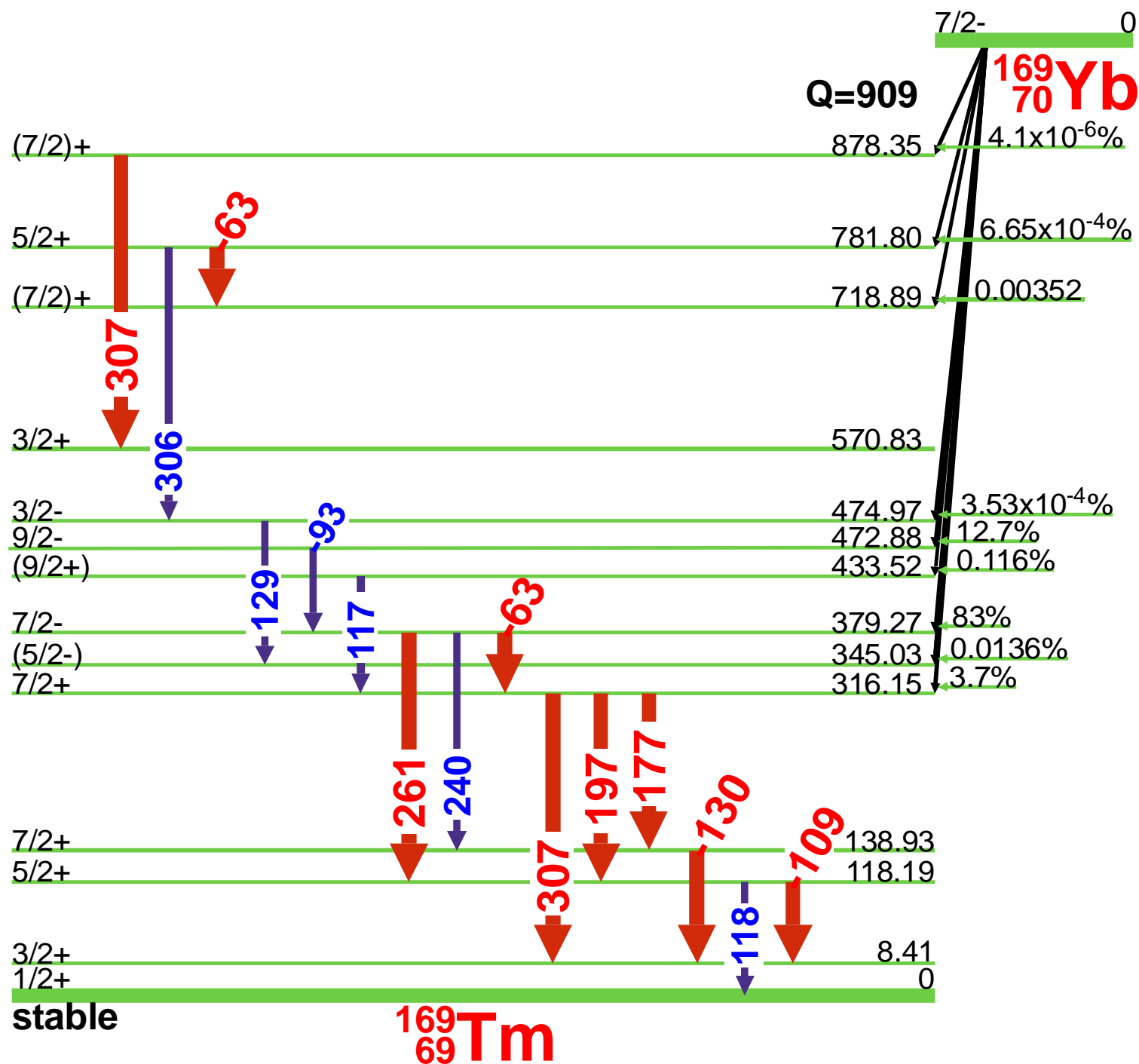


^{169}Yb (32 day) Decay Scheme

32 day



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

Nuclide: ^{169}Yb E_γ , σE_γ , I_γ , σI_γ - 1998 ENSDF Data

Half Life: 32.026(5) day

Detector: 4.55 cm² x 8 mm Ge (Li)Method of Production: $^{169}\text{Tm}(p,n)$

	E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
	8.410			0.333	0.015	4
	20.752	0.009		0.190	0.015	4
	42.760			0.251	0.004	4
	45.940			0.0107	0.0002	4
	50.610			0.537	0.009	4
	50.855			0.537	0.009	4
	51.510			0.0179	0.0003	4
D	63.012		164.	2.15	0.04	1
	63.121			44.2	1.0	
	65.860			0.0104	0.0002	4
	72.028			0.0036	0.0001	4
	85.093			0.0029		4
	93.615		6.77	2.61	0.06	3
D	95.704			0.0021		
	95.854			0.0021		4
	98.005			0.0018		4
	101.405			0.0072	0.0001	4
	105.19	0.10		0.0026	0.0008	4
	109.780		46.4	17.5	0.3	1
D	113.620			0.0107	0.0002	
	113.976			0.0086	0.0001	4
D	117.377	0.019	5.46	0.0397	0.0022	3
	118.190			1.87	0.04	
D	129.942		31.2	0.537	0.009	1
	130.524			11.31	0.21	
	156.725	0.011		0.0100	0.0004	4
	173.879			0.0029		4
	177.214		61.5	22.2	0.4	1
	193.15	0.05		0.0074	0.0010	
	197.958		100.	35.8	0.7	1
	199.772			0.0322	0.0005	
	205.99	0.06		0.0041	0.0001	4
	213.936	0.017		0.0029	0.0002	4

	E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
	226.3	0.7		0.0003	0.0002	4
	228.71	0.05		0.0004		4
	240.332	0.003		0.1138	0.0024	4
	261.079		4.93	1.71	0.03	1
	291.190	0.011		0.0043	0.0002	
	294.54	0.11		0.0010	0.0003	4
	301.732			0.0047	0.0001	4
D	306.830		29.8	0.179	0.003	1
	307.520			0.501	0.008	
	307.738			10.05	0.18	
	333.965	0.013		0.0018	0.0001	4
	336.620	0.004		0.0091	0.0002	4
	356.74	0.05		0.0001		4
	370.856	0.008		0.0072	0.0006	4
	379.286	0.018		0.0012	0.0002	4
	386.673	0.013		0.0003		4
	452.62	0.08				4
	464.72	0.09				4
	465.657	0.006		0.0002		4
	466.562	0.008				4
	474.973	0.009		0.0002		4
	494.360	0.008		0.0015		4
	500.35	0.10				4
	507.8	0.3				4
	515.104	0.006		0.0041	0.0001	4
	528.572	0.010		0.0002		4
	546.16	0.22				4
	562.413	0.012		0.0001		4
	570.89	0.03		0.0001		4
	579.854	0.005		0.0019		4
	600.607	0.008		0.0011		4
	624.885	0.004		0.0049	0.0002	4
	633.32	0.10				4

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

Nuclide: ¹⁶⁹Yb

E_γ, σE_γ, I_γ, σI_γ - 1998 ENSDF Data

Half Life: 32.026(5) day

Detector: 4.55 cm² x 8 mm Ge (Li)

Method of Production: ¹⁶⁹Tm(p,n)

E _γ (keV)	σE _γ	I _γ (rel)	I _γ (%)	σI _γ	S
642.877	0.009		0.0001		4
663.603	0.007		0.0002		4
693.46	0.08				4
710.358	0.015				4

E _γ (keV)	σE _γ	I _γ (rel)	I _γ (%)	σI _γ	S
739.42	0.11				4
760.24	0.24				4
773.390	0.014		0.0002		4
781.64	0.08				4

