Memo 4C-3/99

To: Distribution 28 May 1974

From: H.D. Lemmel HDL

Subject: Cinda
Proposed new quantity-sort for CINDA 75

As requested by Nigel Tubbs during the recent 4C-Meeting, I am re-submitting a proposal for an improved Cinda-quantity sort. It was agreed that an improved quantity sort should possibly be used in the book CINDA 75.

The proposed general sequence is according to increasing mass of the outgoing particles: elastic, inelastic, gammas out, neutrons out, charged particles out, fission. The same general sequence had been adopted earlier for Wrenda and the quantities dictionary (no. 14) in Exfor.

Details are, of course, debatable. In particular, the option may be considered to collect the resonance-integral quantities and sort them after the resonance parameters as it was preferred in Wrenda. Any other proposals are welcome.

(Note: The present proposal is the same as was included in my letter of 25 Oct 1972 to H. Goldstein with copies to Cinda Centers, with the only exception that resonance parameters are now proposed to be sorted rather at the end of the list, since this is the sort meanwhile adopted for Wrenda.)

Clearance: J.J. Schmidt

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HDL, 28 May 1974

Proposed new sort of CINDA QUANTITIES

The first column gives an internal sorting value for which, in the NDCC program, two digits are available. With few exceptions only odd-numbered sorting values are used so that a new quantity-code could be inserted almost everywhere should it be needed.

1.	EVL	Evaluation
3.	TOT	Total
5.	SEL	Elastic
7.	DEL	Diff Elastic
9.	POL	Polarization
11.	POT	Potntal Scat
13.	SIN	Tot Inelastc
15.	DIN	Diff Inelast
17.	TSL	Thermal Scat
19.	SCT	Scattering
21.	SNE	Nonelastic
22.	REM	Disappearanc*
23.	ABS	Absorption
25.	RIA	Res Int Abs
27.	ACT	Activation *
28.	RIR	Res Int Act *
29.	NG	(n,γ)
31.	RIG	Res Int Capt
33.	SNG	Spect (n,γ)
35.	DNG	Inelastic γ
37.	NEG	Nonelastic γ
39.	N2N	(n,2n)
41.	N3N	(n,3n)
43.	NEM	n Emission
44.	NPR	n Production*

* = quantities dying out

45.	NP	(n,p)
47.	NNP	(n,np)
49.	ND	(n,d)
51.	NND	(n,nd)
53.	NT	(n,t)
55.	NNT	(n,nt)
57.	NHE	(n,He3)
59.	NA	(n,α)
61.	NNA	(n,nα)
63.	NF	Fission
65.	RIF	Res Int Fis
67.	ALF	Alpha
69.	ETA	Eta
71.	NU	Nu
73.	NUD	Delayd Neuts
75.	NUF	Frag Neuts
77.	SFN	Spect Fiss N
79.	SFG	Spect Fiss γ
81.	FPG	Fiss Prod
83.	NFY	Fiss Yield
85.	FRS	Frag Spectra
87.	CHG	Frag Charge
89.	RES	Reson Params
91.	STF	Strnth Fnctn
93.	LDL	Lvl Density
95.	GN	Photo-Fissn
97.	GF	(γ,n)