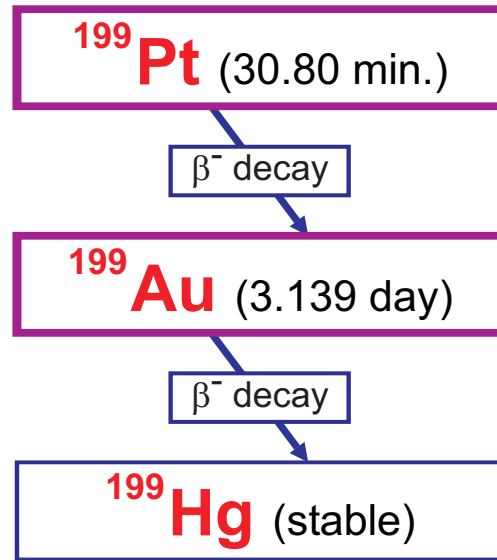
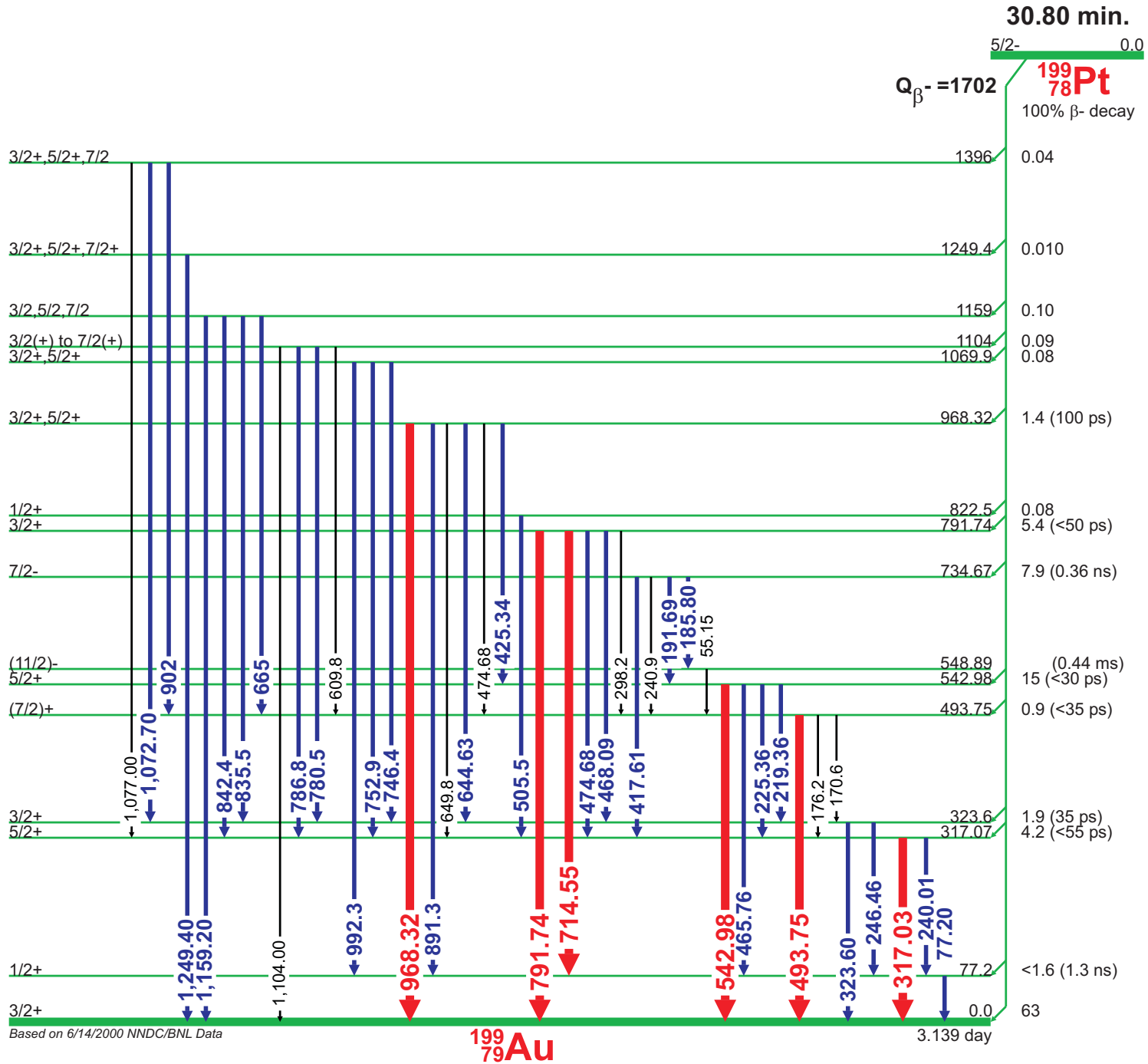


¹⁹⁹Pt Decay Chain



¹⁹⁹Pt (30.80 min.) Decay Scheme



¹⁹⁹₇₉Au



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: **¹⁹⁹Pt**E_γ, σE_γ, I_γ, σI_γ Levels- from ENSDF Database as of June 14, 2000

Half Life: 30.80(21) min.

E _γ (keV)	σ E _γ	① I _γ	② σ I _γ	Level	
55.15	0.05			548.89	β-
77.20	0.03	1.50	0.29	77.20	β-
170.6	1.0	0.022	0.012	493.75	β-
176.2	1.0	0.028	0.015	493.75	β-
185.80	0.03	3.32	0.15	734.67	β-
191.69	0.03	2.34	0.10	734.67	β-
219.36	0.04	0.388	0.019	542.98	β-
225.36	0.04	0.156	0.010	542.98	β-
240.01	0.06	0.176	0.010	317.07	β-
240.9	1.0	0.06	<	734.67	β-
246.46	0.03	2.23	0.10	323.60	β-
298.2	0.3	0.049	0.018	791.74	β-
317.03	0.04	4.95	0.18	317.07	β-
323.60	0.06	0.32	0.06	323.60	β-
417.61	0.05	0.376	0.016	734.67	β-
425.34	0.07	0.143	0.012	968.32	β-
465.76	0.05	0.91	0.04	542.98	β-
468.09	0.05	1.00	0.04	791.74	β-
474.68	0.04	1.15	0.04	791.74	β-
474.68	0.35			968.32	β-
493.75	0.03	5.59	0.15	493.75	β-
505.5	0.3	0.084	0.016	822.5	β-

E _γ (keV)	σ E _γ	① I _γ	② σ I _γ	Level	
542.98	0.04	14.7		542.98	β-
609.8	0.6	0.015	0.006	1,104.0	β-
644.63	0.07	0.084	0.007	968.32	β-
649.8	1.5	0.010	0.004	968.32	β-
665.0	0.1	0.053	0.007	1,159.0	β-
714.55	0.04	1.84	0.04	791.74	β-
746.4	0.2	0.025	0.007	1,069.9	β-
752.9	0.2	0.043	0.006	1,069.9	β-
780.5	0.3	0.024	0.007	1,104.0	β-
786.8	0.2	0.026	0.009	1,104.0	β-
791.74	0.04	1.07	0.04	791.74	β-
835.5	0.1	0.021	0.003	1,159.0	β-
842.4	0.2	0.018	0.004	1,159.0	β-
891.30	0.15	0.025	0.003	968.32	β-
902.0	0.6	0.010	0.003	1,396.0	β-
968.32	0.05	1.07	0.04	968.32	β-
992.3	0.7	0.013	0.006	1,069.9	β-
1,072.7	0.2	0.022	0.003	1,396.0	β-
1,077.0	1.4	0.009	0.003	1,396.0	β-
1,104.0	0.2	0.026	0.004	1,104.0	β-
1,159.2	0.5	0.008 8	0.002 1	1,159.0	β-
1,249.4	0.3	0.010 3	0.002 1	1,249.4	β-

① These I_γ are per 100 Decays of ¹⁹⁹Pt.

② For total uncertainty add systematic component of 17% in quadrature, based on the normalization factor 0.147(25)

