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Memo CP-D/351

Date: 13 February 2003
To: Distribution
From: O. Schwerer

Subject: Proposed modified format for DECAY-MON: add heading field

If more than one monitor is given, in many cases pointers cannot be used because their use is restricted to multiple reactions, vector common data and BIB/BIB links (which is sometimes overlooked). Therefore headings MONIT1, MONIT2, etc. must be used often. To link these headings to the appropriate MONIT and MONIT-REF codes, these headings are included as optional fields in the MONIT and MONIT-REF codes, but this is not yet possible for DECAY-MON.

Following a suggestion by V. McLane (in a comment on PRELIM.3112), I propose to include this optional heading field also for DECAY-MON in the same way as for MONIT-REF.

The format of DECAY-MON will then be

((heading)nuclide, half-life, radiation)

Example:

```
DECAY-MON ((MONIT1) 21-SC-46-G, 83.81D, DG, 889.3, 0.999840,
           DG, 1120.5, 0.99870)
          ((MONIT2) 21-SC-47, 3.345D, DG, 159.4, 0.683)
```

Note that with this, the formats of DECAY-MON and DECAY-DATA are different insofar as DECAY-DATA will not have this new heading field but has (as an option) the "decay-flag" field in the same position.

If agreed, the EXFOR Manual section on DECAY-MON should be updated accordingly.