Memo 4C-3/333

20 April 1989

To: Distribution

From: M. Lammer and H.D. Lemmel

Subject: CINDA quantities NFY and FRS

     We encountered fission fragment yield data for specified kinetic
fragment energies. We feel that this case, which is not yet foreseen in
the CINDA Manual, must be coded under FRS and not under NFY. This new
data type requires an update of the CINDA Manual for which we submit the
proposed updated page, which includes also some additional clarifications.

                                    Clearance: J.J. Schmidt

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Reaction (Goldstein notation)	Code	Expansion in CINDA book	
	SFG	Spect Fiss γ	Definition: Spectrum of prompt gamma rays emitted in fission. Do not confuse this quantity with Fiss Prod γ (FPG).
	NFY	Fiss Yield	Definition: Yields of fission products or fission fragments.
			Including: independent, cumulative, fractional or chain yields of fission products (identified by Z,A).
			Including: direct or total mass yields of fission fragments.
			Including: ternary fission probabilities.
			Excluding: yield data correlated with kinetic energy of fragments; see FRS.
			Excluding: yields of fragments of a given charge (Z) but unspecified mass; see CHG.
			Note: charge dispersions i.e. (fractional) independent yields for constant A, and charge distributions for constant Z should be entered under NFY and CHG, if the fission products measured are identified by Z and A.
			Note: Some old NFY entries need correcting to FRS.
	CHG	Frag Charge	Definition: Information on the charge distribution of fission fragments, charge dispersion, most probably charge $Z_p(A)$, fractional yields for constant A, etc.
	FRS	Frag Spectra	Definition: The energy or angular distribution of fission fragments.
			Including: Kinetic energy dependent fragment data.
			Excluding: fragment-energy dependent prompt neutron emission, see NUF.
			Note: Some older data of this type have been coded under NFY.