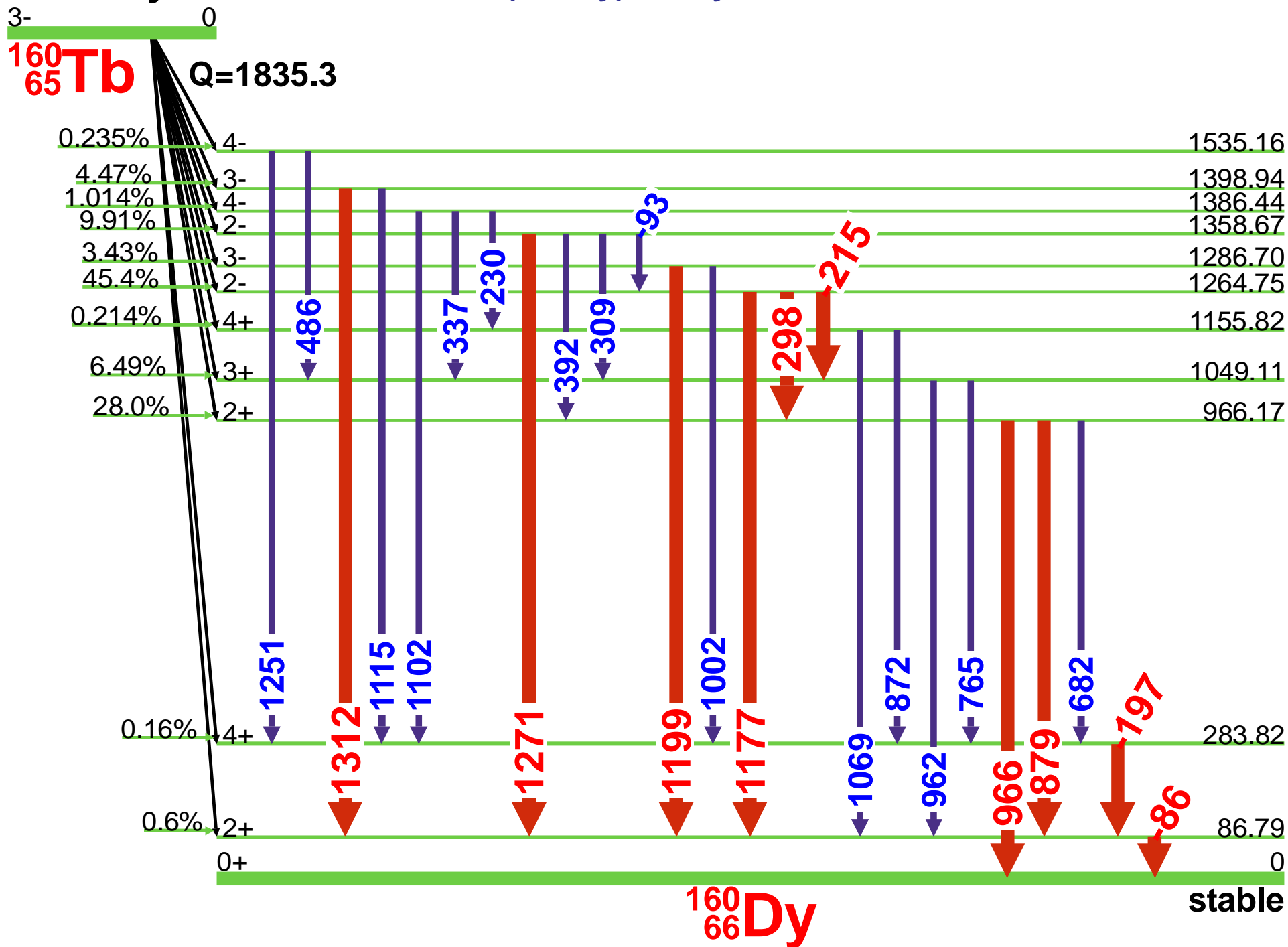


72 day

 $^{160}\text{Tb}(72 \text{ day})$ Decay Scheme

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ^{160}Tb E_γ , σE_γ , I_γ , σI_γ - 1998 ENSDF Data

Half Life: 72.3(2) day

Detector: 2.5 cm² x 8 mm Ge (Li)Method of Production: $^{159}\text{Tb}(n,\gamma)$

E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
86.788		46.80	13.15	0.29	1
93.919	0.006	0.12	0.0566	0.0021	4
176.49	0.03		0.0062	0.0004	4
197.035	0.001	17.20	5.18	0.11	1
215.646	0.001	13.05	4.02	0.08	1
230.628	0.013	0.20	0.0807	0.0018	4
237.64	0.09		0.0060	0.0021	4
239.7	0.6		0.0021	0.0009	4
242.5	0.8		0.0075	0.0009	4
246.489	0.016		0.0208	0.0010	4
297.3			0.009	0.005	4
298.580	0.002	88.89	26.1	0.6	1
309.561	0.015	2.73	0.863	0.018	3
337.32	0.03	1.14	0.339	0.007	4
349.92	0.11		0.0144	0.0009	4
379.41	0.08		0.0141	0.0007	4
392.514	0.026	4.34	1.336	0.028	3
432.66	0.12		0.0232	0.0010	4
486.06	0.05	0.32	0.0846	0.0023	4
682.31	0.04	1.79	0.596	0.015	4

E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
707.6	1.0		0.010	0.005	4
765.28	0.04	6.63	2.14	0.04	4
872.03	0.06	0.95	0.218	0.006	4
879.383	0.003	100.	30.1	0.6	1
962.317	0.004	35.37	9.81	0.22	2
966.171	0.003	84.80	25.1	0.5	1
1002.88	0.04	3.47	1.038	0.022	3
1005.0	1.0		0.039	0.009	4
1069.09	0.05	0.38	0.0999	0.0025	4
1102.60	0.03	2.05	0.582	0.012	3
1115.12	0.03	5.05	1.57	0.03	2
1177.962	0.004	52.1	14.9	0.3	1
1199.89	0.03	8.28	2.38	0.05	1
1251.27	0.05	0.32	0.1060	0.0023	3
1271.880	0.008	26.0	7.44	0.15	1
1285.58	0.10		0.0154	0.0012	4
1299.3	0.3		0.0054	0.0006	4
1312.14	0.04	9.99	2.86	0.07	1
1468.6	0.3		0.0006	0.0002	4
1556.6	0.4		0.0005	0.0001	4

