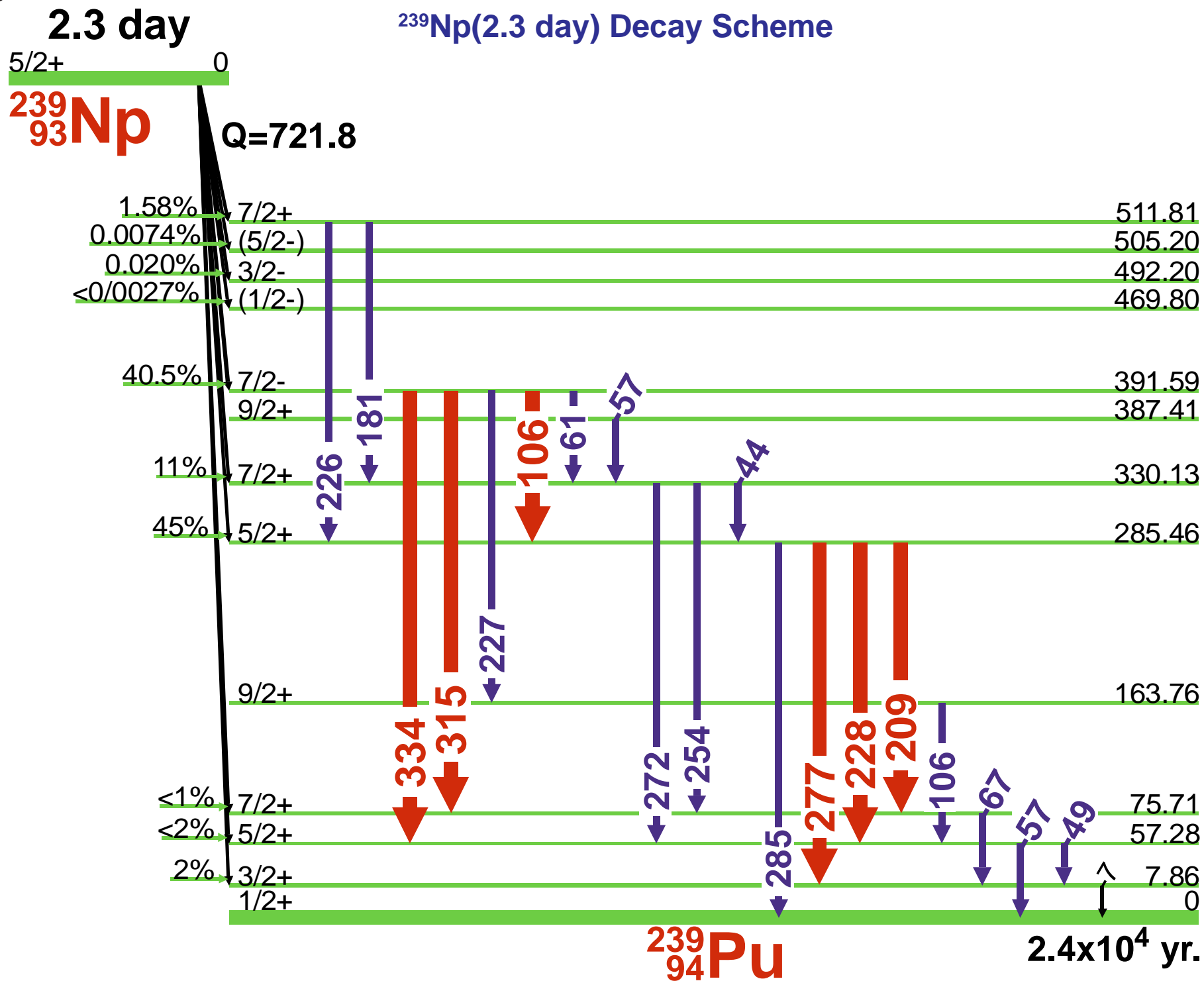


^{239}Np (2.3 day) Decay Scheme

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ^{239}Np E_γ , σE_γ , I_γ , σI_γ - 1998 ENSDF Data

Half Life: 2.3565(4) day

Detector: 2.5 cm² x 8 mm Ge (Li)Method of Production: $^{238}\text{U}(n,\gamma)\beta$

	E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
	7.85					4
	18.40					4
	44.660	0.020	0.40	0.130	0.010	4
	49.410	0.020	0.67	0.130	0.020	4
D	57.28		0.4	0.130	0.007	4
	57.30			0.0048		
	61.460	0.002	4.2	1.290	0.020	3
	67.860	0.020	0.4	0.092	0.023	4
	88.06	0.03		0.0060	0.0020	4
	101.965	0.013		0.0008		4
D	106.123	0.002	100.	27.2	0.4	1
	106.47	0.04		0.049	0.008	
	124.40			0.010		4
	166.39	0.06		0.017	0.007	4
	181.70	0.03	0.49	0.081	0.004	3
	209.753	0.002	14.3	3.42	0.05	1
	226.380	0.020	2.8	0.280	0.020	4
D	227.83		47.0	0.51		1
	228.183	0.001		10.76	0.18	

E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
254.40	0.03	0.44	0.110	0.006	3
272.84	0.03		0.077	0.004	4
277.599	0.001	62.0	14.38	0.21	1
285.460	0.002	3.4	0.790	0.020	2
315.880	0.003	7.0	1.60	0.03	1
322.26			0.0052		4
334.310	0.002	8.9	2.07	0.03	1
392.4	0.5		0.0016		4
429.5	0.5		0.0039		4
434.7	0.5		0.0130		4
447.6	0.5		0.0003		4
454.2	0.5		0.0008		4
461.9	0.5		0.0016		4
469.8	0.5		0.0011		4
484.3	0.5		0.0010		4
492.3	0.5		0.0060		4
497.8	0.5		0.0032		4
498.7			0.0010		4
504.2	0.5		0.0008		4