

Isotope	Element	Z	Mass number	Half life (string)	Half life /s	Alpha energy /MeV	log10( half life /s )	Z/sqrt(Alpha energy)
Po-212	Polonium	84	212	299ns	2.990E-07	8.955	-6.52	28.07
Po-214	Polonium	84	214	1.6e-4s	1.600E-04	7.680	-3.80	30.31
Rn-218	Radon	86	218	35ms	3.500E-02	7.263	-1.46	31.91
At-217	Astatine	85	217	32ms	3.200E-02	7.000	-1.49	32.13
Bi-213	Bismuth	83	213	45.6min	2.736E+03	5.870	3.44	34.26
Ra-224	Radium	88	224	3.632d	3.138E+05	5.789	5.50	36.57
Th-238	Thorium	90	238	1.9116yr	6.028E+07	5.520	7.78	38.31
Pa-231	Protactinium	91	231	32760yr	1.033E+12	5.150	12.01	40.10
Np-237	Neptunium	93	237	2.14e6yr	6.749E+13	4.959	13.83	41.76
Th-232	Thorium	90	232	1.405e10yr	4.431E+17	4.081	17.65	44.55

