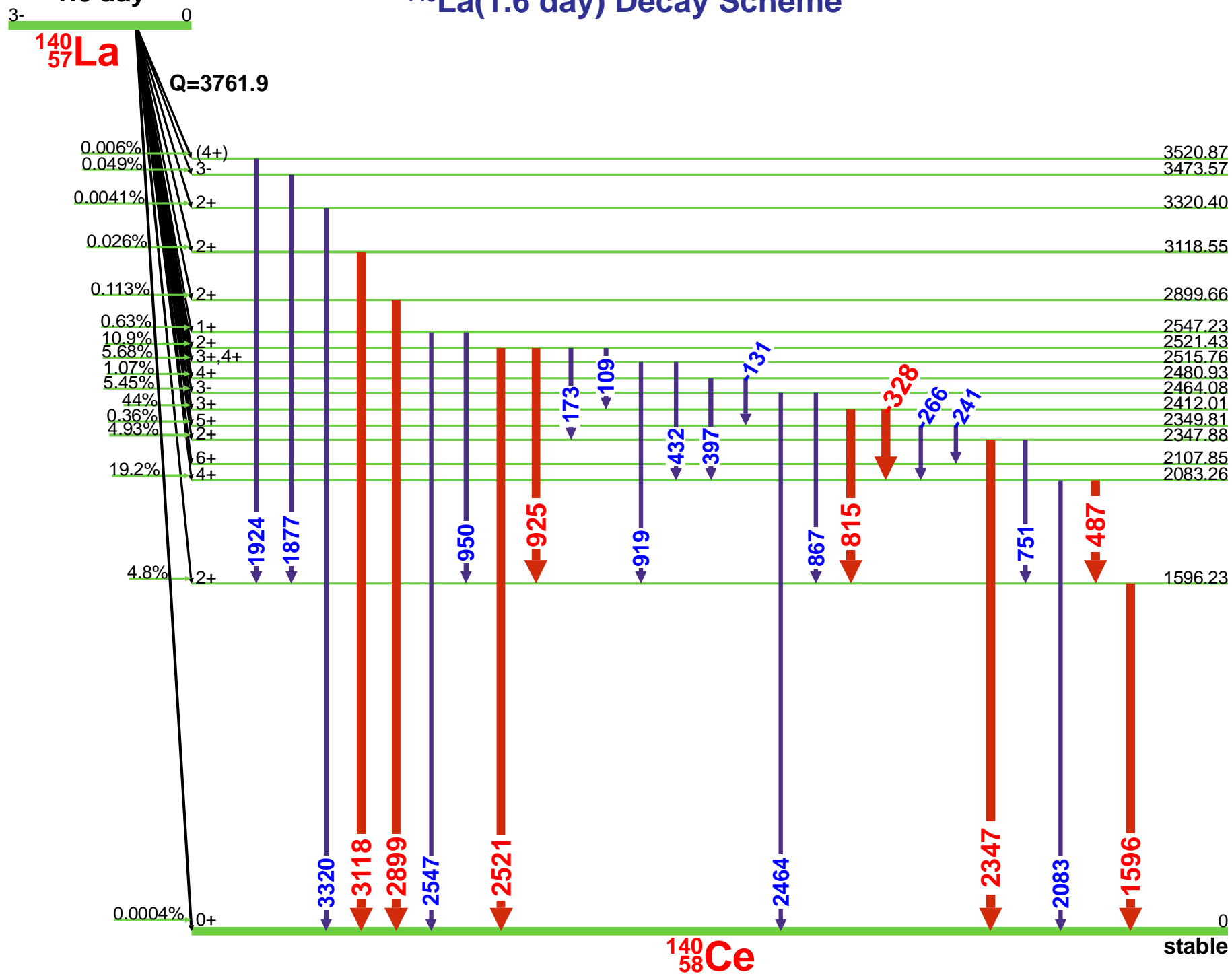


1.6 day

 ^{140}La (1.6 day) Decay Scheme

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ^{140}La E_γ , σE_γ , I_γ , σI_γ - 1998 ENSDF Data

Half Life: 1.6781(3) day

Detector: 55 cm³ coaxial Ge (Li)Method of Production: $^{139}\text{La}(n,\gamma)$

E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
24.595	0.004		0.0029		4
64.135	0.010		0.0143	0.0019	4
68.916	0.006		0.0754	0.0019	4
109.422	0.011	0.17	0.219	0.004	4
131.117	0.008	0.42	0.468	0.010	4
173.543	0.009	0.6	0.127	0.004	4
241.93	0.03	0.51	0.414	0.008	4
266.543	0.012	0.50	0.466	0.008	4
306.90	0.20		0.025	0.007	4
328.762	0.008	19.6	20.32	0.29	1
397.52	0.05	0.12	0.074	0.005	4
432.493	0.012	2.94	2.900	0.029	3
438.5	0.5		0.039	0.010	4
445.5	0.5		0.0029	0.0010	4
487.021	0.012	44.7	45.5	0.6	1
618.12	0.05		0.037	0.004	4
751.637	0.018	4.5	4.33	0.04	2
815.772	0.019	24.2	23.28	0.19	1
867.846	0.020	5.7	5.50	0.07	2
919.550	0.023	2.89	2.662	0.029	3

E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
925.189	0.021	7.2	6.90	0.07	1
950.99	0.03	0.56	0.519	0.007	4
992.9	0.5		0.013	0.005	4
1045.05	0.24	0.04	0.025	0.014	4
1097.20	0.23		0.023	0.005	4
1303.5	0.4		0.042	0.007	4
1405.20	0.17		0.059	0.007	4
1596.21	0.04	100.	95.4	1.4	1
1877.29	0.19	0.05	0.041	0.004	4
1903.5					4
1924.62	0.13	0.023	0.0134	0.0019	4
2083.2	0.5		0.0115	0.0007	4
2347.88	0.05	0.89	0.849	0.029	1
2464.1	0.5		0.0114	0.0019	4
2521.40	0.05	3.59	3.46	0.04	1
2547.34	0.11	0.110	0.1011	0.0029	2
2899.61	0.16	0.073	0.0668	0.0019	1
3118.51	0.16	0.028	0.0248	0.0010	1
3320.4	0.6	0.005	0.0038	0.0003	3

