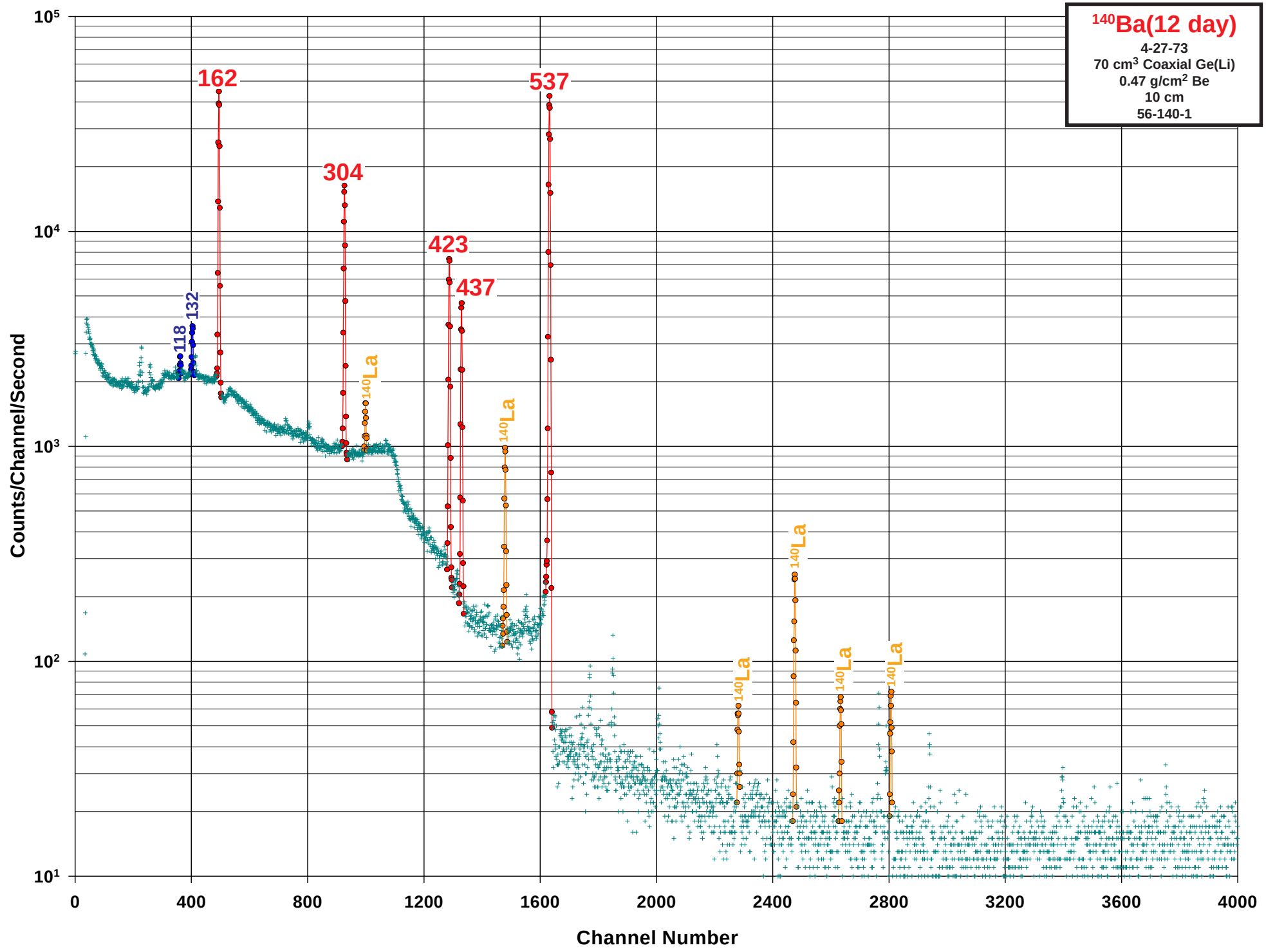

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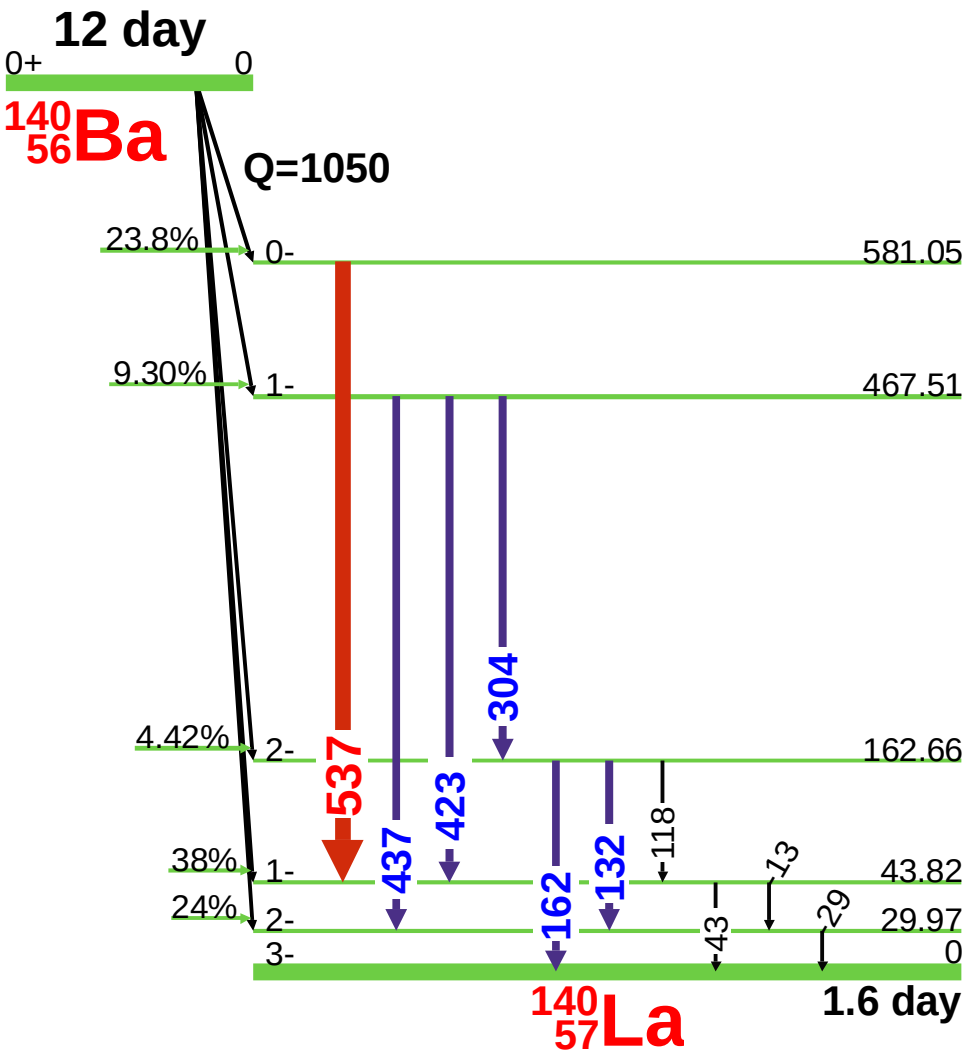
^{140}Ba(12 day) Decay Scheme



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ^{140}Ba
Half Life: 12.752(3) day
Detector: 70 cm^3 coaxial Ge (Li)
Method of Production: U(n,f) chem.

E_γ (keV)	σ E_γ	I_γ (rel)	I_γ (%)	σ I_γ	S
13.846	0.015		1.22	0.17	4
29.966	0.001		14.1	0.4	4
43.8			0.0020		4
63.17	0.22				4
99.490	0.020				4
113.51	0.03		0.0161	0.0012	4
118.837	0.003	0.32	0.061	0.007	4
132.687	0.001	0.90	0.202	0.005	3
162.660	0.001	28.4	6.22	0.07	1
183.83	0.09		0.0010	0.0005	4
275.18	0.18		0.0004	0.0001	4
304.849	0.003	18.8	4.29	0.05	1
418.44	0.04		0.0037	0.0002	4
423.722	0.001	12.99	3.15	0.04	1
437.575	0.002	8.10	1.9292	0.010	1
467.5			0.0020		4
537.261	0.009	100.	24.39	0.07	1
551.08	0.04		0.0031	0.0002	4
699.89	0.13		0.0008	0.0002	4

E_γ, σE_γ, I_γ, σI_γ - 1998 ENSDF Data