

**Nuclear Data Section
International Atomic Energy Agency
P.O.Box 100, A-1400 Vienna, Austria**

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.

Distribution:

oblozinsky@bnl.gov
vml@bnl.gov
nordborg@nea.fr
kellett@nea.fr
manokhin@ippe.obninsk.ru
maev@ippe.obninsk.ru
may@obninsk.ru
feliks@polyn.kiae.su
chukreev@polyn.kiae.su
dunaeva@expd.vniief.ru
taova@expd.vniief.ru

varlamov@depni.sinp.msu.ru
chiba@earth.sgu.ac.jp
kato@nucl.sci.hokudai.ac.jp
oba@nrdf.meme.hokudai.ac.jp

yxzhuang@iris.ciae.ac.cn
gezg@iris.ciae.ac.cn
cndc@mipsa.ciae.ac.cn
tarkanyi@atomki.hu
s.takacs@atomki.hu
hasegawa@ndc.tokai.jaeri.go.jp
vlasov@kinr.kiev.ua
kaltchenko@kinr.kiev.ua
ogritzay@kinr.kiev.ua

jhchang@kaeri.re.kr
ohtsuka@nucl.sci.hokudai.ac.jp
m.wirtz@iaea.org
m.lammer@iaea.org
v.pronyaev@iaea.org
schwerer
zerkin