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Memo CP-D/682

Date: 7 February 2011
To: Distribution
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Subject: Dictionary 236 (Quantity codes) - TER,AKE,LF+HF

A new quantity code is proposed for dictionary 236:

Dictionary 236 (Quantities)

TER, AKE, LF+HF Sum of kinetic energies of unspecified light and heavy fragments in ternary fission.

Note that the authors give

Total fragment energy $\langle E_k(\text{LF})+E_k(\text{HF}) \rangle = 155.4 \pm 0.5 \text{ MeV}$

Total kinetic energy $\langle E_k(\text{LF})+E_k(\text{HF})+E_k(\text{LRA}) \rangle = 177.3 \pm 0.5 \text{ MeV}$

. To distinct these two cases, I do not propose to use “total kinetic energy” in the expansion in the new quantity code for compilation of $(155.4 \pm 0.5 \text{ MeV})$.

Quantity	Reaction Type	Dimension	Subentry
TER, AKE, LF+HF	E	E	30499.002.3

Reference

D.M.Nadkarni *et al.*, Pramana **6**(1976)64 (EXFOR C0820)

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