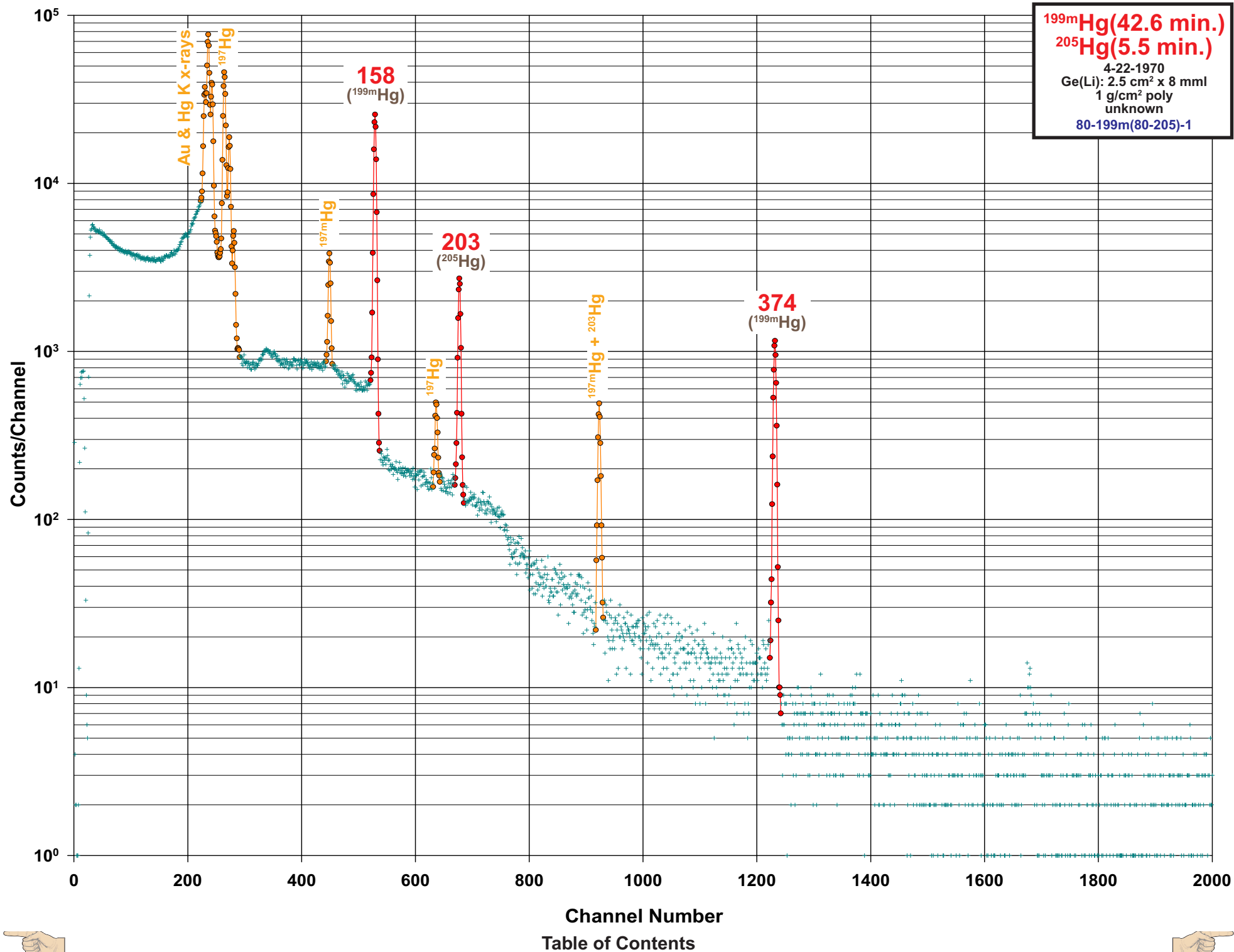
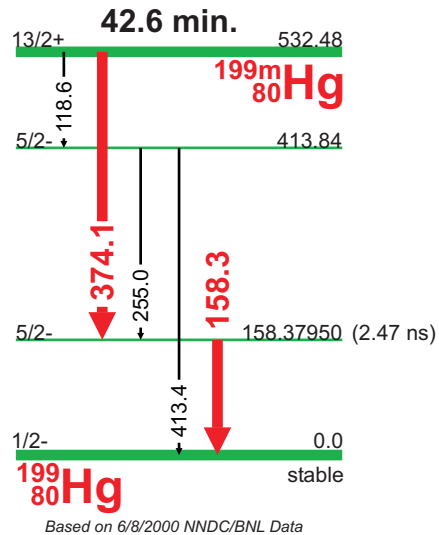




$^{199\text{m}}\text{Hg}$ (42.6 min.) Decay Scheme



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ^{205}Hg

Half Life: 5.2(1) min.

E_γ (keV)	σE_γ	I_γ	σI_γ	Level
203.750	0.009	2.20		203.750 β^-
415.6	0.3	0.013 0	0.001 8	619.3 β^-
521.3		0.000 7	0.000 2	1,140.9 β^-
618.6	0.7	0.002 0	0.000 4	619.3 β^-
720.8	0.8	0.001 1	0.000 3	1,340.4 β^-
937.2	0.6	0.002 0	0.000 4	1,140.9 β^-
1,014.7	0.8	0.000 68	0.000 22	1,218.7 β^-
1,136.8	0.6	0.004 6	0.001 1	1,340.4 β^-
1,141.1	1.5	0.001 0	0.000 4	1,140.9 β^-
1,218.7	0.4	0.006 2	0.001 1	1,218.7 β^-
1,230.8	1.0	0.000 51	0.000 22	1,434.0 β^-
1,340.3	0.8	0.000 33	0.000 11	1,340.4 β^-
1,433.9	0.5	0.004 4	0.001 1	1,434.0 β^-

 E_γ , σE_γ , I_γ , σI_γ Levels from ENSDF Database as of June 1, 2000① These I_γ are per 100 Decays of ^{205}Hg .

② For total uncertainty add 45% systematic component in quadrature, based on the normalization factor 0.022(10).

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: $^{199\text{m}}\text{Hg}$

Half Life: 42.6(2) min.

E_γ (keV)	σE_γ	I_γ	σI_γ	Level
118.6				532.48 IT
158.3	0.1	52.3		158.379 50 IT
255.0				413.84 IT
374.1	0.1	13.8	1.0	532.48 IT
413.4	0.2	0.027	0.002	413.84 IT

 E_γ , σE_γ , I_γ , σI_γ Levels from ENSDF Database as of June 8, 2000① These I_γ are per 100 Decays of $^{199\text{m}}\text{Hg}$.

② For total uncertainty add 1.91% systematic component in quadrature, based on the normalization factor 0.523(10)

^{205}Hg (5.2 min.) Decay Scheme

