CRP Benchmark exercise

The tables below give, at the top, the energies proposed for the benchmark exercise, and, within the table, the energies for which calculations were performed.

Table 1: Survey of calculations performed for Comparison (A)

reaction	^{233}U(n,f)		^{238}U(n,f)											^{238}U(p,f)		^{237}Np(n,f)				^{239}Pu(n,f)			^{242}Pu(n,f)	^{245}Cm(n,f)
energy (MeV)	thr	1.0	1.6	5.5	8	10	13	14-15	21	28	50	100	160	20	60	thr	5.0	5.5	16.5	0.17	7.9	14-15	15.1	thermal
Dujvestijn																								
Goverdovski																								
Katakura	thr	1.0	1.6	5.5	8.0	10.0	13.0	14 15	21	28	50	100	160	20	60	thr	5.0	5.5	16.5	0.17	7.9	14 15	15.1	thermal
Kibkalo			1.6 2.0	5.5	8.0	10.0	13.0	14.5	20.0 21.0	27.5 28.0	50	99.5 100	160											
Maslov																								
Wahl																								
Zhdanov				5.5	8.0	10.0	13.0	14 15	21	28	50	100	160	20	60		5.0	5.5	16.5		7.9	14 15	15.1	
Liu evaluation			1.5 1.6	5.5 5.5	8.1 8.3	11.3 11.5-14.5	13 (=11.5-14.5)	11.5-14.5 14.4 14.9	20(=18-22) 22	27.5 (=22-33) pre+post	50 (45-55)	99.5 (=89-110)	160 (=145-175) pre+post	20	60					0.17	7.9	14.0 14.7	15.1	

Table 2: Survey of calculations performed for Comparison (B)

reaction	^{237}Np(n,f)					^{241}Am (n,f)					^{244}Cm(n,f)				
energy (MeV)	13	28	50	100	160	13	28	50	100	160	13	28	50	100	160
Dujvestijn															
Goverdovski															
Katakura	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Kibkalo															
Maslov															
Wahl															
Zhdanov	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X