

Memo 4C-3/287

5 November 1985

To: Distribution

From: Otto Schwerer *O Schwerer*

Subject: TRANS 1197, 4059

Please find enclosed our comments on TRANS 1197 and 4059.

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Comments on TRANS 1197

<u>Entry</u>	<u>Subent</u>	<u>Line</u>	
12914	7	3	SF4 missing
12919	2	4	delete 'MASS' in MONITOR code (not used in DATA section)
	3	6	SF4 missing
13002	3	9	repetition of ANG not legal, use ANG-MIN, ANG-MAX
13005	4	39	data value in wrong position
13008	2	10)	
	3	14)	EN-MAX should read E-MAX

Comments on TRANS 4059

<u>Entry</u>	<u>Subent</u>	<u>Line</u>	
40410	2,3		Delete EN-MAX from COMMON section (over specification because EN-RES given in DATA section)
40591	1		Move EN-MIN and EN-MAX from COMMON section of subentry 1 to subentry 4 because in the other subentries resonance energy is given
40667	1	4	Remove '(' in col. 12
40669	2-5	3	REACTION: add 'FF' to SF7 (...,DA,FF,RSD)
(40720-40724			It is not clear to us why these 5 entries are not combined in 1 entry.)
40724	2		4 energy values are repeated with insignificant cross section differences. Why?
40746	2		Delete EN-MIN, EN-MAX from COMMON section, because resonance energy given under REACTION 1.
	4	7-11	ENDSUBENT record: col.74 must be '4'
40843	2 2-5*)	3	col.33: ')' should be ',' 'Spectrum average' not defined. Explain using keyword INC-SPECT and heading EN-MEAN (or EN-DUMMY) or delete modifier SPA.

40845*)	6-9		illegal use of multiple reaction formalism. Total, elastic and inelastic cross-sections must be coded in separate subentries.
40846*)	1		EN-MIN, EN-MAX must be moved to subentries 3 and 5
	3		REACTION 2: level density parameter LDP has to be coded with the <u>compound</u> nucleus in SF1 (see Lexfor "Nuclear Quantities"), i.e. in this case 65-TB-160(0,0),,LDP). <u>Separate subentry</u> needed for LDP.
	5		REACTION 2: 65-TB-160(0,0),,LDP given; should perhaps be TB-161(0,0),,LDP? Separate subentry is needed anyhow, because "nuclear quantity" LDP should not be coded in same subentry with resonance parameters.
40847	2	3	col.29: ')' should be ','
40850	2		delete EN-MIN, EN-MAX from COMMON section
	6	5	,,WID/RED,,AV/2G should be ,,WID/RED,, <u>2G/AV</u> ('general' modifiers like AV must be in last position)
		8	N1= <u>5</u>
40854	1		Probably EN=3 MEV should be added to COMMON section (no EN given in this entry)
	2-4	3	delete 'PAR' from SF5
40855	1	6	REFERENCE code has too many subfields. Probably one '15' subfield should be deleted
40857	2	3,5	delete 'PAR' from SF5
	3	3,SIG,,AV/RTE should beSIG,,RTE/AV

*) Retransmission requested