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**Memo CP-C/315**

**DATE:** January 31, 2003  
**TO:** Distribution  
**FROM:** V. McLane  
**SUBJECT:** Reaction Field Particle considered (SF7)

For complex quantities for which, *e.g.*, the secondary energy given is for the relative motion between two particles, or the angle is given for the center-of-mass of two particles, a new way is needed to specify the particles considered. Consider for example data set E1748 (TRANS E021). The triple differential cross section is given for the angle of the outgoing tritons and alphas and the energy for the relative motion between the triton and the alpha. (Many other similar cases have been reported).

I propose that we introduce the separator dash (-) to indicate the correlated particles. For the above case, the quantity would be coded as: (.....DA/DA/DE,A/T/A-T)

This might require some retrofitting of previously transmitted entries, but I am willing to look into and report on those, if this proposal is accepted. It would also require updating any codes that parse the REACTION string.

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