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**Memo 4C-1/220**

**DATE:** June 7, 1994  
**TO:** Distribution  
**FROM:** V.McLane  
**SUBJECT:** Comments on transmission file 2133

Enclosed are comments on the EXFOR Transmission file 2133.

cc. Arcilla  
Gausman  
Lammes  
Lemmel  
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Schworer  
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Distribution:

V. N. Manokhin  
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NNDC (3)

| AN     | SAN | Seq.#  | Comment  |
|--------|-----|--------|--|
| 22231  | 2-3 | 3      | This reads as partial c/s to exc. in 4He at mean energy given.   |
|        | 2-4 | 5-8    | COMMENT probably belongs under ANALYSIS  |
| *22231 | 4   | 4-8    | Should be entered under EN-SEC (E-LVL,4-Be-9) and ANALYSIS, add E-LVL=2.4 MEV to COMMON  |
| *22231 | 6-7 |        | For partials through g.s. of 8Be, add EN-SEC (E-LVL,4-BE-8), and E-LVL = 0. to COMMON<br>Supply definition of E-EXC-MAX and E-EXC-MEAN |
|        |     | 4-7    | COMMENT probably belongs under ANALYSIS  |
| *22231 | 8   | 3      | REACTION should be ... (N,N+2A)2-HE-4...   |
| *22232 | 1   | 3      | Comma missing between volume and issue #   |
| *22232 | 2   |        | Energy missing   |
| *22233 | 2   |        | Energy missing   |
|        |     | 3      | Illegal units vs. REACTION; add REL to SF8?  |
|        |     | 5-6    | Duplicate institute  |
|        |     | 21     | Data heading should be (E-ERR)   |
|        |     | 31     | Change DATA-ERR to ERR-S   |
|        |     | 60-143 | E-LVL-INI and E-LVL-FIN fields off by 1 column   |
| *22234 | all |        | Energy missing   |
| *22234 | 3   | 4      | Nucleus should be 27-CO-60-M   |
| *22235 | 2   | 13     | Data fields shifted  |
| *22236 | 2   | 7      | Data heading should be EN-RES  |
| *22237 | 1   | 36     | Delete data heading, not given in data   |
| *22237 | 2   | 10     | DATA-ERR should be ERR-S   |
| *22238 | 1   |        | Energy missing   |
|        |     | 18     | Delete code, not for REACTION source   |
| *22238 | 2-7 | 3      | Add SPA to SF8   |
| *22238 | 2-7 |        | Data field 1 illegal, right-adjust   |
| *22239 | 1   |        | Energy missing   |
| 22240  | 1   | 55     | Missing free text  |
| *22240 | 2-4 | 3      | Illegal SF4  |
| *22241 | 2-9 |        | Energy missing   |
|        | 2-9 | 3      | Add AV to SF8  |
|        | 5-9 | 3      | Missing SF4  |
| *22242 | 2   | 3      | REACTION should be .... (G,N)1-H-1,,DA,,FCT)   |
| *22242 | 3   | 3      | REACTION should be .... (G,N)1-H-1,,DA,P,FCT)  |
| *22242 | 4   | 3      | REACTION should be .... (G,N)1-H-1,,POL/DA,,ASY)   |
| 22243  | 1   | 39     | SF4 missing  |
| 22244  | 1   | 38     | SF4 missing  |
| *22245 | all |        | Deleted, decay data  |
| *22246 | 1   |        | Energy missing   |
|        |     | 37     | Outgoing particle sequence incorrect   |
| *22249 | 1   |        | Energy missing   |
| *22249 | 2   | 5-11   | Repetition of BIB from SAN 1   |
|        |     | 24     | Data heading should be E-ERR   |
|        |     | 34     | DATA-ERR should be ERR-S   |
|        |     | 36-503 | Data heading should be E-ERR   |
| *22250 | 2-7 | 3      | REACTION should be ....,POL,,ASY)  |
|        | 2-7 | 11     | Data units should be NO-DIM, values should be divided by 100.  |
| 22250  | 3   | 4      | Duplicate definition of DATA-ERR   |
| 22251  | 1   | 9      | Free test missing  |
| *22251 | 2   | 3      | REACTION should be (22-TI-0(N,EL)22-TI-0,,DA)  |
| *22251 | 3-5 | 3      | REACTION should be (22-TI-0(N,INL)22-TI-0,PAR,DA)  |
| *22251 | 6   | 3      | REACTION should be (42-MO-0(N,EL)42-MO-0,,DA)  |
| *22251 | 7   | 3      | REACTION should be (42-MO-0(N,INL)42-MO-0,PAR,DA)  |
| *22251 | 8   | 3      | What is REACTION? No secondary energy.   |
| *22251 | 9   | 3      | REACTION should be (50-SN-0(N,EL)50-SN-0,,DA)  |

\*22251 10 3 REACTION should be (50-SN-0(N,INL)50-SN-0,PAR,DA)  
\*22252 1 Energy missing  
\*22252 2-3 4 SF3 should be INL