

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

Memo CP-D/553 (Draft)

Date: 87 April 2009
To: Distribution
From: N. Otsuka
Subject: **Dictionary 236 (Quantities) – Total kinetic energy**

A particle pair code LF+HF has been used to represent total kinetic energy (i.e. sum of ~~light and~~ heavy fragment kinetic energies).

Code (Dict.236)	Definition
PRE, DE, LF+HF	Total kinetic energy distribution for primary fission fragments
PRE, AKE, LF+HF	Average total kinetic energy for primary fission fragments
SEC, AKE, LF+HF	Average total kinetic energy for secondary fission fragments

On the other hand, ,KE/CRL,LF/HF has been used for total kinetic energy of fission fragments with specific mass number and/or atomic number. For consistency with other 3 quantity codes in the table, I would propose to use ,KE,LF+HF instead of ,KE/CRL,LF/HF in future transmission.

In addition, I would propose a new quantity code for total kinetic energy for secondary fission fragments for some articles [1-4] compiled in PRELIM.2207 (21313.015-016, 21543.014-015, 21544.010, 21545.017-018, 21771.013-014).

Dictionary 236 (Quantities)

KE/CRL,LF/HF	(Make obsolete)
KE,LF+HF	(Total kinetic energy for fission fragments <u>for given as function of mass and/or atomic number</u> MASS and/or ELEMENT)
SEC,KE,LF+HF	(Total kinetic energy for secondary fission fragments <u>for given mass and/or atomic number as function of MASS and/or ELEMENT</u>)

書式変更: インデント: 左: 0 mm, ぶら下げ
インデント: 12 字, 最初の行: -12 字

Reference

- [1] M. Ashgar *et al.*, Nucl. Phys. **A311** (1978) 413 (EXFOR 21313)
- [2] M. Ashgar *et al.*, Nucl. Phys. **A292** (1977) 225 (EXFOR 21543)
- [3] M. Ashgar *et al.*, Nucl. Phys. **A311** (1978) 205 (EXFOR 21544)
- [4] M. Ashgar *et al.*, Nucl. Phys. **A368** (1981) 328 (EXFOR 21771)

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
kiralryb@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
scyang@kaeri.re.kr
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