

**Memo issued on behalf of
National Nuclear Data Center
Brookhaven National Laboratory
USA**

Memo CP-C/390

Date: 16 July 2010
To: Distribution
From: O. Schwerer, N. Otsuka, V. McLane
Subject: **Dictionary 236 (Quantity codes)**
PR,NU/DE
,KE
,KEM

The revision of entry 10614 (TRANS 1364) contains the quantities

PR,NU/DE
,KE
,KEM

These need to be added to dictionary 236, because so far these quantities exist only with particle codes in SF7. In revised entry 10614, no SF7 is needed (with NU in SF6 defining fission neutrons, or referring to the product in SF4).

Therefore we propose to add the following new quantity codes:

Dictionary 236 (Quantities)

PR, NU/DE Energy spectrum of prompt fission neutrons
, KE Kinetic energy of reaction product
, KEM Temperature of Maxwellian distribution of reaction product

Also the following change of expansion is proposed:

Dictionary 236 (Quantities)

PR, DE, N Differential cross section of prompt neutrons with respect to
energy of prompt neutrons.

Reference

L.Green *et al.*, Nucl.Sci.Eng. 50, 257 (1973) (EXFOR 10614)

Quantity	Reaction Type	Dimension	Subentry
PR, NU/DE	NUE	FYDE	10614.002-007
, KE	E	E	10614. 008
, KEM	E	E	10614. 009

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