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^-)=−1570 *23*; S(n)=8427.6 *24*; S(p)=5095.9 *10*; Q(α)=1716.4 *23* 2012Wa38

^{195}Au Levels

For the interacting boson model see 1987Se03.

Cross Reference (XREF) Flags

A	^{195}Au IT decay (30.5 s)	F	^{197}Au(p,t)
B	^{195}Hg ε decay (41.6 h)	G	^{198}Pt(^{136}Xe,Xγ)
C	^{195}Hg ε decay (10.53 h)	H	^{192}Os(^{7}Li,4nγ)
D	^{193}Ir(α,2nγ), ^{196}Pt(p,2nγ)	I	^{192}Os(^{136}Xe,Xγ)
E	^{194}Pt(α,t), (^{3}He,d)		

E(level)†	J$^\pi$	T$_{1/2}$	XREF	Comments
0.0	3/2$^+$	186.01 d *6*	ABCDEFGHI	%ε=100 J$^\pi$: J=3/2 from atomic beam (1976Fu06), π=+ from L=2 in ^{194}Pt(α,t). T$_{1/2}$: From 2012Fi12, made a sample-height corrections based on 186.098 D *47* measurement with reference ionization chambers (1991UnZZ,2002Un02). Others: 186.09 d *4* (1982HoZJ, replaced by 2002Un02), 182.9 d *5* (1963Ha17,1981KhZY), 185 d *1* (1962Bo12), 199 d *3* (1960Br11), 192 d *5* (1959Bi07), 185 d *3* (1949Wi08), 180 d *15* (1949St17). μ=0.1487 *6* (1993Hi10, 2011STZZ). μ: Nuclear magnetic resonance on oriented nuclei(1993Hi10). Others: +0.149 *1* (1980Ek04), +0.151 *7* (1989Wa11), +0.145 *5* (1990Sa21). Q=+0.607 *18* (1993Hi10,2011StZZ). Q: Nuclear magnetic resonance on oriented nuclei (^{193}Au standard) (1993Hi10). Change of the mean-square charge radius Δ<r^2>(^{195}Au−^{197}Au): 0.063 (fm)^2 9 (1983Kl02), −0.080 (fm)^2 6 (1990Sa11). See also 1984Ro11. <β^2>$^{1/2}$=0.120 (1990Sa21).
61.434 *24*	1/2$^+$	3.0 ns *2*	ABCDEFGHI	J$^\pi$: L=0 in ^{194}Pt(α,t). Analogy with ^{197}Au, probably s1/2. T$_{1/2}$: from $\gamma\gamma$(t) measurement in ^{195}Hg ε decay (10.53 h) (1970Fo08). Others: 3.2 ns *5* (1962Ja04), 2.8 ns *3* (1961Re08).
241.55 *4*	3/2$^+$	<30 ps	CDEF	J$^\pi$: γ to 1/2$^+$ is M1+E2. T$_{1/2}$: from $\gamma\gamma$(t) measurement in ^{195}Hg ε decay (10.53 h) (1970Fo08).
261.79 *3*	5/2$^+$	54 ps *10*	ABCD FG	J$^\pi$: γ to 3/2$^+$ is M1+E2 and γ from 11/2$^-$ is E3. T$_{1/2}$: from $\gamma\gamma$(t) measurement in ^{195}Hg ε decay (41.6 h) (1970Fo08). Other: <200 ps (1961Re08).
318.58‡ *4*	11/2$^-$	30.5 s *2*	ABCDE GHI	%IT=100 J$^\pi$: log *ft*=7.39 (log $f^{1u}t$=8.1) from 13/2$^+$ and L=5 in ^{194}Pt(α,t). T$_{1/2}$: weighted av of 30.6 s *2* (1955Fi30), 30.2 s *5* (1967Fr05). Other: 30 s (1952Hu54). μ=+6.17 *9* (1983Li21,2011StZZ). μ: Nuclear magnetic resonance on oriented nuclei(1983Li21). Other: 6.18 *9* (1981Ha27) Q=+1.87 *6* (1996Se06,2011StZZ). Q: MAPON method (1996Se06). Other: +1.41 *10*, ^{197}Au standard (1983Pe22).
439.53 *9*	3/2$^+$,5/2$^+$		CDEF	J$^\pi$: L=2 in ^{194}Pt(α,t).

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Adopted Levels, Gammas (continued)

^{195}Au Levels (continued)

E(level)[†]	J^π	$T_{1/2}$	XREF	Comments
525.64 *5*	$7/2^-$		BCDE	J^π: γ to $11/2^-$ is E2 and L=3 in ^{194}Pt(α,t).
549.38 *9*	$(7/2)^+$		B D F	J^π: γ to $3/2^+$ is E2 and γ from $(11/2^+)$.
706.48[‡] *6*	$15/2^-$		B D FGHI	J^π: γ to $11/2^-$ is E2 and π h11/2 decoupled band member.
778.22? *19*			C	
818.52 *19*	$(9/2^+)$		B D	J^π: from analogy with ^{193}Au and E(level) calc (1976ViZN).
841 *4*	$1/2^+$		E	J^π: L=0 in ^{194}Pt(α,t).
841.23 *4*	$3/2^+$		C F	XREF: F(830). J^π: J=3/2 from (600γ)(180γ)(θ) in ^{195}Hg ε decay (10.53 h) (1970Ca07) and π=+ from γ of M1+E2 to $3/2^+$.
878.85 *5*	$13/2^-$		B D	J^π: γ's to $11/2^-$ and $15/2^-$ are M1.
894.15 *5*	$9/2^-$		B D	J^π: γ's to $7/2^-$ and from $11/2^-$ are M1.
946.82? *16*			B	
955.08 *15*	$(9/2^+)$		B F	J^π: γ to $5/2^+$ is (E2) and γ from $(11/2^+)$ is M1.
1068.00 *11*	$9/2^-$		B EF	J^π: γ to $11/2^-$ is M1; L=5 allows J=$9/2^-$ and $11/2^-$; but γ to 549, with $J^\pi \leq 7/2^+$, rules out J=$11/2^-$.
1082.95 *6*	$3/2^+$		C	J^π: γ to $5/2^+$ is M1(+E2) and log *ft*=7.31 from $1/2^-$.
1106 *4*	$3/2^+,5/2^+$		E	J^π: L=2 in ^{194}Pt(α,t),(^{3}He,d).
1110.76 *7*	$3/2^-$		C F	J^π: γ to $7/2^-$ is E2 and log *ft*=6.90 from $1/2^-$.
1172.44 *6*	$3/2^+$		C F	J^π: γ to $5/2^+$ is M1+E2 and log *ft*=6.55 from $1/2^-$.
1250.96 *10*	$(3/2^+),(5/2)^+$		C	J^π: γ to $5/2^+$ is (M1) and log *ft*=7.86 from $1/2^-$.
1280.51 *7*	$11/2^-$		B F	J^π: γ to $7/2^-$ is E2 and log *ft*=8.22 from $13/2^+$.
1324.64 *20*	$1/2,3/2,5/2^+$		C	J^π: log *ft*=8.64 from $1/2^-$, and γ to $1/2^+$.
1335 *4*	$1/2^+$		E	J^π: L=0 in ^{194}Pt(α,t).
1346.19 *6*	$11/2^-$		B	J^π: γ to $9/2^-$ is M1 and log *ft*=7.85 from $13/2^+$.
1353.61 *24*	$3/2^+$		C F	J^π: L=0 in ^{197}Au(p,t).
1365.8 *7*	$(17/2^-)$		D HI	J^π: for corresponding J^π state in ^{193}Au in ^{193}Ir(α,2nγ) (1974Tj02).
1394 *4*	$3/2^+,5/2^+$		E	J^π: L=2 in ^{194}Pt(α,t).
1396.63 *14*	$(11/2^+)$		B	J^π: log *ft*=8.55 from $13/2^+$ and γ to $(9/2^+)$ is (M1).
1404.60 *6*	$13/2^-,15/2^-$		B D	J^π: γ's to $13/2^-$ and $15/2^-$ are M1, and log *ft*=7.69 from $13/2^+$. J^π=$15/2^-$ favored by 1974Tj02 on the basis of corresponding J^π state in ^{195}Au.
1406.17 *15*	$9/2^-,11/2,13/2^-$		B	J^π: log *ft*=9.0 from $13/2^+$ and γ to $9/2^-$.
1424.8[‡] *6*	$19/2^-$		D GHI	J^π: π h11/2 decoupled band member in ^{193}Ir(α,2nγ) (1974Tj02).
1433.0? *3*	$1/2,3/2,5/2^+$		C	J^π: log *ft*=8.3 from $1/2^-$, and γ to $1/2^+$.
1443.17 *25*	$1/2,3/2$		C	J^π: log *ft*=7.5 from $1/2^-$ and γ to $3/2^+$.
1487.00 *12*	$9/2^-,11/2^-$		B	J^π: log *ft*=8.36 from $13/2^+$ and γ to $9/2^-$ is M1+E2.
1490.2 *7*	$(13/2^+)$		D	J^π: corresponding J^π state in ^{193}Au in ^{193}Ir(α,2nγ) (1974Tj02).
1503 *4*	$1/2^+$		E	J^π: L=0 in ^{194}Pt(α,t),(^{3}He,d).
1559.59 *6*	$13/2^-$		B	J^π: γ's to $11/2^-$ and $15/2^-$ are M1.
1585 *4*	$5/2^-,7/2^-$		E	J^π: L=3 in ^{194}Pt(α,t).
1605.57 *14*	$11/2^-,13/2^-,15/2^-$		B F	J^π: γ to $13/2^-$ is M1.
1781 *4*	$5/2^-,7/2^-$		E	J^π: L=3 in ^{194}Pt(α,t).
1813.1[#] *5*	$21/2^+$	8.04 ns *28*	D G	J^π: corresponding J^π state in ^{193}Au in ^{193}Ir(α,2nγ). π h11/2 coupled to 5^- core state (1974Tj02). $T_{1/2}$: From $\gamma\gamma$(t) (2013Dr01). Other: 8 ns *2*,from $\gamma\gamma$(t) measurement in ^{193}Ir(α,2nγ) (1974Tj02).
1979.49[#] *20*	$25/2^+$	3.5 ns *8*	HI	$T_{1/2}$: From $\gamma\gamma$(t) (2013Dr01).
1983 *4*	$9/2^-,11/2^-$		E	J^π: L=5 in ^{194}Pt(α,t).
2021.5 *6*	$(25/2^+)$		HI	
2126.2 *6*	$(27/2^+)$		HI	
2240.5[#] *5*	$(29/2^+)$		HI	
2244.4[‡] *6*	$(23/2^-)$		H	Configuration=$\pi h_{11/2}^{-1}\otimes 6^+$ in ^{196}Hg core.
2294.6 *11*			G	E(level): assuming that 481.5γ in out-of-beam measurement feeds

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Adopted Levels, Gammas (continued)

^{195}Au Levels (continued)

E(level)[†]	J^π	$T_{1/2}$	XREF	Comments
				the 1813 level directly (2006Wh02).
2347.5 *8*			H	
2350 *4*	$11/2^+$,$13/2^+$		E	J^π: L=6 in ^{194}Pt(α,t).
2418.2 *5*	$(29/2^+)$	≈69 ns	HI	Possible configuration=$\pi h^{-1}_{11/2}\otimes\nu(i^{-1}_{13/2},h^{-1}_{9/2})$ as proposed earlier for $31/2^+$ isomers in ^{189}Au, ^{191}Au and ^{193}Au. $T_{1/2}$: From $\gamma\gamma$(t) (2013Dr01).
2461.3 *5*	$29/2^+$		HI	
2460.84+x	$31/2^{(-)}$	12.89 μs *21*	I	Additional information 1. $T_{1/2}$: From $\gamma\gamma$(t) (2013Dr01). Possible configuration=$\pi 11/2[505]^{-1}\otimes\nu(9/2[624],11/2[615])^{-2}$.
2526.6 *6*	$(27/2^-)$		H	Configuration=$\pi h_{11/2}\otimes ?i^{-2}_{13/2}$, 3qp state.
2792.0[#] *7*	$(33/2^+)$		H	

[†] From scheme and Eγ using least-squares fit to data.

[‡] Band(A): π $h_{11/2}$ decoupled band. level spacing of ΔJ=2 sequence Built on $11/2^-$ is close to ^{193}Au, ^{191}Au, and ^{196}Au g.s. band (1976ViZN,1978Vi02,1977Pa16).

[#] Band(B): Sequence on $21/2^+$. Possible configuration=$\pi h^{-1}_{11/2}\otimes\nu(i^{-1}_{13/2},j)$.

Adopted Levels, Gammas (continued)

γ(^{195}Au)

For unplaced γ's, see ^{195}Hg ε decay (41.6 h) and ^{195}Hg ε decay (10.53 h).

E_i(level)	J_i^π	E_γ[‡]	I_γ[†‡]	E_f	J_f^π	Mult.[‡]	δ[‡]	α[a]	Comments
61.434	1/2$^+$	61.46 *3*	100	0.0	3/2$^+$	M1+E2	0.45 *1*	12.2 *3*	B(M1)(W.u.)=0.00199 *15*; B(E2)(W.u.)=41 *4*
241.55	3/2$^+$	180.11# *4*	100# *5*	61.434	1/2$^+$	M1+E2#	≈0.16#	1.342	B(M1)(W.u.)>0.051; B(E2)(W.u.)>15
		241.50# *10*	3.6# *6*	0.0	3/2$^+$	M1+E2#	≈2.2#	0.269	B(M1)(W.u.)>0.00013; B(E2)(W.u.)>4.3
261.79	5/2$^+$	200.38 *4*	2.6 *3*	61.434	1/2$^+$	E2		0.372	B(E2)(W.u.)=8.7 *20*
		261.75 *4*	100 *4*	0.0	3/2$^+$	M1+E2	0.51 *1*	0.415 *7*	B(M1)(W.u.)=0.0124 *25*; B(E2)(W.u.)=18 *4*
318.58	11/2$^-$	56.80 *3*	72 *3*	261.79	5/2$^+$	E3		3.29×10^3	B(E3)(W.u.)=0.00279 *18*
		318.60 *10*	100 *11*	0.0	3/2$^+$	M4		11.67	B(M4)(W.u.)=2.3 *3*
439.53	3/2$^+$,5/2$^+$	439.50# *15*	100#@	0.0	3/2$^+$	M1#@		0.1189	
525.64	7/2$^-$	207.10 *4*	100	318.58	11/2$^-$	E2		0.333	
549.38	(7/2)$^+$	287.4 *3*	21 *4*	261.79	5/2$^+$				
		549.40 *10*	100 *10*	0.0	3/2$^+$	E2@		0.0206	
706.48	15/2$^-$	387.87 *5*	100	318.58	11/2$^-$	E2		0.0494	
778.22?		716.79# *23*	100# *42*	61.434	1/2$^+$				
		778.0# *6*	7.5# *33*	0.0	3/2$^+$				
818.52	(9/2$^+$)	556.64 *32*	100	261.79	5/2$^+$				
841.23	3/2$^+$	401.74# *15*	0.07# *2*	439.53	3/2$^+$,5/2$^+$				
		599.66# *4*	26.2# *9*	241.55	3/2$^+$	M1+E2#	+0.55# *6*	0.0443 *16*	
		779.80# *5*	100#	61.434	1/2$^+$	M1#		0.0267	
		841.27# *10*	4.0# *9*	0.0	3/2$^+$	M1,E2#		0.015 *7*	
878.85	13/2$^-$	172.31 *11*	0.76 *11*	706.48	15/2$^-$	M1		1.543	
		560.27 *4*	100	318.58	11/2$^-$	M1		0.0627	
894.15	9/2$^-$	368.55 *5*	100 *4*	525.64	7/2$^-$	M1		0.190	
		575.52 *5*	65 *7*	318.58	11/2$^-$	M1+E2	0.65 *30*	0.047 *8*	
946.82?		628.30 *20*	100	318.58	11/2$^-$				
955.08	(9/2$^+$)	693.17 *20*	100	261.79	5/2$^+$	(E2)		0.01222	
1068.00	9/2$^-$	518.45 *20*	100 *21*	549.38	(7/2)$^+$				
		542.40 *20*	55 *13*	525.64	7/2$^-$				
		749.50 *20*	100 *16*	318.58	11/2$^-$	M1		0.0295	
1082.95	3/2$^+$	821.08# *10*	100# *9*	261.79	5/2$^+$	M1(+E2)#		0.016 *8*	
		1021.56# *7*	64# *7*	61.434	1/2$^+$	M1#		0.01339	
		1082.90# *20*	24# *3*	0.0	3/2$^+$	(E2)#		0.00492	
1110.76	3/2$^-$	585.13# *5*	100# *4*	525.64	7/2$^-$	E2#		0.01781	
		671.13# *25*	1.20# *14*	439.53	3/2$^+$,5/2$^+$				

$^{195}_{79}Au_{116}$-4

Adopted Levels, Gammas (continued)

γ(^{195}Au) (continued)

E_i(level)	J_i^π	E_γ[‡]	I_γ[†‡]	E_f	J_f^π	Mult.[‡]	δ[‡]	α[a]	Comments
1110.76	3/2⁻	868.9# *3*	0.17# *7*	241.55	3/2⁺				
		1049.27# *25*	10# *3*	61.434	1/2⁺				
1172.44	3/2⁺	910.63# *15*	4.3# *8*	261.79	5/2⁺	M1+E2#	≈1.4#	≈0.01064	
		930.90# *7*	29.3# *24*	241.55	3/2⁺	M1+E2#	+0.7# *2*	0.0136 *14*	
		1111.04# *10*	100# *9*	61.434	1/2⁺	M1#		0.01082	
		1172.38# *10*	86# *8*	0.0	3/2⁺	M1#		0.00945	
1250.96	(3/2⁺),(5/2)⁺	811.40# *15*	68# *23*	439.53	3/2⁺,5/2⁺	(M1)#		0.0241	
		989.15# *20*	40# *15*	261.79	5/2⁺				
		1009.35# *20*	100# *20*	241.55	3/2⁺	(M1)#		0.01380	
		1189.5# *3*	76# *15*	61.434	1/2⁺				
		1251.14# *25*	53# *10*	0.0	3/2⁺				
1280.51	11/2⁻	386.40 *15*	100 *10*	894.15	9/2⁻	M1		0.1676	
		401.92 *18*	5.4 *13*	878.85	13/2⁻				
		462.13 *38*	1.5 *5*	818.52	(9/2⁺)				
		754.86 *15*	20.3 *18*	525.64	7/2⁻	E2		0.01018	
		961.92 *8*	77 *7*	318.58	11/2⁻	M1		0.01559	
1324.64	1/2,3/2,5/2⁺	546.40# *23*	25# *11*	778.22?					
		1263.2# *3*	100# *28*	61.434	1/2⁺				
		1324.7# *4*	30# *10*	0.0	3/2⁺				
1346.19	11/2⁻	452.04 *5*	72 *5*	894.15	9/2⁻	M1		0.1104	
		467.36 *5*	100 *6*	878.85	13/2⁻	M1		0.1010	
		1027.45 *15*	40 *5*	318.58	11/2⁻	M1		0.01319	
1353.61	3/2⁺	1091.7# *4*	76# *34*	261.79	5/2⁺				
		1292.2# *4*	50# *11*	61.434	1/2⁺				
		1353.7# *4*	100# *22*	0.0	3/2⁺				
1365.8	(17/2⁻)	659.5	100	706.48	15/2⁻				
1396.63	(11/2⁺)	441.50 *20*	100 *15*	955.08	(9/2⁺)	M1		0.1175	
		578.02 *22*	87 *15*	818.52	(9/2⁺)	(M1)		0.0578	
		847.40 *20*	60 *15*	549.38	(7/2)⁺				
1404.60	13/2⁻,15/2⁻	525.75 *4*	100 *6*	878.85	13/2⁻	M1		0.0741	
		698.06 *15*	13.1 *13*	706.48	15/2⁻	M1		0.0354	
		1086.20 *20*	9.7 *14*	318.58	11/2⁻				
1406.17	9/2⁻,11/2,13/2⁻	338.17 *10*	100	1068.00	9/2⁻				
1424.8	19/2⁻	(59.0 *5*)		1365.8	(17/2⁻)				E_γ: from 2013Dr01.
		718.5@	100@	706.48	15/2⁻	E2@		0.01131	
1433.0?	1/2,3/2,5/2⁺	1372.0# *4*	100# *27*	61.434	1/2⁺				
		1432.6# *4*	46# *15*	0.0	3/2⁺				
1443.17	1/2,3/2	360.2# *3*	100# *22*	1082.95	3/2⁺				

$^{195}_{79}Au_{116}$-5

Adopted Levels, Gammas (continued)

γ(^{195}Au) (continued)

E_i(level)	J_i^π	E_γ[‡]	I_γ[†‡]	E_f	J_f^π	Mult.[‡]	δ[‡]	α[a]	Comments
1443.17	1/2,3/2	1443.2[#] *4*	7.8[#] *22*	0.0	$3/2^+$				
1487.00	$9/2^-$,$11/2^-$	90.42 *23*	1.0 *4*	1396.63	$(11/2^+)$				
		419.00 *5*	100 *8*	1068.00	$9/2^-$	E2+M1	≈2.4	0.0543	
		531.72 *35*	1.5 *6*	955.08	$(9/2^+)$				
		540.32 *27*	3.1 *9*	946.82?					
1490.2	$(13/2^+)$	671.7[@] *6*	100[@]	818.52	$(9/2^+)$				
1559.59	$13/2^-$	279.25 *10*	22 *6*	1280.51	$11/2^-$	M1		0.404	
		665.42 *12*	8.7 *8*	894.15	$9/2^-$				
		680.68 *5*	35 *4*	878.85	$13/2^-$	M1		0.0378	
		853.05 *10*	42 *5*	706.48	$15/2^-$	M1		0.0212	
		1241.17 *10*	100 *1*	318.58	$11/2^-$	M1		0.00820	
1605.57	$11/2^-$,$13/2^-$,$15/2^-$	324.55 *25*	16 *6*	1280.51	$11/2^-$				
		658.7 *3*	12 *5*	946.82?					
		727.20 *25*	100 *10*	878.85	$13/2^-$	M1		0.0319	
		899.5 *3*	82 *15*	706.48	$15/2^-$	(E2)		0.00710	
		1286.4 *4*	13 *3*	318.58	$11/2^-$				
1813.1	$21/2^+$	388.1[@]	100[@]	1424.8	$19/2^-$	E1[&]		0.01489	B(E1)(W.u.)=4.18×10^{-7} *16*
		1106.5 *5*	<2	706.48	$15/2^-$	[E3]		0.01043	B(E3)(W.u.)=0.3 *+4–3*
									E_γ,I_γ: from 2012Wa06.
1979.49	$25/2^+$	166.9 *1*	100	1813.1	$21/2^+$	E2		0.708	α(exp)=0.72 *6*
									B(E2)(W.u.)=10.9 *25*
2021.5	$(25/2^+)$	208.3 *5*	100	1813.1	$21/2^+$				α(exp)=0.06 *10*
2126.2	$(27/2^+)$	104.6 *3*	100 *15*	2021.5	$(25/2^+)$				E_γ,I_γ: from 2012Wa06.
		146.2 *5*	15 *8*	1979.49	$25/2^+$				E_γ,I_γ: from 2012Wa06.
2240.5	$(29/2^+)$	113.9 *5*	20 *7*	2126.2	$(27/2^+)$				E_γ,I_γ: from 2012Wa06.
		219.0 *3*	37 *7*	2021.5	$(25/2^+)$				E_γ,I_γ: from 2012Wa06.
		260.5 *3*	100 *17*	1979.49	$25/2^+$				E_γ,I_γ: from 2012Wa06.
2244.4	$(23/2^-)$	819.6 *3*	100	1424.8	$19/2^-$				
2294.6		481.5	100	1813.1	$21/2^+$				E_γ: From out-of-beam γγ measurement (2006Wh02).
2347.5		326.0 *5*	100	2021.5	$(25/2^+)$				
2418.2	$(29/2^+)$	177.7 *1*	100 *4*	2240.5	$(29/2^+)$	M1		1.415	α(exp)=1.8 *3*
									B(M1)(W.u.)≈1.9×10^{-5}
									E_γ,I_γ: from 2013Dr01.
		291.9 *5*	14.8 *20*	2126.2	$(27/2^+)$				E_γ,I_γ: from 2013Dr01.
		438.1 *5*	35.5 *25*	1979.49	$25/2^+$				E_γ,I_γ: from 2013Dr01.
2461.3	$29/2^+$	43.1 *1*		2418.2	$(29/2^+)$				E_γ: from 2013Dr01.
		221.0 *5*	9.3 *10*	2240.5	$(29/2^+)$				E_γ,I_γ: from 2013Dr01.
		481.4 *1*	100 *3*	1979.49	$25/2^+$	E2		0.0283	E_γ,I_γ: from 2013Dr01.
2460.84+x	$31/2^{(-)}$	x		2461.3	$29/2^+$				
2526.6	$(27/2^-)$	282.3 *5*	100 *25*	2244.4	$(23/2^-)$				
		546.5 *5*	50 *13*	1979.49	$25/2^+$				
2792.0	$(33/2^+)$	551.5 *5*	100	2240.5	$(29/2^+)$				

$^{195}_{79}Au_{116}$-6

Adopted Levels, Gammas (continued)

$\gamma(^{195}Au)$ (continued)

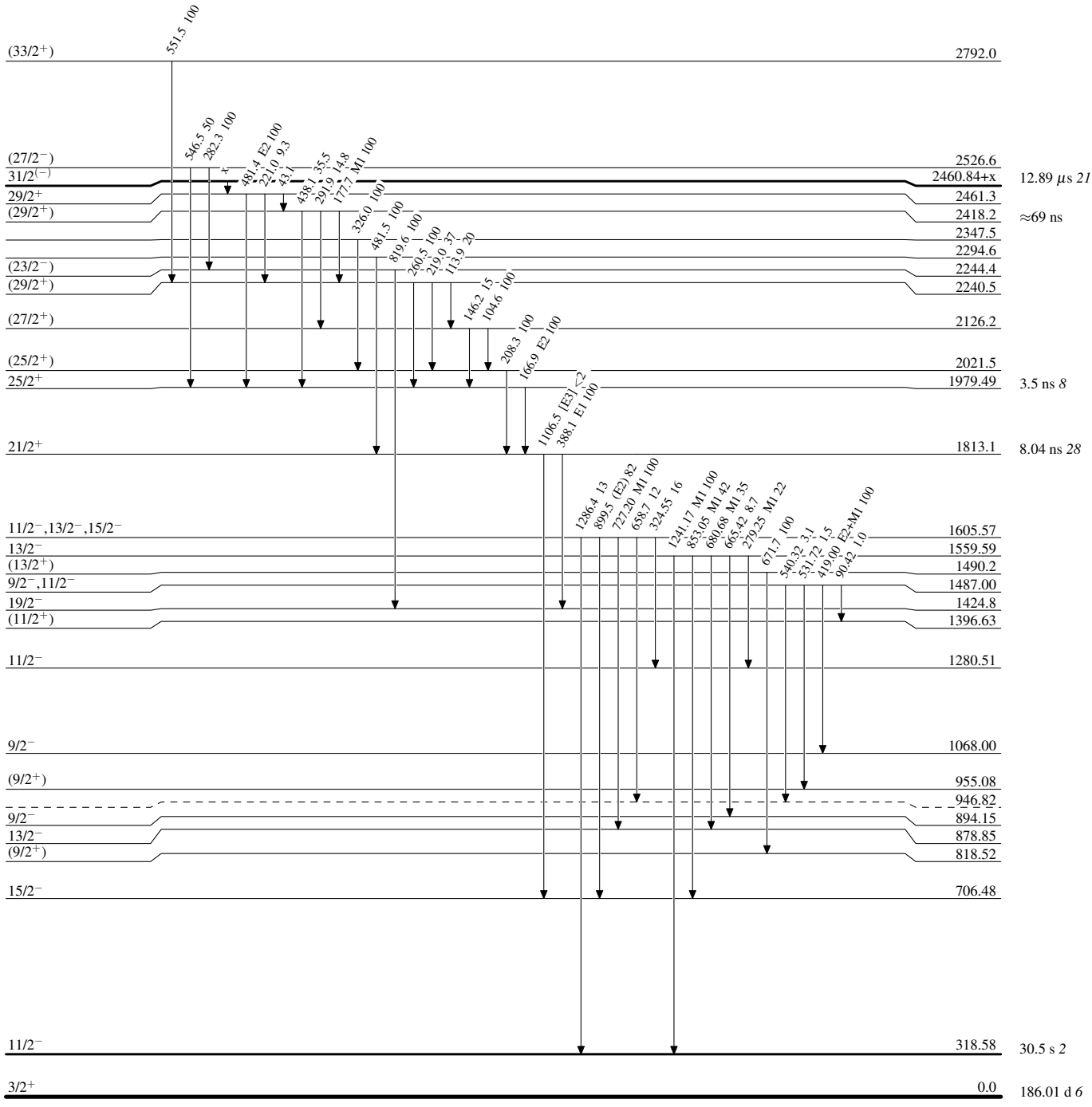
† Relative photon branching renormalized to 100 for the strongest branching from each level.
‡ Values are from ^{195}Hg ε decay (41.6 h), except as noted.
# From ^{195}Hg ε decay (10.53 h).
@ From ^{193}Ir(α,2nγ), ^{196}Pt(p,2nγ).
& Deduced from ΔJ and $\Delta\pi$.
a Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.

$^{195}_{79}Au_{116}$-7

Adopted Levels, Gammas

Level Scheme

Intensities: Relative photon branching from each level



$^{195}_{79}Au_{116}$

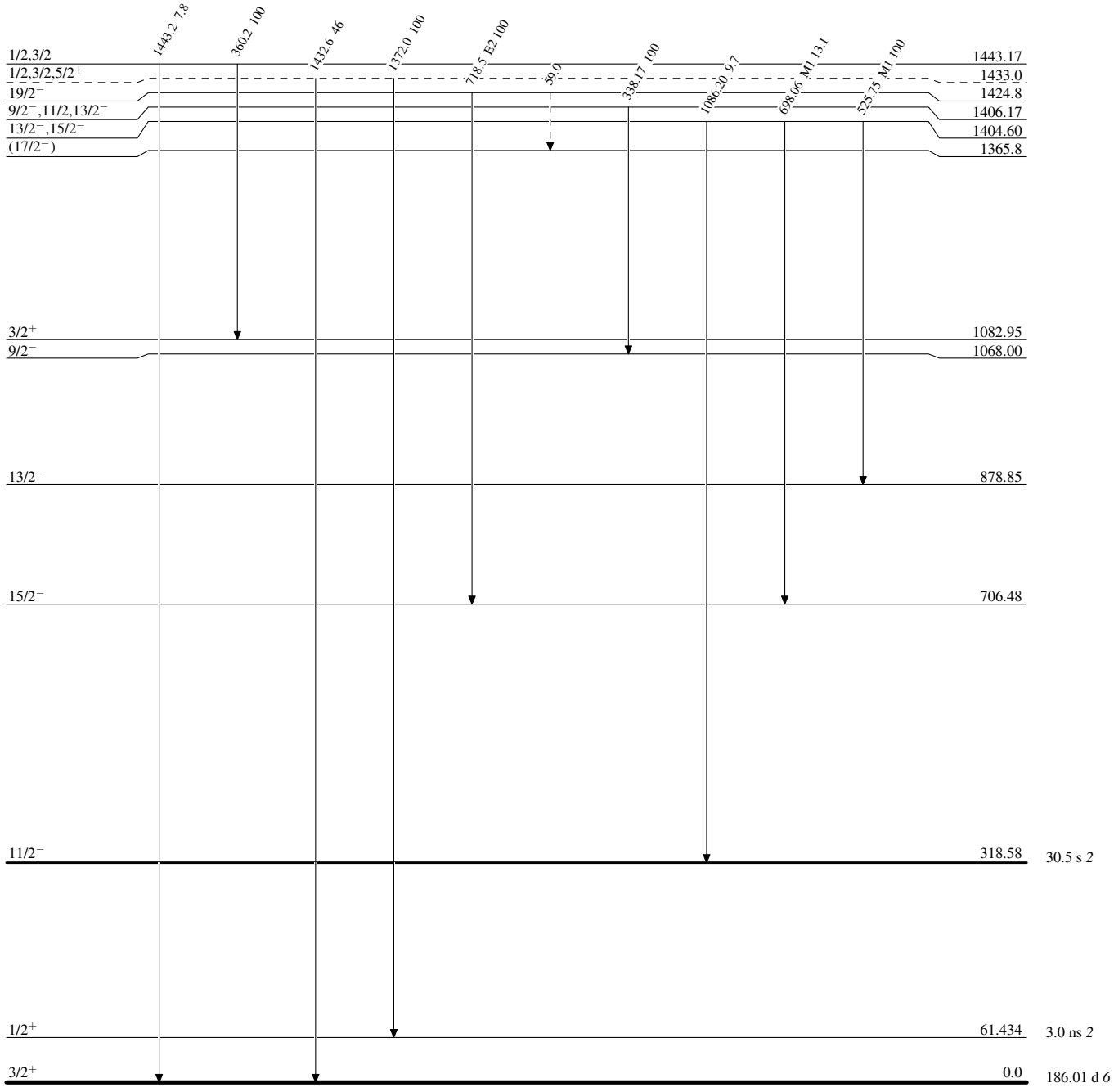
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level

γ Decay (Uncertain)

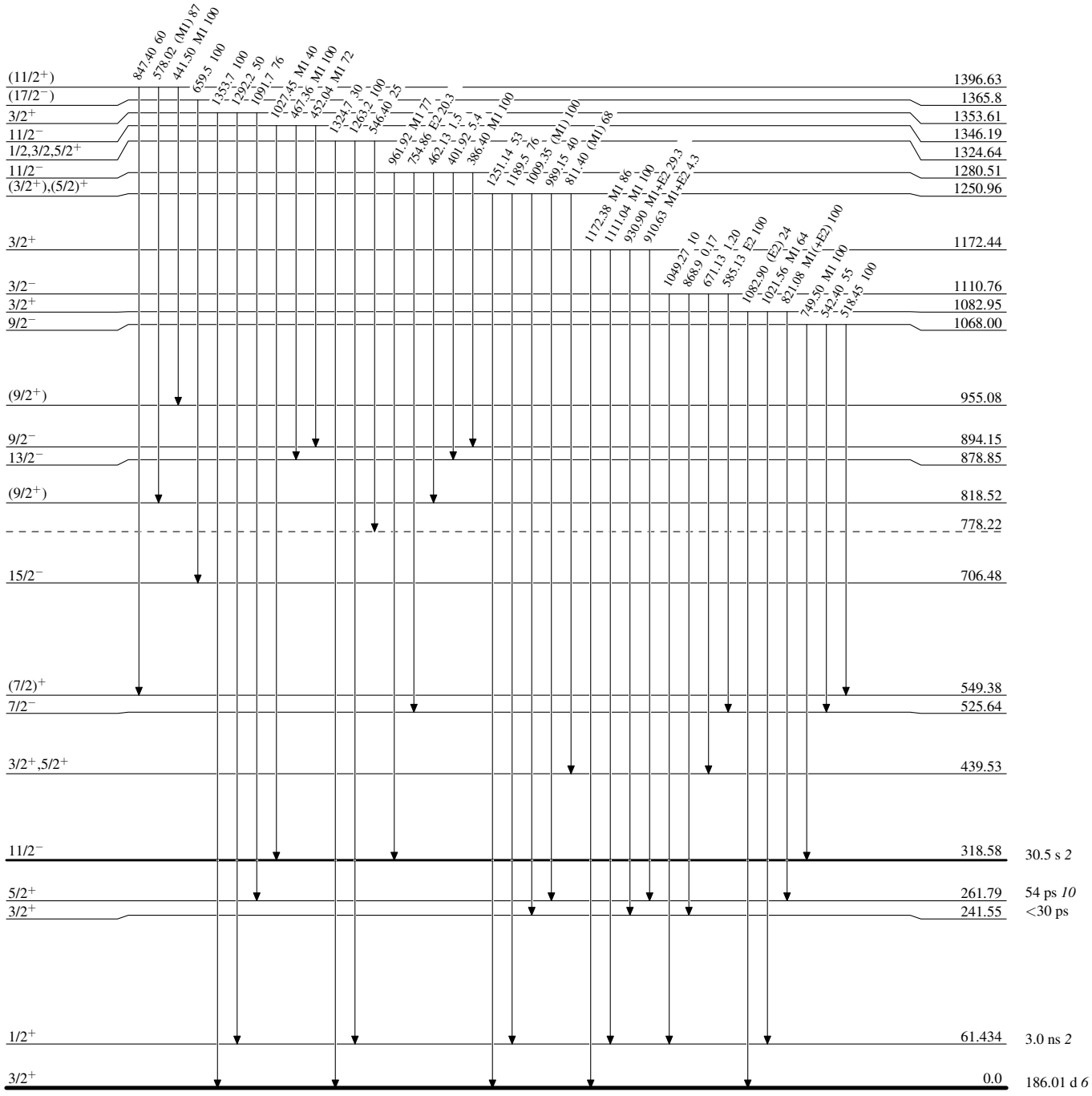


$^{195}_{79}Au_{116}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

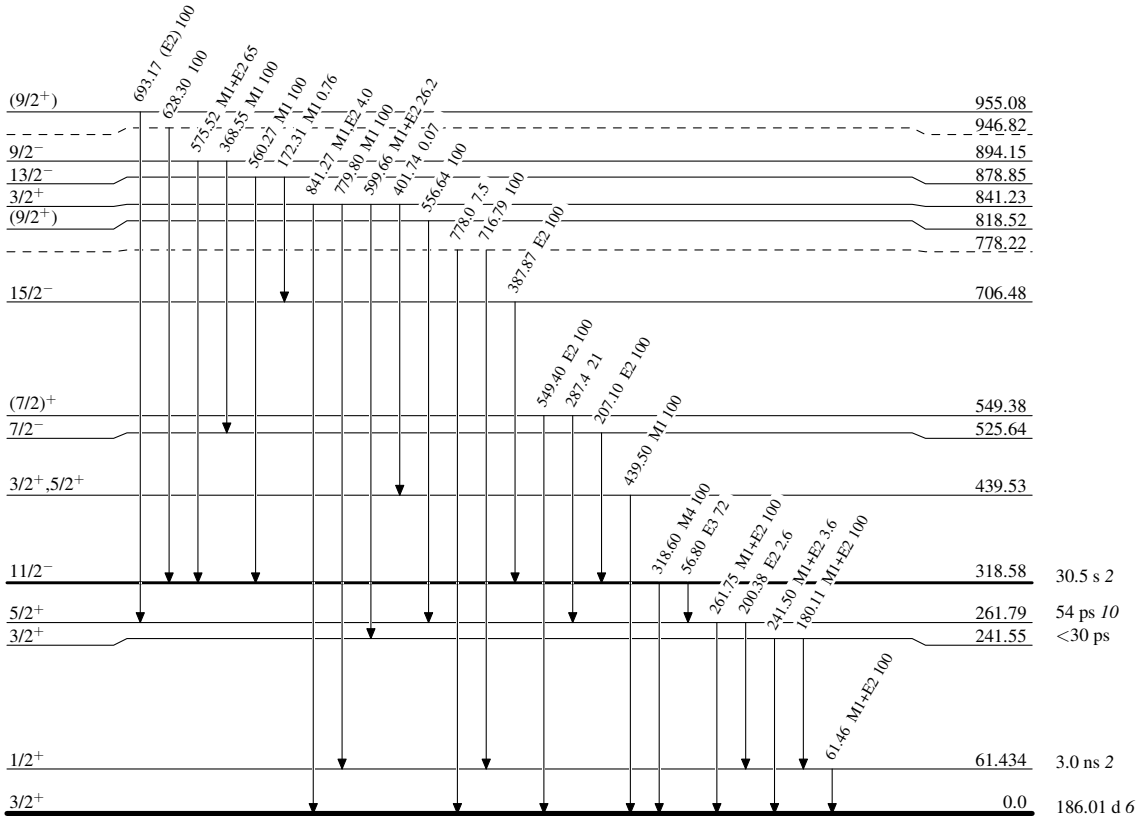


$^{195}_{79}Au_{116}$

Adopted Levels, Gammas

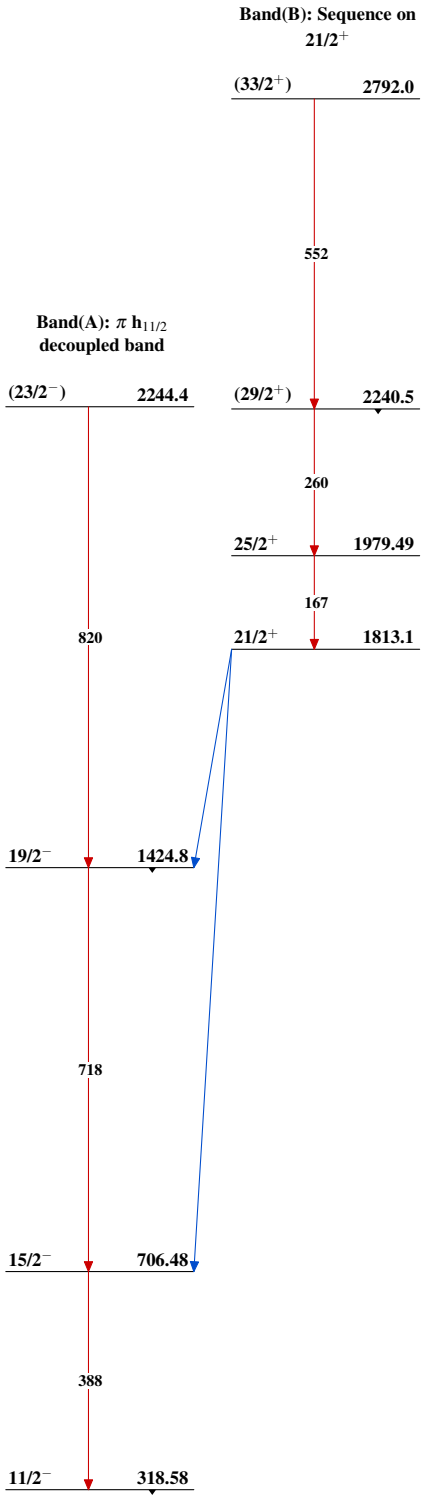
Level Scheme (continued)

Intensities: Relative photon branching from each level



$^{195}_{79}Au_{116}$

Adopted Levels, Gammas



$^{195}_{79}Au_{116}$