

Memo 4C-3/377

=====

To: Distribution

7 September 1995

From: O.Schwerer

Subject: Comments on TRANS 2134

Please find below our comments on TRANS 2134. For several entries, labeled with *), we request retransmission. Among them is entry 22268, a complicated measurement of mass and charge distributions for cold fragmentation of Cf-252, for which a detailed discussion by Meinhart Lammer with suggestions for an improved way of compilation is being sent separately to NEA-DB.

Comments on TRANS 2134

Entry	Subent	Comment
-----	-----	-----
22253		KT (used in place of EN) specified twice, delete from subentry 1
22256	1	MONITOR: Delete -T from SF4. In REACTION and MONITOR, the isomer extension -T may be used only in isomeric ratios. MONIT-REF: according to the structure of this keyword, a private communication must be coded either (,MACKLIN,W,MACKLIN,82) or (,W,MACKLIN,82) if you don't want to repeat the author.
	2	Delete -T from REACTION SF4
22257	3	Line 4: code must start in col.12 with opening parenthesis
22259*)	3,4,6,7	EN missing. For average resonance parameters, the energy range of averaging must be given under EN-MIN, EN-MAX.
22262*)	2	Lines 16-19: no DATA given. Either insert the DATA or delete these lines.
	3	EN missing
22263*)	1	MONITOR: delete -T from SF4
		Line 52: delete cols.12-18
	3	DATA not given
22264	2,3,4	Delete -T from REACTION SF4
	4	Line 135: indep.variable not monotonic
22265*)	2,3	This reaction must always be coded 1-H-2(N,2N)1-H-1 (see Lexfor, Light-Nuclei-Reactions). (If, for differential data, the particle considered is the residual proton, P must be given in SF7.)

- 22266*) 1 MONITOR: delete -T from SF4
2 DATA not given. (Should E be changed to DATA?)
- 22267 2 Delete -T from REACTION SF4
- 22268*) 2,3 MISC must not be used as independent variable; on the other hand, DE in REACTION SF6 requires a secondary energy in the DATA table which is missing (or for which the values in the column now headed MISC should be used with proper definition). This entry (both subentries, 2 and 3) needs a major revision; detailed proposals by M.Lammer are sent separately to NEA-DB. Subentry 3 has 2 additional problems:
3 - Line 4: opening parenthesis must be in col.12
- Lines 21,24,48,55,62,67: invalid MASS value =1; all these lines have same DATA value 5.0-2 which is not given in the publication, whereas some other numbers are missing, or DATA values appear in the error column. Please check numerical values of this table.
- 22269*) 2 Delete -T from REACTION SF4
Lines 16-24: DATA not given
- 22270 3 Check REACTION SFs 4,5: I doubt that21-SC-50-G,,SIG is accurate: isomeric state (0.35s) decays to >97.5% to ground state (102.5s), therefore what was measured is probably - within the error limits - approximately equal to the total (n,p) cs; otherwise add M+ to SF5. The given coding is correct only if the m.s. contribution was subtracted.
- 22271 1 MONITOR: delete -T from SF4
- 22272*) This entry should probably be combined with subentries 2-4 of entry 22271, because it seems to describe the same experiment (same authors, method, year, practically identical results).
MONITOR: delete -T from SF4
- 22274*) 2 Headings EN and E given twice (in COMMON and DATA sections) which is illegal. Therefore:
- remove EN from DATA section
- in COMMON section, change E to E-NRM (because at this value, only MONIT is given but not DATA)
- 22275 1 MONITOR: delete -T from SF4
MONIT-REF: see comment on 22256
5-8 Delete -T from REACTION SF4
Line 4: opening parenthesis must be in col.12

*) Retransmission requested

Distribution:

SMTP% "DUNFORD@BNLND2.DNE.BNL.GOV"
SMTP% "MCLANE@BNLND2.DNE.BNL.GOV"
SMTP% "TUBBS@NEA.FR"
SMTP% "KONIECZNY@NEA.FR"
SMTP% "MANOKHIN@CJD.OBNINSK.SU"
SMTP% "OLGA@CJD.OBNINSK.SU"

NDS:

SMTP% "AUNG@RIPO1.IAEA.OR.AT"
ARCILLA
LAMMER
LEMMEL
OBLOZINSKY
PASHCHENKO
SCHWERER
WIENKE