

Memo 4C-3/322

24 February 1988

To: Distribution

From: O. Schwerer *O Schwerer*

Subject: TRANS 2120 and 4068

Please find attached our comments on TRANS 2120 and 4068.

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Comments on TRANS 2120

Entry	Subent	Line(s)	Comment
21926	14	23	add pointer '2' to DATA-ERR
21973*)	2-5		ERR-ANALYS: free text states "systematic errors and corelation matrices are given in tables 3 and 4 in main ref." Since this is a precision measurement of important dosimetry reactions, the complete error information should, in my opinion, be given in EXFOR (in COMMON and DATA sections and/or free text).
	4,5		Since the REACTION coding of subentry 4 (-M/G,,SIG) is inconsistent with the data section (units MB) and the REACTION free text of subentry 5 appeared confusing, I went back to the main reference. Subentry 4 contains the total (n,2n) cross section, therefore <u>no isomer extension</u> must be given.  Subentry 5 contains neither the total nor the -G cross section but the quantity $\sigma^* = \sigma_g + \sigma_m \lambda_m / (\lambda_m - \lambda_g)$ which need not be compiled because $\sigma_m + \sigma_g$ (subentry 4) was derived from it simply by applying the correction factor $f = 0.9964$ . (It might however be convenient for the user if the uncorrected data and/or the correction factor are given in free text in subentry 4). If subentry 5 is kept nevertheless, the REACTION should be coded .....,,SIG,,FCT) and subentry 4 should be labelled <u>dependent</u> . However, I think subentry 5 should be deleted since it contains only the "raw data" of subentry 4 but no other measurement.
22011*)	2-5		Delete ANG from data table (compare our comments in memos 4C-3/308 and 4C-3/312 on the same entry).
22037	1	12	SF4 missing

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\*) Retransmission requested

Comments on TRANS 4068

Entry	Subent	Line(s)	Comment
40476	5	5	pointer '2' not needed in this line
40499*)	1		keyword COMMENT repeated in same BIB section which is illegal. Anyway, the first 'COMMENT' should go under MONIT-REF (with book code NIKOLAEV) or MONITOR (if free text only) and the second one belongs to METHOD. COMMENT should be used only if no other, more specific keyword is applicable.
40510*)	2		If resonance energy is given as a REACTION under heading DATA 1, no EN (or EN-MIN, EN-MAX) must be given in COMMON or DATA section. Therefore the COMMON section should be deleted.
40729*)	17-25		ASSUM1, ASSUM2 coded twice: (subentry 17) ASSUM1 = 63-EU-151(N,G),,WID,,AV but at the same time  ASSUM1=(82-PB-0(N,TOT,,SIG)/(6-C-0(N,TOT),,SIG)  from subentry 1 which is valid for <u>all</u> subentries. One solution is to change ASSUM1, ASSUM2 to ASSUM3, ASSUM4 in subentries 17-25. But is ASSUM1, ASSUM2 really needed for all subentries?
40798	3,4	3	delete 'SUM' (now obsolete)
40850*)	2,5		delete EN-MIN, EN-MAX in COMMON section (see comment on entry 40510)

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\*) Retransmission requested