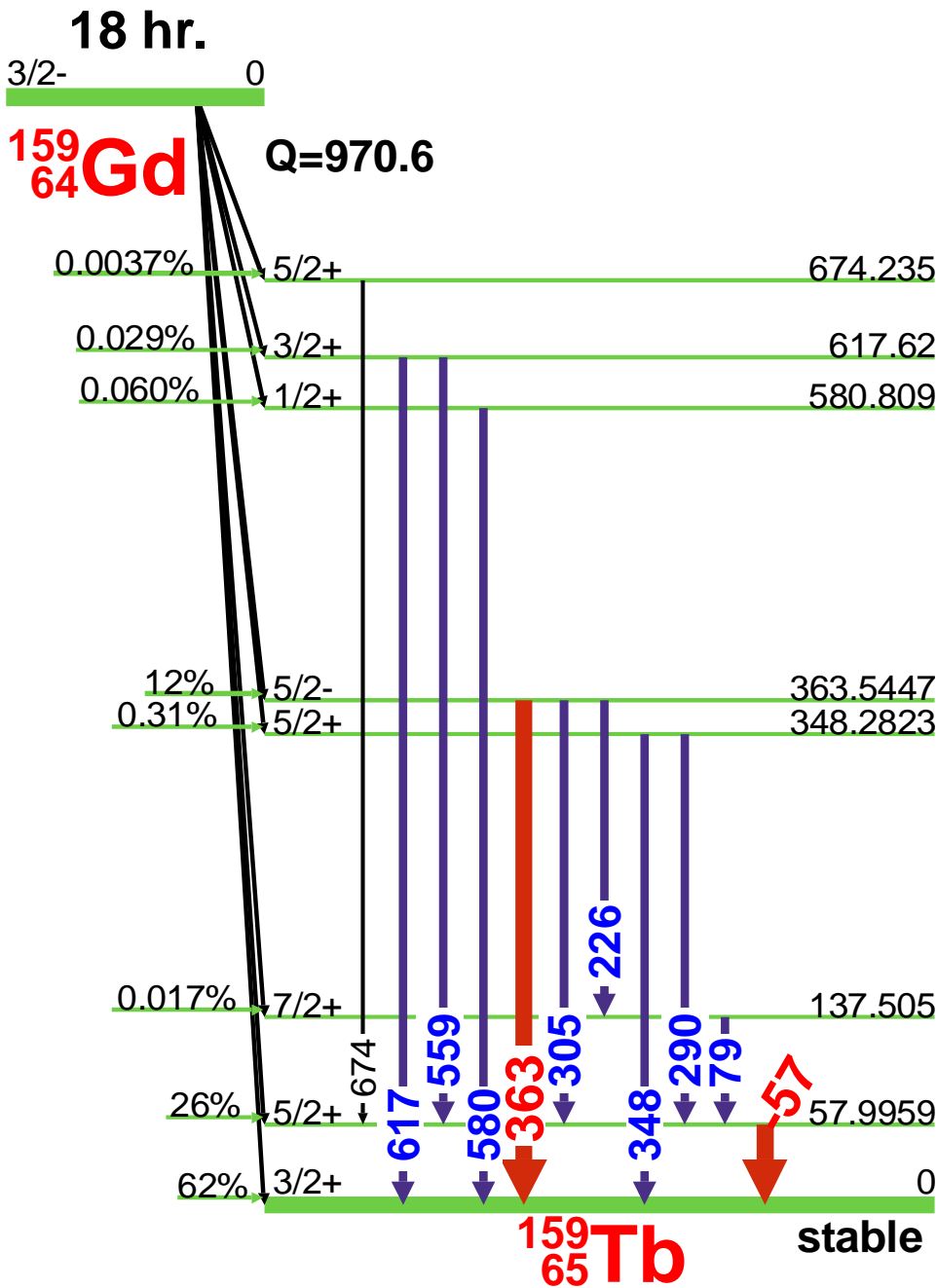


¹⁵⁹Gd(18 hr.) Decay Scheme



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ¹⁵⁹Gd Half Life: 18.479(4) hr.
Detector: 4.55 cm² x 8 mm Ge (Li) Method of Production: ¹⁵⁸Gd(n,γ)

E _γ (keV)	σ E _γ	I _γ (rel)	I _γ (%)	σ I _γ	S
57.9998	0.0015	11.3	2.2	0.6	1
79.5131	0.0018	0.43	0.048	0.012	4
137.515	0.004		0.0063		4
210.7828	0.0024		0.02	0.005	4
226.0405	0.0011	1.74	0.22	0.06	3
237.341	0.004		0.0074		4
273.62	0.12		0.00068		4
274.163	0.018		0.0055		4
290.2864	0.0015	0.3	0.031	0.008	4
305.5491	0.0011	0.56	0.06	0.015	3
348.2807	0.001	2.03	0.23	0.06	3
363.543	0.001	100	11	3	1
536.78	0.18		0.0016		4
559.623	0.005	0.18	0.021	0.005	3
580.809	0.005	0.59	0.066	0.016	2
616.234	0.017	0.16	0.0018		3
617.616	0.017		0.015	0.004	
674.26	0.05		0.0003		4
753.74	0.06		0.00017		4
854.948	0.019		0.0024		4

E_γ, σE_γ, I_γ, σI_γ - 1998 ENSDF Data

