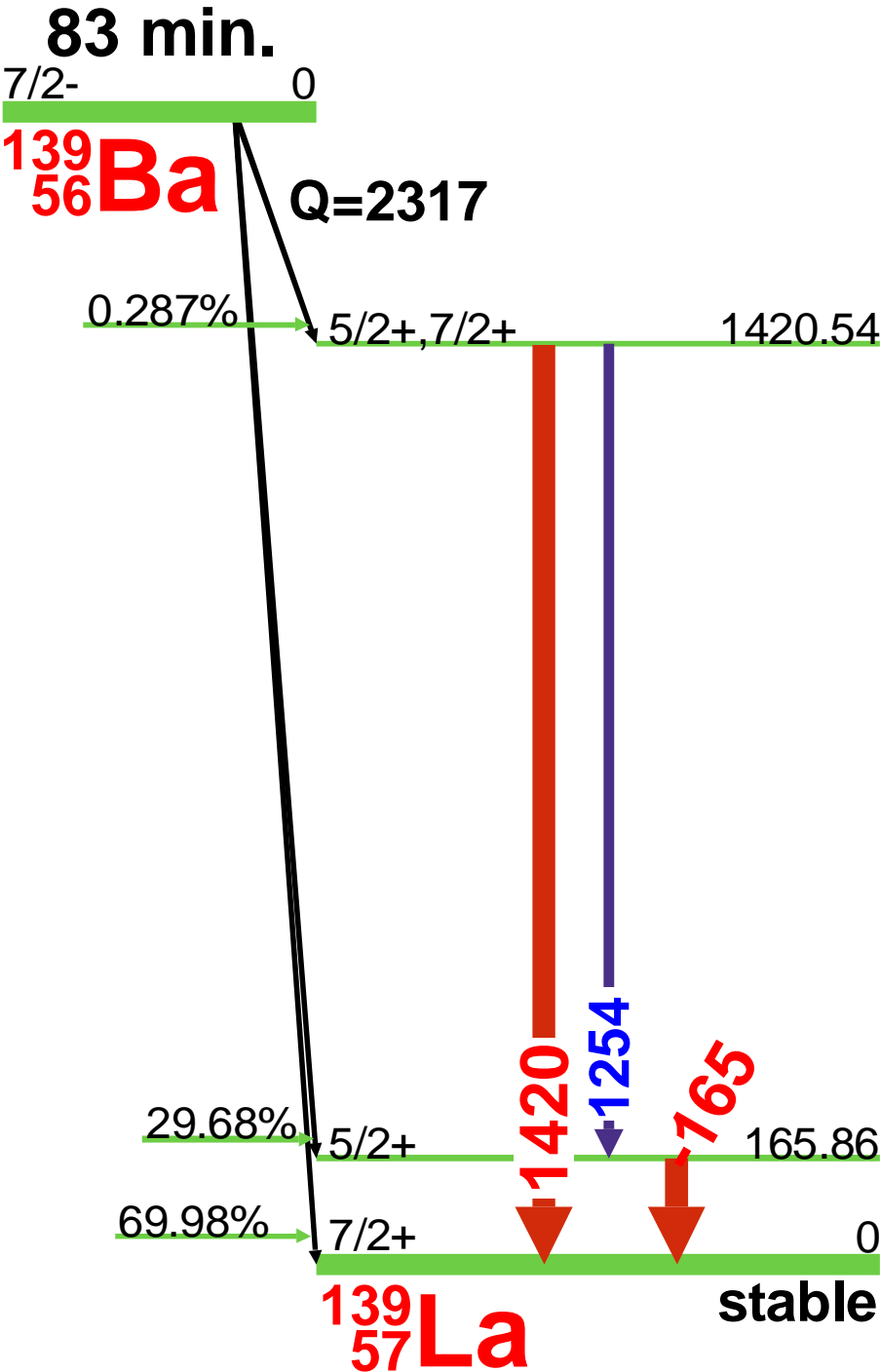


¹³⁹Ba(83 min.) Decay Scheme



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ¹³⁹Ba Half Life: 83.06(28) min.
Detector: 60 cm³ coaxial Ge (Li) Method of Production: ¹³⁸Ba(n,γ)

E _γ (keV)	σ E _γ	I _γ (rel)	I _γ (%)	σ I _γ	S
165.864	0.006	100	23.7	3.4	1
1042.9					4
1053	0.5		0.0003	0.0001	4
1090.8	0.2		0.0081	0.0011	4
1215.5	0.4		0.0031	0.0004	4
1219.1	0.4		0.0039	0.0007	4
1254.7	0.2	0.14	0.026	0.004	2
1256.7	1		0.0027	0.0004	4
1310.6	0.2		0.0159	0.0018	4
1370.5	0.3		0.0029	0.0004	4
1381.5	0.5		0.0001		4
1392.4	0.5		0.0001		4
1420.5	0.2	1.12	0.26	0.04	1
1476.3	0.3		0.0016	0.0002	4
1518	1		0.0001		4
1536.3	0.3		0.0021	0.0003	4
1558.2	0.4		0.0002	0.0001	4
1578.2	0.4		0.0005	0.0001	4
1595.3	0.3		0.0021	0.0003	4
1601.4	1		0.0001		4
1683.1	0.3		0.0026	0.0003	4
1691.2	1		0.0003		4
1754.5	0.5		0.0001		4
1762	1		0.0001		4
1765.5	0.4		0.0002	0.0001	4
1797.4	1		0.0001		4
1894.7	0.7				4
1920.6	0.4		0.0001		4
2060.1	0.4				4

E_γ, σE_γ, I_γ, σI_γ - 1998 ENSDF Data