Adopted Levels, Gammas

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 108,79 (2007)	15-Oct-2006

Q(β^-)=−1.49×10^3 *3*; S(n)=6662.9 *6*; S(p)=7253.4 *7*; Q(α)=825.0 *10* 2012Wa38

Note: Current evaluation has used the following Q record −1488 28 *6663.9 3* 7253.9 *6* 824.9 *9* 2003Au03.

Nuclear structure calculations:

Particle-core coupling: 1983Gu02, 1979St04.

Supersymmetries: 2004Jo11 (1/2$^-$,3/2$^-$,5/2$^-$ states interpreted below 500 keV), 1984Va36, 1983Su03.

Asymmetric rotor: 1979Wu12 (asymmetric rotor).

Intermediate coupling: 1975Ma05.

Additional information 1.

Schiff moments calculations: 2005Dm02, 2005De51.

RMS charge radius and deformation: 1986Ul02, 1974Pr09.

L1 subshell fluorescent yield: 1985Ma50.

Electric dipole moment: 1987La22. The null result, 0.7×10^{-26} *15* e cm, improves by an order of magnitude the limits on several possible interactions which violate time-reversal symmetry.

2005Os02: electric quadrupole moment measurement of $^{199}Hg^+$ $5d^9 6s^2$ $^2D_{5/2}$ atomic state.

Mass measurement: 2003Ba49.

Other reactions:

^{201}Hg(p,t) E=25 MeV: 1988BeZT: measured $\sigma(\theta)$; DWBA analysis with DWUCK. Observed splitting of L=0 strength. No details available.

For neutron resonances (total of 73 from 23 eV to 12 keV) see ^{198}Hg(n,γ):resonances dataset.

^{199}Hg Levels

Cross Reference (XREF) Flags

A	^{199}Au β^- decay (3.139 d)	F	^{198}Hg(n,γ) E=23.1 eV	K	^{199}Hg(e,e′)
B	^{199}Hg IT decay (42.67 min)	G	^{198}Hg(n,γ) E=89.9 eV	L	^{199}Hg(n,n′γ)
C	Muonic atom	H	^{198}Hg(d,p)	M	Coulomb excitation
D	^{199}Tl ε decay (7.42 h)	I	^{199}Hg(γ,γ):Mossbauer	N	^{200}Hg(p,d)
E	^{198}Pt(α,3nγ)	J	^{199}Hg(γ,γ')	O	^{200}Hg(d,t)

E(level)†	J$^\pi$‡	T$_{1/2}$	XREF	Comments
0.0	1/2$^-$	stable	ABCDEFGHIJKLMNO	μ=+0.5058855 *9* (1989Ra17,1961Ca21) Electric dipole moment (d)<2.1×10^{-28} e cm (2001Ro05). <r^2>$^{1/2}$=5.448 fm *3* (2004An14, evaluation) Others: 1995Ja22, 1993Ja13, 0.7×10^{-26} *15* e cm (1987La22,1989La24). T$_{1/2}$: measured (1990Bu28) lower limits for cluster decay: >2.2×10^{21} y (for ^{24}Ne decay mode), >2.5×10^{21} y (for ^{28}Mg decay mode). Additional information 2. J$^\pi$: spin from optical spectroscopy (1931Sc03) and NMR (1951Pr02); parity from L(d,t)=1. Isotope shifts from K x ray energies (1978Le09); charge parameters (1985Kl09,1983Gu02); charge radius, deformation deduced from isotope shifts (1986Ul02). μ: NMR using optically pumped ions (1961Ca21). Others: optical spectroscopy: 0.547 *2* (1940Mr10), +0.532 (1957Bl10), +0.51 (1961Ag03), +0.454 (1963Sc34), 0.506 *3* (1967Dr09). Others: 1959Pe33, 1960Mc11, 1961Hi16, 1963St15, 1977Ei02. NMR studies: 1996Su17, 1996Ju04, 1994Su30. Compilation: 2005St24.
158.37859 *10*	5/2$^-$	2.45 ns *3*	ABCDEFGHI LMNO	μ=+0.88 *3* (1989Ra17,1977Kr11)

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Adopted Levels, Gammas (continued)

^{199}Hg Levels (continued)

E(level)[†]	Jπ[‡]	$T_{1/2}$	XREF	Comments
				Q=+0.95 *7* (1989Ra17,1979Ha08) Jπ: E2 γ to 1/2⁻, L(d,t)=L(p,d)=3. $T_{1/2}$: weighted average of 2.47 ns *5* (1975Ed01), 2.49 ns *3* (1971Si20), 2.38 ns *7* (1967Ba27), 2.37 ns *7* (1966Ra28), 2.42 ns *15* (1963Li08), 2.32 ns *8* (1961Gr29,1962Ba37), 2.53 ns *15* (1961Re12), 2.35 ns *20* (1952Be26). See datasets: ^{199}Au β^- decay, ^{199}Hg IT decay and ^{199}Tl ε decay. μ: TDPAC (1977Kr11). Others: +0.91 *9* (IPAC,1977Kr11), +0.60 *15* (transient-field technique,1986Ko02), 1961Gr29, 1956Po14. Compilation: 2005St24. Q: Muonic x rays (1979Ha08). Others: 0.70 *9* (TDPAC, 1973Ha61), +0.85 *12* (muonic x rays,1983Gu02), +0.8 *4* (Mossbauer effect,1985La21,1979Wu12). Compilation: 2005St24. Isomer shift (1985La21,1983Gu02).
208.20494 *10*	3/2⁻	69 ps *3*	A CD FGHI LMNO	μ=−0.56 *9* (1990Ba40) Q=+0.50 *12* (1989Ra17,1983Gu02) Jπ: M1+E2 γ to 1/2⁻; L(d,t)=1. $T_{1/2}$: from ^{199}Au β^- decay. Other: 70 ps *5* from Coul ex, 60 ps 9 from (γ,γ). μ: transient-field technique (1990Ba40). Others: −0.29 *15* (transient-field,1986Ko02,1989Ra17), −0.47 *8* (IMPAC,1986Ko02), 1974Do01, 1973Ka17. Compilation: 2005St24. Q: muonic x rays (1983Gu02). other: +0.62 *15* (1979Ha08). Compilation: 2005St24.
403.51 *3*	3/2⁻	5.8 ps *12*	D FGH MNO	Jπ: M1+E2 γ to 1/2⁻; L(d,t)=1. $T_{1/2}$: from B(E2)↑=0.113 *13* in Coul ex.
413.84 *5*	5/2⁻	115 ps *23*	B D FG MNO	μ=+0.80 *9* (1990Ba40) Jπ: E2 γ to 1/2⁻; L(p,d)=(3); γγ(θ) in Coul ex. $T_{1/2}$: from B(E2)↑=0.097 *16* in Coul ex. μ: transient-field technique. Other: −0.70 *25* (1986Ko02,1989Ra17). Compilation: 2005St24.
455.462 *17*	1/2⁻,3/2⁻		D FG L NO	XREF: L(?). Jπ: M1 γ's to 1/2⁻ and 3/2⁻.
492.297 *18*	3/2⁻		D FG NO	Jπ: M1+E2 γ to 5/2⁻; M1 γ to 1/2⁻.
532.48[&] *10*	13/2⁺	42.67 min *9*	B E NO	%IT=100 μ=−1.014703 *3* (1989Ra17,1973Re04) Q=+1.2 *5* (1989Ra17,1986Ul02) Jπ: M4+E5 γ to 5/2⁻; L(d,t)=6; μ consistent with configuration=$\nu i_{13/2}$. $T_{1/2}$: timing of 374γ and 158γ from isomer produced in (γ,γ′) (2001Li17). Others: 42.6 min *2* (1969Kl06), 39.7 min *6* (1968Bo28), 43.0 min *5* (1965Sm02), 42 min *1* (1955Bo29), 44.4 min *5* (1948Mo33). Weighted average of all the values is: 42.66 min *22*. %IT: %ε<0.1% from log *ft* syst. Isomer shift (1979St04,1985Kl09). μ,Q: NMR of nuclei polarized by optical pumping with β asymmetry detection. Other: 1972Co10. Compilation: 2005St24.
638 *3*			L NO	XREF: L(?).
667 *3*	5/2⁻,7/2⁻		H nO	XREF: n(670). Jπ: L(d,t)=3.
667.4 *9*	1/2,3/2[#]		FG n	XREF: n(670).
695? *3*			FG	E(level): level in (n,γ) is possibly different from that in particle-transfer reactions since 5/2,7/2⁻ level is not expected to

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Adopted Levels, Gammas (continued)

^{199}Hg Levels (continued)

E(level)[†]	Jπ[‡]	XREF	Comments
			Be populated in (n,γ).
699 *3*	5/2⁻,7/2⁻	H NO	Jπ: L(d,t)=3.
711.4? *25*		FG	
736 *5*	1/2,3/2,5/2+[#]	FG	XREF: F(?).
750.40 *3*	1/2⁻,3/2⁻	D FG NO	Jπ: L(d,t)=1.
759 *3*		H	
822 *4*		O	
823.88[&] *23*	(17/2+)[@]	E	
969 *4*	7/2⁻,5/2⁻	l NO	Jπ: L(d,t)=3.
1004.1? *7*		FG J l	XREF: J(1000).
1036 *3*	1/2,3/2,5/2+[#]	FG	XREF: G(?).
1104 *4*		O	
1221.17 *4*	1/2(−),3/2(−)	D FGH NO	XREF: G(?). Jπ: γ's to 1/2⁻ and 5/2⁻; log *ft*=6.1 from 1/2+; L(d,t)=L(d,p)=(3,1). E(level): probable doublet in (d,t) and (d,p).
1267.7 *8*	1/2,3/2,5/2+[#]	FG L	
1274.1?[b] *4*	(15/2+)[@]	E	
1317.7 *15*	1/2,3/2,5/2+[#]	FG	XREF: G(?).
1327.8 *9*	1/2⁻,3/2⁻	FGH J O	XREF: J(1340). Jπ: L(d,t)=1.
1357.2[&] *3*	(21/2+)[@]	E	
1358.9 *9*	1/2,3/2[#]	FG J O	XREF: G(?)J(1380).
1439.5 *16*	1/2⁻,3/2⁻	FG J O	XREF: J(1420). Jπ: L(d,t)=1.
1456 *6*	(7/2⁻,5/2⁻)	H O	Jπ: L(d,t)=L(d,p)=(3).
1517.8 *25*	1/2,3/2[#]	FG JK	XREF: F(?)J(1530)K(1490).
1561? *6*		O	
1572.8 *12*	1/2,3/2[#]	FG	
1595.3 *5*	1/2,3/2[#]	FG k O	XREF: G(?)O(?).
1614.4? *9*		FG k	
1653.2 *8*	1/2(−),3/2(−)[#]	FGH O	Jπ: L(d,t)=L(d,p)=(1).
1686 *7*		O	
1731.8 *7*	1/2,3/2[#]	FG J	XREF: J(1700).
1744.2 *5*	1/2,3/2[#]	FG	XREF: G(?).
1769.3[b] *3*	(19/2+)[@]	E	
1780.9 *5*	1/2,3/2[#]	FG O	
1800.1 *12*	1/2,3/2,5/2+[#]	FG	XREF: G(?).
1822.2 *16*	1/2,3/2[#]	FG l	
1853 *7*		l O	
1927.3? *15*		FG	
1953 *8*		O	
1971.4 *5*	1/2,3/2[#]	FG	
1988.3 *20*	1/2,3/2[#]	FG	
2038 *8*		O	
2067 *3*	1/2,3/2,5/2+[#]	FG	XREF: G(?).
2094.0 *12*	1/2,3/2[#]	FG O	XREF: G(?)O(?).
2107.3[&] *4*	(25/2+)[@]	E	
2144.3 *16*	1/2,3/2,5/2+[#]	FG	
2175 *9*		O	
2218 *9*		O	

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Adopted Levels, Gammas (continued)

^{199}Hg Levels (continued)

E(level)[†]	Jπ[‡]	XREF		Comments
2228.4 *11*	1/2,3/2[#]	FG	0	XREF: O(?).
2241 *4*	1/2,3/2[#]	FG		XREF: F(?).
2265 *3*	1/2,3/2[#]	FG		
2279 *9*			0	
2290.6 *10*	1/2,3/2[#]	FG		
2332.0[a] *4*	(21/2$^-$)[@]	E		
2345.3 *12*	1/2,3/2[#]	FG	0	XREF: G(?)O(2360).
2399 *3*	1/2,3/2,5/2,5/2$^+$[#]	FGH	0	XREF: O(2384).
2412 *3*	1/2,3/2,5/2,5/2$^+$[#]	FGH	0	XREF: H(2424)O(?).
2425.6[a] *4*	(23/2$^-$)[@]	E		
2451.4 *15*	1/2,3/2,5/2,5/2$^+$[#]	FG		XREF: F(?).
2462.1 *25*	1/2,3/2[#]	FGH		
2487.8[a] *4*	(25/2$^-$)[@]	E		
2494 *3*	1/2,3/2[#]	FG		
2521? *10*			0	
2629.7[a] *4*	(27/2$^-$)[@]	E		
2765.9[a] *5*	(29/2$^-$)[@]	E		
3068.4[a] *5*	(31/2$^-$)[@]	E		
3133? *13*		H		
3199 *13*		H		
3245 *13*		H		
3273 *13*		H		
3338 *13*		H		
3413 *14*		H		
3431 *14*		H		
3511 *14*		H		
3582 *14*		H		
3604 *14*		H		
3626 *15*		H		
3648 *15*		H		
3930? *16*		H		
3988 *16*		H		
4052 *16*		H		
4098 *16*		H		
4491? *18*		H		
4808? *19*		H		

[†] From least squares adjustment to adopted Eγ's where possible; from Eγ of primary γ's for levels seen in (n,γ) reactions only; and from (d,p), (d,t) or (p,d) for levels seen only in particle reactions.

[‡] Low-lying states are expected to have negative parity based on neutron hole in $3p_{1/2}$, $2f_{5/2}$, $3p_{3/2}$ coupled to 2^+ core vibrations. The lowest high spin states have positive parity based on neutron hole in $1i_{13/2}$.

[#] 1/2,3/2 is from strong population through a primary γ from $1/2^+$ resonance in (n,γ) (negative parity favored from syst of transition strengths), 1/2,3/2,5/2,5/2$^+$ is from weak population from $1/2^+$ resonance.

[@] From proposed rotational band structure in (α,3nγ).

[&] Band(A): Decoupled band built on $\nu i_{13/2}$. Oblate deformation is expected in rotation-alignment model (1974Pr09). Search (by 1978Me11) for the $29/2^+$ member of this band was unsuccessful. For Eγ<1 MeV, Iγ(29/2 to 25/2) is <5. This supports the idea that the g.s. bands in even-even Hg change their character from configuration=$\pi h_{11/2}^{-2}$ for A≤196 to configuration=$\nu i_{13/2}^{-2}$ for A≥198, thus changing the blocking pattern in the neighboring odd-A Hg.

[a] Band(B): $\nu i_{13/2}^{-1}\otimes(5^-,7^-,9^-,..^{198}$Hg core) (?).

[b] Band(C): unfavored band built on $\nu i_{13/2}$.

Adopted Levels, Gammas (continued)

γ(^{199}Hg)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[†]	δ	α[&]	$I_{(\gamma+ce)}$	Comments
158.37859	5/2⁻	158.37851[‡] *10*	100	0.0	1/2⁻	E2[‡]		0.914		B(E2)(W.u.)=17.6 *3* α(K)=0.296; α(L)=0.461; α(M)=0.119; α(N+..)=0.0374
208.20494	3/2⁻	49.82635[‡] *12*	4.13[‡] *11*	158.37859	5/2⁻	M1+E2[‡]	−0.044[‡] *4*	11.7		B(M1)(W.u.)=0.043 *4*; B(E2)(W.u.)=12.5 *25* α(L)=8.92 *4*; α(M)=2.08 *1*
		208.20481[‡] *12*	100.0[‡] *13*	0.0	1/2⁻	M1+E2[‡]	−0.388[‡] *9*	0.937		B(M1)(W.u.)=0.0125 *7*; B(E2)(W.u.)=16.1 *11* α(K)=0.751 *4*; α(L)=0.142; α(M)=0.0334 *2*; α(N+..)=0.0106
403.51	3/2⁻	195.30 *5*	15 *2*	208.20494	3/2⁻	M1		1.23		B(M1)(W.u.)=0.051 *13* α(K)=1.007; α(L)=0.170; α(M)=0.0394; α(N+..)=0.0126
		245.1 *10*	≤2.2	158.37859	5/2⁻	[M1,E2]		0.43 *23*		
		403.50 *4*	100 *5*	0.0	1/2⁻	M1+E2	+0.32 *2*	0.157		B(M1)(W.u.)=0.035 *8*; B(E2)(W.u.)=8.1 *20* α(K)=0.129 *1*; α(L)=0.0219 *2*; α(M)=0.00510 *3*; α(N+..)=0.00162 Mult.,δ: from Coul ex.
413.84	5/2⁻	(10.4 *2*)		403.51	3/2⁻	[M1,E2]			≈5	$I_{(\gamma+ce)}$: from ^{199}Tl ε decay.
		205.6 *1*	5 *2*	208.20494	3/2⁻	[M1,E2]		0.7 *4*		
		255.5 *1*	6 *2*	158.37859	5/2⁻	[M1,E2]		0.38 *20*		
		413.85 *8*	100 *13*	0.0	1/2⁻	E2		0.0437		B(E2)(W.u.)=4.8 *10* α(K)=0.0298; α(L)=0.0105; α(M)=0.00261; α(N+..)=0.00082 Mult.: from γγ(θ) Coul ex.
455.462	1/2⁻,3/2⁻	51.93 *6*	0.19 *6*	403.51	3/2⁻	(M1)		10.1		α(L)=7.74; α(M)=1.80; α(N+..)=0.579
		247.26 *3*	75 *4*	208.20494	3/2⁻	M1		0.637		α(K)=0.523; α(L)=0.0877; α(M)=0.0204; α(N+..)=0.00650
		297.07 *6*	2.8 *3*	158.37859	5/2⁻	(E2)		0.111		α(K)=0.0651; α(L)=0.0343; α(M)=0.00870; α(N+..)=0.00272
		455.46 *3*	100 *5*	0.0	1/2⁻	M1		0.122		α(K)=0.1004; α(L)=0.0166; α(M)=0.00385; α(N+..)=0.00123
492.297	3/2⁻	36.83 *3*	0.51 *11*	455.462	1/2⁻,3/2⁻	M1		27.9		α(L)=21.31; α(M)=4.97
		284.09 *3*	100 *5*	208.20494	3/2⁻	M1		0.435		α(K)=0.357; α(L)=0.597; α(M)=0.0139; α(N+..)=0.00442
		333.93 *4*	80 *4*	158.37859	5/2⁻	M1+E2	+0.22 *2*	0.271		α(K)=0.222 *2*; α(L)=0.376 *1*; α(M)=0.00875 *3*; α(N+..)=0.00279 δ: γγ(θ) data in ^{199}Tl ε decay.
		492.30 *4*	69 *3*	0.0	1/2⁻	M1		0.0994		α(K)=0.0818; α(L)=0.0135; α(M)=0.00313; α(N+..)=0.00100

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Adopted Levels, Gammas (continued)

γ(^{199}Hg) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[†]	δ	α[&]	Comments
532.48	13/2$^+$	(118.6[#])	≈8×10^{-5}[#]	413.84	5/2$^-$	[M4]		2310	α(K)=175; α(L)=1523; α(M)=499; α(N+..)=174
		374.1[#] *1*	100[#] *8*	158.37859	5/2$^-$	M4+E5	+0.092 *15*	6.0	B(M4)(W.u.)=2.01 *5*; B(E5)(W.u.)=143 *25* α(K)=3.55; α(L)=1.95; α(M)=0.527; α(N+..)=0.171 Mult.,δ: from ^{199}Hg IT decay. The B(E5)(W.u.) value is considerably higher than the syst (1973Ra32) values.
750.40	1/2$^-$,3/2$^-$	258.14 *11*	6.9 *7*	492.297	3/2$^-$	[M1,E2]		0.37 *20*	
		294.94 *10*	5.0 *5*	455.462	1/2$^-$,3/2$^-$	[M1,E2]		0.25 *14*	
		336.5 *1*	13.6 *13*	413.84	5/2$^-$	[M1,E2]		0.18 *10*	
		346.89 *8*	12.7 *13*	403.51	3/2$^-$	[M1,E2]		0.16 *9*	
		542.21 *5*	25 *2*	208.20494	3/2$^-$	[M1,E2]		0.05 *3*	
		592.0 *1*	10 *4*	158.37859	5/2$^-$	[M1,E2]		0.040 *22*	
		750.4 *1*	100 *5*	0.0	1/2$^-$	[M1,E2]		0.022 *11*	
823.88	(17/2$^+$)	291.4[@] *2*	100	532.48	13/2$^+$	(E2)[@]		0.117	α(K)=0.0682; α(L)=0.0369; α(M)=0.00937; α(N+..)=0.00293
1221.17	1/2$^{(-)}$,3/2$^{(-)}$	470.77 *13*	2.2 *4*	750.40	1/2$^-$,3/2$^-$	[M1,E2]		0.07 *4*	
		728.86 *11*	2.5 *3*	492.297	3/2$^-$	[M1,E2]		0.024 *12*	
		765.7 *2*	≈0.7	455.462	1/2$^-$,3/2$^-$	[M1,E2]		0.021 *11*	
		807.3 *1*	2.8 *3*	413.84	5/2$^-$	[M1,E2]		0.019 *9*	
		817.67 *10*	23.2 *14*	403.51	3/2$^-$	[M1,E2]		0.018 *9*	
		1012.95 *10*	100 *5*	208.20494	3/2$^-$	[M1,E2]		0.011 *5*	
		1062.8 *1*	14.1 *14*	158.37859	5/2$^-$	[M1,E2]		0.010 *4*	
		1221.16 *10*	1.7 *2*	0.0	1/2$^-$	[M1,E2]		0.007 *3*	
1274.1?	(15/2$^+$)	741.6 *2*	100	532.48	13/2$^+$	M1+E2	−1.3 *5*	0.020 *6*	α(K)=0.016 *5*; α(L)=0.0029 *7* δ: γ(θ) and ce data in (α,3nγ).
1357.2	(21/2$^+$)	533.3 *2*	100	823.88	(17/2$^+$)	(E2)			
1769.3	(19/2$^+$)	945.4 *2*	100	823.88	(17/2$^+$)	(M1+E2)		0.013 *6*	
2107.3	(25/2$^+$)	749.9 *2*	100	1357.2	(21/2$^+$)	(E2)		0.0109	α(K)=0.00849; α(L)=0.00183
2332.0	(21/2$^-$)	974.8 *2*	100	1357.2	(21/2$^+$)	(E1)			
2425.6	(23/2$^-$)	1068.6 *2*	100	1357.2	(21/2$^+$)	(E1)			
2487.8	(25/2$^-$)	155.8 *5*	≈10	2332.0	(21/2$^-$)				
		380.5 *2*	100 *24*	2107.3	(25/2$^+$)	E1		0.0161	α(K)=0.0133; α(L)=0.00215; α(M)=0.00050; α(N+..)=0.00016
2629.7	(27/2$^-$)	141.6	<40	2487.8	(25/2$^-$)				
		204.3 *2*	20 *4*	2425.6	(23/2$^-$)				
		522.3 *2*	100 *20*	2107.3	(25/2$^+$)				

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Adopted Levels, Gammas (continued)

$\gamma(^{199}Hg)$ (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[†]
2765.9	(29/2$^-$)	278.1 *2*	100	2487.8	(25/2$^-$)	(Q)
3068.4	(31/2$^-$)	438.7 *2*	100	2629.7	(27/2$^-$)	(Q)

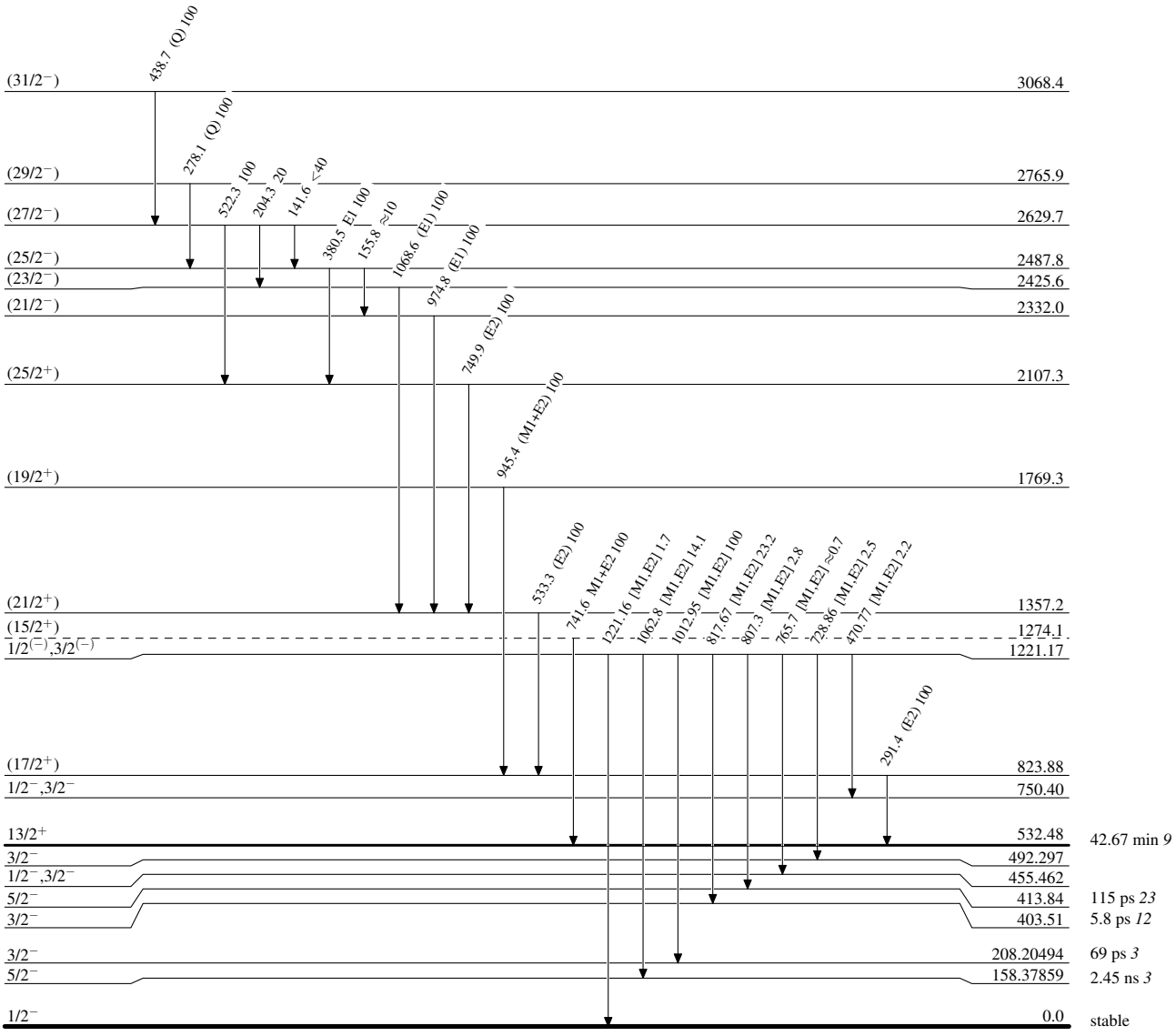
[†] From ^{199}Tl ε decay for gammas deexciting levels with E≤1221.17, from (α,3nγ) for levels with E>1221.17, unless otherwise noted.
[‡] From ^{199}Au β^- decay.
[#] From ^{199}Hg IT decay.
[@] From (α,3nγ).
[&] Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.

$^{199}_{80}Hg_{119}$-7

Adopted Levels, Gammas

Level Scheme

Intensities: Relative photon branching from each level



$^{199}_{80}Hg_{119}$

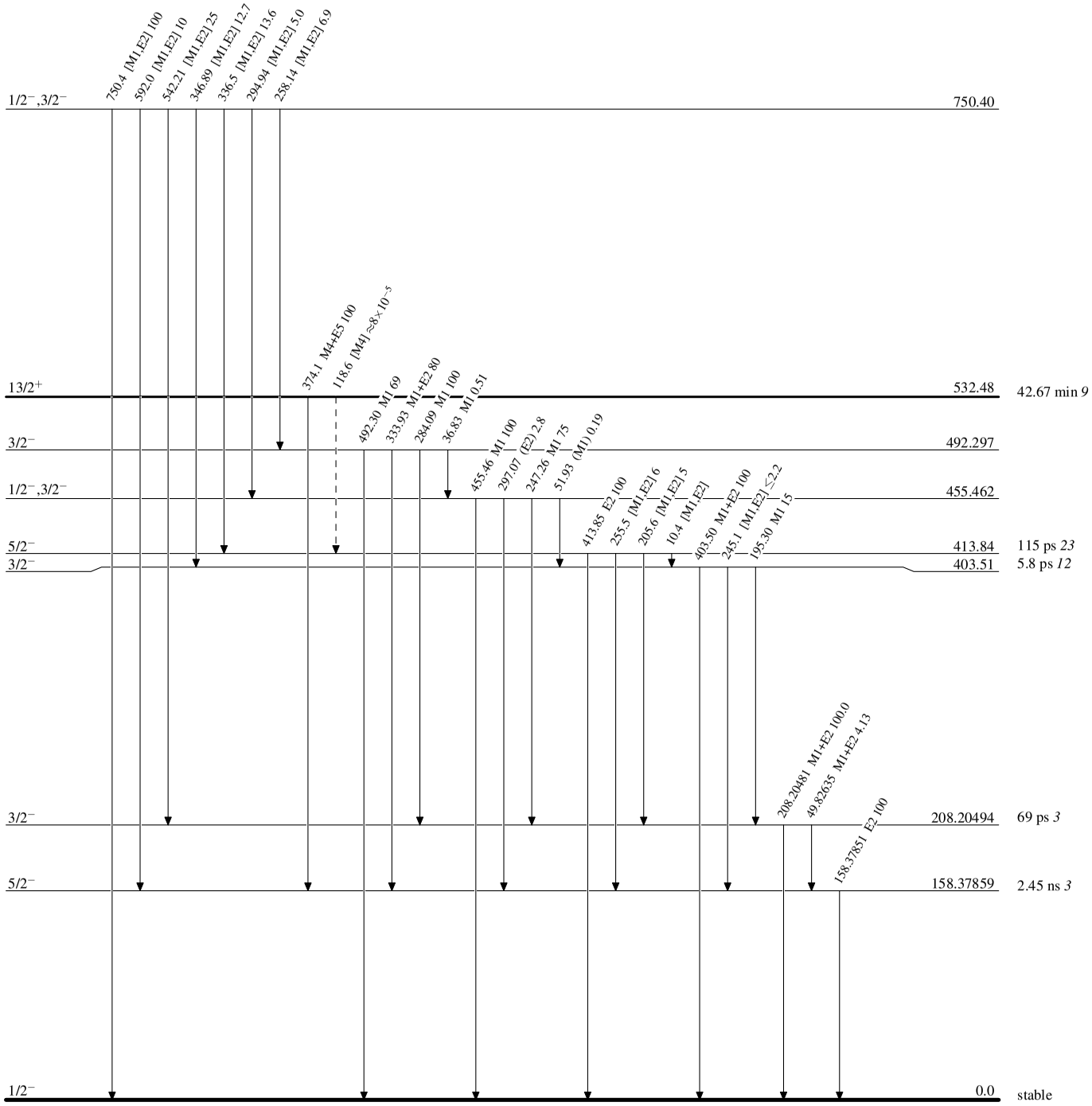
Adopted Levels, Gammas

Legend

Level Scheme (continued)

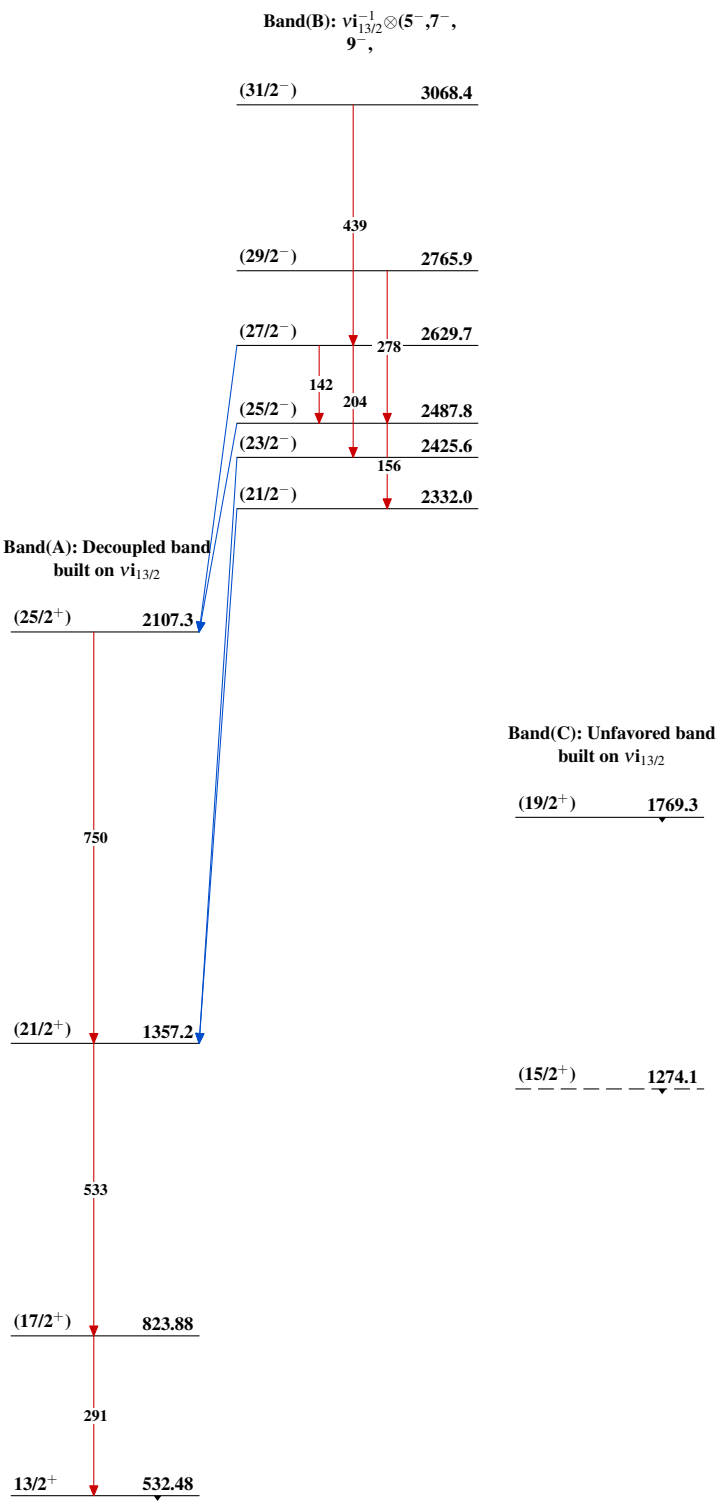
Intensities: Relative photon branching from each level

γ Decay (Uncertain)



$^{199}_{80}Hg_{119}$

Adopted Levels, Gammas



$^{199}_{80}Hg_{119}$