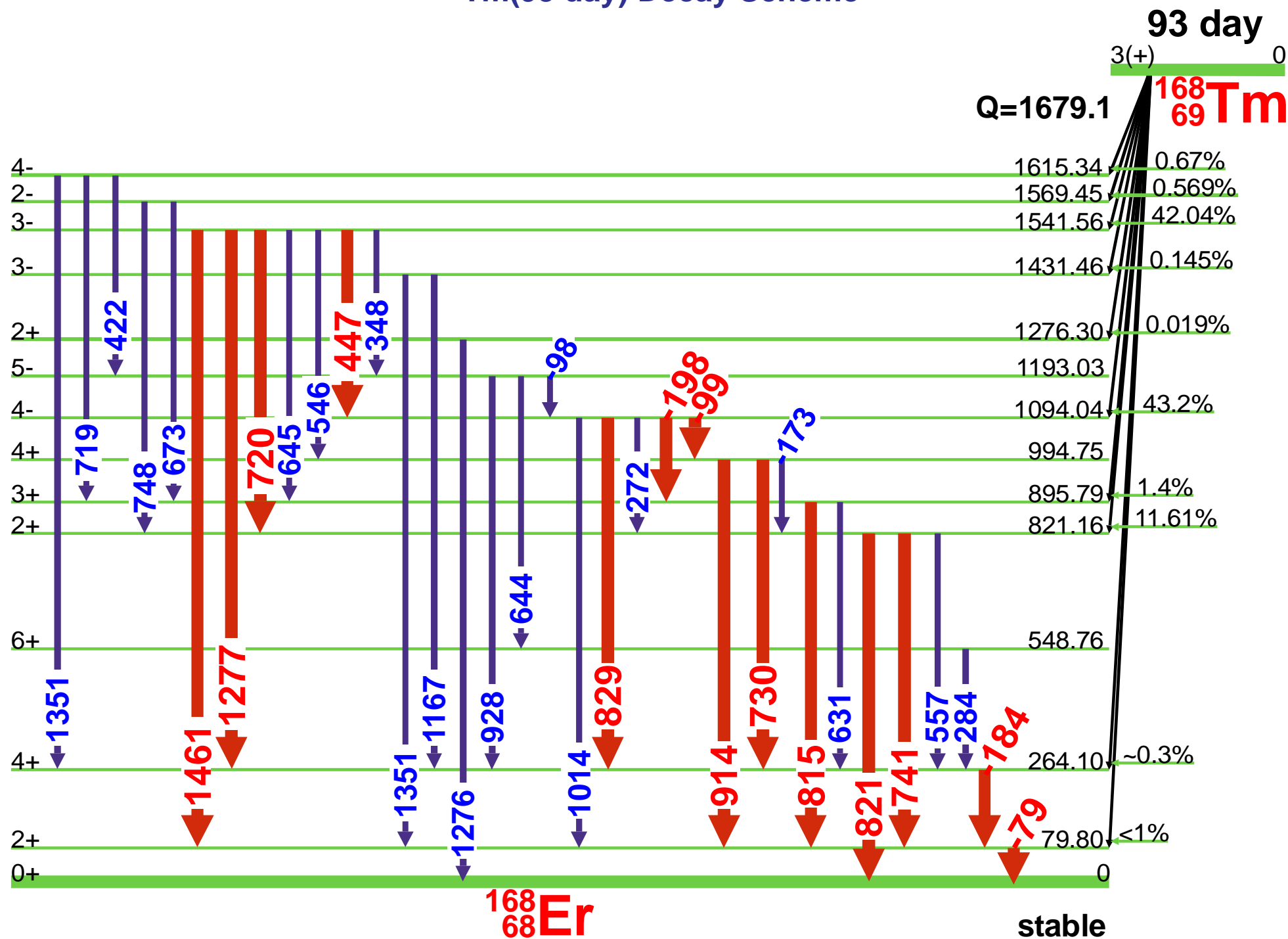


^{168}Tm (93 day) Decay Scheme

GAMMA-RAY ENERGIES AND INTENSITIES (page 1 of 2)

Nuclide: ^{168}Tm E_γ , σE_γ , I_γ , σI_γ - 1998 ENSDF Data

Half Life: 93.1(2) day

Detector: 2.5 cm² x 8 mm Ge (Li)Method of Production: $^{168}\text{Er}(p,n)$

	E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
	59.13	0.15				4
	73.784	0.003		0.0102	0.0022	4
	74.626	0.003		0.018	0.005	4
D	79.804	0.002	22.0	10.8	0.4	1
	98.982	0.002	8.7	0.151	0.022	1
	99.289	0.002		4.18	0.13	
	122.821	0.001		0.0001		4
	173.591	0.019	0.18	0.0414	0.0025	4
	184.295	0.002	33.0	17.9	0.6	1
	198.251	0.002	100.	53.8	1.6	1
	221.8	0.5		0.0022	0.0011	4
	272.896	0.013	0.20	0.092	0.005	4
	284.655	0.014	0.18	0.089	0.005	4
	348.509	0.002	0.62	0.349	0.011	4
	422.305	0.007	0.54	0.301	0.010	4
	445.995	0.004		0.075	0.022	4
	447.515	0.003	44.0	23.7	0.7	1
	497.78	0.06		0.037	0.004	4
	521.13	0.07		0.031	0.004	4
	535.642	0.021		0.0003	0.0001	4
	537.76	0.06		0.0003	0.0001	4
	546.80	0.03	4.8	2.62	0.08	4
	557.083	0.012	0.39	0.221	0.013	4
	559.5	0.4		0.0081	0.0027	4
	568.8	0.4		0.0059	0.0027	4
	582.57	0.25		0.0016	0.0011	4
	620.59	0.07		0.0075	0.0027	4
D	631.705	0.003	16.0	9.15	0.28	2
	644.277	0.005	2.8	0.0124	0.0022	3
	645.775	0.015		1.46	0.04	
	673.670	0.015	0.26	0.161	0.007	4
D	719.550	0.005	22.0	0.20	0.03	1
	720.392	0.005		12.1	0.4	

	E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
	730.660	0.004	9.0	5.21	0.16	1
	737.7	0.7		0.011	0.005	4
	741.355	0.004	23.0	12.6	0.4	1
	748.282	0.007	0.67	0.420	0.014	3
	812.287	0.011		0.009	0.005	4
	815.989	0.005	93.0	50.3	1.5	1
	821.162	0.002	22.0	11.8	0.4	1
	829.948	0.006	12.0	6.89	0.21	1
	832.36	0.04		0.0008	0.0003	4
	853.468	0.003		0.0339	0.0019	4
	862.6	0.3		0.0015	0.0008	4
	914.933	0.004	5.8	3.08	0.09	1
	928.916	0.007	0.11	0.0629	0.0025	4
	1012.26	0.06		0.0113	0.0011	4
	1014.226	0.010	0.13	0.073	0.003	3
	1025.4	0.4				4
	1137.36	0.15		0.0004	0.0002	4
	1146.998	0.009		0.0006	0.0002	4
	1167.357	0.006	0.14	0.0732	0.0027	4
	1196.51	0.05		0.0040	0.0005	4
	1229.08	0.11		0.0008	0.0005	4
D	1276.27	0.03	3.2	0.0040	0.0009	1
	1277.451	0.005		1.66	0.05	
	1279.100	0.023		0.0355	0.0024	4
	1310.0	0.3		0.0001		4
	1323.909	0.009		0.0215	0.0008	4
	1331.39	0.09		0.0008	0.0002	4
D	1351.2		0.16	0.0118	0.0004	2
	1351.54	0.04		0.075	0.010	
	1358.904	0.014		0.0102	0.0006	4
	1392.209	0.013				4
	1413.35	0.15		0.0004	0.0001	4
	1431.7	0.4		0.0004	0.0001	4

GAMMA-RAY ENERGIES AND INTENSITIES (page 2 of 2)

Nuclide: ¹⁶⁸Tm

E_γ, σE_γ, I_γ, σI_γ - 1998 ENSDF Data

Half Life: 93.1(2) day

Detector: 2.5 cm² x 8 mm Ge (Li)

Method of Production: ¹⁶⁸Er(p,n)

E _γ (keV)	σE _γ	I _γ (rel)	I _γ (%)	σI _γ	S	E _γ (keV)	σE _γ	I _γ (rel)	I _γ (%)	σI _γ	S
1461.750	0.004	0.67	0.244	0.008	1	1541.56	0.03		0.0023	0.0001	4
1489.66	0.03		0.0021	0.0001	4	1553.5	0.7				4
1493.70	0.20		0.0002		4	1569.5	0.4				4

