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

Memo CP-D/543

Date: 21 January 2009
To: Distribution
From: N. Otsuka, O. Schwerer

Subject: **Update of Dictionary 236 (Quantities) - PAR/IND,FY,G**
Reference: **Memo CP-D/542**

Quantity code PR,SPC is defined as follows in the dictionary 236:

Code	Family	Expansion
PR,SPC	SPC	Intensity of prompt fission gammas

with the following comment:

"If given as yield in percent/fission, use PAR/IND,FY,G".

Memo CP-D/542 proposes the change of its unit family (dimension) from SPC to FY to which PC/FIS (percent/fission) also belongs. This means PAR/IND,FY,G is no longer necessary.

Dictionary 236 (Quantities)

PAR/IND,FY,G (Made obsolete)

There are 3 subentries coded with PAR/IND,FY,G – 30418.002 and 40966.012-013.

30418.002

Authors give intensity of discrete prompt gamma as a function of fission product nuclide for ^{252}Cf spontaneous binary and ternary fissions. Intensities I_B (intensity for binary fission) and I_{LCPA} (intensity for light charged particle accompanied fission) in Table 1 of the article [1] should be compiled with

(98-CF-252(0,F)ELEM/MASS,PR,SPC)

and

(98-CF-252(0,F)ELEM/MASS,PR/TER,SPC)

, respectively.

40966.012-013

Authors give intensity of discrete prompt gamma (registered in the time interval less than 10^{-8} sec after the fission event) as a function of fission product for ^{235}U and ^{238}U neutron-induced fission at 3 MeV. Table 2 of the article [2] should be compiled with

(92-U-235(N,F)ELEM/MASS,PR,SPC)

and

(92-U-238(N,F)ELEM/MASS,PR,SPC)

, respectively.

References

[1] N. N. Ajitanand *et al*., Nucl.Phys.A**246**(1975)505.
[2] A.A.Filatenkov *et al*., Yad.Konst.**1988** No.**2** (1988)56 (in Russian. V. Pronyaev (CJD) translated the definition of the quantity to English for us.)

Distribution:

a.mengoni@iaea.org
a.nichols@iaea.org
blokhin@ippe.ru
chiba@earth.sgu.ac.jp
claes.nordborg@oecd.org
exfor@nea.fr
ganesan@barc.gov.in
gezg@ciae.ac.cn
hasegawa@nea.fr
henriksson@near.fr
hongwei@ciae.ac.cn
jhchang@kaeri.re.kr
kaltchenko@kinr.kiev.ua
katakura.junichi@jaea.go.jp
kato@nucl.sci.hokudai.ac.jp
kirarlyb@atomki.hu
l.vrapcenjak@iaea.org
manokhin@ippe.ru
mmarina@ippe.ru
mwherman@bnl.gov
nklimova@kinr.kiev.ua
n.otsuka@iaea.org
nrdc@jcprg.org
oblozinsky@bnl.gov
ogritzay@kinr.kiev.ua
otto.schwerer@aon.at
samaev@obninsk.ru
s.babykina@polyn.kiae.su
s.dunaeva@iaea.org
stakacs@atomki.hu
stanislav.hlavac@savba.sk
taova@exped.vniief.ru
tarkanyi@atomki.hu
varlamov@depni.sinp.msu.ru
vlasov@kinr.kiev.ua
vmclane@optonline.net
v.zerkin@iaea.org
yolee@kaeri.re.kr