	Np 222	Np 223	Np 224	Np 225 6 ms	Np 226 35 ms	Np 227 510 ms	Np 228 61.4 s	Np 229 4.00 m	Np 230	Np 231 48.8 m	Np 232	Np 233 36.2 m	Np 234 4.4 d	Np 235	Np 236 153 ky	Np 237 2.144 My		Np 239	Np 240	Np 241
92	U 221 660 ns	U 222 4.7 us	U 223 21 us	U 224 396 us	U 225 61 ms	U 226 269 ms	U 227	U 228	U 229 57.8 m	U 230 20.23 d	U 231 4.2 d	U 232 68.9 y	U 233 159.2 ky	U 234 0.0054	U 235 0.7204	U 236 23.42 My	U 237 6.752 d	U 238 99.2742	U 239 23.45 m	U 240
	Pa 220 780 ns	Pa 221 5.9 us	Pa 222 3.2 ms	Pa 223	Pa 224 846 ms	Pa 225	Pa 226	Pa 227 38.3 m	Pa 228	Pa 229	Pa 230	Pa 231 32.76 ky	Pa 232	Pa 233 26.975 d	Pa 234 6.70 h	Pa 235 24.4 m	Pa 236	Pa 237	Pa 238	Pa 239
90	Th 219	Th 220 9.7 us	Th 221	Th 222 2.24 ms	Th 223 600 ms	Th 224	Th 225 8.75 m	Th 226 30.70 m	Th 227 18.697 d	Th 228		Th 230 75.4 ky	Th 231 25.52 h	Th 232	Th 233 21.83 m	Th 234 24.10 d	Th 235	Th 236	Th 237	Th 238
	Ac 218	Ac 219	Ac 220 26.36 ms	Ac 221 52 ms	Ac 222 5.0 s	Ac 223	Ac 224 2.78 h	Ac 225 9.920 d	Ac 226 29.37 h	Ac 227 21.772 y	Ac 228 6.15 h	Ac 229 62.7 m	Ac 230	Ac 231	Ac 232	Ac 233	Ac 234 45 s	Ac 235	Ac 236	Ac 237
88	Ra 217	Ra 218 25.2 us	Ra 219 10 ms	Ra 220 17.9 ms	Ra 221 28 s		Ra 223 11.4377 d	Ra 224 3.6319 d	Ra 225	Ra 226 1.600 ky		Ra 228 5.75 y	Ra 229	Ra 230	Ra 231	Ra 232	Ra 233	Ra 234	Ra 235	148
	Fr 216 700 ns	Fr 217 16.8 us	Fr 218	Fr 219 20 ms	Fr 220 27.4 s	Fr 221 4.801 m	Fr 222	Fr 223 22.00 m	Fr 224 3.33 m	Fr 225 3.95 m	Fr 226 49 s	Fr 227 2.47 m	Fr 228 38 s	Fr 229 50.2 s	Fr 230	Fr 231 17.6 s	Fr 232 5.5 s	Fr 233 900 ms		
86	Rn 215 2.30 us	Rn 216 45 us	Rn 217 540 us	Rn 218 33.75 ms		Rn 220 55.6 s	Rn 221 25.7 m	Rn 222 3.8215 d		Rn 224	Rn 225 4.66 m	Rn 226	Rn 227 20.2 s	Rn 228	Rn 229	Rn 230	Rn 231	146		
	At 214 558 ns	At 215	At 216 300 us	At 217 32.62 ms		At 219 56 s	At 220 3.71 m	At 221	At 222	At 223	At 224	At 225	At 226	At 227	At 228	At 229				
		130		132		134		136		138		140		142		144				