 2

The following data sets are all missing reaction product (SF4):

21813	004 ✓ 007 ✓		
21954	2-9 3-6,8,9		
(21980	2-9 retr.)		
21984	55-65,90-96,120-123		
21985	2 ✓✓		
21986	33-36,72-77 ✓		→ 75 not cov.
21988	done ✓		
21989	2 ✓		
21990	1 ✓ (MONITOR)		
	2-7 ✓		
(21992	2-9 retr.)		
21993	2 ✓		