Adopted Levels, Gammas

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong and Kang Mengxiao	NDS 121, 395 (2014)	1-Mar-2014

Q(β^-)=−2845 *26*; S(n)=6887 *23*; S(p)=6075 *23*; Q(α)=2277 *24* 2012Wa38

^{195}Hg Levels

Cross Reference (XREF) Flags

A	^{195}Hg IT decay (41.6 h)	D	(HI,xnγ)
B	^{195}Tl ε decay	E	(HI,xnγ):SD
C	^{196}Hg(p,d)		

E(level)†	J$^\pi$‡	T$_{1/2}$	XREF	Comments
0.0	1/2$^-$	10.53 h *3*	ABC	%ε+%β^+=100 μ=+0.5414749 *14* (1973Re04,2011StZZ) J$^\pi$: optical double resonance and μ analysis (1978LeZA,1976Fu06). T$_{1/2}$: From 2001Li17 (weighted average of six γ(t) measurements). Others: 9.5 h *5* (1952Hu54), 11.5 h *10* (1973Vi09). μ: From optical pumping, nuclear magnetic resonance (1973Re04); ^{199}Hg standard. Others: +0.541475 *1* (1978LeZA), +0.542272 *34* (1978LeZA, calculated with the use of hyperfine-structure ratio relative to ^{199}Hg), +0.538 (1976Fu06). For the μ calculation see 1985Kr14.
37.083 *19*	3/2$^-$	<50 ps	ABC	J$^\pi$: γ to 1/2$^-$ is M1+E2. T$_{1/2}$: from $\gamma\gamma$(t) measurement in ^{195}Hg IT decay (1973Vi09).
53.289 *20*	5/2$^-$	0.72 ns *3*	ABC	J$^\pi$: γ to 1/2$^-$ is E2 and γ from 13/2$^+$ is M4. T$_{1/2}$: from $\gamma\gamma$(t) measurement in ^{195}Hg IT decay (1969Ba42). Other: 0.79 ns *7* (1961Re12).
176.07& *4*	13/2$^+$	41.6 h *8*	ABCD	%IT=54.2 *20*; %ε+%β^+=45.8 *20* μ=−1.0446473 *26* (1973Re04,2011StZZ) Q=+1.08 *11* (1986Ul02,2011StZZ) μ: From optical pumping, nuclear magnetic resonance (1973Re04), ^{199}Hg standard. Others: −1.044647 *3* (1978LeZA), −1.05565 *13* (1978LeZA, calculated with the hyperfine-structure ratio relative to ^{199}Hg standard), −1.038 (1976Fu06). Q: ^{201}Hg standard. Other: +1.27 *11* (1978LeZA), +1.2 (1976Fu06). For the Q calculation see 1985Kr14. J$^\pi$: optical double resonance and μ analysis (1978LeZA,1976Fu06). T$_{1/2}$: from γ(t) measurement (1973Vi09). Others: 43 h *5* (1961Ju06), 42 h *3* (1954Br56), 40.0 h *5* (1953Hu44), and 38.0 h (1951Mo55). For the suggested configuration, see 1986AgZZ.
279.203 *24*	3/2$^-$		BC	J$^\pi$: γ to 1/2$^-$ is M1+E2.
300.55 *3*	3/2$^-$,5/2$^-$		BC	J$^\pi$: γ to 1/2$^-$ is E2.
373.17 *11*	(9/2$^+$)		B	J$^\pi$: 373-, 844-, 847- and 1304-keV levels are low-spin members of the i13/2$^+$ band; (3/2$^+$) to 5/2$^+$ to 9/2$^+$ to 13/2$^+$ and (3/2$^+$) to 7/2$^+$ to 9/2$^+$ to 13/2$^+$ are γ-ray cascades of the 456-471-197 and 426-501-197 keV; the energies of the transitions in these levels are close to the analogous cascades in ^{197}Hg (1977Ke18,1977ZgZZ); E2 of the 197 and 471-keV γ's are consistent (1978Go15).
410.31 *4*	3/2$^-$,5/2$^-$,7/2$^-$		B	J$^\pi$: γ to 5/2$^-$ is M1.
422.51 *10*	(1/2$^-$ to 7/2$^-$)		B	J$^\pi$: (E2) 407γ to this level from 3/2$^-$.
547.06& *11*	17/2$^+$		D	J$^\pi$: γ to 13/2$^+$ is stretched E2 and decoupled i13/2$^+$ band member.
595.48 *4*	(3/2)$^-$		B	J$^\pi$: γ to 3/2$^-$ is M1 and log *ft*=7.29 from 1/2$^+$; (M1+E2) γ to 5/2$^-$ rules out 1/2$^-$.

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Adopted Levels, Gammas (continued)

^{195}Hg Levels (continued)

E(level)[†]	Jπ[‡]	$T_{1/2}$	XREF	Comments
600.67 *4*	3/2⁻		B	Jπ: γ to 5/2⁻ is M1 and log *ft*=6.70 from 1/2⁺.
764.57 *5*	1/2⁻		B	Jπ: γ to 1/2⁻ is E0+M1.
814.71 *4*	1/2⁻,3/2⁻		B	Jπ: γ to 1/2⁻ is M1.
844.8 *4*	(5/2⁺)[#]		B	
848.38 *24*	(15/2⁺)[@]		D	
874.66 *19*	(7/2⁺)[#]		B	
893.16 *5*	3/2⁻		B	Jπ: γ to 5/2⁻ is M1 and log *ft*=7.32 from 1/2⁺.
921.56 *4*	1/2⁻,3/2⁻		B	Jπ: γ to 1/2⁻ is M1 and log *ft*=6.51 from 1/2⁺.
1004.56 *4*	1/2⁻,3/2⁻		B	Jπ: γ to 3/2⁻ is M1 and log *ft*=7.09 from 1/2⁺.
1067.43 *7*	(3/2⁻,5/2⁻)		B	Jπ: γ to 1/2⁻ and 7/2⁻; log *ft*=8.18 from 1/2⁺.
1140.33 *9*	1/2⁻,3/2,5/2⁻		B	Jπ: γ to 1/2⁻ and 5/2⁻; log *ft*=7.67 from 1/2⁺.
1158.41[&] *14*	21/2⁺		D	Jπ: γ to 17/2⁺ is stretched E2 and decoupled i13/2⁺ band member.
1259.51 *13*	1/2⁻,3/2,5/2⁻		B	Jπ: γ to 1/2⁻,5/2⁻ and log *ft*=7.99 from 1/2⁺.
1301.1 *4*	(3/2⁺)[#]		B	
1400.77 *5*	1/2⁻		B	Jπ: γ to 1/2⁻ is E0+M1.
1460.91 *19*	(19/2)⁺		D	Jπ: γ to 17/2⁺ is M1+E2 and γ from 21/2⁻ is (E1).
1486.50 *18*	(19/2⁺)[@]		D	
1548.67 *6*	1/2⁻,3/2⁻		B	Jπ: γ to 3/2⁻ is M1 and log *ft*=6.47 from 1/2⁺.
1664.24 *7*	1/2,3/2,5/2⁻		B	Jπ: log *ft*=7.01 from 1/2⁺.
1714.65 *14*	1/2,3/2,5/2⁻		B	Jπ: log *ft*=6.99 from 1/2⁺.
1742.59 *9*	1/2,3/2		B	Jπ: log *ft*=6.69 from 1/2⁺.
1744.37[a] *16*	21/2⁻		D	Jπ: bandhead of the coupled i13/2 band with signature α=−1/2 in (HI,xnγ). For the suggested possible configuration, see 1986AgZZ.
1831.39 *14*	1/2,3/2		B	Jπ: log *ft*=7.0 from 1/2⁺.
1865.95[e] *23*	23/2⁻		D	
1868.85[&] *22*	25/2⁺		D	Jπ: γ to 21/2⁺ is stretched E2 and decoupled i13/2⁺ band member.
1870.1[a] *4*	25/2⁻	1.48 ns *6*	D	Jπ: γ to 21/2⁻ is E2 and member of the coupled i13/2 band with signature α=−1/2. $T_{1/2}$: from ce(t) measurement in (HI,xnγ) (1978Me11).
1879.26 *19*	1/2,3/2		B	Jπ: log *ft*=7.30 from 1/2⁺.
1893.13 *25*	1/2,3/2		B	Jπ: log *ft*=7.57 from 1/2⁺.
1975.37 *15*	1/2,3/2		B	Jπ: log *ft*=7.20 from 1/2⁺.
2014.69 *6*	1/2,3/2		B	Jπ: log *ft*=6.19 from 1/2⁺.
2057.37 *11*	1/2,3/2		B	Jπ: log *ft*=6.48 from 1/2⁺.
2080.93[e] *24*	27/2⁻		D	
2171.6[a] *4*	29/2⁻		D	Jπ: γ to 25/2⁻ is E2 and member of the coupled i13/2 band with signature α=−1/2.
2230.14 *13*	1/2,3/2		B	Jπ: log *ft*=7.0 from 1/2⁺.
2255.59 *23*	1/2,3/2		B	Jπ: log *ft*=6.77 from 1/2⁺.
2285.07 *6*	1/2,3/2		B	Jπ: log *ft*=6.22 from 1/2⁺.
2305.01 *11*	1/2,3/2		B	Jπ: log *ft*=6.27 from 1/2⁺.
2311.5 *3*	1/2,3/2		B	Jπ: log *ft*=6.96 from 1/2⁺.
2338.4 *4*	1/2,3/2		B	Jπ: log *ft*=6.46 from 1/2⁺.
2339.2 *6*	1/2,3/2		B	Jπ: log *ft*=7.35 from 1/2⁺.
2363.1 *3*	1/2,3/2		B	Jπ: log *ft*=6.53 from 1/2⁺.
2403.1 *4*	1/2,3/2		B	Jπ: log *ft*=6.39 from 1/2⁺.
2413.01[b] *24*	29/2⁺		D	Jπ: γ to 25/2⁺ is stretched E2 and decoupled i13/2⁺ band member.
2420.27 *14*	1/2,3/2		B	Jπ: log *ft*=6.04 from 1/2⁺.
2428.79 *16*	1/2,3/2		B	Jπ: log *ft*=6.38 from 1/2⁺.
2456.8 *4*	1/2,3/2		B	Jπ: log *ft*=6.60 from 1/2⁺.
2508.24 *19*	1/2,3/2		B	Jπ: log *ft*=6.33 from 1/2⁺.
2513.23 *10*	1/2⁺,3/2⁺		B	Jπ: log *ft*=5.69 from 1/2⁺.
2627.8[e] *3*	31/2⁻		D	

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Adopted Levels, Gammas (continued)

^{195}Hg Levels (continued)

E(level)[†]	J$^{\pi}$[‡]	$T_{1/2}$	XREF	Comments
2691.3[b] 3	33/2$^+$	≤0.25 ns	D	J$^{\pi}$: γ to 29/2$^+$ is stretched E2 and decoupled i13/2$^+$ band member. $T_{1/2}$: from ce(t) measurement in (HI,xnγ) (1978Me11).
2759.0[&] 4	(29/2$^+$)		D	
2773.8[a] 4	33/2$^-$		D	
3159.2[b] 3	37/2$^+$		D	
3214.9 3	33/2$^+$[@]		D	
3264.9[c] 4	33/2$^+$		D	
3366.8[e] 4	35/2$^-$		D	
3403.3 4	35/2[@]		D	
3505.0 5			D	
3556.0[a] 4	37/2$^-$		D	
3562.6[c] 3	37/2$^+$		D	
3699.7 4	37/2$^+$		D	
3866.7 4	39/2[@]		D	
3868.8[b] 5	41/2$^+$		D	
4080.2[c] 4	41/2$^+$		D	
4183.0[d] 5	41/2$^-$		D	
4197.1[e] 5	39/2$^-$		D	
4397.4 4	41/2$^+$		D	
4519.8 4	43/2[@]		D	
4580.8 7			D	
4709.6[d] 5	45/2$^-$		D	
4741.7[b] 5	45/2$^+$		D	
4802.5[f] 6	43/2$^-$		D	
4808.9 5			D	
4901.5[c] 5	45/2$^+$		D	
4982.2 4	43/2$^+$[@]		D	
5136.5 6			D	
5175.8 5	43/2$^+$		D	
5242.2 6			D	
5253.5 4			D	
5309.4 5	45/2$^+$		D	
5379.3[f] 6	47/2$^-$		D	
5400.4[d] 5	49/2$^-$		D	
5410.8[h] 5	47/2$^+$		D	J$^{\pi}$: stretch E1 to 45/2$^-$.
5446.0 5	53/2$^-$		D	
5490.1 6			D	
5499.3 6			D	
5558.0? 6			D	
5591.4 7			D	
5597.7 7			D	
5686.8[h] 6	49/2$^+$		D	
5748.6[b] 6	49/2$^+$		D	
5799.6 7			D	
5869.0 8			D	
5892.2[h] 6	51/2$^+$		D	
5962.9 9			D	
6175.4 6			D	
6298.6[h] 6	53/2$^+$		D	
6326.5[d] 6	53/2$^-$		D	

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Adopted Levels, Gammas (continued)

^{195}Hg Levels (continued)

E(level)[†]	Jπ[‡]	XREF	Comments
6495.4 *8*	55/2	D	
6650.5[h] *6*	55/2$^+$	D	
6791.6 *8*	57/2	D	
7127.1[h] *7*	57/2$^+$	D	
7188.8 *10*		D	
7404.9 *7*	57/2$^{(-)}$	D	Jπ: stretch Q, probably (E2), to 53/2$^-$.
7411.8 *7*	57/2$^{(-)}$	D	Jπ: stretch Q, probably (E2), to 53/2$^-$.
7536.6[h] *8*	59/2$^+$	D	
7744.1[g] *8*	59/2$^{(-)}$	D	
8008.9[h] *9*	61/2$^+$	D	
8066.6[g] *8*	61/2$^{(-)}$	D	
8381.7[h] *10*	63/2$^+$	D	
8456.1[g] *8*	63/2$^{(-)}$	D	
8891.8[g] *9*	65/2$^{(-)}$	D	
9331.4[g] *9*	67/2$^{(-)}$	D	
9785.3[g] *10*	69/2$^{(-)}$	D	
10220.8[g] *12*	71/2$^{(-)}$	D	
v[i]	J	D	
171.8+v[i]	J+1	D	
443.2+v[i]	J+2	D	
748.8+v[i]	J+3	D	
x[j]	J≈(25/2$^+$)	E	Jπ: from 33/2 to 29/2 assignment for 333.9γ. Parity from 9/2[624] orbital assignment.
294.0+x?[j] *10*	J+2	E	
627.9+x[j] *10*	J+4	E	Jπ: 333.9γ assigned as 33/2 to 29/2 transition based on Harris expansion of moment of inertia versus angular frequency (1997Ha01).
1000.7+x[j] *11*	J+6	E	
1411.9+x[j] *11*	J+8	E	
1860.3+x[j] *11*	J+10	E	
2345.0+x[j] *11*	J+12	E	
2864.8+x[j] *11*	J+14	E	
3418.8+x[j] *11*	J+16	E	
4006.3+x[j] *12*	J+18	E	
4626.6+x[j] *12*	J+20	E	
5278.8+x[j] *13*	J+22	E	
5962.0+x[j] *13*	J+24	E	
6676.2+x[j] *13*	J+26	E	
7419.4+x[j] *15*	J+28	E	
8192.2+x[j] *16*	J+30	E	
8994.4+x[j] *18*	J+32	E	
9826.3+x?[j] *21*	J+34	E	
10687.4+x?[j] *23*	J+36	E	
11574.4+x?[j] *25*	J+38	E	
y[k]	J≈(23/2$^+$)	E	Jπ: from 27/2 to 23/2 assignment for 273.9γ. Parity from 9/2[624] orbital assignment.
273.9+y[k] *2*	J+2	E	Jπ: 273.9γ assigned as 27/2 to 23/2 transition based on Harris expansion of moment of inertia versus angular frequency (1997Ha01).
588.1+y[k] *2*	J+4	E	
941.6+y[k] *3*	J+6	E	
1333.8+y[k] *3*	J+8	E	
1763.7+y[k] *3*	J+10	E	
2230.6+y[k] *3*	J+12	E	

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Adopted Levels, Gammas (continued)

^{195}Hg Levels (continued)

E(level)[†]	J$^{\pi}$[‡]	XREF	Comments
2733.4+y[k] *4*	J+14	E	
3271.0+y[k] *4*	J+16	E	
3842.3+y[k] *4*	J+18	E	
4446.5+y[k] *4*	J+20	E	
5082.7+y[k] *6*	J+22	E	
5750.8+y[k] *6*	J+24	E	
6448.9+y[k] *6*	J+26	E	
7177.2+y[k] *7*	J+28	E	
7935.0+y[k] *7*	J+30	E	
8722.2+y[k] *8*	J+32	E	
9538.0+y[k] *12*	J+34	E	
10383.0+y[k] *15*	J+36	E	
11257.0+y?[k] *18*	J+38	E	
z[l]	J≈(21/2$^-$)	E	J$^{\pi}$: from 29/2 to 25/2 assignment for 284.5γ. Parity from $j_{15/2}$ orbital assignment.
244.0+z?[l] *10*	J+2	E	
528.5+z[l] *10*	J+4	E	J$^{\pi}$: 284.5γ assigned as 29/2 to 25/2 transition based on Harris expansion of moment of inertia versus angular frequency (1997Ha01).
853.5+z[l] *10*	J+6	E	
1218.9+z[l] *11*	J+8	E	
1624.2+z[l] *11*	J+10	E	
2069.2+z[l] *11*	J+12	E	
2553.7+z[l] *11*	J+14	E	
3077.3+z[l] *11*	J+16	E	
3639.4+z[l] *11*	J+18	E	
4239.4+z[l] *11*	J+20	E	
4876.6+z[l] *11*	J+22	E	
5549.9+z[l] *11*	J+24	E	
6258.6+z[l] *12*	J+26	E	
7000.8+z[l] *15*	J+28	E	
7776.9+z[l] *15*	J+30	E	
8581.9+z[l] *16*	J+32	E	
9411.0+z[l] *17*	J+34	E	
10259.5+z[l] *18*	J+36	E	
11127.5+z?[l] *20*	J+38	E	
u[m]	J≈(31/2$^-$)	E	J$^{\pi}$: from 35/2 to 31/2 assignment for 341.9γ. Parity from $j_{15/2}$ orbital assignment.
341.9+u[m] *1*	J+2	E	J$^{\pi}$: 341.9γ assigned as 35/2 to 31/2 transition based on Harris expansion of moment of inertia versus angular frequency (1997Ha01).
722.8+u[m] *2*	J+4	E	
1141.9+u[m] *2*	J+6	E	
1599.1+u[m] *2*	J+8	E	
2093.6+u[m] *2*	J+10	E	
2625.0+u[m] *3*	J+12	E	
3192.6+u[m] *3*	J+14	E	
3795.4+u[m] *3*	J+16	E	
4433.5+u[m] *3*	J+18	E	
5105.9+u[m] *4*	J+20	E	
5811.8+u[m] *5*	J+22	E	
6550.9+u[m] *9*	J+24	E	
7322.5+u[m] *10*	J+26	E	

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Adopted Levels, Gammas (continued)

^{195}Hg Levels (continued)

E(level)[†]	J$^{\pi}$[‡]	XREF
8125.5+u[m] *11*	J+28	E
8962.0+u[m] *12*	J+30	E
9830.0+u[m] *13*	J+32	E
10729.0+u?[m] *15*	J+34	E

[†] From least-squares fit to Eγ's.
[‡] From directional correlation ratios Iγ(30°)/Iγ(90°) determined from coincidence spectra and known stretched E2 transitions and band structure analysis (HI,xnγ) (1998Ne01,1991Me06), except as noted.
[#] See J^{π} notes for the 373-keV level.
[@] From directional correlation ratios Iγ(30°)/Iγ(90°) determined from coincidence spectra (HI,xnγ) (1991Me06).
[&] Band(A): Decoupled $i_{13/2}$ band. Signature α=+1/2. Configuration=(ν $i_{13/2}$). Members of band: $13/2^+$ to $29/2^+$.
[a] Band(B): Coupled $i_{13/2}$ band. Signature α=−1/2. Configuration=(ν $i_{13/2}$). Members of band: $21/2^-$ to $37/2^-$.
[b] Band(C): Signature α=+1/2. Members of band: $29/2^+$ to $49/2^+$.
[c] Band(D): Signature α=+1/2. Members of band: $33/2^+$ to $45/2^+$.
[d] Band(E): Signature α=+1/2. Members of band: $41/2^-$ to $53/2^-$.
[e] Band(F): Signature α=−1/2. Members of band: $23/2^-$ to $39/2^-$.
[f] Band(G): Signature α=−1/2. Members of band: $43/2^-$ to $47/2^-$.
[g] Band(H): dipole sequence-1 π=(−).
[h] Band(I): dipole sequence-2 π=+.
[i] Band(J): dipole sequence-3.
[j] Band(K): SD-1 band (1997Ha01), α=+1/2. Percent population=0.4 *2*.
[k] Band(L): SD-2 band (1997Ha01), α=−1/2. Percent population=0.9 *3*. SD-1 and SD-2 bands are interpreted (1997Ha01) as signature partners based on ν9/2[624] orbital.
[l] Band(M): SD-3 band (1997Ha01), α=+1/2. Percent population=0.4 *1*.
[m] Band(N): SD-4 band (1997Ha01), α=−1/2. Percent population=0.6 *3*. SD-3 and SD-4 bands are interpreted (1997Ha01) as signature partners based on $\nu j_{15/2}$ intruder orbital.

Adopted Levels, Gammas (continued)

γ(^{195}Hg)

All data are from ^{195}Tl ε decay, except as noted.
For unplaced γ, see ^{195}Tl ε decay.

E_i(level)	J_i^π	E_γ	I_γ [†]	E_f	J_f^π	Mult.	δ	α [a]	Comments
37.083	3/2⁻	37.09[‡] *3*	100[‡]	0.0	1/2⁻	M1+E2[‡]	0.032[‡] *5*	26.7 *5*	B(M1)(W.u.)>0.31; B(E2)(W.u.)>60
53.289	5/2⁻	16.21[‡] *3*	100[‡] *11*	37.083	3/2⁻	M1+E2[‡]	0.024[‡] *6*	321 *13*	B(M1)(W.u.)=0.022 *4*; B(E2)(W.u.)=18 *10*
		53.29[‡] *3*	5.1[‡] *4*	0.0	1/2⁻	E2[‡]		99.8	B(E2)(W.u.)=4.2 *7*
176.07	13/2⁺	122.78[‡] *3*	100[‡]	53.289	5/2⁻	M4[‡]		1840	B(M4)(W.u.)=1.73 *8*
279.203	3/2⁻	225.93 *5*	29.6 *22*	53.289	5/2⁻	M1+E2	0.47 *+17−20*	0.69 *6*	
		242.15 *5*	100 *8*	37.083	3/2⁻	M1(+E2)	0.42 *+17−22*	0.58 *5*	
		279.19 *5*	87 *6*	0.0	1/2⁻	M1+E2	1.53 *2*	0.224	
300.55	3/2⁻,5/2⁻	21.36 *4*		279.203	3/2⁻				I(γ+ce)=37 *9* E_γ: transition not seen, but required by γγ. Eγ from the level energy difference. $I_{(\gamma+ce)}$: from I(γ+ce)/I(γ)(300γ)=37 *9*/100 *7* (^{195}Tl ε decay.).
		247.30 *5*	53.7 *35*	53.289	5/2⁻	M1(+E2)	0.52 *+17−19*	0.52 *5*	
		263.51 *10*	36.6 *22*	37.083	3/2⁻	M1(+E2)	1.0 *+3−2*	0.34 *5*	
		300.60 *5*	100 *7*	0.0	1/2⁻	E2		0.1058	
373.17	(9/2⁺)	197.10 *10*	100	176.07	13/2⁺	(E2)		0.411	
410.31	3/2⁻,5/2⁻,7/2⁻	109.78 *10*	9 *6*	300.55	3/2⁻,5/2⁻				
		131.14 *10*	25 *6*	279.203	3/2⁻				
		356.99 *5*	77 *76*	53.289	5/2⁻	M1		0.225	
		373.24 *5*	100 *7*	37.083	3/2⁻	(E2)		0.0571	
422.51	(1/2⁻ to 7/2⁻)	122.0[d]		300.55	3/2⁻,5/2⁻				
		143.4[d]		279.203	3/2⁻				
		369.26 *10*	100 *15*	53.289	5/2⁻				
		385.5[d]		37.083	3/2⁻				
547.06	17/2⁺	371.0[#] *1*	100[#]	176.07	13/2⁺	E2[#]		0.0581	
595.48	(3/2)⁻	172.9[d]		422.51	(1/2⁻ to 7/2⁻)				
		185.8 *5*	1.0 *8*	410.31	3/2⁻,5/2⁻,7/2⁻				
		295.14 *20*	5.4 *17*	300.55	3/2⁻,5/2⁻				
		316.27 *10*	3.7 *17*	279.203	3/2⁻				
		542.16 *5*	41.2 *33*	53.289	5/2⁻	(E2+M1)		0.05 *3*	
		558.38 *5*	100 *6*	37.083	3/2⁻	M1		0.0686	
		595.2[c]	3.7[c] *12*	0.0	1/2⁻				
600.67	3/2⁻	178.1[d]		422.51	(1/2⁻ to 7/2⁻)				
		190.4[d]		410.31	3/2⁻,5/2⁻,7/2⁻				

From ENSDF

$^{195}_{80}Hg_{115}$-7

Adopted Levels, Gammas (continued)

γ(^{195}Hg) (continued)

E_i(level)	J_i^π	E_γ	I_γ [†]	E_f	J_f^π	Mult.	α[a]
600.67	3/2⁻	299.9[d]		300.55	3/2⁻,5/2⁻		
		321.3[c]	0.51[c] *25*	279.203	3/2⁻		
		547.34 *5*	6.4 *4*	53.289	5/2⁻	M1	0.0723
		563.52 *5*	100 *5*	37.083	3/2⁻	M1	0.0670
		600.64 *10*	6.2 *9*	0.0	1/2⁻		
764.57	1/2⁻	163.9[d]		600.67	3/2⁻		
		169.2[d]		595.48	(3/2)⁻		
		464.01 *10*	14 *4*	300.55	3/2⁻,5/2⁻		
		485.38 *10*	54 *6*	279.203	3/2⁻	(M1+E2)	0.06 *4*
		711.15 *10*	100 *7*	53.289	5/2⁻		
		727.40 *15*	80 *11*	37.083	3/2⁻	(M1)	0.0345
		764.52 *10*	51 *6*	0.0	1/2⁻	E0+M1	0.15 *4*
814.71	1/2⁻,3/2⁻	214.1[d]		600.67	3/2⁻		
		219.3[d]		595.48	(3/2)⁻		
		392.2[d]		422.51	(1/2⁻ to 7/2⁻)		
		404.5[d]		410.31	3/2⁻,5/2⁻,7/2⁻		
		514.1[d]		300.55	3/2⁻,5/2⁻		
		535.5[d]		279.203	3/2⁻		
		761.42 *15*	8.9 *17*	53.289	5/2⁻		
		777.68 *15*	59 *9*	37.083	3/2⁻		
		814.68 *5*	100 *5*	0.0	1/2⁻	M1	0.0258
844.8	(5/2⁺)	471.7 *4*	100	373.17	(9/2⁺)		
848.38	(15/2⁺)	301.5[#] *9*	100[#] *50*	547.06	17/2⁺		
		672.1[#] *5*		176.07	13/2⁺		
874.66	(7/2⁺)	501.48 *15*	100	373.17	(9/2⁺)		
893.16	3/2⁻	128.6[d]		764.57	1/2⁻		
		292.5[d]		600.67	3/2⁻		
		297.7[d]		595.48	(3/2)⁻		
		470.8 *4*	10 *5*	422.51	(1/2⁻ to 7/2⁻)	(E2)	0.0312
		482.8[c]	29[c] *4*	410.31	3/2⁻,5/2⁻,7/2⁻		
		592.59 *10*	100 *11*	300.55	3/2⁻,5/2⁻	M1	0.0587
		613.88 *10*	60 *7*	279.203	3/2⁻	M1	0.0535
		839.9[d]		53.289	5/2⁻		
		855.94 *10*	24.8 *22*	37.083	3/2⁻		
		893.06 *10*	75 *6*	0.0	1/2⁻	M1	0.0204
921.56	1/2⁻,3/2⁻	107.0[d]		814.71	1/2⁻,3/2⁻		
		157.1[d]		764.57	1/2⁻		
		321.3[c]	1.68[c] *53*	600.67	3/2⁻		
		326.0[c]	1.5[c] *4*	595.48	(3/2)⁻		

From ENSDF

$^{195}_{80}Hg_{115}$-8

Adopted Levels, Gammas (continued)

γ(^{195}Hg) (continued)

E_i(level)	J_i^π	E_γ	I_γ[†]	E_f	J_f^π	Mult.	α[a]
921.56	1/2⁻,3/2⁻	499.0[d]		422.51	(1/2⁻ to 7/2⁻)		
		511.4	4.8 *16*	410.31	3/2⁻,5/2⁻,7/2⁻		
		620.96 *10*	2.2 *3*	300.55	3/2⁻,5/2⁻	(E2)	0.01628
		642.60 *20*	1.5 *3*	279.203	3/2⁻		
		868.56 *30*	0.40 *21*	53.289	5/2⁻		
		884.47 *5*	100 *6*	37.083	3/2⁻	M1	0.0209
		921.59 *5*	22.5 *13*	0.0	1/2⁻	M1	0.0188
1004.56	1/2⁻,3/2⁻	111.5[d]		893.16	3/2⁻		
		189.8[d]		814.71	1/2⁻,3/2⁻		
		240.0[d]		764.57	1/2⁻		
		403.86 *10*	5.4 *12*	600.67	3/2⁻		
		408.8[c]	7.6[c] *12*	595.48	(3/2)⁻	M1	0.1565
		582.3 *3*	5.3 *15*	422.51	(1/2⁻ to 7/2⁻)		
		595.2[c]	10.4[c] *15*	410.31	3/2⁻,5/2⁻,7/2⁻		
		704.03 *15*	8.7 *10*	300.55	3/2⁻,5/2⁻		
		725.27 *15*	29 *4*	279.203	3/2⁻	M1	0.0347
		951.39 *30*	8.3 *25*	53.289	5/2⁻		
		967.46 *5*	100 *6*	37.083	3/2⁻	M1	0.01659
		1004.54 *10*	7.1 *10*	0.0	1/2⁻		
1067.43	(3/2⁻,5/2⁻)	657.11 *25*	42 *13*	410.31	3/2⁻,5/2⁻,7/2⁻		
		788.06 *15*	23 *5*	279.203	3/2⁻		
		1013.82 *20*	11 *7*	53.289	5/2⁻		
		1067.16 *10*	100 *10*	0.0	1/2⁻		
1140.33	1/2⁻,3/2,5/2⁻	326.0[c]	4[c] *3*	814.71	1/2⁻,3/2⁻		
		544.0[c]	3.3[c] *20*	595.48	(3/2)⁻		
		861.13 *15*	28 *4*	279.203	3/2⁻		
		1086.90 *20*	11 *3*	53.289	5/2⁻		
		1102.93 *30*	25 *12*	37.083	3/2⁻		
		1140.47[c] *20*	100[c] *16*	0.0	1/2⁻		
1158.41	21/2⁺	611.3[#] *1*	100[#]	547.06	17/2⁺	E2[#]	0.01686
1259.51	1/2⁻,3/2,5/2⁻	659.3 *5*	26 *21*	600.67	3/2⁻		
		980.23 *15*	100 *13*	279.203	3/2⁻		
		1222.37 *30*	47 *17*	37.083	3/2⁻		
		1260.0 *5*	55 *17*	0.0	1/2⁻		
1301.1	(3/2⁺)	426		874.66	(7/2⁺)		
		456.35 *10*	100 *29*	844.8	(5/2⁺)		
1400.77	1/2⁻	396.55 *30*	0.9 *5*	1004.56	1/2⁻,3/2⁻		
		585.4 *5*	0.45 *37*	814.71	1/2⁻,3/2⁻		
		799.9 *4*	0.46 *25*	600.67	3/2⁻		
		805.32 *15*	2.1 *5*	595.48	(3/2)⁻		
		1100.33 *10*	27.8 *15*	300.55	3/2⁻,5/2⁻	E2	0.00501
		1121.66[c] *10*	25[c] *4*	279.203	3/2⁻	M1	0.01139

From ENSDF

$^{195}_{80}Hg_{115}$-9

Adopted Levels, Gammas (continued)

γ(^{195}Hg) (continued)

E_i(level)	J_i^π	E_γ	I_γ[†]	E_f	J_f^π	Mult.	α[a]
1400.77	1/2⁻	1347.78 *10*	13.8 *8*	53.289	5/2⁻		
		1363.88[c] *10*	100[c] *5*	37.083	3/2⁻	M1	0.00699
		1400.7 *3*	0.78 *19*	0.0	1/2⁻	E0+M1	0.62 *15*
1460.91	(19/2)⁺	913.8[#] *2*	100[#]	547.06	17/2⁺	M1+E2[#]	
1486.50	(19/2⁺)	638.1[#] *2*	68[#] *14*	848.38	(15/2⁺)		
		939.7[#] *2*	100[#] *18*	547.06	17/2⁺		
1548.67	1/2⁻,3/2⁻	408.8[c]	2.3[c] *11*	1140.33	1/2⁻,3/2,5/2⁻	M1	0.1565
		482.8[c]	7.3[c] *22*	1067.43	(3/2⁻,5/2⁻)		
		544.0[c]	11.6[c] *17*	1004.56	1/2⁻,3/2⁻	M1+E2	0.05 *3*
		655.45 *20*	19 *3*	893.16	3/2⁻	M1	0.0452
		733.94 *10*	26.3 *22*	814.71	1/2⁻,3/2⁻		
		783.72 *30*	3.4 *11*	764.57	1/2⁻		
		948.41 *30*	3.3 *17*	600.67	3/2⁻		
		953.0 *10*	2.2 *13*	595.48	(3/2)⁻		
		1248.00 *20*	6.5 *11*	300.55	3/2⁻,5/2⁻		
		1269.51 *10*	100 *5*	279.203	3/2⁻	M1	0.00834
		1511.62 *10*	60 *3*	37.083	3/2⁻		
		1548.0[c]	5.2[c] *17*	0.0	1/2⁻		
1664.24	1/2,3/2,5/2⁻	849.3[c]	8[c] *6*	814.71	1/2⁻,3/2⁻		
		1063.14 *30*	21 *6*	600.67	3/2⁻		
		1363.88[c] *10*	20[c] *11*	300.55	3/2⁻,5/2⁻		
		1627.00 *10*	98 *9*	37.083	3/2⁻		
		1664.20 *25*	100 *11*	0.0	1/2⁻		
1714.65	1/2,3/2,5/2⁻	792.8 *4*	6.3 *25*	921.56	1/2⁻,3/2⁻		
		821.3[c]	17[c] *5*	893.16	3/2⁻		
		899.5 *4*	5.4 *25*	814.71	1/2⁻,3/2⁻		
		1114.11 *30*	16 *5*	600.67	3/2⁻		
		1435.52 *20*	100 *9*	279.203	3/2⁻		
		1678.0 *5*	15 *5*	37.083	3/2⁻		
		1714.4[c]	63[c] *15*	0.0	1/2⁻		
1742.59	1/2,3/2	675.38 *20*	4.3 *18*	1067.43	(3/2⁻,5/2⁻)		
		737.8 *4*	2.8 *14*	1004.56	1/2⁻,3/2⁻		
		821.3[c]	3.9[c] *21*	921.56	1/2⁻,3/2⁻		
		849.3[c]	9[c] *4*	893.16	3/2⁻		
		927.90 *20*	27 *3*	814.71	1/2⁻,3/2⁻		
		1140.47[c] *20*	3.4[c] *14*	600.67	3/2⁻		
		1690.0 *6*	11 *4*	53.289	5/2⁻		
		1705.88 *15*	100 *7*	37.083	3/2⁻		
		1743.08 *20*	19.9 *18*	0.0	1/2⁻		
1744.37	21/2⁻	258.1[#] *2*	3.9[#] *7*	1486.50	(19/2⁺)		
		283.4[#] *2*	14.8[#] *13*	1460.91	(19/2)⁺	(E1)[#]	0.0318

From ENSDF

$^{195}_{80}Hg_{115}$-10

Adopted Levels, Gammas (continued)

γ(^{195}Hg) (continued)

E_i(level)	J_i^π	E_γ	I_γ[†]	E_f	J_f^π	Mult.	α[a]	Comments
1744.37	21/2$^-$	586.1[#] *1*	100[#] *10*	1158.41	21/2$^+$			
1831.39	1/2,3/2	1531.01 *25*	40 *4*	300.55	3/2$^-$,5/2$^-$			
		1552.26 *25*	62 *7*	279.203	3/2$^-$			
		1778.2[c]	62[c] *15*	53.289	5/2$^-$			
		1794.13 *20*	100 *8*	37.083	3/2$^-$			
1865.95	23/2$^-$	122.2[#] *2*	100[#]	1744.37	21/2$^-$			
1868.85	25/2$^+$	709.7[#] *2*	100[#]	1158.41	21/2$^+$	E2[#]	0.01216	
1870.1	25/2$^-$	126.6[#] *5*	100[#]	1744.37	21/2$^-$	E2[#]	2.12 *5*	B(E2)(W.u.)=56 *3*
1879.26	1/2,3/2	1842.16 *20*	100 *7*	37.083	3/2$^-$			
		1879.3 *5*	10 *4*	0.0	1/2$^-$			
1893.13	1/2,3/2	1613.9 *3*	93 *25*	279.203	3/2$^-$			
		1856.4 *7*	100 *30*	37.083	3/2$^-$			
		1893.0 *5*	51 *20*	0.0	1/2$^-$			
1975.37	1/2,3/2	834.7 *5*	64 *30*	1140.33	1/2$^-$,3/2,5/2$^-$			
		1053.3[c]	57[c] *30*	921.56	1/2$^-$,3/2$^-$			
		1210.88 *25*	98 *25*	764.57	1/2$^-$			
		1374.68 *20*	90 *15*	600.67	3/2$^-$			
		1675.2 *7*	54 *30*	300.55	3/2$^-$,5/2$^-$			
		1696.6 *10*	100 *40*	279.203	3/2$^-$			
2014.69	1/2,3/2	1009.99 *10*	18.5 *22*	1004.56	1/2$^-$,3/2$^-$			
		1092.82 *15*	11.3 *12*	921.56	1/2$^-$,3/2$^-$			
		1121.66[c] *10*	18[c] *4*	893.16	3/2$^-$			
		1200.00 *25*	7.8 *15*	814.71	1/2$^-$,3/2$^-$			
		1419.6 *5*	2.1 *15*	595.48	(3/2)$^-$			
		1714.4[c]	33[c] *5*	300.55	3/2$^-$,5/2$^-$			
		1735.4 *4*	6.1 *12*	279.203	3/2$^-$			
		1961.6 *3*	6.1 *12*	53.289	5/2$^-$			
		1977.75 *15*	100 *2*	37.083	3/2$^-$			
		2014.75 *15*	50.6 *24*	0.0	1/2$^-$			
2057.37	1/2,3/2	1053.3[c]	6[c] *4*	1004.56	1/2$^-$,3/2$^-$			
		1163.96 *20*	12 *4*	893.16	3/2$^-$			
		1242.61 *20*	10 *3*	814.71	1/2$^-$,3/2$^-$			
		1456.6 *4*	19 *7*	600.67	3/2$^-$			
		1462. *1*	7 *4*	595.48	(3/2)$^-$			
		1756.93 *20*	41 *4*	300.55	3/2$^-$,5/2$^-$			
		1778.2[c]	100[c] *14*	279.203	3/2$^-$			
		2004.4[c]	22[c] *6*	53.289	5/2$^-$			
		2020.8 *4*	13 *4*	37.083	3/2$^-$			
		2057.4 *4*	41 *6*	0.0	1/2$^-$			
2080.93	27/2$^-$	211.2[#] *2*	31[#] *5*	1870.1	25/2$^-$			
		215.6[#] *2*	100[#] *10*	1865.95	23/2$^-$			

From ENSDF

$^{195}_{80}Hg_{115}$-11

Adopted Levels, Gammas (continued)

γ(^{195}Hg) (continued)

E_i(level)	J_i^π	E_γ	I_γ[†]	E_f	J_f^π	Mult.	α[a]
2171.6	29/2$^-$	89.6[#] *4*	1.99	2080.93	27/2$^-$		
		301.5[#] *1*	100[#] *8*	1870.1	25/2$^-$	E2[#]	0.1049
2230.14	1/2,3/2	1337.1 *5*	23 *17*	893.16	3/2$^-$		
		1929.56 *20*	42 *9*	300.55	3/2$^-$,5/2$^-$		
		1950.88 *20*	100 *12*	279.203	3/2$^-$		
		2193.2 *4*	30 *12*	37.083	3/2$^-$		
2255.59	1/2,3/2	1660.7 *7*	82 *19*	595.48	(3/2)$^-$		
		2202.5 *7*	32 *17*	53.289	5/2$^-$		
		2218.34 *30*	40 *10*	37.083	3/2$^-$		
		2255.6 *5*	100 *12*	0.0	1/2$^-$		
2285.07	1/2,3/2	884.47 *5*	1.6 *10*	1400.77	1/2$^-$		
		1216.53 *15*	37 *5*	1067.43	(3/2$^-$,5/2$^-$)		
		1363.88[c] *10*	24[c] *12*	921.56	1/2$^-$,3/2$^-$		
		1390.43 *20*	55 *5*	893.16	3/2$^-$		
		1519.1 *3*	6 *3*	764.57	1/2$^-$		
		1688.2 *6*	26 *10*	595.48	(3/2)$^-$		
		2004.4[c]	21[c] *7*	279.203	3/2$^-$		
		2285[bd]	<100[b]	0.0	1/2$^-$		
2305.01	1/2,3/2	1383.43 *20*	41 *5*	921.56	1/2$^-$,3/2$^-$		
		1412.1 *4*	15 *6*	893.16	3/2$^-$		
		1490.25 *25*	100 *9*	814.71	1/2$^-$,3/2$^-$		
		2025.85 *30*	78 *7*	279.203	3/2$^-$		
		2251.9 *5*	24 *6*	53.289	5/2$^-$		
		2267.85 *20*	42 *5*	37.083	3/2$^-$		
2311.5	1/2,3/2	2031.8 *4*	87 *11*	279.203	3/2$^-$		
		2274.8 *4*	100 *18*	37.083	3/2$^-$		
2338.4	1/2,3/2	2285[b]	<100[b]	53.289	5/2$^-$		
		2301.2 *5*	20.3 *26*	37.083	3/2$^-$		
		2338.4 *5*	11.9 *26*	0.0	1/2$^-$		
2339.2	1/2,3/2	2060.4 *7*	16.7 *43*	279.203	3/2$^-$		
		2285[b]	<100[b]	53.289	5/2$^-$		
2363.1	1/2,3/2	1548.0[c]	67[c] *20*	814.71	1/2$^-$,3/2$^-$		
		2084.0 *4*	27 *7*	279.203	3/2$^-$		
		2362.9 *5*	100 *17*	0.0	1/2$^-$		
2403.1	1/2,3/2	1588.4 *5*	21 *6*	814.71	1/2$^-$,3/2$^-$		
		2123.9 *7*	5 *4*	279.203	3/2$^-$		
		2366.0 *5*	100 *10*	37.083	3/2$^-$		
2413.01	29/2$^+$	544.2[#] *1*	100[#]	1868.85	25/2$^+$	E2[#]	0.0220
2420.27	1/2,3/2	871.85 *30*	10 *5*	1548.67	1/2$^-$,3/2$^-$		
		1415.6 *4*	16 *7*	1004.56	1/2$^-$,3/2$^-$		
		1824.6 *4*	18 *6*	595.48	(3/2)$^-$		

From ENSDF

$^{195}_{80}Hg_{115}$-12

Adopted Levels, Gammas (continued)

γ(^{195}Hg) (continued)

E_i(level)	J_i^π	E_γ	I_γ[†]	E_f	J_f^π	Mult.	α[a]	Comments
2420.27	1/2,3/2	2119.9 *4*	20 *5*	300.55	$3/2^-$,$5/2^-$			
		2140.97 *20*	100 *9*	279.203	$3/2^-$			
		2382.9 *25*	90 *8*	37.083	$3/2^-$			
		2420.2[b]	<30.4[b]	0.0	$1/2^-$			
2428.79	1/2,3/2	1288.36 *20*	39 *8*	1140.33	$1/2^-$,3/2,$5/2^-$			
		1833.2 *4*	18 *6*	595.48	$(3/2)^-$			
		2150.1 *5*	72 *10*	279.203	$3/2^-$			
		2391.75 *30*	100 *10*	37.083	$3/2^-$			
		2429.0 *7*	7 *6*	0.0	$1/2^-$			
2456.8	1/2,3/2	2177.9 *4*	100 *13*	279.203	$3/2^-$			
		2420.2[bd]	<72.2[b]	37.083	$3/2^-$			
		2456.4 *5*	54 *10*	0.0	$1/2^-$			
2508.24	1/2,3/2	1907.9 *7*	23 *17*	600.67	$3/2^-$			
		2207.2 *7*	26 *21*	300.55	$3/2^-$,$5/2^-$			
		2228.9 *4*	60 *14*	279.203	$3/2^-$			
		2471.13 *25*	100 *10*	37.083	$3/2^-$			
		2508.8 *7*	60 *21*	0.0	$1/2^-$			
2513.23	$1/2^+$,$3/2^+$	1591.7 *4*	45 *7*	921.56	$1/2^-$,$3/2^-$			
		1619.5 *10*	14 *11*	893.16	$3/2^-$			
		1698.8 *10*	13 *7*	814.71	$1/2^-$,$3/2^-$			
		1912.34 *25*	29 *6*	600.67	$3/2^-$			
		1917.6 *2*	20 *5*	595.48	$(3/2)^-$			
		2212.8 *4*	46 *7*	300.55	$3/2^-$,$5/2^-$			
		2234.21 *20*	52 *5*	279.203	$3/2^-$			
		2459.8 *7*	9 *5*	53.289	$5/2^-$			
		2476.12 *25*	38 *4*	37.083	$3/2^-$			
		2513.28 *20*	100 *7*	0.0	$1/2^-$			
2627.8	$31/2^-$	546.9[#] *2*	100[#]	2080.93	$27/2^-$			
2691.3	$33/2^+$	278.4[#] *1*	100[#]	2413.01	$29/2^+$	E2[#]	0.1334	B(E2)(W.u.)>18
2759.0	$(29/2^+)$	890.1[#] *3*	100[#]	1868.85	$25/2^+$			
2773.8	$33/2^-$	602.2[#] *1*	100[#]	2171.6	$29/2^-$			
3159.2	$37/2^+$	467.9[#] *1*	100[#]	2691.3	$33/2^+$			
3214.9	$33/2^+$	801.8[#] *2*	100[#]	2413.01	$29/2^+$			
3264.9	$33/2^+$	573.9[#] *3*	100[#]	2691.3	$33/2^+$			
		851.3[#] *4*	50[#]	2413.01	$29/2^+$			
3366.8	$35/2^-$	739.0[#] *2*	100[#]	2627.8	$31/2^-$			
3403.3	35/2	711.8[#] *5*	100[#]	2691.3	$33/2^+$			
3505.0		813.6[#] *5*	100[#]	2691.3	$33/2^+$			
3556.0	$37/2^-$	782.1[#] *1*	100[#]	2773.8	$33/2^-$			
3562.6	$37/2^+$	297.7[#] *4*	11[#] *2*	3264.9	$33/2^+$			

From ENSDF

$^{195}_{80}Hg_{115}$-13

Adopted Levels, Gammas (continued)

γ(^{195}Hg) (continued)

E_i(level)	J_i^π	E_γ	I_γ †	E_f	J_f^π
3562.6	37/2$^+$	347.7# *2*	19# *2*	3214.9	33/2$^+$
		403.4# *2*	100# *9*	3159.2	37/2$^+$
3699.7	37/2$^+$	434.6# *5*	50# *15*	3264.9	33/2$^+$
		484.4# *4*	100# *20*	3214.9	33/2$^+$
3866.7	39/2	361.6# *7*	12# *3*	3505.0	
		463.3# *3*	88# *9*	3403.3	35/2
		707.6# *3*	100# *15*	3159.2	37/2$^+$
3868.8	41/2$^+$	710.8# *6*	100#	3159.2	37/2$^+$
4080.2	41/2$^+$	517.7# *2*	100#	3562.6	37/2$^+$
4183.0	41/2$^-$	626.7# *3*	100#	3556.0	37/2$^-$
4197.1	39/2$^-$	830.3# *2*	100#	3366.8	35/2$^-$
4397.4	41/2$^+$	697.2# *4*	100# *16*	3699.7	37/2$^+$
		1239.2# *5*	47# *11*	3159.2	37/2$^+$
4519.8	43/2	653.1# *2*	100#	3866.7	39/2
4580.8		1024.8# *7*	100#	3556.0	37/2$^-$
4709.6	45/2$^-$	526.5# *2*	100#	4183.0	41/2$^-$
4741.7	45/2$^+$	872.9# *2*	100#	3868.8	41/2$^+$
4802.5	43/2$^-$	605.4# *3*	100#	4197.1	39/2$^-$
4808.9		942.0# *5*	100#	3866.7	39/2
4901.5	45/2$^+$	821.2# *3*	100#	4080.2	41/2$^+$
4982.2	43/2$^+$	174.0# *8*	11.4# *46*	4808.9	
		902.1# *3*	100# *11*	4080.2	41/2$^+$
5136.5		555.7# *5*	83# *25*	4580.8	
		953.5# *5*	100# *33*	4183.0	41/2$^-$
5175.8	43/2$^+$	992.5# *4*	100# *14*	4183.0	41/2$^-$
		1307.3# *5*	18# *11*	3868.8	41/2$^+$
5242.2		844.8# *4*	100#	4397.4	41/2$^+$
5253.5		271.5# *3*	47# *13*	4982.2	43/2$^+$
		444.3# *4*	20# *7*	4808.9	
		733.6# *2*	100# *27*	4519.8	43/2
5309.4	45/2$^+$	133.4#		5175.8	43/2$^+$
		912.0# *3*	100# *16*	4397.4	41/2$^+$
		1440.9# *4*	31# *6*	3868.8	41/2$^+$
5379.3	47/2$^-$	576.8# *3*	100#	4802.5	43/2$^-$
5400.4	49/2$^-$	690.8# *2*	100#	4709.6	45/2$^-$
5410.8	47/2$^+$	103.2#		5309.4	45/2$^+$
		701.2# *2*	100# *10*	4709.6	45/2$^-$
5446.0	53/2$^-$	926.2# *3*	100#	4519.8	43/2
5490.1		970.2# *4*	100#	4519.8	43/2
5499.3		789.7# *4*	100#	4709.6	45/2$^-$
5558.0?		305.4#d *3*	100#	5253.5	
5591.4		338.0# *7*	100# *38*	5253.5	
		689.9# *7*	75# *25*	4901.5	45/2$^+$
5597.7		344.5# *8*	25# *13*	5253.5	
		696.0# *7*	100# *25*	4901.5	45/2$^+$
5686.8	49/2$^+$	276.4# *3*	100# *13*	5410.8	47/2$^+$
		378.6#d *8*	11# *4*	5309.4	45/2$^+$
5748.6	49/2$^+$	1006.9# *3*	100#	4741.7	45/2$^+$
5799.6		663.1# *4*	100#	5136.5	
5869.0		967.5# *6*	100#	4901.5	45/2$^+$
5892.2	51/2$^+$	205.9# *3*	100# *23*	5686.8	49/2$^+$
		481.3# *3*	83# *8*	5410.8	47/2$^+$
		491.5# *4*	38# *6*	5400.4	49/2$^-$
5962.9		1061.4# *7*	100#	4901.5	45/2$^+$
6175.4		685.1# *7*	38# *15*	5490.1	
		729.5# *5*	100# *23*	5446.0	53/2$^-$
6298.6	53/2$^+$	406.5# *3*	100# *10*	5892.2	51/2$^+$
		611.5# *4*	52# *13*	5686.8	49/2$^+$
6326.5	53/2$^-$	926.0# *3*	100#	5400.4	49/2$^-$
6495.4	55/2	196.7# *6*	100#	6298.6	53/2$^+$
6650.5	55/2$^+$	352.0# *4*	76# *10*	6298.6	53/2$^+$
		758.3# *3*	100# *12*	5892.2	51/2$^+$
6791.6	57/2	296.0# *7*	100#	6495.4	55/2
7127.1	57/2$^+$	335.4# *7*	36# *14*	6791.6	57/2
		476.9# *5*	82# *14*	6650.5	55/2$^+$
		828.3# *4*	100# *18*	6298.6	53/2$^+$
7188.8		1013.4# *7*	100#	6175.4	
7404.9	57/2$^{(-)}$	1078.5# *4*	100#	6326.5	53/2$^-$
7411.8	57/2$^{(-)}$	1085.3# *5*	100#	6326.5	53/2$^-$
7536.6	59/2$^+$	409.2# *8*	37# *11*	7127.1	57/2$^+$

From ENSDF

$^{195}_{80}Hg_{115}$-14

Adopted Levels, Gammas (continued)

γ(^{195}Hg) (continued)

E_i(level)	J_i^π	E_γ	I_γ †	E_f	J_f^π
7536.6	59/2$^+$	886.1# *6*	100# *21*	6650.5	55/2$^+$
7744.1	59/2$^{(-)}$	332.7# *7*	70# *15*	7411.8	57/2$^{(-)}$
		339.4# *6*	100# *20*	7404.9	57/2$^{(-)}$
8008.9	61/2$^+$	472.1# *8*	42# *17*	7536.6	59/2$^+$
		882.0# *7*	100# *25*	7127.1	57/2$^+$
8066.6	61/2$^{(-)}$	322.6# *6*	100# *16*	7744.1	59/2$^{(-)}$
		654.5# *7*	68# *16*	7411.8	57/2$^{(-)}$
		661.5# *6*	84# *21*	7404.9	57/2$^{(-)}$
8381.7	63/2$^+$	845.1# *6*	100#	7536.6	59/2$^+$
8456.1	63/2$^{(-)}$	389.2# *5*	100# *21*	8066.6	61/2$^{(-)}$
		712.2# *5*	89# *32*	7744.1	59/2$^{(-)}$
8891.8	65/2$^{(-)}$	435.4# *6*	65# *18*	8456.1	63/2$^{(-)}$
		825.1# *5*	100# *35*	8066.6	61/2$^{(-)}$
9331.4	67/2$^{(-)}$	439.1# *8*	50# *17*	8891.8	65/2$^{(-)}$
		875.7 *6*	100 *25*	8456.1	63/2$^{(-)}$
9785.3	69/2$^{(-)}$	454.0# *8*	42# *17*	9331.4	67/2$^{(-)}$
		893.4# *6*	100# *25*	8891.8	65/2$^{(-)}$
10220.8	71/2$^{(-)}$	889.4# *8*	100#	9331.4	67/2$^{(-)}$
171.8+v	J+1	171.8# *5*	100#	v	J
443.2+v	J+2	271.5# *5*	100#	171.8+v	J+1
748.8+v	J+3	305.7# *5*	100# *16*	443.2+v	J+2
		576.9# *7*	29# *10*	171.8+v	J+1
294.0+x?	J+2	294&*d*		x	J≈(25/2$^+$)
627.9+x	J+4	333.9@ *1*	0.64@ *7*	294.0+x?	J+2
1000.7+x	J+6	372.8@ *3*	1.07@ *30*	627.9+x	J+4
1411.9+x	J+8	411.2@ *3*	0.65@ *8*	1000.7+x	J+6
1860.3+x	J+10	448.4@ *1*	0.86@ *7*	1411.9+x	J+8
2345.0+x	J+12	484.7@ *1*	0.96@ *9*	1860.3+x	J+10
2864.8+x	J+14	519.8@ *1*	0.92@ *10*	2345.0+x	J+12
3418.8+x	J+16	554.0@ *1*	1.01@ *9*	2864.8+x	J+14
4006.3+x	J+18	587.5@ *2*	1.00@ *9*	3418.8+x	J+16
4626.6+x	J+20	620.3@ *3*	1.06@ *10*	4006.3+x	J+18
5278.8+x	J+22	652.2@ *3*	1.05@ *9*	4626.6+x	J+20
5962.0+x	J+24	683.2@ *2*	0.70@ *7*	5278.8+x	J+22
6676.2+x	J+26	714.2@ *3*	0.62@ *8*	5962.0+x	J+24
7419.4+x	J+28	743.2@ *8*	0.41@ *7*	6676.2+x	J+26
8192.2+x	J+30	772.8@ *4*	0.34@ *4*	7419.4+x	J+28
8994.4+x	J+32	802.2@ *9*	0.32@ *4*	8192.2+x	J+30
9826.3+x?	J+34	832&*d*		8994.4+x	J+32
10687.4+x?	J+36	861&*d*		9826.3+x?	J+34
11574.4+x?	J+38	887&*d*		10687.4+x?	J+36
273.9+y	J+2	273.9@ *2*	0.49@ *5*	y	J≈(23/2$^+$)
588.1+y	J+4	314.2@ *1*	0.64@ *5*	273.9+y	J+2
941.6+y	J+6	353.5@ *1*	0.88@ *5*	588.1+y	J+4
1333.8+y	J+8	392.2@ *1*	0.92@ *5*	941.6+y	J+6
1763.7+y	J+10	429.9@ *1*	1.00@ *6*	1333.8+y	J+8
2230.6+y	J+12	466.9@ *1*	0.94@ *5*	1763.7+y	J+10
2733.4+y	J+14	502.8@ *1*	1.02@ *5*	2230.6+y	J+12
3271.0+y	J+16	537.6@ *1*	1.05@ *6*	2733.4+y	J+14
3842.3+y	J+18	571.3@ *1*	0.87@ *6*	3271.0+y	J+16
4446.5+y	J+20	604.2@ *1*	1.04@ *7*	3842.3+y	J+18
5082.7+y	J+22	636.2@ *4*	1.16@ *8*	4446.5+y	J+20
5750.8+y	J+24	668.1@ *1*	1.08@ *7*	5082.7+y	J+22
6448.9+y	J+26	698.1@ *2*	0.96@ *7*	5750.8+y	J+24
7177.2+y	J+28	728.3@ *2*	0.69@ *5*	6448.9+y	J+26
7935.0+y	J+30	757.8@ *2*	0.71@ *5*	7177.2+y	J+28
8722.2+y	J+32	787.2@ *3*	0.54@ *5*	7935.0+y	J+30
9538.0+y	J+34	815.8@ *9*	0.38@ *4*	8722.2+y	J+32
10383.0+y	J+36	845.0@ *9*	0.16@ *3*	9538.0+y	J+34
11257.0+y?	J+38	874&*d*		10383.0+y	J+36
244.0+z?	J+2	244&*d*		z	J≈(21/2$^-$)
528.5+z	J+4	284.5@ *1*	0.76@ *5*	244.0+z?	J+2
853.5+z	J+6	325.0@ *1*	0.92@ *6*	528.5+z	J+4
1218.9+z	J+8	365.4@ *1*	0.99@ *6*	853.5+z	J+6
1624.2+z	J+10	405.3@ *1*	0.93@ *6*	1218.9+z	J+8
2069.2+z	J+12	445.0@ *1*	0.97@ *6*	1624.2+z	J+10
2553.7+z	J+14	484.5@ *1*	0.99@ *6*	2069.2+z	J+12
3077.3+z	J+16	523.6@ *1*	1.03@ *6*	2553.7+z	J+14
3639.4+z	J+18	562.1@ *1*	0.82@ *7*	3077.3+z	J+16
4239.4+z	J+20	600.0@ *1*	1.01@ *7*	3639.4+z	J+18

From ENSDF

$^{195}_{80}Hg_{115}$-15

Adopted Levels, Gammas (continued)

γ(^{195}Hg) (continued)

E_i(level)	J_i^π	E_γ	I_γ †	E_f	J_f^π	E_i(level)	J_i^π	E_γ	I_γ †	E_f	J_f^π
4876.6+z	J+22	637.1@ *4*	1.00@ *9*	4239.4+z	J+20	2093.6+u	J+10	494.5@ *1*	1.03@ *16*	1599.1+u	J+8
5549.9+z	J+24	673.4@ *2*	1.07@ *7*	4876.6+z	J+22	2625.0+u	J+12	531.4@ *1*	0.90@ *17*	2093.6+u	J+10
6258.6+z	J+26	708.7@ *4*	1.12@ *9*	5549.9+z	J+24	3192.6+u	J+14	567.6@ *1*	0.97@ *18*	2625.0+u	J+12
7000.8+z	J+28	742.2@ *9*	0.64@ *10*	6258.6+z	J+26	3795.4+u	J+16	602.8@ *1*	1.00@ *18*	3192.6+u	J+14
7776.9+z	J+30	776.1@ *3*	0.54@ *4*	7000.8+z	J+28	4433.5+u	J+18	638.1@ *1*	1.02@ *21*	3795.4+u	J+16
8581.9+z	J+32	805.0@ *4*	0.33@ *5*	7776.9+z	J+30	5105.9+u	J+20	672.4@ *2*	1.12@ *22*	4433.5+u	J+18
9411.0+z	J+34	829.1@ *6*	0.22@ *4*	8581.9+z	J+32	5811.8+u	J+22	705.9@ *2*	1.00@ *26*	5105.9+u	J+20
10259.5+z	J+36	848.5@ *5*	0.17@ *4*	9411.0+z	J+34	6550.9+u	J+24	739.1@ *8*	0.75@ *20*	5811.8+u	J+22
11127.5+z?	J+38	868&*d*		10259.5+z	J+36	7322.5+u	J+26	771.6@ *2*	0.64@ *18*	6550.9+u	J+24
341.9+u	J+2	341.9@ *1*	0.89@ *16*	u	J≈(31/2$^-$)	8125.5+u	J+28	803.4@ *5*	0.40@ *16*	7322.5+u	J+26
722.8+u	J+4	380.9@ *1*	1.06@ *22*	341.9+u	J+2	8962.0+u	J+30	836.1@ *5*	0.38@ *15*	8125.5+u	J+28
1141.9+u	J+6	419.1@ *1*	0.81@ *16*	722.8+u	J+4	9830.0+u	J+32	868.0@ *6*	0.38@ *17*	8962.0+u	J+30
1599.1+u	J+8	457.2@ *1*	1.00@ *16*	1141.9+u	J+6	10729.0+u?	J+34	899*d*		9830.0+u	J+32

† Relative photon branching normalized to Iγ=100 for the strongest γ from each level, unless otherwise stated.
‡ From ^{195}Hg IT decay (41.6 h).
# From (HI,xnγ). ΔIγ are between 5% and 20%.
@ From (HI,xnγ):SD. Intensities are relative values within each band.
& From (HI,xnγ):SD.
a Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.
b Multiply placed with undivided intensity.
c Multiply placed with intensity suitably divided.
d Placement of transition in the level scheme is uncertain.

From ENSDF

$^{195}_{80}Hg_{115}$-16

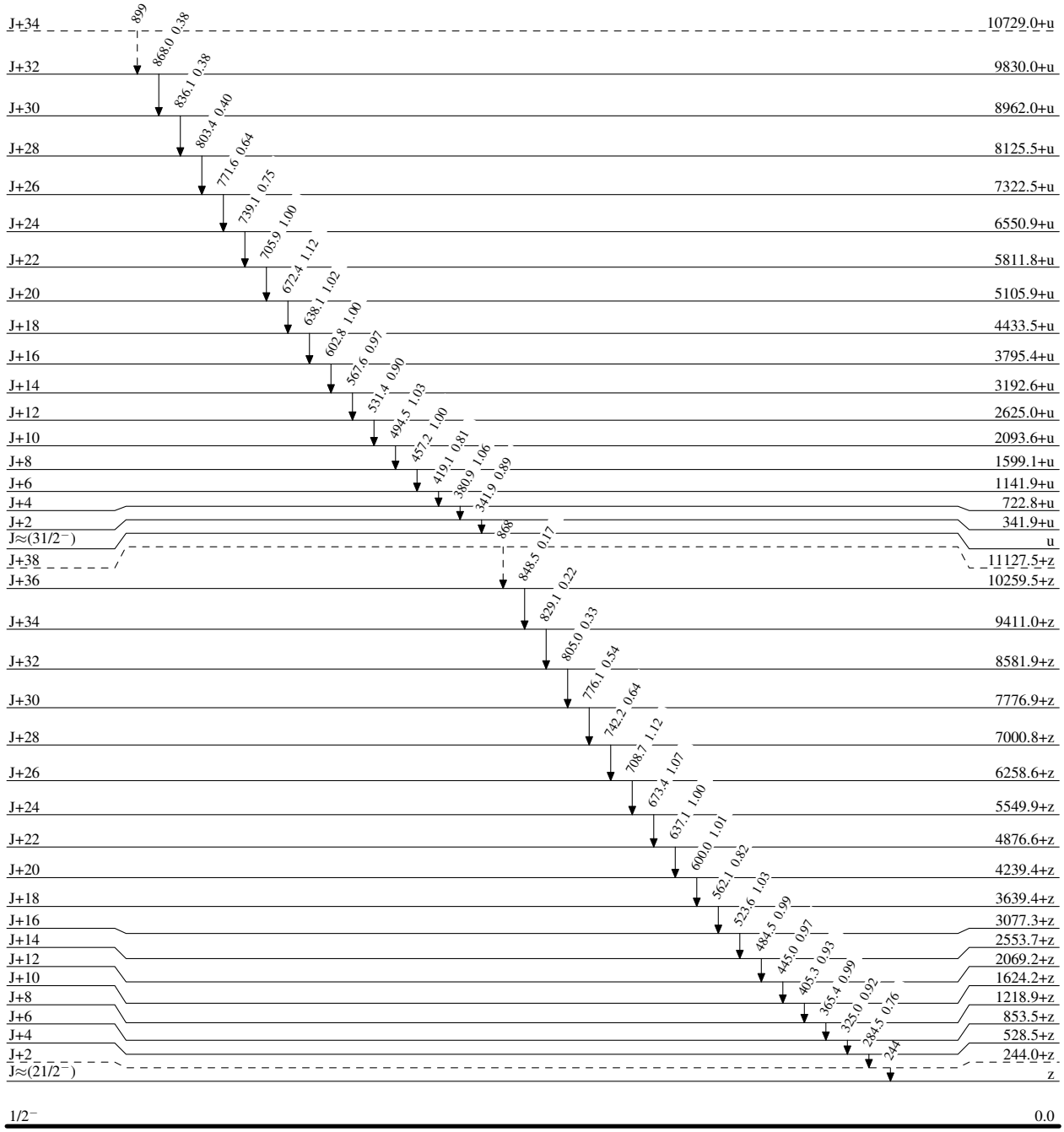
Adopted Levels, Gammas

Legend

Level Scheme

Intensities: Relative photon branching from each level

- - - - - - ► γ Decay (Uncertain)



$^{195}_{80}Hg_{115}$

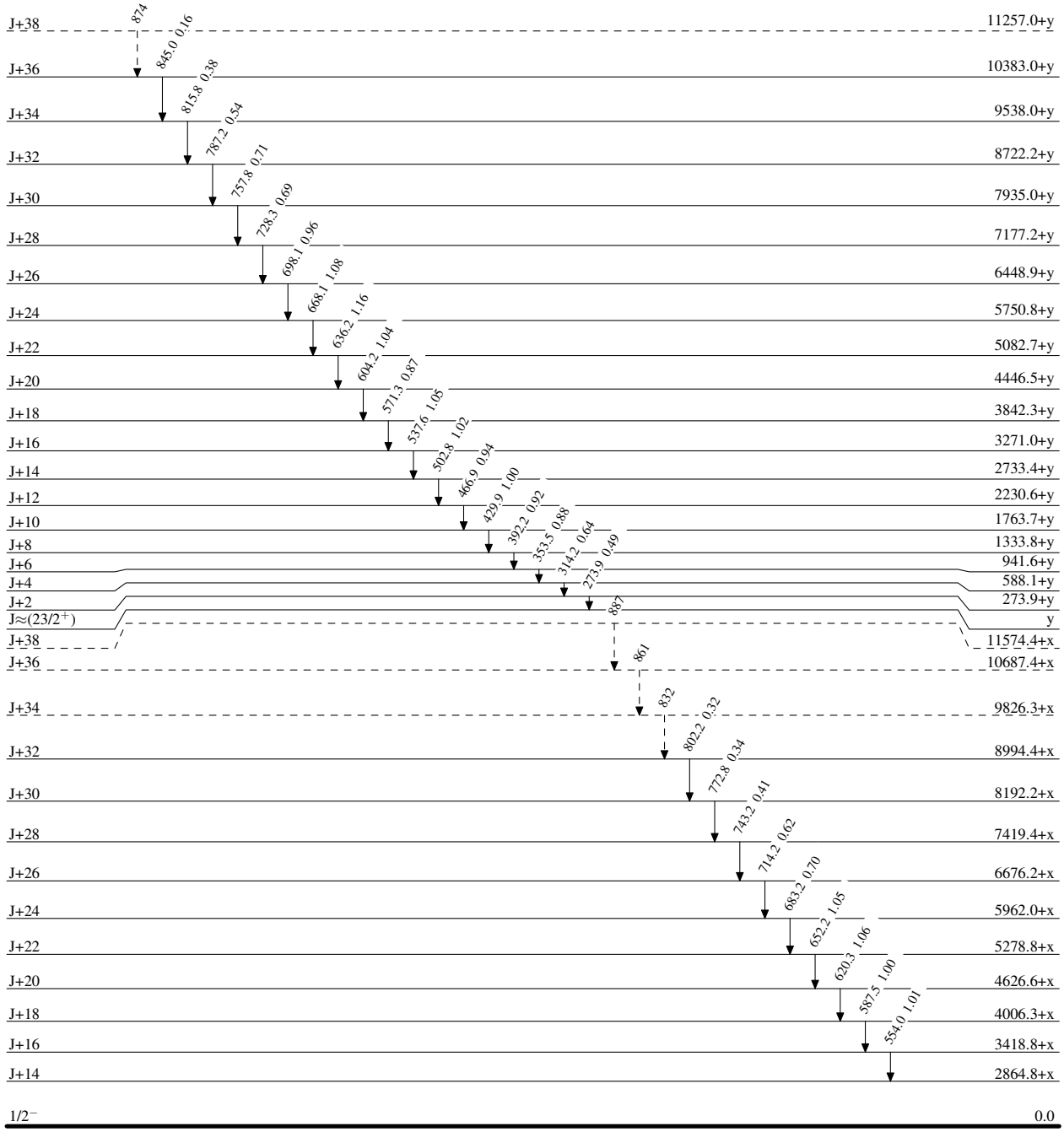
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level

γ Decay (Uncertain)



$^{195}_{80}Hg_{115}$

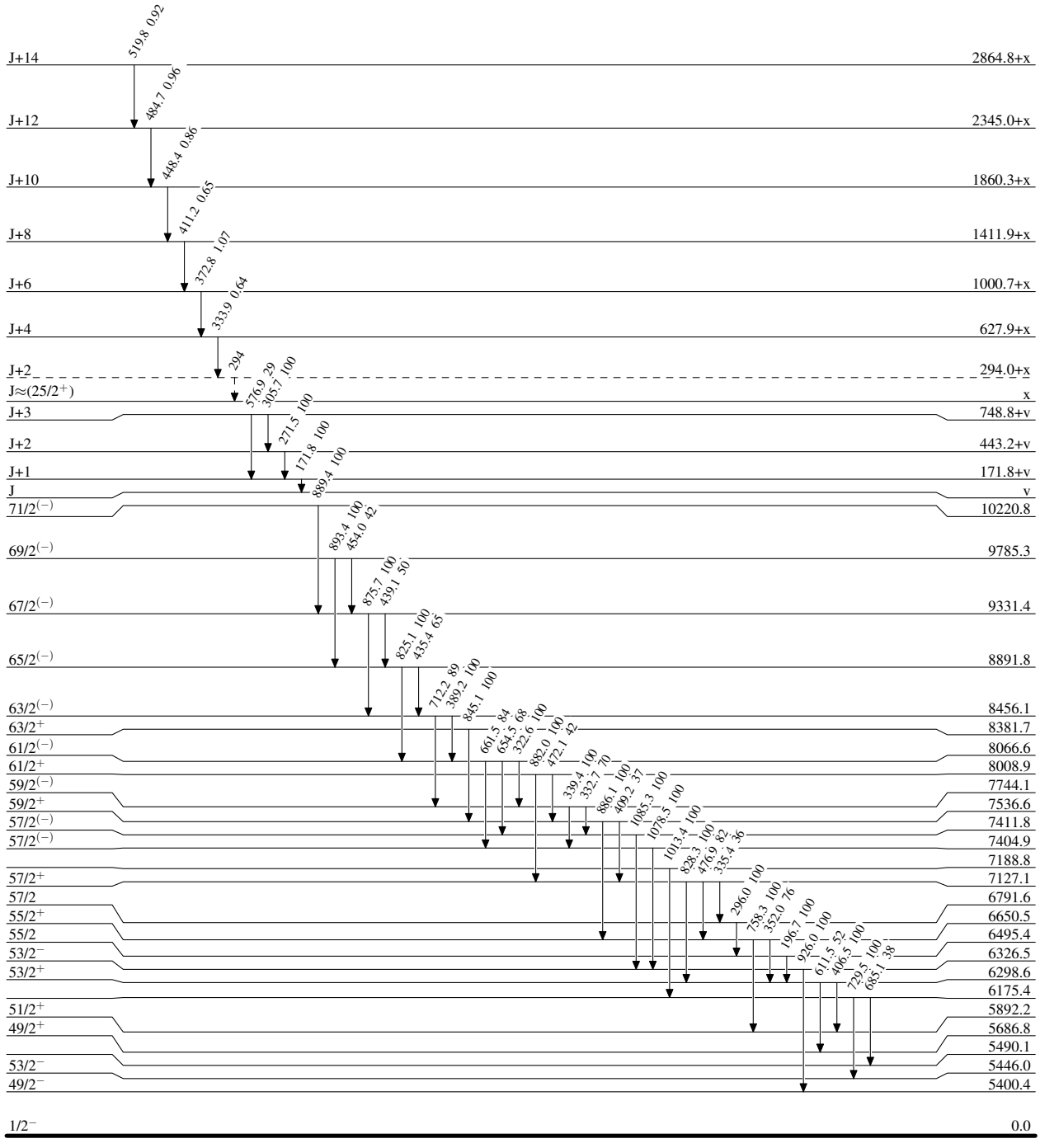
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level

γ Decay (Uncertain)



$^{195}_{80}Hg_{115}$

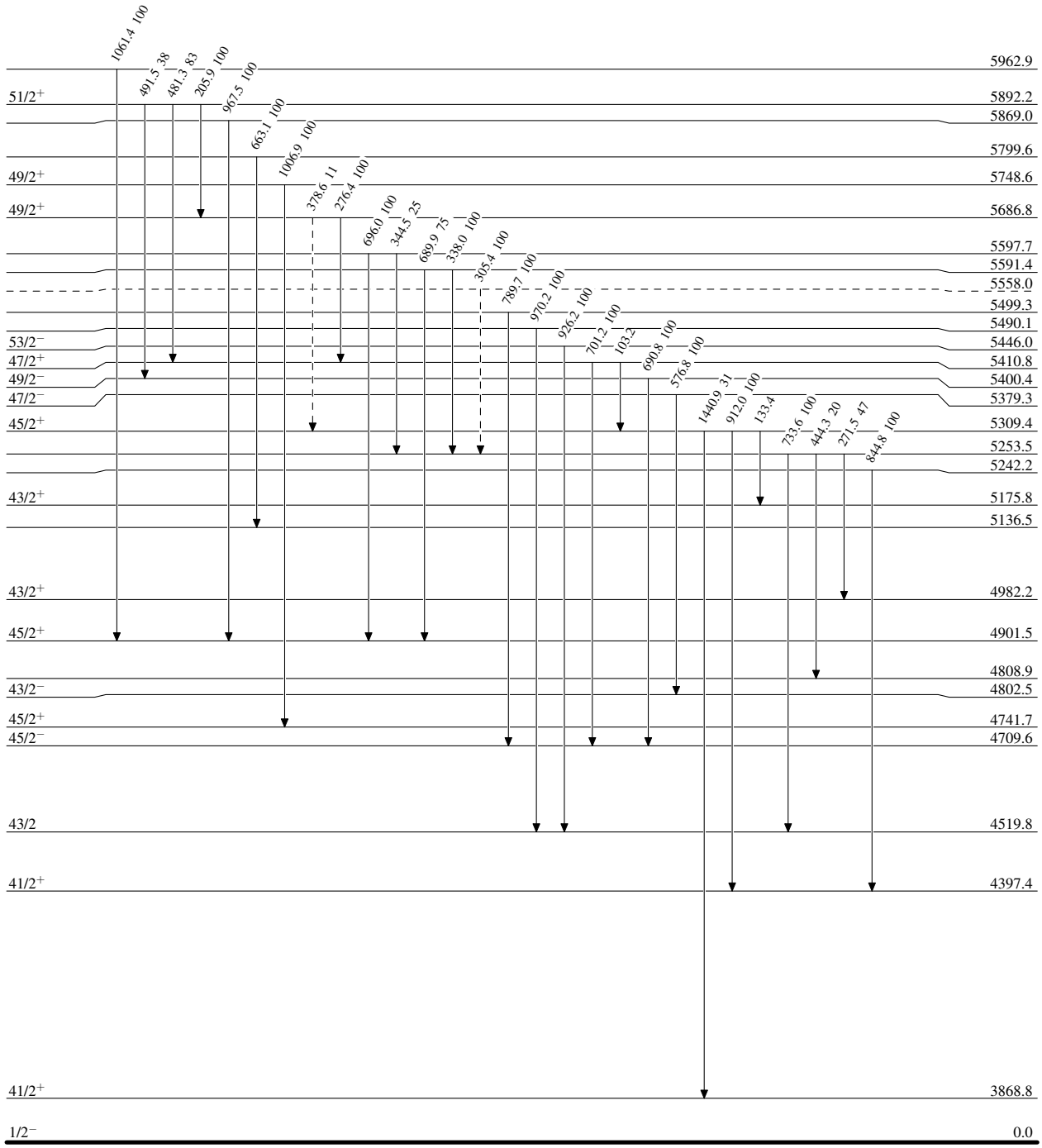
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level

γ Decay (Uncertain)

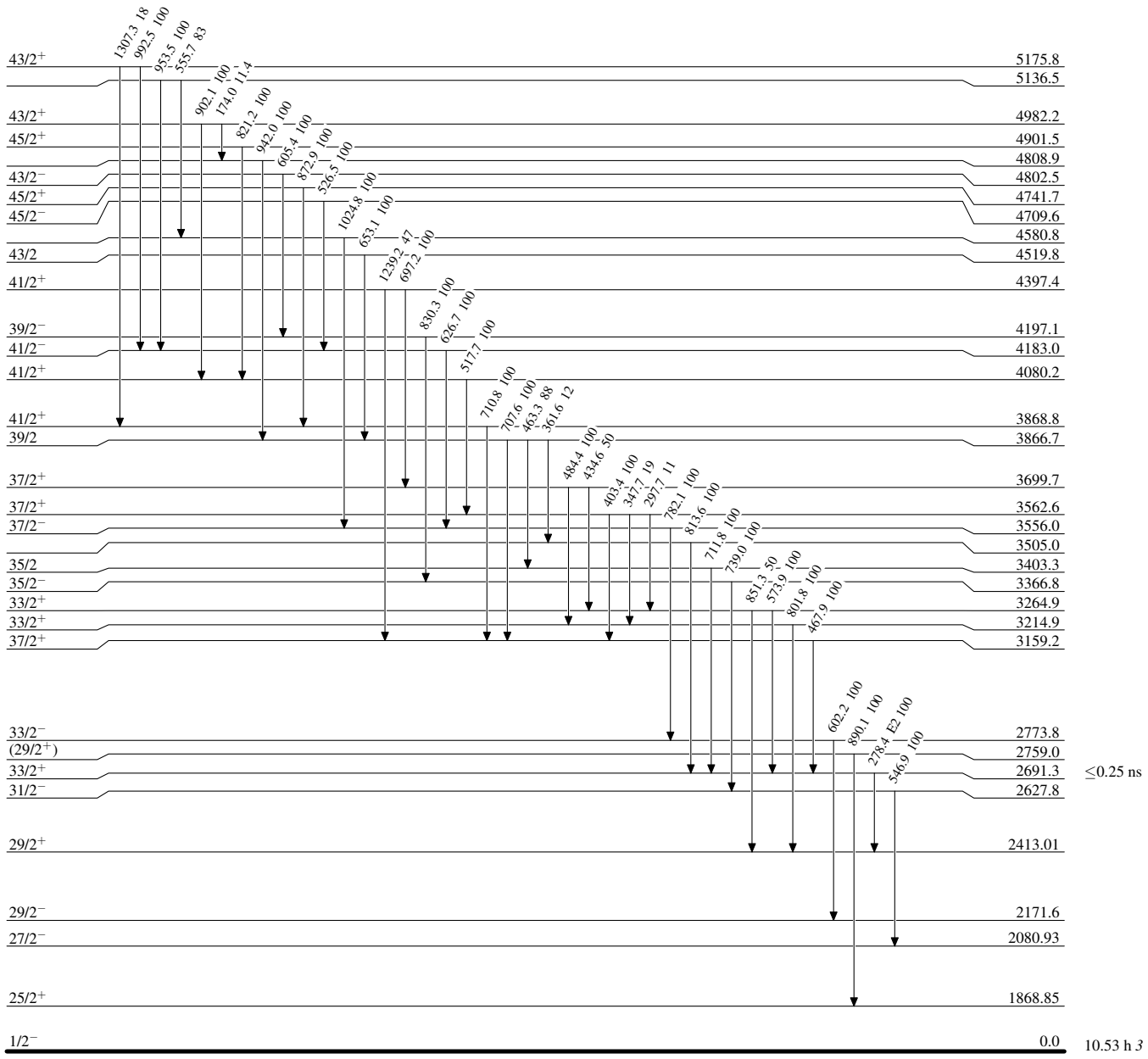


$^{195}_{80}Hg_{115}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level



$^{195}_{80}Hg_{115}$

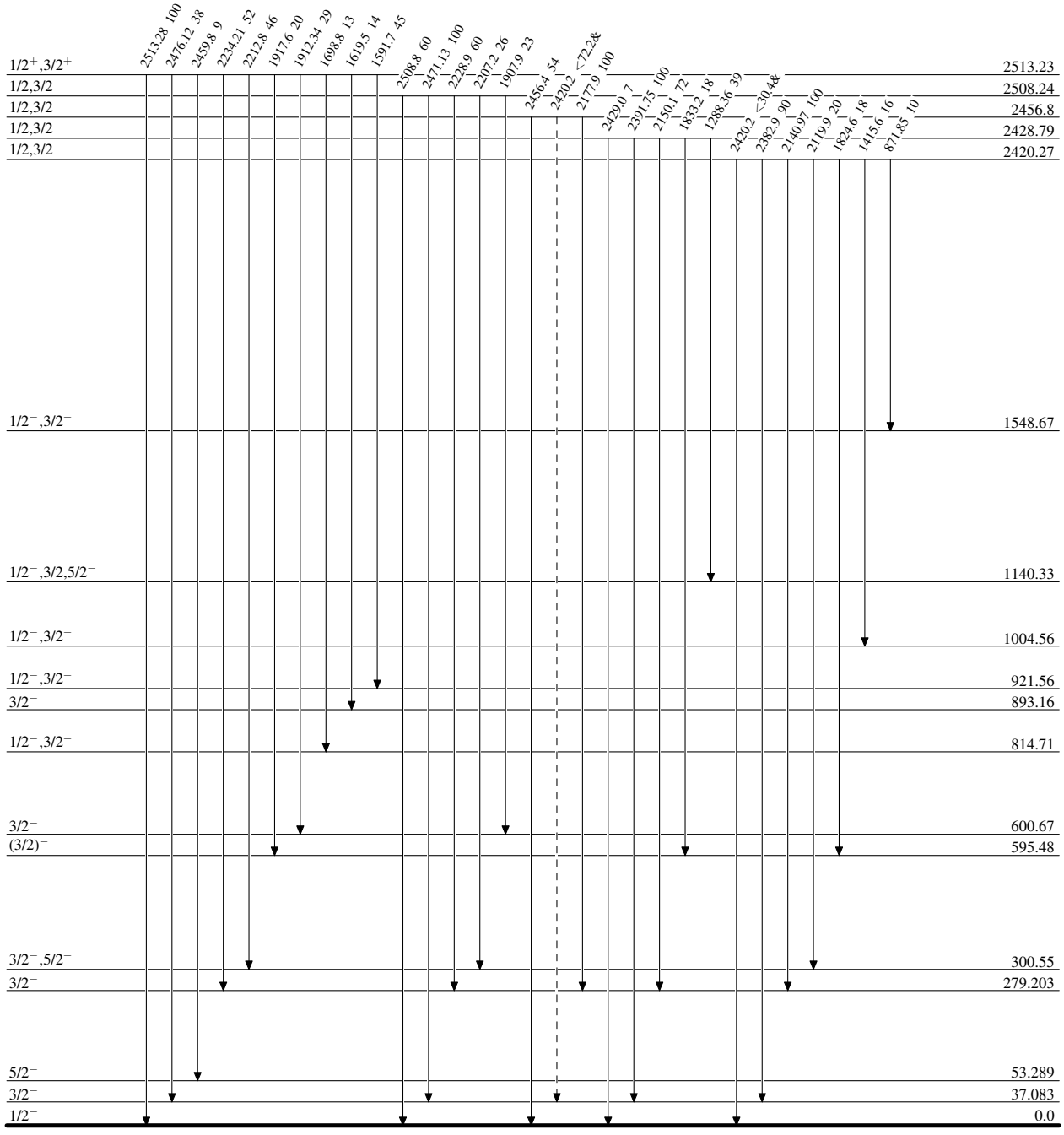
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given

- - - - - - ► γ Decay (Uncertain)

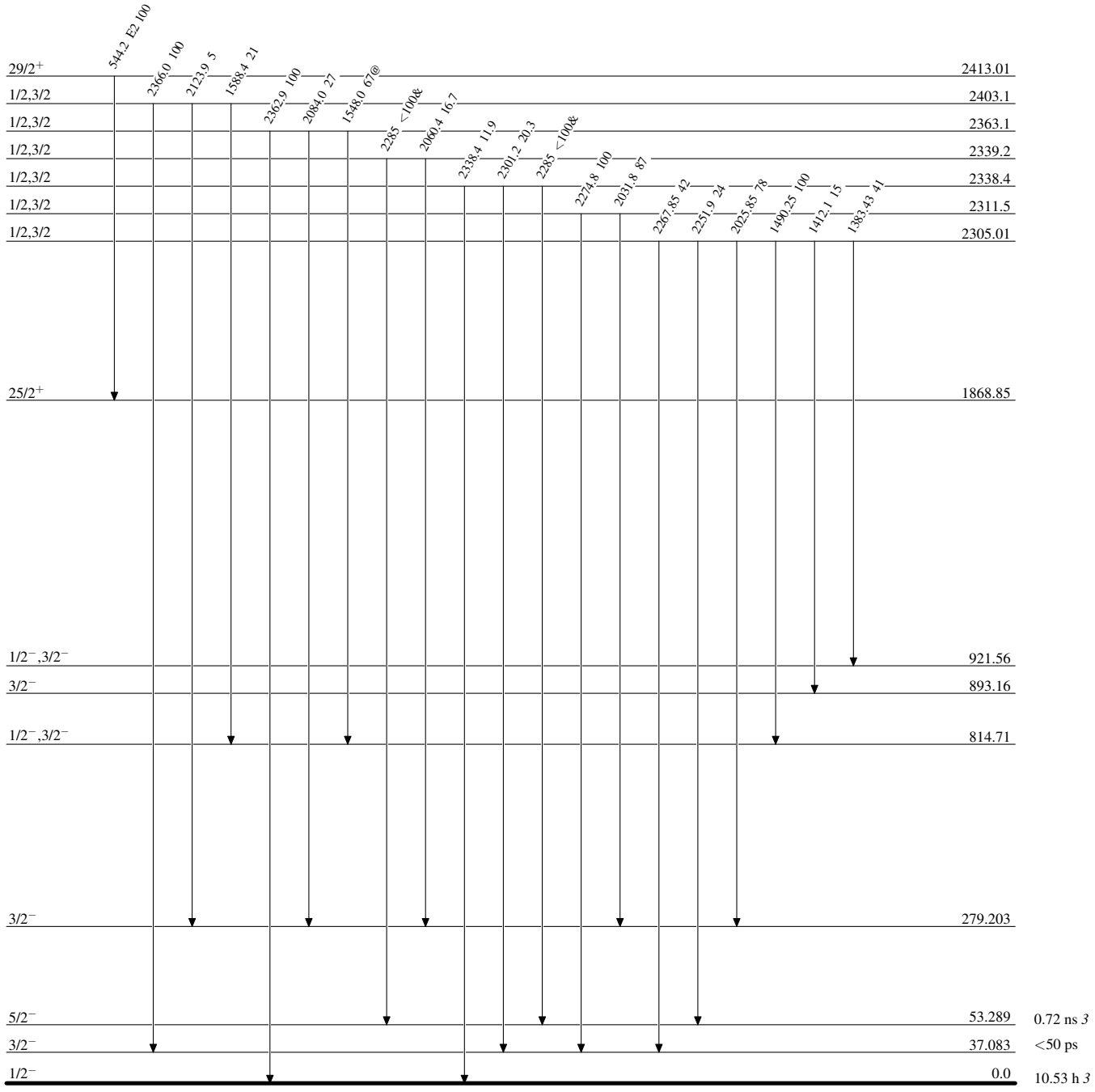


$^{195}_{80}Hg_{115}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided



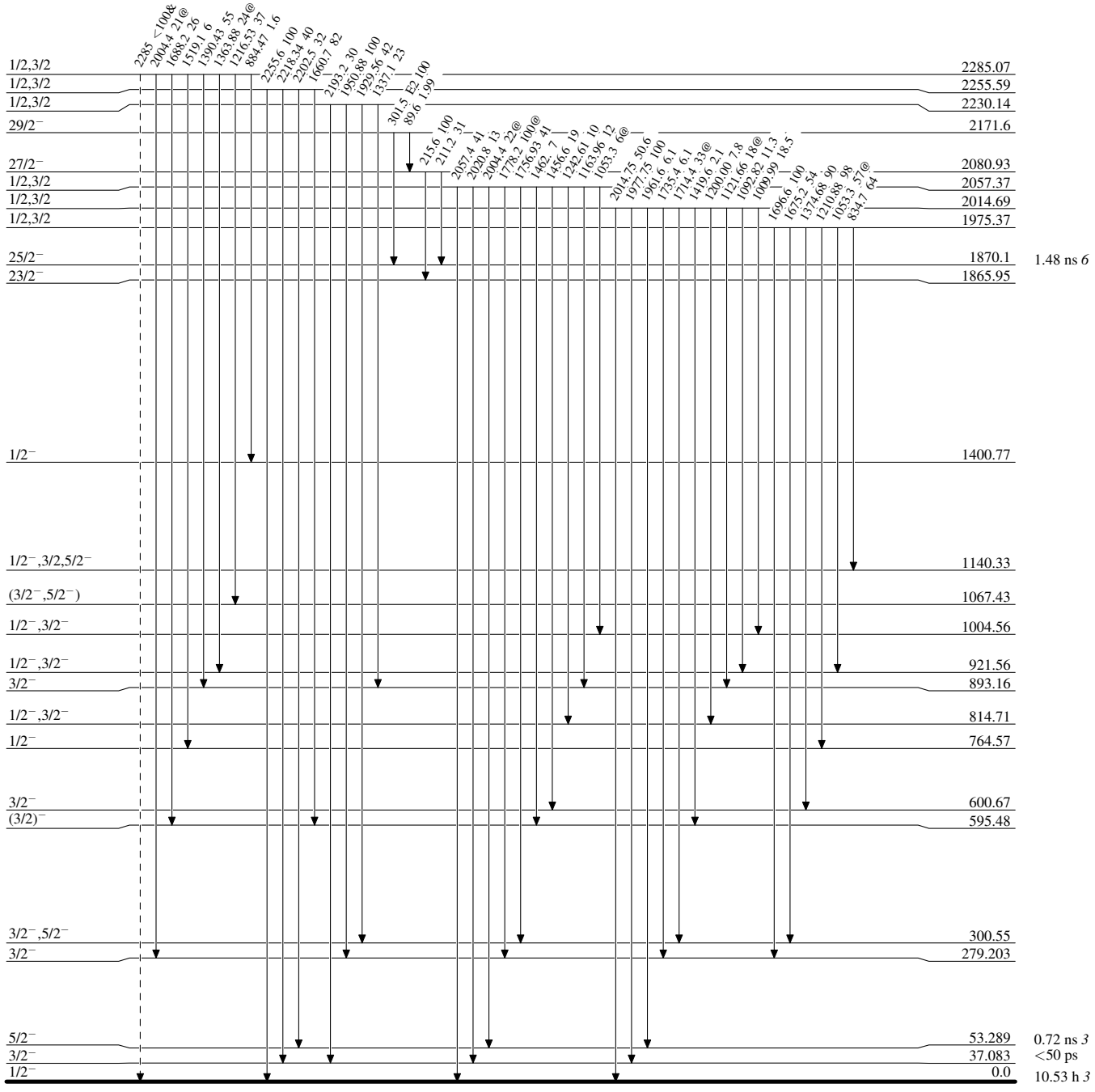
$^{195}_{80}Hg_{115}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided

Legend
- - - - - - ► γ Decay (Uncertain)

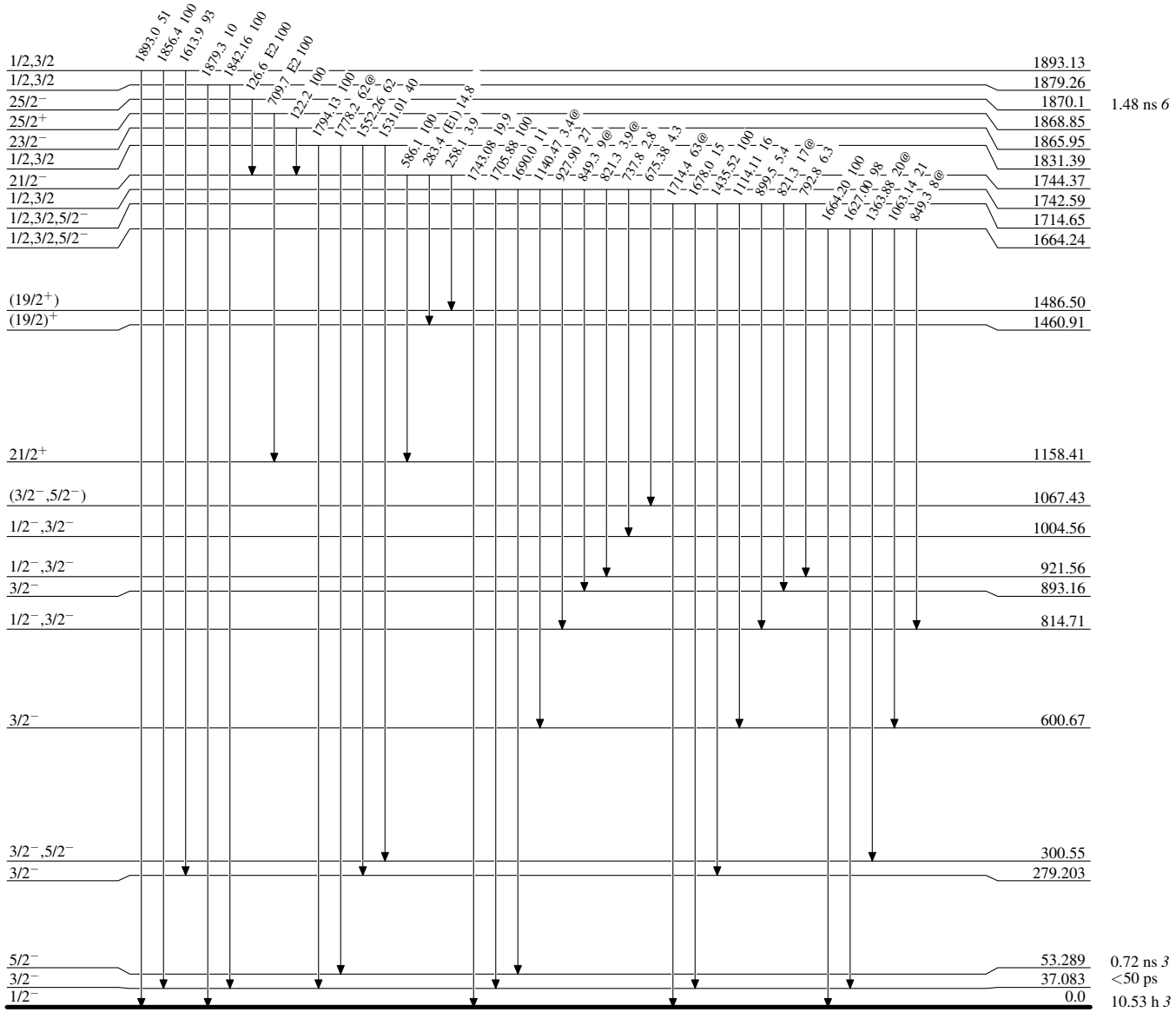


$^{195}_{80}Hg_{115}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided

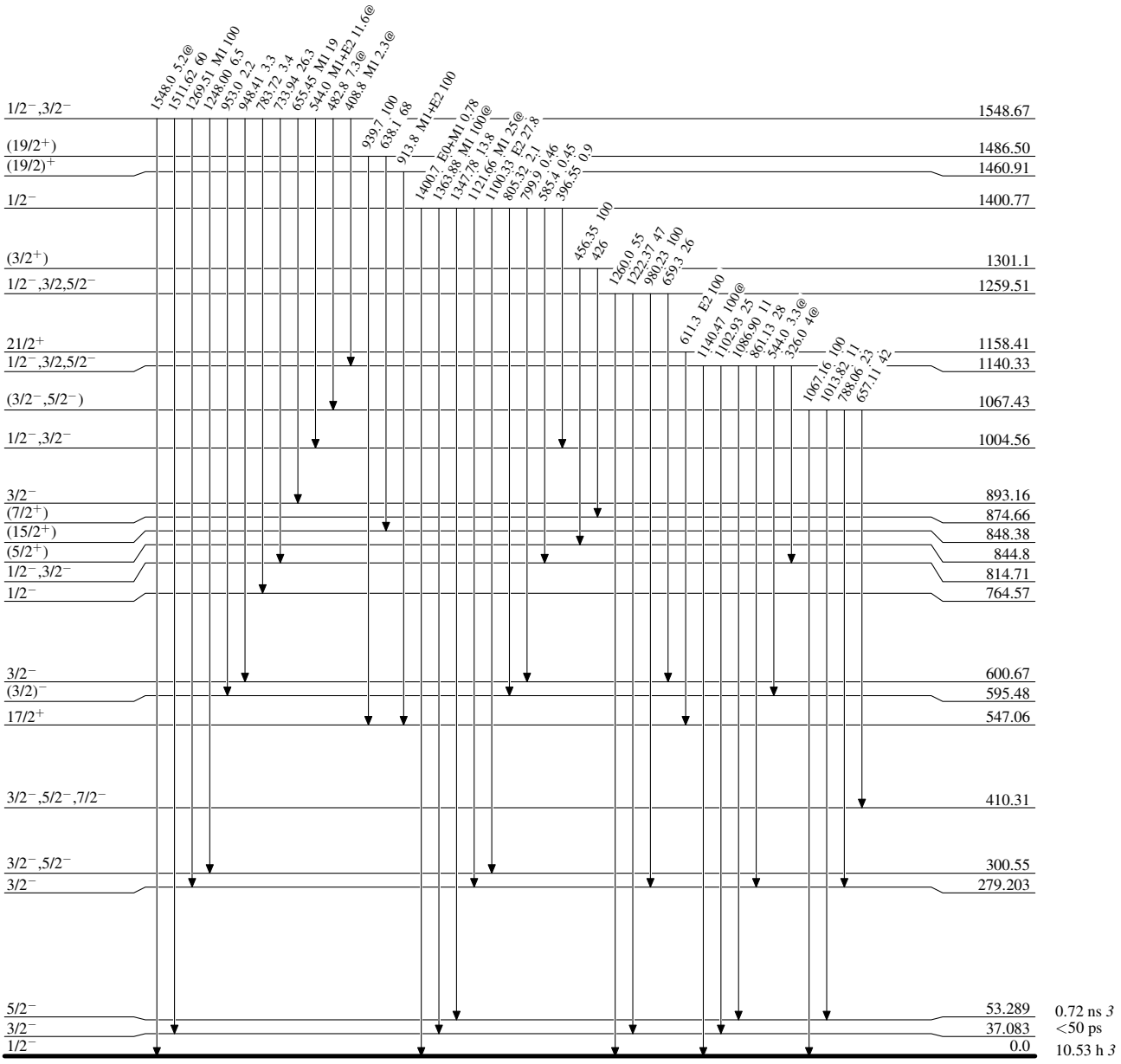


$^{195}_{80}Hg_{115}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided



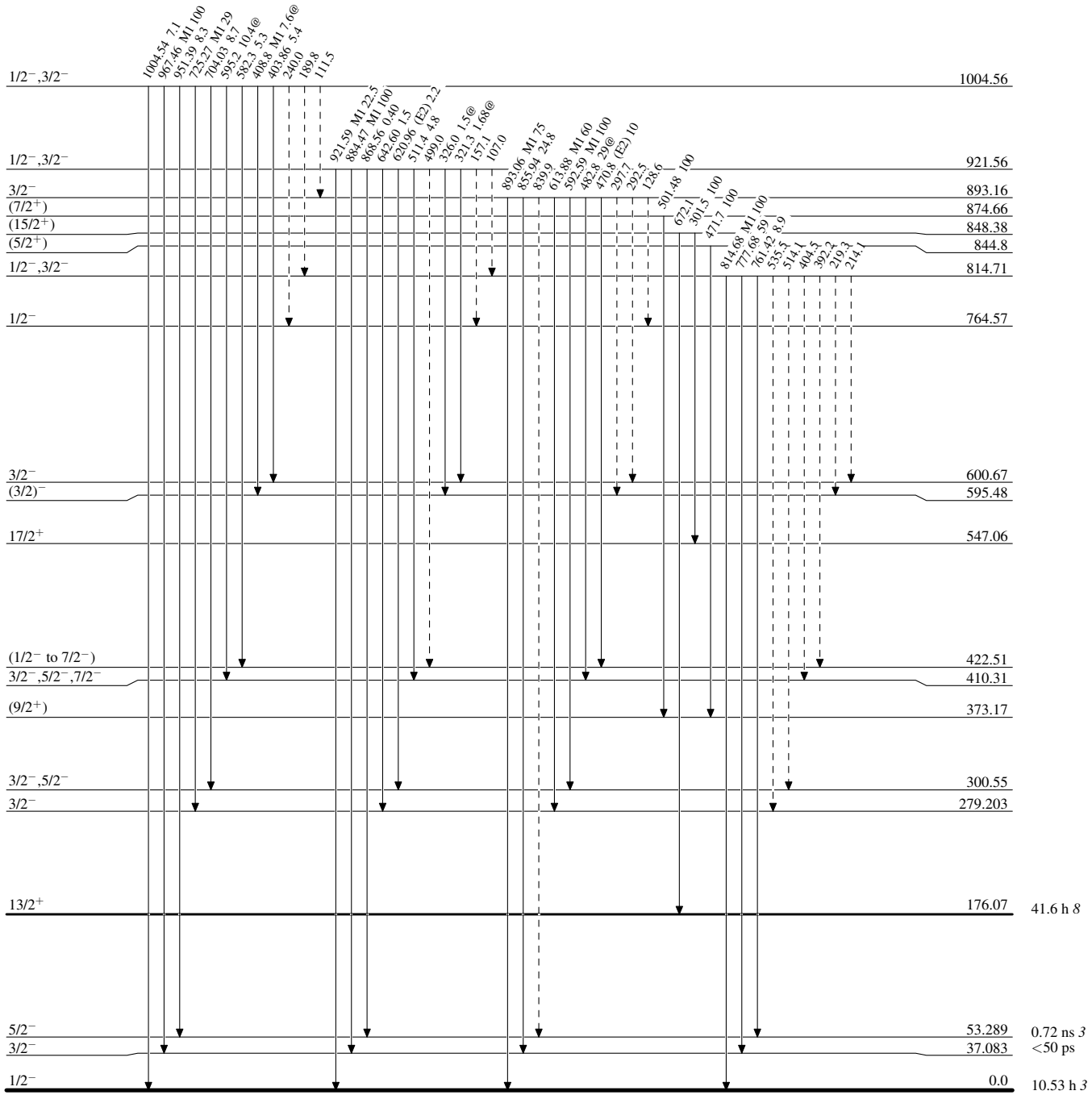
$^{195}_{80}Hg_{115}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided

Legend: ------► γ Decay (Uncertain)



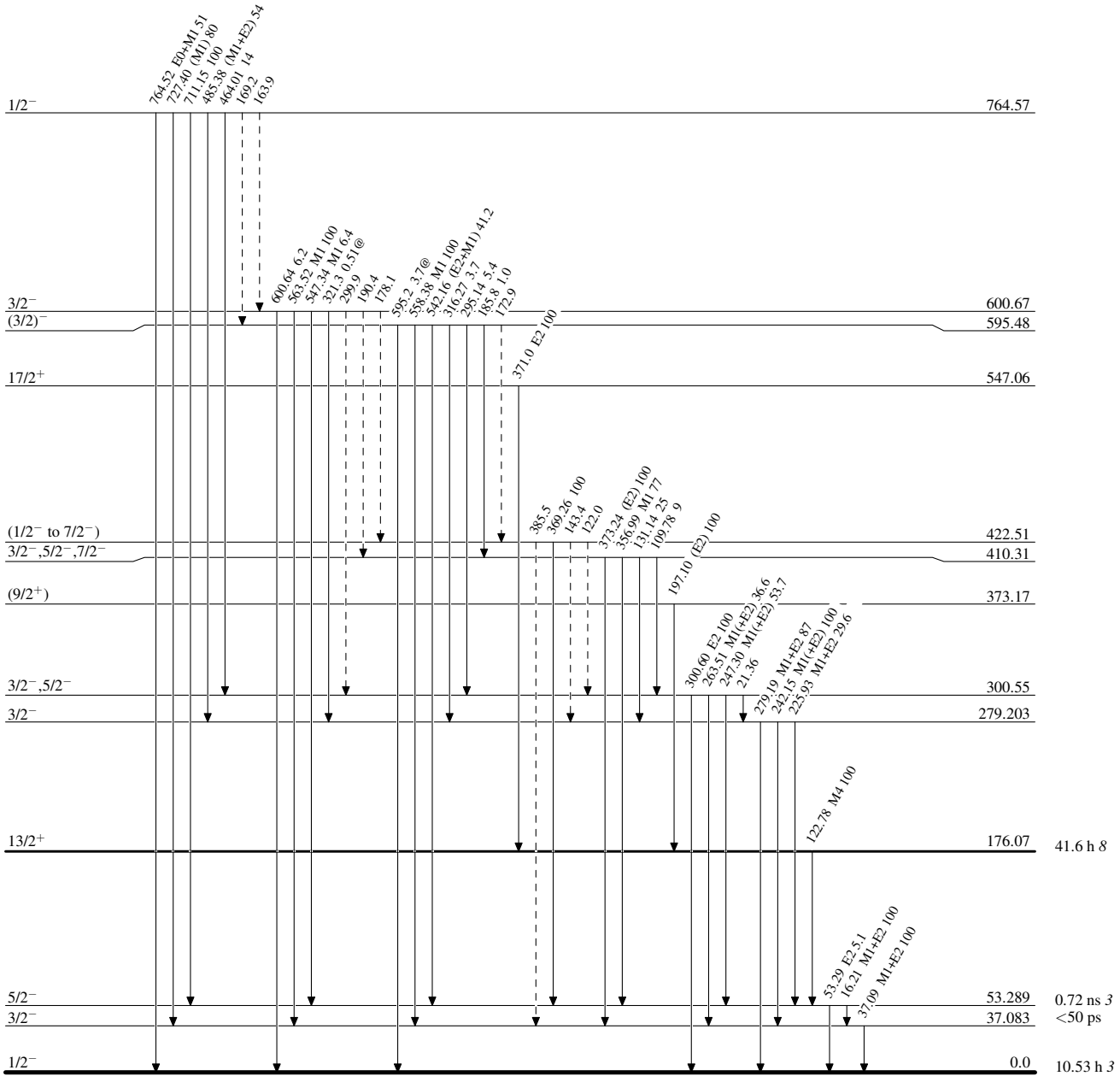
$^{195}_{80}Hg_{115}$

Adopted Levels, Gammas

Level Scheme (continued)

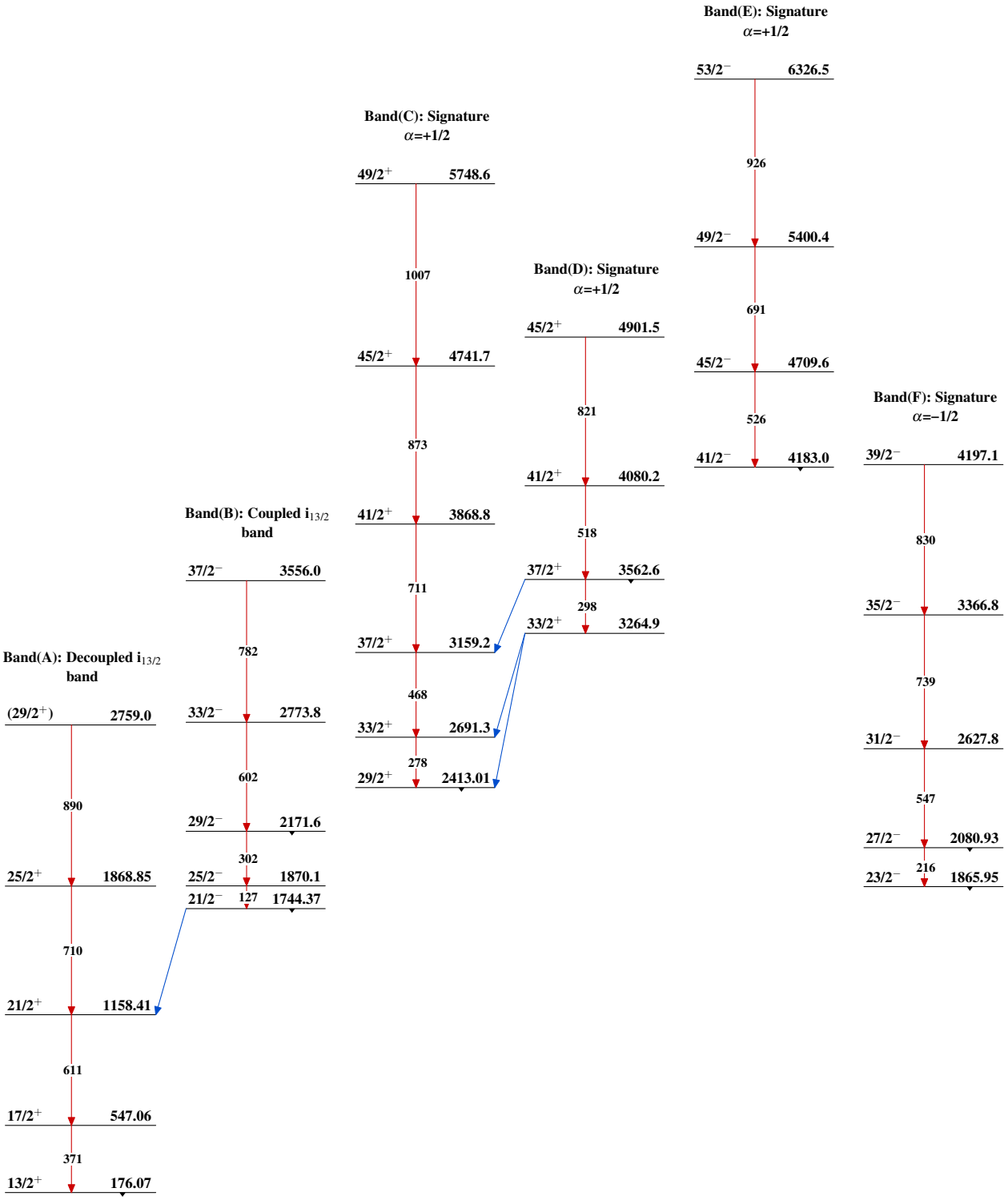
Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided

Legend: ------► γ Decay (Uncertain)

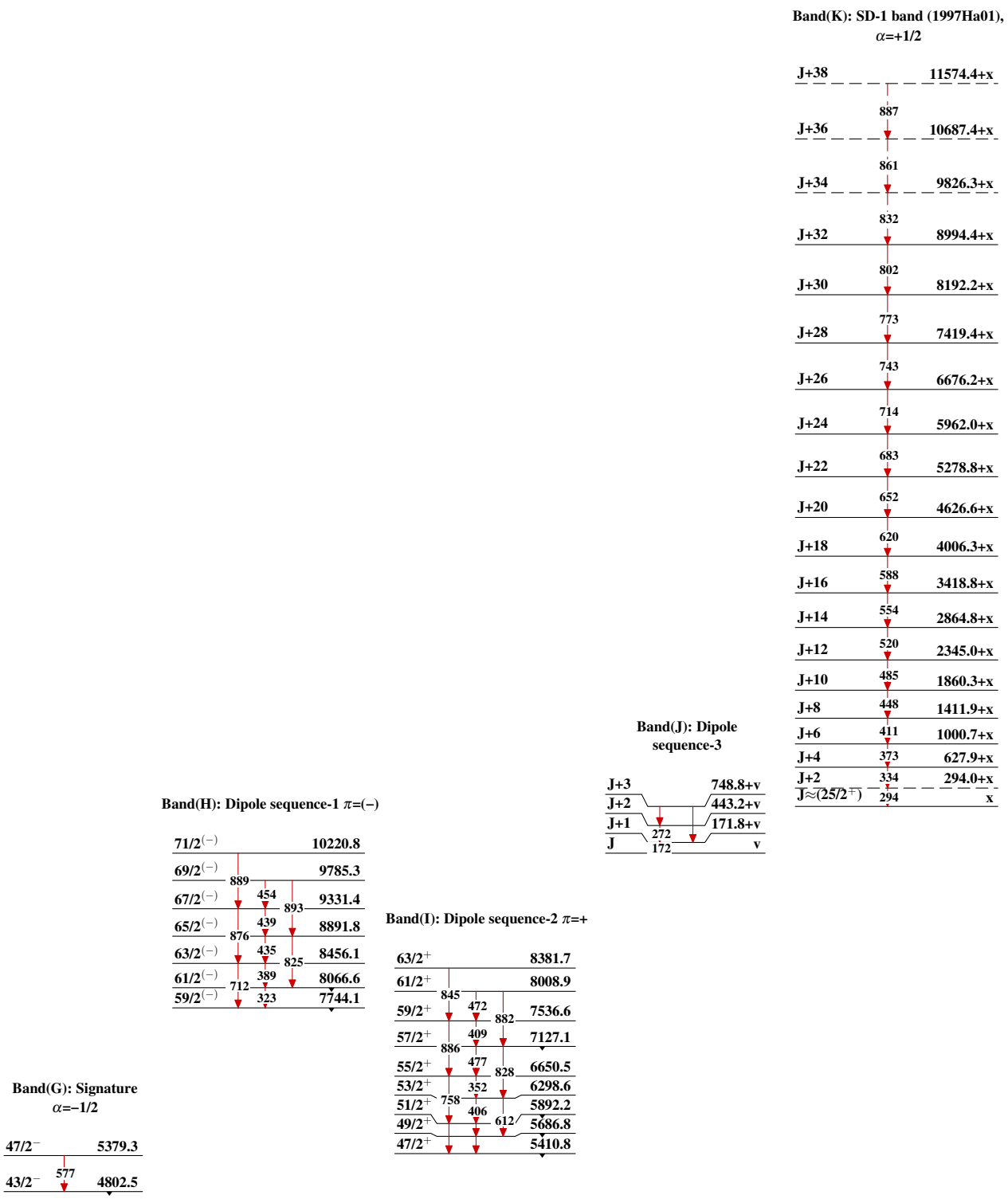


$^{195}_{80}Hg_{115}$

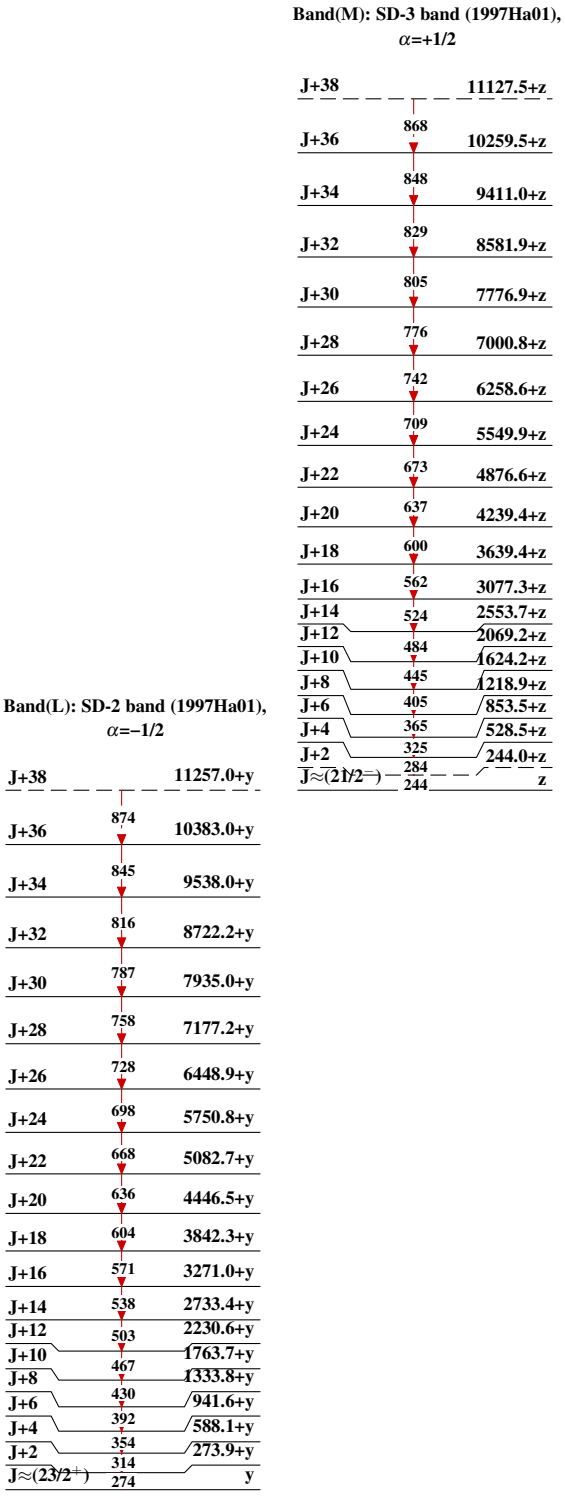
Adopted Levels, Gammas



Adopted Levels, Gammas (continued)

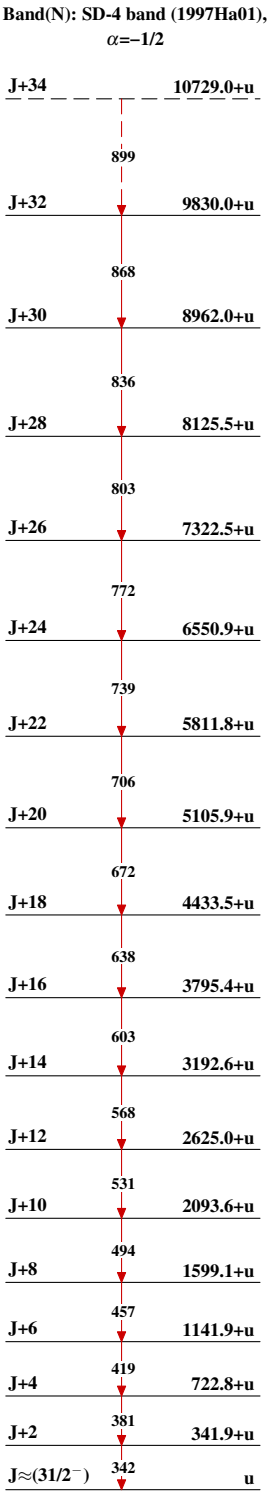


Adopted Levels, Gammas (continued)



$^{195}_{80}Hg_{115}$

Adopted Levels, Gammas (continued)



$^{195}_{80}Hg_{115}$