

Memo CP-D/266

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To: Distribution

15 April 1996

From: O.Schwerer

Subject: Comments on TRANS A032, A033

Please find below our comments on TRANS A032 and A033. Entries for which we consider correction and retransmission by CAJaD very important are labeled with *). Several corrections were done by NDS before transmitting these TRANS tapes to the other centres; these are mentioned here for information to CAJaD and are marked in the list below with "CORR.NDS". CAJaD is asked to check the remaining errors for necessary correction and potential retransmission.

Comments on TRANS A032

General comments:

- Alter flags in col.80: often missing
 - IND in REACTION SF5 often redundant
- (Compare our remarks on both topics in memo CP-D/259 on TRANS A031)

Detailed comments

Entry	Subent	Comment
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A0538	4	Line 3: add -G to SF4 (M+ in SF5 is only meaningful with -G in SF4. Compare A0555.003,8 where it was done correctly) (CORR.NDS)
A0540	2	Line 4: delete 'A' from SF7 (redundant) (CORR.NDS)
A0546	3	see A0538 (CORR.NDS)
A0542*)	2,3) Isomeric ratios must be coded as implicit ratios
A0546*)	2) using ...-M/G,,SIG/RAT
A0547*)	2,3)
A0556*)	2,7)
A0544*)	1	ERR-ANALYS: If EN-RSL is an uncertainty (as explained in free text) rather than a resolution. The heading should be changed to EN-ERR1, and consequently, EN-ERR should be changed to EN-ERR2.
A0551	2*)	Free text explanation of these 3 reactions is not sufficient, coding should be improved the following way: - add PAR to SF5 of first 2 reactions, also to 3rd reaction unless this is total; - give level energy (or level-number) in COMMON section and

define under EN-SEC
(compare subentry 26 where this is correct)

- 16-23*) Since it refers to neutrons, E-EXC should be changed to E
(in COMMON and under EN-SEC)
- 28-31*) PAR,DA/DE: these are double-diff. neutron prod. cross sections
for particular levels of Be-8, in mb/sr/MeV. Either outgoing
neutron energy missing, or some other inconsistency.
- 29 add PAR to SF5 (same quantity as subents 28,30,31) (CORR.NDS)
- A0552*) 6-9 Add PAR to SF5 and E-LVL to COMMON section and EN-SEC, as
done correctly in subentries 10-12
- A0555*) 2-11 Q-VAL is equivalent to a secondary energy (e.g. E-LVL) and
may only be given if SF5 = PAR. General information on the
Q-value of e.g. the (a,n) reaction may be given in free text
only.
- A0559*) 5 Since UND is given in SF5, both reactions should be coded
(A,2N+P) and therefore implicit isomeric ratio should be given
....-M/G,(CUM)/UND,SIG/RAT,,,EXP

Comments on TRANS A033

- A1089 2,3 (T,N+N) should be (T,2N) (CORR.NDS)
- 3 delete 'N' from REACTION SF5
- A1192 3 REACTIONDA,,RS0 not in dictionary 36,
will be proposed (see memo CP-D/267)

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