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DATE: June 7, 2001
TO: Distribution
FROM: V. McLane
SUBJECT: Unit updates

I have been looking at using the NEW standard codes for the incident and outgoing particles in unit codes. I would like to suggest a change in the use of PRD for the outgoing particle. The main reason for this is that in coding, for example, the number of neutrons/fission, using the code PRD/FIS can be confusing to the user; likewise gammas/fission.

I suggest either (1) we use PRD and PRT for products and particles, or (2) use PRT for both. The codes using options (1) and (2) follow. Two would be the simplest. One might be the least confusing in the case of yield data.

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(1) Using both PRD and PRT we would have the following codes.

Code		Replaces
P/IN/MEVSR	Particles/inc.projectile/MeV/steradian	N/PT/MEVSR
PRD/FIS	Products/fission	PART/FIS
PRD/INC	Products/inc.projectile	NUC/PART
PRD/MUAHR	Products/microaAmpere/hour	PART/MUAHR
PRT/FIS	Particles/fission	(also PART/FIS)
PRT/IN/MEV	Particles/inc.projectile/MeV	N/PART/MEV
PRT/INC	Particles/inc.projectile	GAM/PART and N/PART
PRT/INC/SR	Particles/inc.projectile/steradian	G/PT/SR
PRT/100INC	Particles/100 incident projectiles	GAM/100N

(2) Using only PRT we would have the following codes.

Code		Replaces
P/IN/MEVSR	Particles/inc.projectile/MeV/steradian	N/PT/MEVSR
PRT/FIS	Particles/fission	PART/FIS
PRT/IN/MEV	Particles/inc.projectile/MeV	N/PART/MEV
PRT/INC	Particles/inc.projectile	GAM/PART, N/PART, NUC/PART
PRT/INC/SR	Particles/inc.projectile.steradian	G/PT/SR
PRT/100INC	Particles/100 incident projectiles	GAM/100N
PRT/MUAHR	Particles/microaAmpere/hour	PART/MUAHR