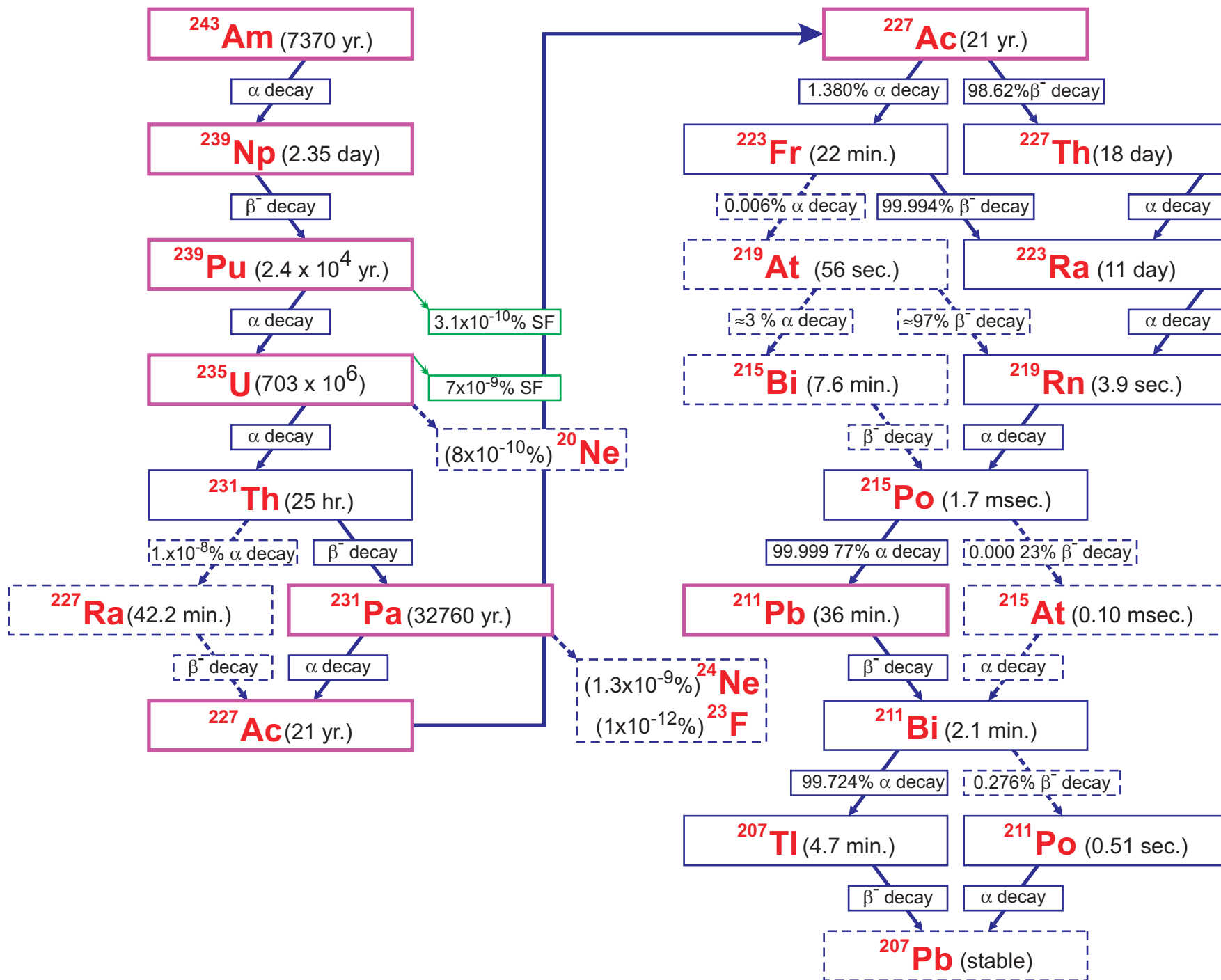
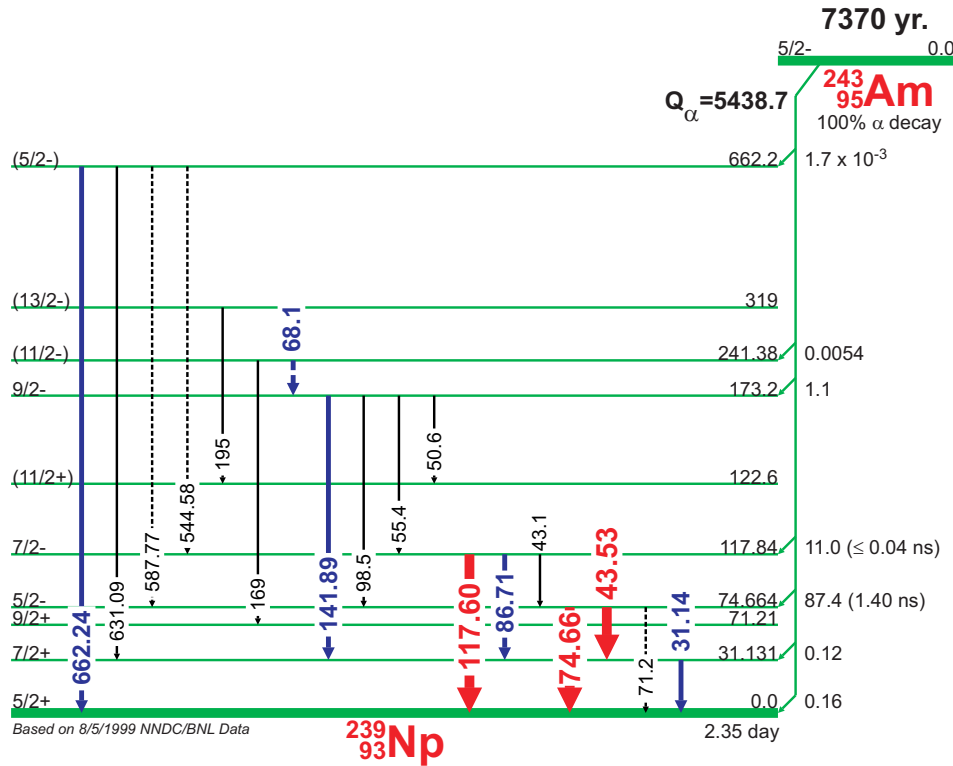


²⁴³Am Decay Chain



²⁴³Am (7370 yr.) Decay Scheme



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ²⁴³Am

Half Life: 7370(40) yr.

E_{γ} (keV)	σE_{γ}	$^{\textcircled{1}} I_{\gamma}$	$^{\textcircled{2}} \sigma I_{\gamma}$	Level	
31.14	0.03	0.072	0.005	31.131	α
43.1		0.066		117.84	α
43.53	0.02	5.9	1.3	74.664	α
50.6		0.003 0		173.2	α
55.4		0.010 5		173.2	α
68.1				241.38	α
71.2				71.21	α
74.66	0.02	68		74.664	α
86.71	0.02	0.338	0.007	117.84	α
98.5		0.010	calculated	173.2	α
117.6	1.5	0.57	0.08	117.84	α
141.89	0.03	0.120	0.011	173.2	α
169		0.001 4		241.38	α
195		0.001 0		319	α
220					α
544.58				662.2	α
587.77				662.2	α
631.09		0.000 3		662.2	α
662.24		0.001 2		662.2	α

E_{γ} σE_{γ} I_{γ} σI_{γ} Levels from ENSDF Database as of February 7, 2000

$\textcircled{1}$ These I_{γ} are per 100 Decays of ²⁴³Am.

$\textcircled{2}$ For total uncertainty add 2.05% systematic component in quadrature, based on the normalization factor 0.682(14)

