

## Memo CP-D/355

**Date:** 21 February 2003

**To:** Distribution

**From:** M. Lammer

**Subject:** 1) **Dictionary 24: re MASS-RATIO**  
2) **Dictionaries 32, 36: New code KEP**

1) I assume that the DATA heading keyword

MASS-RATIO Ratio of Atomic Masses of Fission Fragments

Implicitly means: "Ratio of Atomic Masses of **Binary** Fission Fragments", as I intend to use it for ternary alpha particle data given as function of the (coincident) binary fragment mass ratio, (where the binary fragments are not coded in the reaction string).

I propose to add "Binary" to the explanation in dictionary 24.

2) I propose a new code for Reaction SF6, Dictionary 32:

KEP Most probable kinetic energy of outgoing particle

analogous to AKE, AP and ZP. In the same entry EXFOR30916 mentioned above, most probable kinetic energy values are given for ternary alpha particles (in addition to average kinetic energy).

The use (Dictionary 36) would be the same as for AKE. In particular, the following dictionary 36 quantities are proposed for the present case:

,KEP,A Most probable kinetic energy of alphas  
PRE,KEP,A Most probable kinetic energy of pre-neutron emission alphas  
TER,KEP,A Most probable kinetic energy of alphas from ternary fission

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