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Memo CP-D/5553 (Draft)

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From: N. Otsuka

書式変更: スウェーデン語 (スウェーデン)

Subject: Dictionary 207 y-236 (Book CodesQuantities) – Total kinetic energyLEDERER-6

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 (Diet.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

The following book code is proposed for Table of Isotopes 6th ed.

書式変更: 上付き

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 207236 (Book codesQuantities)

~~LEDERER-6KE/CRL,LF/HF~~ ——— (C. M. Lederer, J. M. Hollander, I. Perlman, Table of Isotopes,

6th ed., Wiley and Sons, 1967Make obsolete)

~~KE,LF+HF~~ (Total kinetic energy for fission fragments as function of MASS and/or ELEMENT)

~~SEC,KE,LF+HF~~ (Total kinetic energy for secondary fission fragments as function of MASS and/or ELEMENT)

書式変更: 英語 (米国)

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Referencee

[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)

書式変更: 英語 (米国)

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