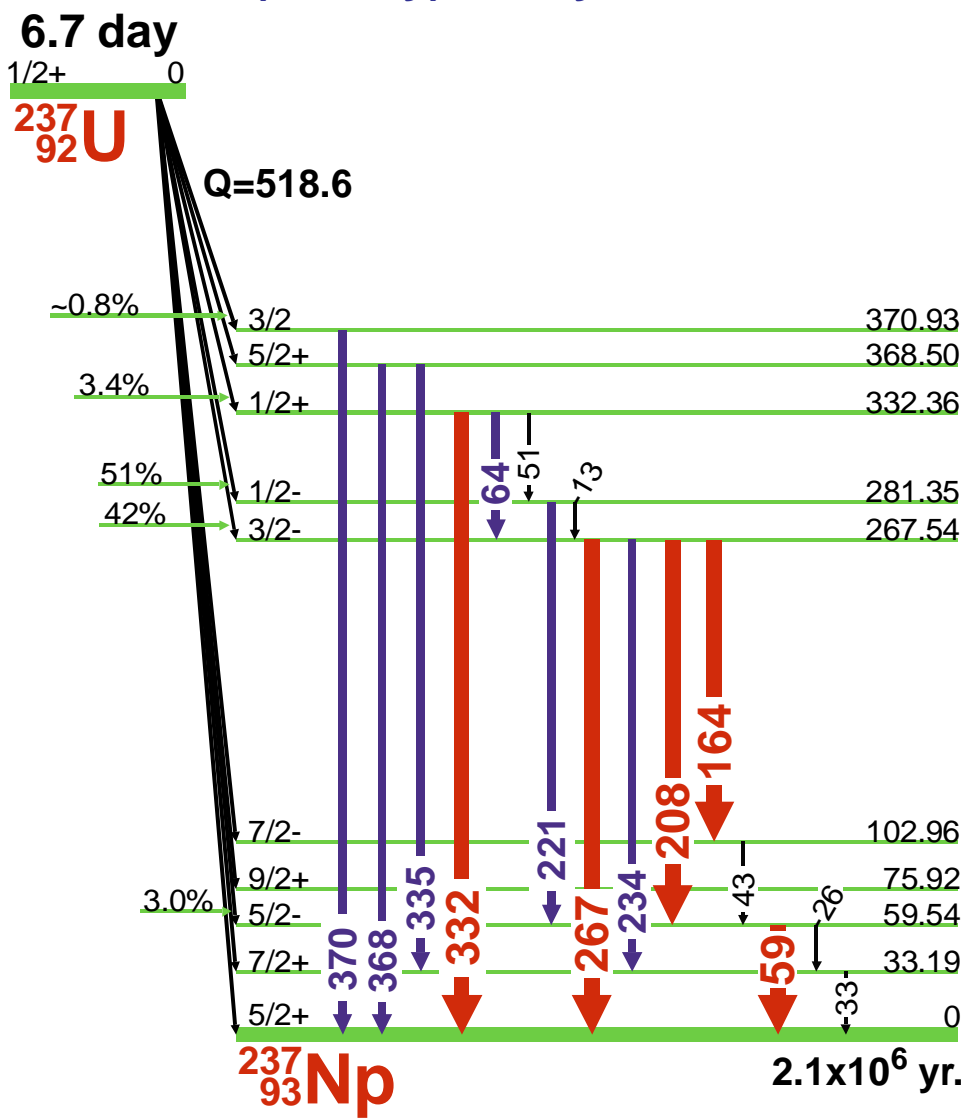


²³⁷U(6.7 day) Decay Scheme



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ²³⁷U Half Life: 6.75(1) day
Detector: 2.5 cm² x 8 mm Ge (Li) Method of Production: ²³⁸U(γ,n)

E _γ (keV)	σ E _γ	I _γ (rel)	I _γ (%)	σ I _γ	S
2.3					
13.81	0.02		0.099	0.004	
26.348	0.01		2.43	0.06	
33.195	0.011		0.13	0.005	
38.54	0.03		<0.021		
42.73					
43.423	0.02		0.024	0.002	
51.01	0.03		0.34	0.01	
59.536	0.003	100	34.5	0.8	1
64.83	0.02	3.61	1.282	0.017	3
69.76	0.03		0.00095	0.00019	
75.8	0.2				
102.98	0.02		0.0064	0.0009	
114.09	0.05				
164.61	0.02	5.56	1.86	0.03	1
208	0.01	64.72	21.2	0.3	1
221.8	0.04	0.05	0.0212	0.0007	4
234.4	0.04	0.08	0.0205	0.0007	4
267.54	0.04	2.3	0.712	0.01	1
292.7	0.1		0.0025	0.0007	
309.1			0.00027		
332.36	0.04	3.61	1.2	0.0016	1
335.38	0.04	0.33	0.0951	0.0022	2
337.7	0.2		0.0089	0.0005	
340.45			0.00165	0.00033	
368.59	0.04	0.13	0.0392	0.0017	3
370.94	0.04	0.38	0.1073	0.0017	2

E_γ, σE_γ, I_γ, σI_γ - 1998 ENSDF Data

