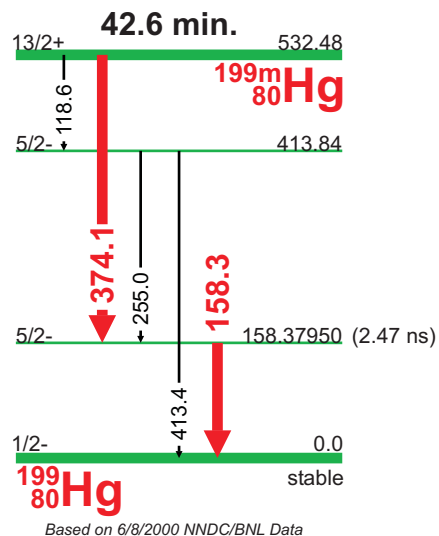


# <sup>199m</sup>Hg (42.6 min.) Decay Scheme



## GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: <sup>199m</sup>Hg

Half Life: 42.6(2) min.

$E_\gamma$ (keV)	$\sigma E_\gamma$	$I_\gamma$	$\sigma I_\gamma$	Level
118.6				532.48 IT
<b>158.3</b>	<b>0.1</b>	<b>52.3</b>		<b>158.379 50</b> IT
255.0				413.84 IT
<b>374.1</b>	<b>0.1</b>	<b>13.8</b>	<b>1.0</b>	<b>532.48</b> IT
413.4	0.2	0.027	0.002	413.84 IT

$E_\gamma$ ,  $\sigma E_\gamma$ ,  $I_\gamma$ ,  $\sigma I_\gamma$  Levels from ENSDF Database as of June 8, 2000

① These  $I_\gamma$  are per 100 Decays of <sup>199m</sup>Hg.

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

## GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: <sup>205</sup>Hg

Half Life: 5.2(1) min.

$E_\gamma$ (keV)	$\sigma E_\gamma$	$I_\gamma$	$\sigma I_\gamma$	Level
<b>203.750</b>	<b>0.009</b>	<b>2.20</b>		<b>203.750</b> $\beta^-$
415.6	0.3	0.013 0	0.001 8	619.3 $\beta^-$
521.3		0.000 7	0.000 2	1,140.9 $\beta^-$
618.6	0.7	0.002 0	0.000 4	619.3 $\beta^-$
720.8	0.8	0.001 1	0.000 3	1,340.4 $\beta^-$
937.2	0.6	0.002 0	0.000 4	1,140.9 $\beta^-$
1,014.7	0.8	0.000 68	0.000 22	1,218.7 $\beta^-$
1,136.8	0.6	0.004 6	0.001 1	1,340.4 $\beta^-$
1,141.1	1.5	0.001 0	0.000 4	1,140.9 $\beta^-$
1,218.7	0.4	0.006 2	0.001 1	1,218.7 $\beta^-$
1,230.8	1.0	0.000 51	0.000 22	1,434.0 $\beta^-$
1,340.3	0.8	0.000 33	0.000 11	1,340.4 $\beta^-$
1,433.9	0.5	0.004 4	0.001 1	1,434.0 $\beta^-$

$E_\gamma$ ,  $\sigma E_\gamma$ ,  $I_\gamma$ ,  $\sigma I_\gamma$  Levels from ENSDF Database as of June 1, 2000

① These  $I_\gamma$  are per 100 Decays of <sup>205</sup>Hg.

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

# <sup>205</sup>Hg (5.2 min.) Decay Scheme

