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Subject: Memo CP-D/281
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To: Distribution 1997 19 February

From: O.Schwerer

Subject: 1. Mistake in dictionary 34; 2. Comments on TRANS A038

1. Dictionary 34: COS missing due to mistake

In our last dictionary transmission 9072, the code COS (Cosine coefficients) in dictionary 34 was omitted due to an unexplained mistake. It will be reinstated in the next dictionary update. COS happens to occur also in the new TRANS A038 mentioned below. We apologize for any inconveniences this error may cause. The dictionary 36 quantities containing COS are not affected.

2. Comments on TRANS A038

Subentry A0349.005: Added -G to nuclide in DECAY-DATA

Subentry A0514.002 FLAG (3.) used in DATA section but not defined in BIB section. Retransmission requested.

Entries A0502, A0512, A0513, A0514, A0515, A0557: Distinction between independent, cumulative and "unclear" cross sections by FLAG is probably not the best solution. What about using different REACTION codes

IND,SIG
CUM,SIG
(CUM),SIG (with free text explanation of "uncleanness")
IND/M + ,SIG

with either multiple reaction formalism or splitting into several subentries? We understand however that the compactness of the tables, which may be more user-friendly but has less accurate data definitions, would be lost. We request either retransmission or discussion at the forthcoming data centres meeting.

Subentries A1153.002-007: REACTION SF9 should be = EVAL or CALC rather than EXP because under REL-REF many references with code 'E' (=reference used in the evaluation) are given, and METHOD is CALCULATION. (I assume that the data are not the original experimental data given in the references under REL-REF, because these should not be combined into the same subentry. Probably the data were obtained by some fitting and/or renormalization. If they are just an intermediate step for obtaining the evaluations given in subentries 8 - 13, they might be omitted altogether.) Retransmission requested.

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