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Memo CP-C/286

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

I have been looking through the gamma spectra data. There are spectra presented in units of gammas/100 captures. We will need new units for this. A possible code is PC/REAC, which could replace PC/FIS.

Looking at the units proposed in Memo CP-C/284, I realize that there is also one inconsistency with the codes proposed, that is, the use of PRT/100INC. This code should probably be changed to PC/INC.

A revised table of proposed codes follows.

Please send comments about the proposed units so we can settle the question soon.

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(1) Using both PRD and PRT, and replacing specific reactions, we would have the following codes.

Code		Replaces
P/IN/MEVSR	Particles/inc.projectile/MeV/steradian	N/PT/MEVSR
PC/INC	Particles/100 incident projectiles	GAM/100N
PC/REAC	Particles/100 reactions	PC/FIS
PC/REAC/MEV	Particles/100 reactions/MeV	PC/FIS/MEV
PRD/REAC	Products/fission	PART/FIS
PRD/INC	Products/inc.projectile	NUC/PART0
PRD/MUAHR	Products/microaAmpere/hour	PART/MUAHR
PRT/REAC	Particles/reaction	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

(2) Using only PRT, and leaving specific reactions, we would have the following codes.

Code		Replaces
P/IN/MEVSR	Particles/inc.projectile/MeV/steradian	N/PT/MEVSR
PC/CPT	Particles/100 captures	new
PC/FIS	Particles/100 fissions	same
PC/FIS/MEV	Particles/100 fissions/MeV	same
PC/INC	Particles/100 incident projectiles	GAM/100N
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/MUAHR	Particles/microaAmpere/hour	PART/MUAHR