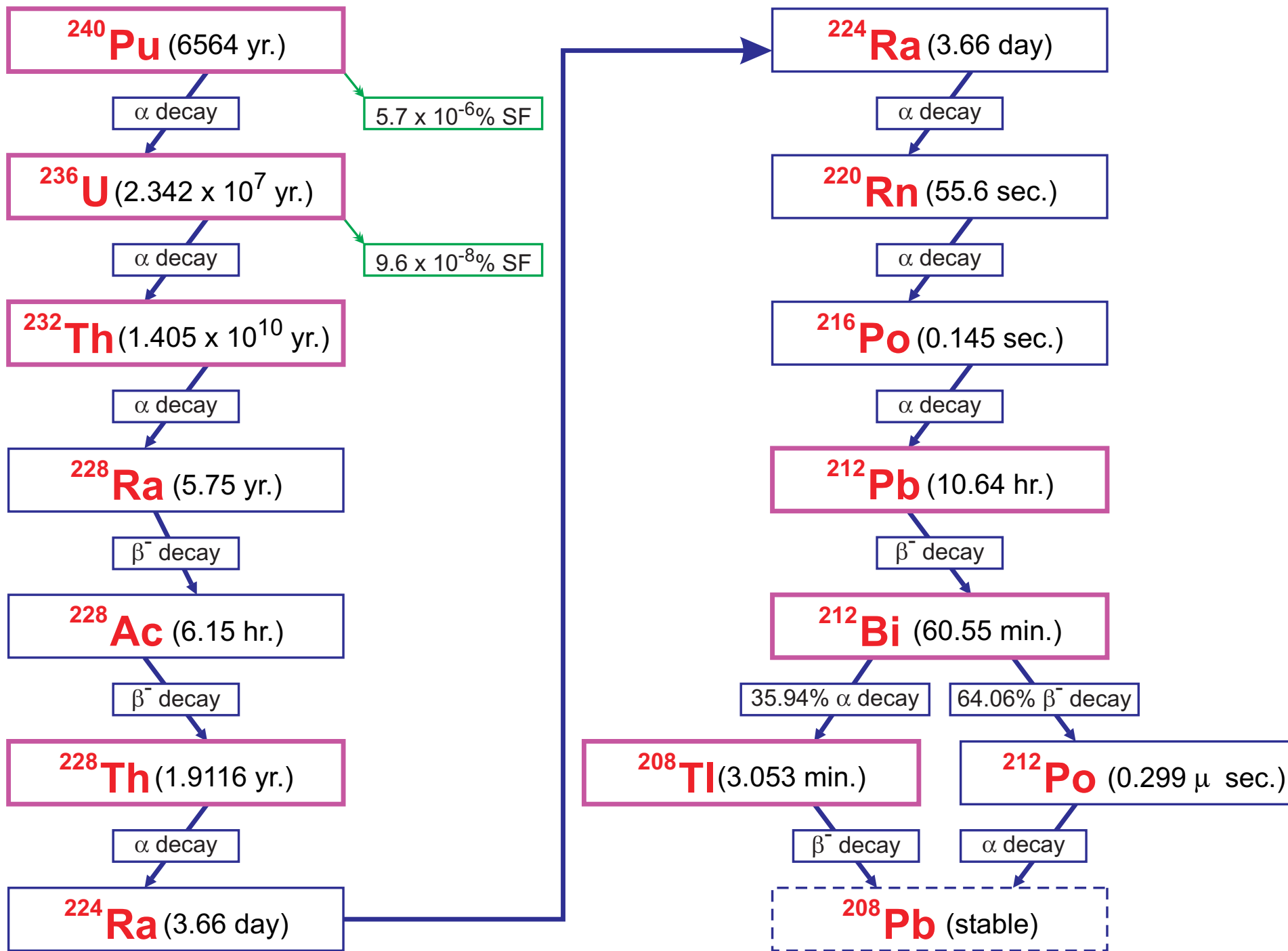
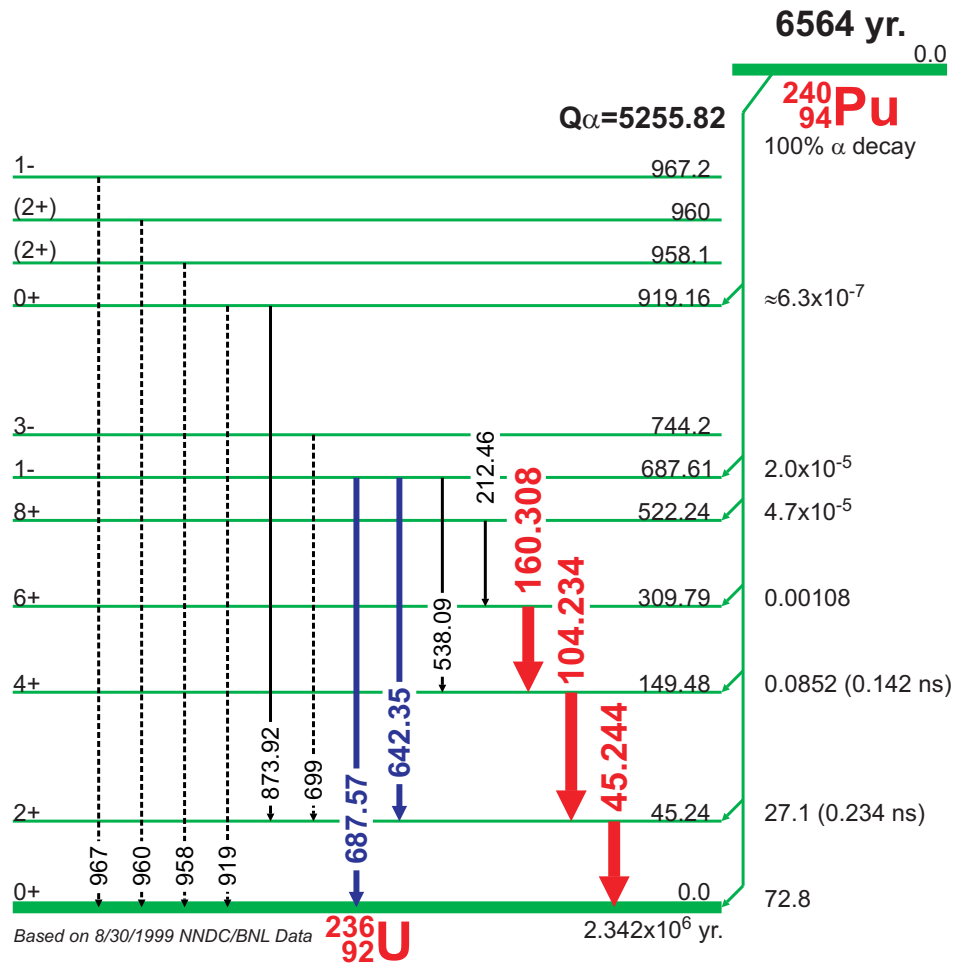


²⁴⁰Pu Decay Chain



²⁴⁰Pu (6564 yr.) Decay Scheme



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ²⁴⁰Pu

Half Life: 6564(11) yr.

E _γ (keV)	σ E _γ	[Ⓛ] I _γ	[Ⓜ] σI _γ	Level	
45.244	0.003	0.045 0	0.000 8	45.24	α
104.234	0.006	0.007 08	0.000 10	149.48	α
160.308	0.003	0.000 402	0.000 003	309.79	α
212.46	0.05	0.000 029	0.000 003	522.24	α
538.09	0.15	0.000 000 147	0.000 000 012	687.61	α
642.35	0.05	0.000 013	0.000 001	687.61	α
687.57	0.16	0.000 003 5	0.000 000 2	687.61	α
699.0		0.000 000 025	<	744.2	α
873.92	0.15	0.000 000 58	0.000 000 06	919.16	α
919				919.16	α
958		0.000 000 1	<	958.1	α
960		0.000 000 05	<	960	α
967		0.000 000 05	<	967.2	α

E_γ, σE_γ, I_γ, σI_γ, Levels from ENSDF Database as of August 31, 1999

[Ⓛ] These I_γ are per 100 Decays of ²⁴⁰Pu.

[Ⓜ] For total uncertainty add 1% systematic component in quadrature, based on the normalization factor 1.00(1)

