<u>Memo 4C-3/349</u>

16 May 1990

To: Distribution

From: O. Schwerer *[signature]*

Subject: Comments on TRANS 1236, 1237, 1238, 4077, 4078

        Please find attached our comments on the above TRANS tapes.

        Only in a few cases we request transmission. However, for the sake
of consistency of the master files, it would be desirable to retransmit
even entries where only minor corrections are necessary (e.g. missing
decimal points, or missing modifiers in REACTION SF8).

                                              [signature]
                              Clearance: J.J. Schmidt

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#3067N

Comments on TRANS 1236

Entry	Subent	Line(s)	Comment
13153	6	5	47-AG-109 should read 47-AG-110-M
13159	2,3,4	9 (8)	EN-RES 1 " " DATA 1
13177	4	97	numerical data in wrong position
13180	2	107	" " "
13325	2	42,44,46, 50,52,58, 60,64,66, 70,72,74, 76,78,80	ISOMER column: should be <u>blank</u>
13332	2		heading ELEMENT repeated
13335	3,4,5		error headings inconsistent between BIB and DATA sections delete 0. in ISOMER column
13341	2,4		heading ELEM-NM repeated (The new headings ELEM-NM, ELEM-DN will be added to dictionary 24).
13342 *)	2		invalid numerical data '104', should be 1.4 or 1.04 or ...?
13344	5		indep. variable repeated
	6		delete ISOMER column
13345	3	16	decimal point missing
	7*),8*)		ELEMENT missing in DATA section, or delete from REACTION SF4
	8	19	decimal point missing
13354	2	4	unit HR missing for half-life
13356	2	11,13	ISOMER should be blank
13362	2	4	decimal point missing
13363	2	12	numerical data in wrong position
13367	2	19,21,27, 31,35	))
	3	15,16,18, 20,24,25, 26,28	) ISOMER should be blank)))
13382	2	14,15,16, 18	))

*) Retransmission requested

Comments on TRANS 1237

Entry	Subent	Line(s)	Comment
12739	4	110	decimal point missing
13176	2,3,4		'DATA 1' field: exponent not right-adjusted within field
13182	2		EN field: exponent not right-adjusted within field
13255	4	42	numerical data in wrong position
	5		headings ELEMENT and MASS exchanged
	5	43	numerical data in wrong position
13402	1	5	unknown report code MIT-TR-
	3	3,6	36-RB-86 should read 37-RB-86
13404	2	8	decimal point missing
		17	46-PD-122 should read 46-PD-112
13428	2	12	units for MASS should be NO-DIM
13438	2	17	decimal point missing
13441	2	15	ISOMER should be blank
13444	4		headings ELEMENT and MASS exchanged
13446	3	33	ISOMER should be blank
13448	2,5		ISOMER column contains no data entries, should be deleted
	3	28	decimal point missing

Comments on TRANS 1238

Entry	Subent	Line(s)	Comment
12691	2	all data lines	ISOMER should be blank
13079	2	5)	decimal point missing
	3	24)	

Comments on TRANS 4077

Entry	Subent	Line(s)	Comment
40699	3-7	3	SF7=P is redundant for (N,P) reaction and should be deleted (but must be kept for the (N,N+P) reaction)
40924		2-16	check use of modifiers SPA and AV. For the "quasi-monochromatic" neutron beams at 55 keV (width 2 keV), probably <u>no</u> modifier should be used. Subents 10-12 are coded ...STF,,AV with free text "average over neutron spectrum" which corresponds exactly to the modifier SPA (but not AV).
40953	4		heading ANG repeated. Perhaps it would be sufficient to give 135° in free text and only 45° in the COMMON section; or use ANG1 and ANG2 with explanation in free text.
40987	2,3)		add 'AV' to REACTION SF8
40989	2,3)		
40996	2		add 'FIS' to REACTION SF8

Comments on TRANS 4078

Entry	Subent	Line(s)	Comment
40196	1	38	E-LVL used for MONITOR reaction in subentry 1. Since information in subentry 1 is valid for all subentries, this is in conflict with using E-LVL in subentries 2,3,... for the REACTION.
41002	2	3,4	add modifier 'A' (times natural isotopic abundance) to SF8 of both reactions, because it is weighted sum
41003	1	1	journal code KUV is new; no volume?
41004	2		since the reaction product (63-EU-153) is stable, it should be explained under METHOD how this cross section was measured by "activation" (probably indirectly using ASSUMED quantities, as probably explained in reference)