Adopted Levels, Gammas

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	ENSDF	1-Jul-2006

Q(β^-)=−5498 *5*; S(n)=11268 *7*; S(p)=3396 *19*; Q(α)=−1.16×10^3 *4* 2012Wa38
Note: Current evaluation has used the following Q record.
Q(β^-)=−5.48×10^3 *11*; S(n)=11.15×10^3 *13*; S(p)=3.29×10^3 *10*; Q(α)=−1.06×10^3 *11* 2003Au03

^{101}Ag Levels

Cross Reference (XREF) Flags

A	^{101}Ag IT decay (3.10 s)	E	^{102}Pd(^{3}He,3npγ)
B	^{101}Cd ε decay	F	^{50}Cr(^{58}Ni,3p$\alpha\gamma$)
C	(HI,xnγ)	G	^{70}Ge(^{35}Cl,2n2pγ)
D	^{102}Pd(p,2nγ)		

E(level)	J$^\pi$[†]	T$_{1/2}$[‡]	XREF	Comments
0.0[#]	9/2$^+$	11.1 min *3*	ABCDEFG	%ε+%β^+=100 μ=5.627 *11* (1989Di12) μ: other: 5.74 *41* (1983Va09,2005St24). J$^\pi$: J=9/2 (1970Wa35) atomic beam; mass number inferred from 9 min *2* decay rate of silver isotope formed by 80 to 100 MeV on palladium target with chem. Measured μ establishes positive parity. T$_{1/2}$: unweighted av of 11.4 min *3* (1978Ha11), 10.8 min *2* (1967Do05), 11.2 min *1* (1966Pa14). Others: 1966Bu05, 1967Ba26.
98.00 *9*	(7/2)$^+$		ABCD	J$^\pi$: from M1(+E2) γ decay to 9/2$^+$ g.s. and E3 population from 1/2$^-$ isomeric state.
274.1 *3*	(1/2)$^-$	3.10 s *10*	AB D	%IT=100 T$_{1/2}$: unweighted av: 3.08 s *8* (1978Ha11), 3.12 s *12* (1975Ca01). J$^\pi$: 1/2$^-$ isomerism occurs in ^{103}Ag at 134 keV and in ^{105}Ag for g.s.
687.01[@] *9*	11/2$^+$	1.87 ps *21*	CDEFG	M1 γ to 9/2$^+$ g.s. fed by M1 γ from 13/2$^+$.
750.2 *3*	(3/2)$^-$		B D	J$^\pi$: M1 γ to (1/2)$^-$, not fed from (5/2$^+$).
797.3 *3*	(5/2)$^-$		B D	J$^\pi$: E2 γ to (1/2)$^-$, log *ft*=6.4 from (5/2$^+$).
861.40[#] *9*	13/2$^+$	8.1 ps *7*	CDEFG	J$^\pi$: M1 γ to 11/2$^+$ fed by M1 γ from 13/2$^+$.
960.9 *3*	(3/2,5/2)$^-$		B	J$^\pi$: M1,E2 γ to (1/2)$^-$, log *ft*=6.4 from (5/2$^+$).
1022.74 *16*	(5/2,7/2)$^+$		B	J$^\pi$: log *ft*=5.86 from (5/2$^+$) parent, M1,E2 γ to (7/2)$^+$, γ decay to 9/2$^+$.
1195.9 *3*	(5/2$^+$,7/2)		B	J$^\pi$: log *ft*=6.2 from (5/2$^+$) parent, γ decay to 9/2$^+$.
1285.3 *3*	(3/2)$^+$		B	J$^\pi$: E2 γ to 7/2$^+$.
1300.99 *16*	(5/2$^+$,7/2$^+$)		B	J$^\pi$: log *ft*=5.9 from (5/2$^+$) parent, γ decay to 9/2$^+$.
1324.6 *3*	(5/2$^+$,7/2)		B	J$^\pi$: log *ft*=6.0 from (5/2$^+$) parent, γ's to 9/2$^+$.
1357.3 *3*	(3/2$^+$,5/2$^+$,7/2$^+$)		B	J$^\pi$: log *ft*=5.8 from (5/2$^+$) parent, M1,E2 γ to (7/2)$^+$.
1417.52 *10*	(5/2,7/2)$^+$		B	J$^\pi$: log *ft*=5.5 from (5/2$^+$) parent, M1,E2 γ to 9/2$^+$.
1474.1 *5*	(3/2,5/2,7/2)		B D	J$^\pi$: log *ft*=6.6 from (5/2$^+$) parent.
1503.0 *5*			B D	
1573.35[@] *12*	15/2$^+$	1.46 ps *35*	CDEFG	J$^\pi$: M1 γ to 13/2$^+$, fed by M1 γ from 17/2$^+$.
1598.8 *6*	(1/2 to 7/2)$^+$		B	J$^\pi$: E1 γ to (3/2$^-$,5/2$^-$).
1690.7 *3*	(5/2$^+$,7/2)		B	J$^\pi$: log *ft*=6.0 from (5/2$^+$) parent, γ decay to 9/2$^+$.
1756.8 *3*	(15/2$^+$)		F	
1769.44[#] *12*	17/2$^+$	1.32 ps *14*	CDEFG	J$^\pi$: M1 γ to 15/2$^+$, fed by M1 γ from 17/2$^+$.
1783.4 *4*	(5/2$^+$,7/2$^+$)		B	J$^\pi$: log *ft*=6.05 from (5/2$^+$) parent, γ decay to 9/2$^+$.
1794.9 *4*	(3/2$^+$,5/2$^+$,7/2$^+$)		B	J$^\pi$: log *ft*=5.4 from (5/2$^+$) parent.
1820.70 *22*	(5/2$^+$,7/2$^+$)		B	J$^\pi$: log *ft*=5.3 from (5/2$^+$) parent, γ to 9/2$^+$.
1859.7 *4*			B	

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Adopted Levels, Gammas (continued)

^{101}Ag Levels (continued)

E(level)	J$^{\pi}$[†]	T$_{1/2}$[‡]	XREF	Comments
1894.6 *5*			B	
1990.1 *3*	(5/2$^+$,7/2$^+$)		B	J$^{\pi}$: log *ft*=5.5 from (5/2$^+$) parent,
2016.39[@] *12*	19/2$^+$	6.2 ps *7*	CDEFG	J$^{\pi}$: M1 γ to 17/2$^+$, fed by M1 γ from 19/2$^+$.
2058.9 *3*	(5/2$^+$,7/2$^+$)		B	J$^{\pi}$: log *ft*=5.5 from (5/2$^+$) parent,
2114.33[b] *18*	17/2	138 ps *5*	CD FG	J$^{\pi}$: From band.
2129.9 *3*	(5/2$^+$,7/2$^+$)		B	J$^{\pi}$: log *ft*=5.5 from (5/2$^+$) parent,
2153.3 *6*			B	
2154.5 *5*			B D	
2243.8 *4*			B	
2269.6 *6*			B	
2308.1 *6*			B	
2387.1 *5*			B	
2391.4 *3*	(5/2$^+$,7/2$^+$)		B	J$^{\pi}$: log *ft*=5.4 from (5/2$^+$) parent,
2430.1 *4*	(3/2$^+$,5/2$^+$,7/2$^+$)		B	log *ft*=5.0 from (5/2$^+$) parent.
2447.6 *8*			C	
2455.0 *4*	(3/2$^+$,5/2$^+$,7/2$^+$)		B	log *ft*=5.4 from (5/2$^+$) parent.
2621.02[#] *13*	21/2$^+$	0.42 ps *7*	CD FG	J$^{\pi}$: M1 γ to 19/2$^+$, fed from 23/2.
2679.8 *6*	(3/2$^+$,5/2$^+$,7/2$^+$)		B	log *ft*=5.1 from (5/2$^+$) parent.
2787.7 *4*	(3/2$^+$,5/2$^+$,7/2$^+$)		B	log *ft*=4.9 from (5/2$^+$) parent.
2875.6 *4*	(5/2$^+$,7/2$^+$)		B	log *ft*=5.1 from (5/2$^+$) parent.
2909.1 *5*	(3/2$^+$,5/2$^+$,7/2$^+$)		B	log *ft*=5.5 from (5/2$^+$) parent.
2921.01 *13*	(21/2$^+$)		C FG	
2940.0 *4*	(5/2$^+$)		B	log *ft*=4.9 from (5/2$^+$) parent.
2943.7 *6*	(3/2$^+$,5/2$^+$,7/2$^+$)		BC	log *ft*=5.0 from (5/2$^+$) parent.
2955.98[@] *14*	(23/2$^+$)	1.25 ps *21*	C FG	J$^{\pi}$: 335 γ to 21/2$^+$, fed from 23/2.
3006.3 *6*	(3/2$^+$,5/2$^+$,7/2$^+$)		B	log *ft*=5.5 from (5/2$^+$) parent.
3010.20 *16*			C	
3162.5 *6*	(3/2$^+$,5/2$^+$,7/2$^+$)		B	log *ft*=5.3 from (5/2$^+$) parent.
3187.69 *19*			C FG	
3209.21[b] *17*	21/2	0.83 ps *7*	C FG	
3228.8 *6*	(3/2$^+$,5/2$^+$,7/2$^+$)		B	log *ft*=5.7 from (5/2$^+$) parent.
3259.5 *5*	(3/2$^+$,5/2$^+$,7/2$^+$)		B	log *ft*=4.3 from (5/2$^+$) parent.
3373.46 *22*			C FG	
3380.4 *6*	(3/2$^+$,5/2$^+$,7/2$^+$)		B	log *ft*=5.3 from (5/2$^+$) parent.
3400.4 *8*	(3/2$^+$,5/2$^+$,7/2$^+$)		B	log *ft*=5.1 from (5/2$^+$) parent.
3430.4 *5*	(3/2$^+$,5/2$^+$,7/2$^+$)		B	log *ft*=5.3 from (5/2$^+$) parent.
3577.81[#] *15*	(25/2$^+$)	<1.39 ps	C FG	J$^{\pi}$: 621 γ to 23/2.
3614.56 *19*			C FG	
3795.86 *17*			C FG	
3800.67[b] *17*	23/2		C FG	
3869.27[a] *14*	(23/2$^-$)	7.9 ps *8*	C FG	
4158.62[@] *16*	(27/2$^+$)	<1.73 ps	C FG	
4216.22[&] *16*	(25/2$^-$)	0.76 ps *14*	C FG	
4314.13[b] *24*	25/2		C FG	
4571.57[#] *17*	(29/2$^+$)	9.7 ps *7*	C FG	
4585.5 *6*			F	
4749.14[a] *18*	(27/2$^-$)	0.76 ps *7*	C FG	
4789.5 *3*			F	
4801.13 *22*			F	
4841.6 *3*			F	
5134.19[&] *18*	(29/2$^-$)	0.58 ps *6*	C FG	
5159.6			F	
5183.8			F	

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Adopted Levels, Gammas (continued)

^{101}Ag Levels (continued)

E(level)	J^π†	$T_{1/2}$‡	XREF	E(level)	J^π†	$T_{1/2}$‡	XREF
5299.58[@] *18*	(31/2$^+$)	≤1.18 ps	C FG	6917.5[a] *3*	(35/2$^-$)	0.125 ps *35*	C FG
5678.36[a] *20*	(31/2$^-$)	0.284 ps *35*	C FG	7393.5[&] *3*	(37/2$^-$)	≤0.90 ps	C FG
5755.1			F	7411.0			F
5976.9			F	7810.0			F
5984.0			F	8346.1			F
6196.81[&] *21*	(33/2$^-$)	0.208 ps *28*	C FG	8547.3[&] *4*	(41/2$^-$)		C FG
6307.7			F	9629.4			F
6481.9			F	9635.3			F
6599.3			F	10706.3			F

† J^π without comments are based on band assignments, γ mult. and decay patterns.
‡ From 2001Ga49, unless otherwise noted.
# Band(A): g.s. band, α=+1/2.
@ Band(a): g.s. band, α=−1/2.
& Band(B): band based on 23/2$^{(-)}$, α=+1/2.
a Band(b): band based on 23/2$^{(-)}$, α=−1/2.
b Band(C): Level sequence above 15/2$^+$.

Adopted Levels, Gammas (continued)

$\gamma(^{101}Ag)$

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[‡]	δ	α[#]	Comments
98.00	$(7/2)^+$	98.0 *1*	100	0.0	$9/2^+$	M1+E2	0.39 *5*	0.59 *3*	Mult.: From α(K)exp=0.47 *5* in IT decay, 0.56 *9* in ε decay and K/L=6.0 *3* in ε decay. K/LM=3.9 in IT decay is discrepant.
274.1	$(1/2)^-$	176.2 *5*	100	98.00	$(7/2)^+$	E3		1.113	α(K)exp=0.069 *7* B(E3)(W.u.)=0.0580 *24* K/(L+M)= 2.6 *2* (1970Hn03).
687.01	$11/2^+$	687.0 *1*	100	0.0	$9/2^+$	M1+E2	0.43 *+12−15*		B(M1)(W.u.)=0.031 *5*; B(E2)(W.u.)=11 *6*
750.2	$(3/2)^-$	475.9 *2*	100	274.1	$(1/2)^-$	D			
797.3	$(5/2)^-$	47.0 *3*	100	750.2	$(3/2)^-$				
		523.4 *5*	100	274.1	$(1/2)^-$	E2			
861.40	$13/2^+$	174.4 *1*	15 *4*	687.01	$11/2^+$	D(+Q)	0.09 *+11−10*		
		861.4 *1*	100	0.0	$9/2^+$	E2			B(E2)(W.u.)=4.6 *5* Mult.: $\gamma(\theta)$ gives Q. RUL rules out M2.
960.9	$(3/2,5/2)^-$	163.5 *3*	3.3 *7*	797.3	$(5/2)^-$				
		210.5 *3*	3.3 *7*	750.2	$(3/2)^-$				
		687.0 *3*	100 *20*	274.1	$(1/2)^-$	M1,E2			
1022.74	$(5/2,7/2)^+$	924.7 *3*	100 *20*	98.00	$(7/2)^+$	M1,E2			
		1022.7 *3*	32 *6*	0.0	$9/2^+$				
1195.9	$(5/2^+,7/2)$	234.9 *5*	20 *4*	960.9	$(3/2,5/2)^-$				
		1098.0 *5*	67 *13*	98.00	$(7/2)^+$				
		1196.0 *5*	100 *20*	0.0	$9/2^+$				
1285.3	$(3/2)^+$	487.8 *5*	5.1 *10*	797.3	$(5/2)^-$				
		534.8 *5*	6.8 *14*	750.2	$(3/2)^-$				
		1011.3 *5*	14 *3*	274.1	$(1/2)^-$				
		1187.4 *5*	100 *20*	98.00	$(7/2)^+$	(E2)			
1300.99	$(5/2^+,7/2^+)$	278.24 *5*	8.7 *17*	1022.74	$(5/2,7/2)^+$				
		1203.1 *5*	100 *20*	98.00	$(7/2)^+$				
		1301.1 *5*	5.8 *12*	0.0	$9/2^+$				
1324.6	$(5/2^+,7/2)$	1226.7 *5*	39 *8*	98.00	$(7/2)^+$				
		1324.6 *5*	100 *20*	0.0	$9/2^+$				
1357.3	$(3/2^+,5/2^+,7/2^+)$	1259.3 *8*	100	98.00	$(7/2)^+$	M1,E2			
1417.52	$(5/2,7/2)^+$	394.6 *5*	6.5 *13*	1022.74	$(5/2,7/2)^+$				
		1319.52 *5*	33 *7*	98.00	$(7/2)^+$				
		1417.1 *8*	100 *20*	0.0	$9/2^+$	M1,E2			
1474.1	(3/2,5/2,7/2)	677.4 *5*	100	797.3	$(5/2)^-$				
1503.0		706.2 *5*	100	797.3	$(5/2)^-$				
1573.35	$15/2^+$	712.0 *1*	100 *10*	861.40	$13/2^+$	D(+Q)	0.01 *+11−10*		
		886.1 *4*	20 *3*	687.01	$11/2^+$				
1598.8	(1/2 to 7/2)$^+$	637.9 *5*	100	960.9	$(3/2,5/2)^-$	E1			
1690.7	$(5/2^+,7/2)$	366.1 *5*	4.2 *8*	1324.6	$(5/2^+,7/2)$				
		405.2 *5*	18 *4*	1285.3	$(3/2)^+$				
		1592.6 *5*	54 *11*	98.00	$(7/2)^+$				
		1690.9 *5*	100 *20*	0.0	$9/2^+$				

$^{101}_{47}Ag_{54}$-4

Adopted Levels, Gammas (continued)

γ(^{101}Ag) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[‡]	δ	α[#]	Comments
1756.8	(15/2$^+$)	183.5 *3*	24 *12*	1573.35	15/2$^+$				
		895.4 *3*	100 *12*	861.40	13/2$^+$				
		1069.8 *3*	30 *6*	687.01	11/2$^+$				
1769.44	17/2$^+$	196.0 *1*	21 *3*	1573.35	15/2$^+$	D+Q		0.0666	
		908.0 *1*	100 *10*	861.40	13/2$^+$	(E2)			B(E2)(W.u.)=20 *4* Mult.: γ(θ) gives Q. RUL rules out M2.
1783.4	(5/2$^+$,7/2$^+$)	1685.7 *5*	100 *20*	98.00	(7/2)$^+$				
		1783.1 *5*	47 *9*	0.0	9/2$^+$				
1794.9	(3/2$^+$,5/2$^+$,7/2$^+$)	493.8 *8*	9.9 *20*	1300.99	(5/2$^+$,7/2$^+$)				
		1696.7 *5*	100 *20*	98.00	(7/2)$^+$				
1820.70	(5/2$^+$,7/2$^+$)	403.2 *5*	1.7 *3*	1417.52	(5/2,7/2)$^+$				
		798.0 *5*	1.7 *3*	1022.74	(5/2,7/2)$^+$				
		1722.5 *5*	100 *20*	98.00	(7/2)$^+$				
		1820.6 *5*	2.9 *6*	0.0	9/2$^+$				
1859.7		1761.7 *5*	27 *6*	98.00	(7/2)$^+$				
		1859.7 *5*	100 *20*	0.0	9/2$^+$				
1894.6		1796.6 *5*	100	98.00	(7/2)$^+$				
1990.1	(5/2$^+$,7/2$^+$)	704.8 *6*	100 *20*	1285.3	(3/2)$^+$				
		1892.0 *5*	53 *11*	98.00	(7/2)$^+$				
		1990.2 *5*	73 *15*	0.0	9/2$^+$				
2016.39	19/2$^+$	246.90 *3*	100	1769.44	17/2$^+$	M1+E2	−0.01 *+3−8*		B(M1)(W.u.)=0.24 *3*; B(E2)(W.u.)=0.4 *+22−4*
		444		1573.35	15/2$^+$				
2058.9	(5/2$^+$,7/2$^+$)	701.6 *5*	26 *5*	1357.3	(3/2$^+$,5/2$^+$,7/2$^+$)				
		757.7 *5*	12.0 *24*	1300.99	(5/2$^+$,7/2$^+$)				
		1960.9 *5*	100 *20*	98.00	(7/2)$^+$				
		2059.0 *5*	6.0 *12*	0.0	9/2$^+$				
2114.33	17/2	541.5 *2*	100	1573.35	15/2$^+$				
2129.9	(5/2$^+$,7/2$^+$)	309.1 *5*	75 *15*	1820.70	(5/2$^+$,7/2$^+$)				
		334.7 *5*	18 *4*	1794.9	(3/2$^+$,5/2$^+$,7/2$^+$)				
		772.4 *5*	34 *7*	1357.3	(3/2$^+$,5/2$^+$,7/2$^+$)				
		1108.3 *9*	17 *3*	1022.74	(5/2,7/2)$^+$				
		1331.8 *8*	100 *20*	797.3	(5/2)$^-$				
		2032.5 *8*	17 *3*	98.00	(7/2)$^+$				
		2130.0 *5*	55 *11*	0.0	9/2$^+$				
2153.3		796.0 *5*	100	1357.3	(3/2$^+$,5/2$^+$,7/2$^+$)				
2154.5		652.8 *8*	93 *20*	1503.0					
		682.0 *8*	100 *20*	1474.1	(3/2,5/2,7/2)				
		2055.4 *5*	100	98.00	(7/2)$^+$				
2243.8		2146.0 *5*	27 *6*	98.00	(7/2)$^+$				
		2243.5 *5*	100 *20*	0.0	9/2$^+$				
2269.6		1308.7 *5*	100	960.9	(3/2,5/2)$^-$				
2308.1		1285.4 *5*	100	1022.74	(5/2,7/2)$^+$				
2387.1		969.6 *5*	100	1417.52	(5/2,7/2)$^+$				

$^{101}_{47}Ag_{54}$-5

Adopted Levels, Gammas (continued)

γ(^{101}Ag) (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[†]	E_f	J^π_f	Mult.[‡]	δ
2391.4	(5/2$^+$,7/2$^+$)	570.7 *5*	19.2	1820.70	(5/2$^+$,7/2$^+$)		
		974.1 *5*	100	1417.52	(5/2,7/2)$^+$		
		2293.3 *5*	15.4	98.00	(7/2)$^+$		
		2391.2 *5*	15.4	0.0	9/2$^+$		
2430.1	(3/2$^+$,5/2$^+$,7/2$^+$)	609.1 *8*	74 *15*	1820.70	(5/2$^+$,7/2$^+$)	M1,E2	
		635.0 *8*	19 *4*	1794.9	(3/2$^+$,5/2$^+$,7/2$^+$)		
		1072.0 *8*	11 *2*	1357.3	(3/2$^+$,5/2$^+$,7/2$^+$)		
		1130.0 *8*	19 *4*	1300.99	(5/2$^+$,7/2$^+$)		
		1408.4 *10*	15 *3*	1022.74	(5/2,7/2)$^+$		
		1632.4 *10*	100 *20*	797.3	(5/2)$^-$		
2447.6		678.2 *8*	100	1769.44	17/2$^+$		
2455.0	(3/2$^+$,5/2$^+$,7/2$^+$)	1098.0 *5*	80 *16*	1357.3	(3/2$^+$,5/2$^+$,7/2$^+$)		
		1153.8 *5*	100 *20*	1300.99	(5/2$^+$,7/2$^+$)		
2621.02	21/2$^+$	604.3 *1*	100 *4*	2016.39	19/2$^+$	D(+Q)	0.03 *+4−6*
		852.0 *1*	33 *3*	1769.44	17/2$^+$		
2679.8	(3/2$^+$,5/2$^+$,7/2$^+$)	690.0 *8*	36 *7*	1990.1	(5/2$^+$,7/2$^+$)		
		1656.8 *8*	100 *20*	1022.74	(5/2,7/2)$^+$		
2787.7	(3/2$^+$,5/2$^+$,7/2$^+$)	728.8 *5*	100 *20*	2058.9	(5/2$^+$,7/2$^+$)	M1,E2	
		1430.7 *5*	65 *13*	1357.3	(3/2$^+$,5/2$^+$,7/2$^+$)		
		1990.2 *5*	59 *12*	797.3	(5/2)$^-$		
2875.6	(5/2$^+$,7/2$^+$)	445.3 *8*	58 *12*	2430.1	(3/2$^+$,5/2$^+$,7/2$^+$)		
		1853.0 *5*	67 *13*	1022.74	(5/2,7/2)$^+$		
		2777.1 *10*	100 *20*	98.00	(7/2)$^+$		
		2875.7 *5*	42 *8*	0.0	9/2$^+$		
2909.1	(3/2$^+$,5/2$^+$,7/2$^+$)	1491.6 *5*	100	1417.52	(5/2,7/2)$^+$		
2921.01	(21/2$^+$)	904.6 *1*	100 *20*	2016.39	19/2$^+$		
		1151.5 *1*	30 *7*	1769.44	17/2$^+$		
2940.0	(5/2$^+$)	2189.7 *8*	16 *3*	750.2	(3/2)$^-$		
		2841.9 *5*	100 *20*	98.00	(7/2)$^+$		
		2940.0 *5*	10.8 *22*	0.0	9/2$^+$		
2943.7	(3/2$^+$,5/2$^+$,7/2$^+$)	1586.8 *8*	100 *20*	1357.3	(3/2$^+$,5/2$^+$,7/2$^+$)		
		1642.4 *8*	67 *13*	1300.99	(5/2$^+$,7/2$^+$)		
2955.98	(23/2$^+$)	335.1 *1*	40.8 *18*	2621.02	21/2$^+$		
		939.5 *1*	100 *22*	2016.39	19/2$^+$		
3006.3	(3/2$^+$,5/2$^+$,7/2$^+$)	1983.5 *5*	100	1022.74	(5/2,7/2)$^+$		
3010.20		993.8 *1*	100	2016.39	19/2$^+$		
3162.5	(3/2$^+$,5/2$^+$,7/2$^+$)	2139.2 *8*	100 *20*	1022.74	(5/2,7/2)$^+$		
		3064.9 *8*	44 *9*	98.00	(7/2)$^+$		
3187.69		1171.0 *2*	100	2016.39	19/2$^+$		
3209.21	21/2	1095.0 *1*	100	2114.33	17/2		
3228.8	(3/2$^+$,5/2$^+$,7/2$^+$)	2431.5 *5*	100	797.3	(5/2)$^-$		
3259.5	(3/2$^+$,5/2$^+$,7/2$^+$)	1842.0 *5*	100	1417.52	(5/2,7/2)$^+$		
3373.46		1603.92 *17*	100 *18*	1769.44	17/2$^+$		

$^{101}_{47}$Ag$_{54}$-6

Adopted Levels, Gammas (continued)

γ(^{101}Ag) (continued)

E_i(level)	J_i^π	E_γ †	I_γ †	E_f	J_f^π
3380.4	(3/2$^+$,5/2$^+$,7/2$^+$)	950.3 *5*	100	2430.1	(3/2$^+$,5/2$^+$,7/2$^+$)
3400.4	(3/2$^+$,5/2$^+$,7/2$^+$)	1801.6 *5*	100	1598.8	(1/2 to 7/2)$^+$
3430.4	(3/2$^+$,5/2$^+$,7/2$^+$)	2012.9 *5*	100	1417.52	(5/2,7/2)$^+$
3577.81	(25/2$^+$)	621.90 *7*	100 *4*	2955.98	(23/2$^+$)
		956.59 *11*	48 *3*	2621.02	21/2$^+$
3614.56		241.10 *10*	100 *10*	3373.46	
		1845.02 *15*	29 *8*	1769.44	17/2$^+$
3795.86		181.35 *9*	100 *8*	3614.56	
		422.45 *13*	29 *9*	3373.46	
		586.38 *15*	64 *9*	3209.21	21/2
		1779.34 *12*	15.4 *22*	2016.39	19/2$^+$
3800.67	23/2	591.5 *1*	100	3209.21	21/2
3869.27	(23/2$^-$)	73.51 *9*	50 *4*	3795.86	
		681.33 *9*	32.1 *22*	3187.69	
		913.30 *8*	73 *4*	2955.98	(23/2$^+$)
		948.28 *8*	100 *5*	2921.01	(21/2$^+$)
		1247.99 *11*	16.4 *16*	2621.02	21/2$^+$
4158.62	(27/2$^+$)	580.7 *1*	22 *8*	3577.81	(25/2$^+$)
		1202.7 *1*	100 *8*	2955.98	(23/2$^+$)
4216.22	(25/2$^-$)	346.9 *1*	100 *4*	3869.27	(23/2$^-$)
		415.6 *1*	18 *2*	3800.67	23/2
4314.13	25/2	513.4 *2*	100	3800.67	23/2
4571.57	(29/2$^+$)	412.9 *1*	22 *3*	4158.62	(27/2$^+$)
		993.8 *1*	100 *8*	3577.81	(25/2$^+$)
4585.5		1007.3 *3*	1.8 *2*	3577.81	(25/2$^+$)
4749.14	(27/2$^-$)	434.80 *16*	10.6 *9*	4314.13	25/2
		532.83 *9*	100.0 *23*	4216.22	(25/2$^-$)
		879.81 *12*	25.6 *14*	3869.27	(23/2$^-$)
4789.5		630.8 *3*	100	4158.62	(27/2$^+$)
4801.13		642.40 *17*	100 *6*	4158.62	(27/2$^+$)
		1223.19 *17*	46 *4*	3577.81	(25/2$^+$)
4841.6		527.2 *3*	100	4314.13	25/2
5134.19	(29/2$^-$)	384.9 *1*	100 *4*	4749.14	(27/2$^-$)
		918.1 *1*	32 *2*	4216.22	(25/2$^-$)
5159.6		574.4 *3*	100	4585.5	
5183.8		342.2 *3*	100	4841.6	
5299.58	(31/2$^+$)	498.59 *17*	9.3 *21*	4801.13	
		728.03 *8*	100 *4*	4571.57	(29/2$^+$)
		1140.99 *10*	42 *3*	4158.62	(27/2$^+$)
5678.36	(31/2$^-$)	544.0 *1*	100 *5*	5134.19	(29/2$^-$)
		929.5 *4*	11 *3*	4749.14	(27/2$^-$)
5755.1		954.0 *3*	100	4801.13	
5976.9		793.1 *3*	9.5 *24*	5183.8	

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Adopted Levels, Gammas (continued)

γ(^{101}Ag) (continued)

E_i(level)	J_i^π	E_γ †	I_γ †	E_f	J_f^π
5976.9		842.81 *23*	100 *5*	5134.19	(29/2$^-$)
		1135.3 *3*	7.1 *24*	4841.6	
5984.0		684.30 *23*	100 *8*	5299.58	(31/2$^+$)
		1182.90 *23*	32 *5*	4801.13	
6196.81	(33/2$^-$)	518.3 *1*	100 *6*	5678.36	(31/2$^-$)
		1063.2 *2*	21 *3*	5134.19	(29/2$^-$)
6307.7		1008.0 *3*	100	5299.58	(31/2$^+$)
6481.9		505.03 *25*	100	5976.9	
6599.3		402.84 *18*	55 *9*	6196.81	(33/2$^-$)
		1465.21 *19*	100 *9*	5134.19	(29/2$^-$)
6917.5	(35/2$^-$)	317.95 *19*	3.4 *8*	6599.3	
		435.33 *25*	4.2 *8*	6481.9	
		720.78 *12*	100 *4*	6196.81	(33/2$^-$)
6917.5	(35/2$^-$)	1239.13 *14*	48.4 *25*	5678.36	(31/2$^-$)
7393.5	(37/2$^-$)	475.9 *2*	100 *10*	6917.5	(35/2$^-$)
		1196.9 *3*	54 *10*	6196.81	(33/2$^-$)
7411.0		1427.0 *3*	100	5984.0	
7810.0		1328.1 *3*	100	6481.9	
8346.1		952.9 *3*	100 *10*	7393.5	(37/2$^-$)
		1428.79 *25*	35 *10*	6917.5	(35/2$^-$)
8547.3	(41/2$^-$)	200.9 *3*	19.0 *24*	8346.1	
		1153.8 *2*	100	7393.5	(37/2$^-$)
9629.4		1082.4 *3*	100	8547.3	(41/2$^-$)
9635.3		1088.3 *3*	100	8547.3	(41/2$^-$)
10706.3		1071.0 *3*	100	9635.3	

† Weighted average of all available data.
‡ From α(K) exp in ^{101}Cd ε decay and IT decay and in-beam studies.
# 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.

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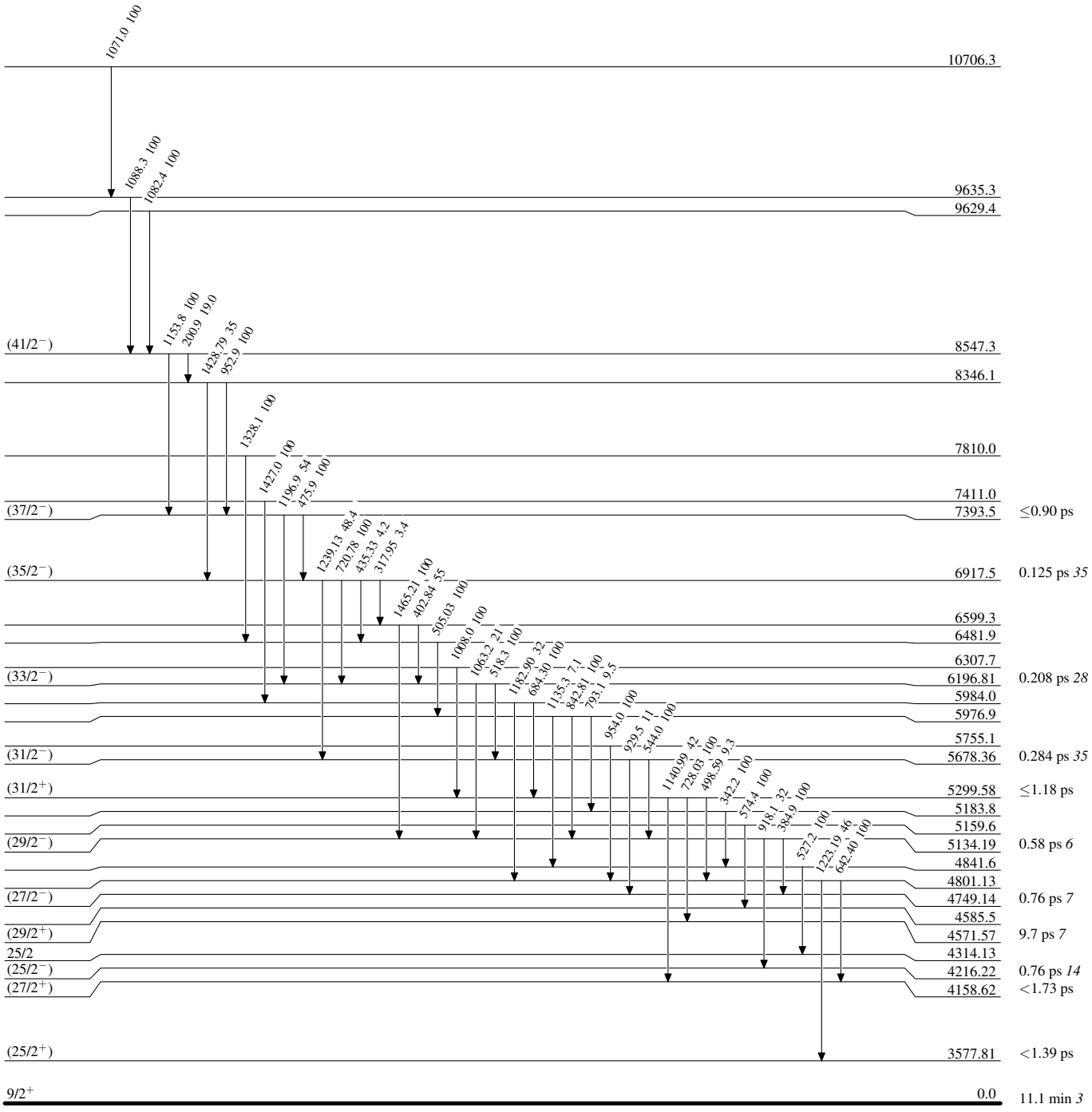
Adopted Levels, Gammas

Level Scheme

Intensities: Relative photon branching from each level

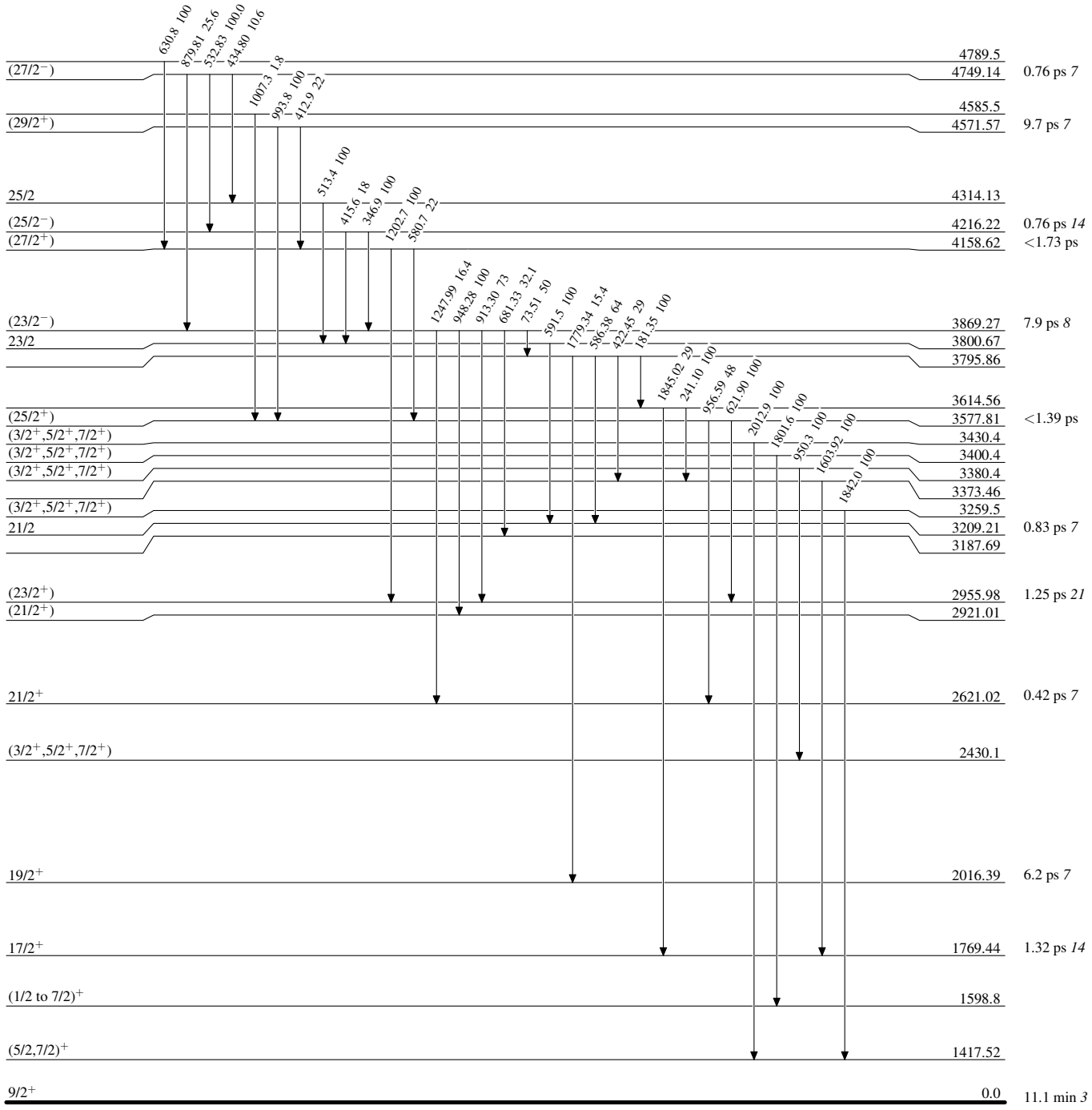


$^{101}_{47}Ag_{54}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

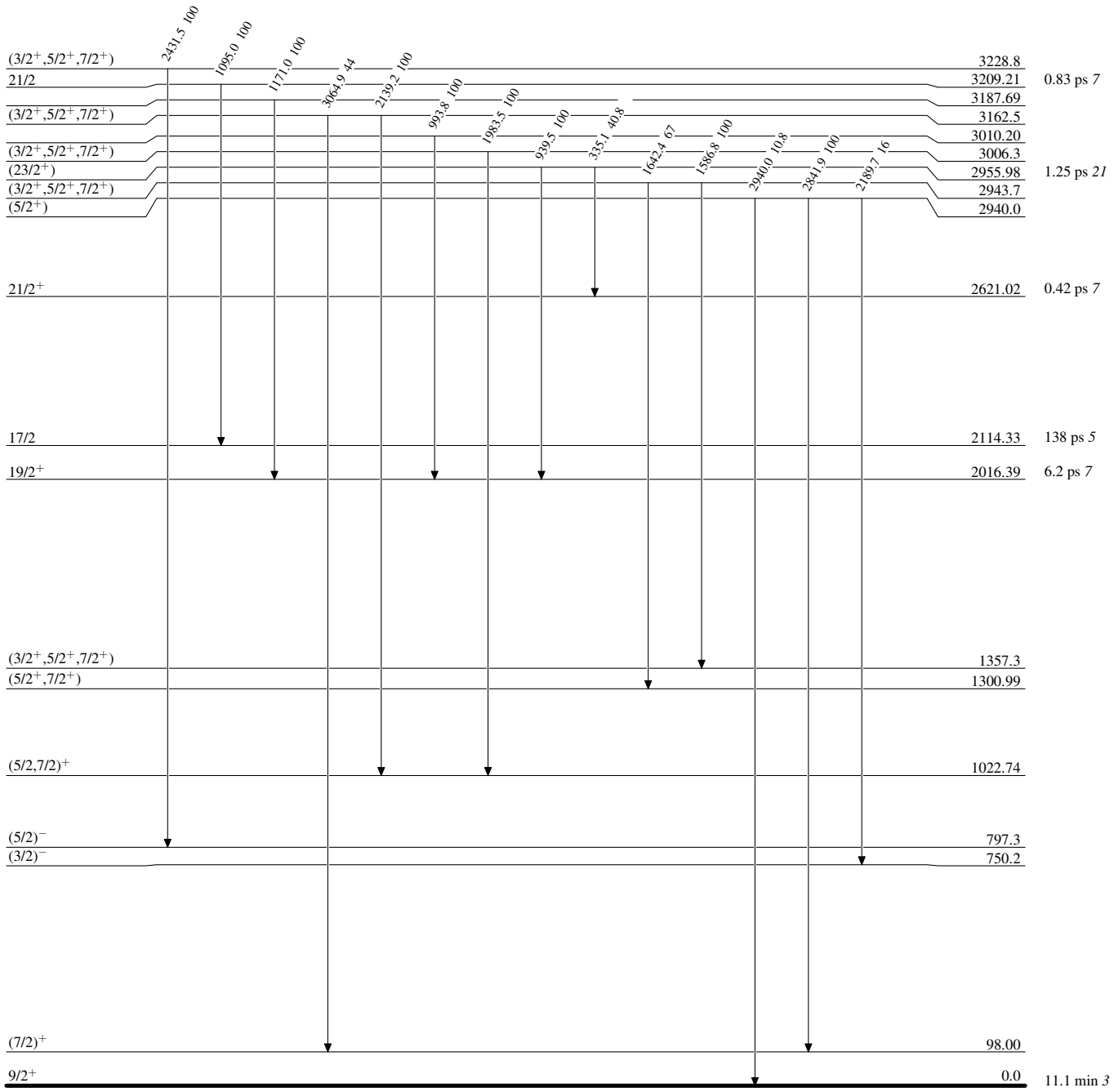


$^{101}_{47}Ag_{54}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

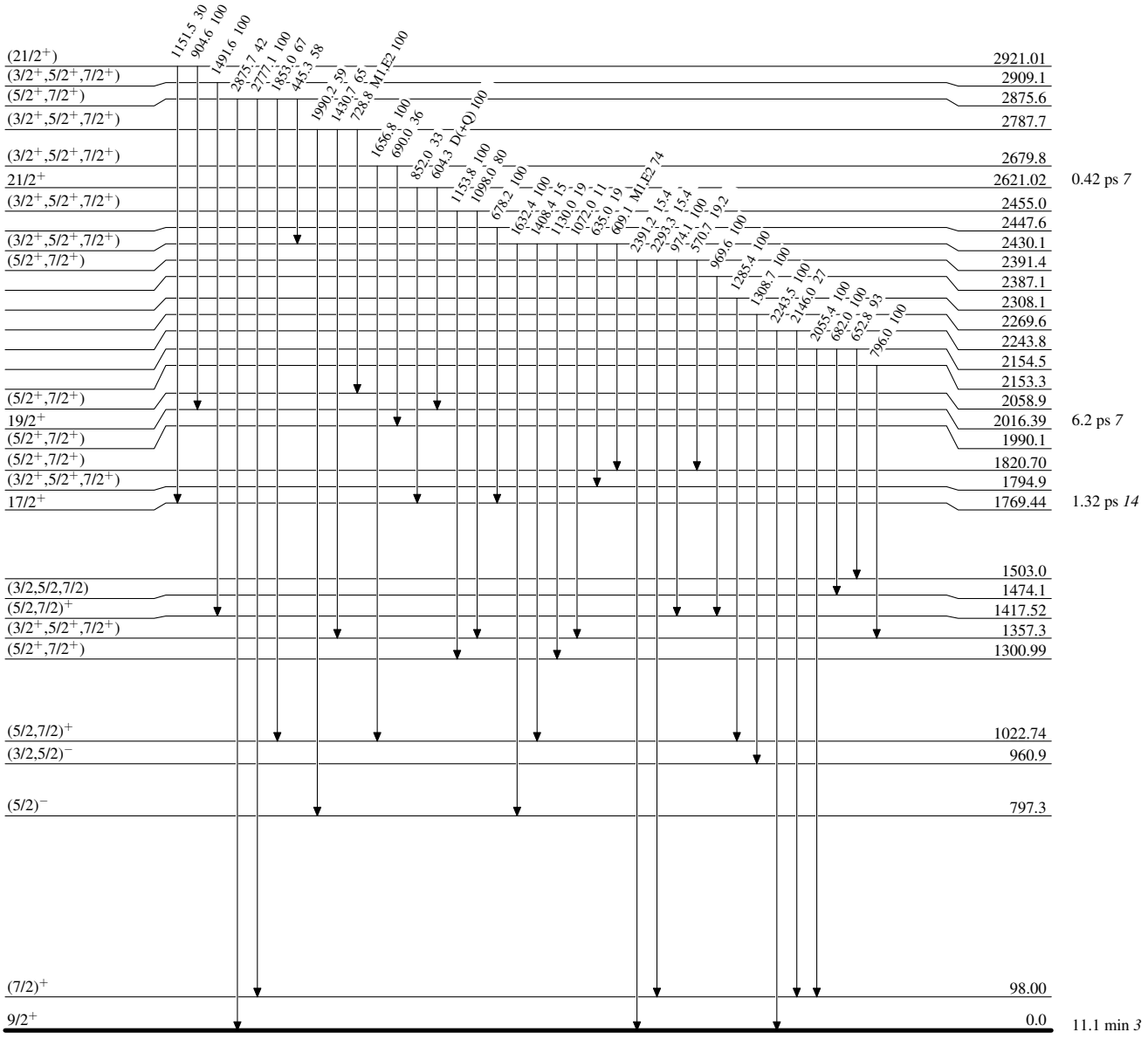


$^{101}_{47}Ag_{54}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

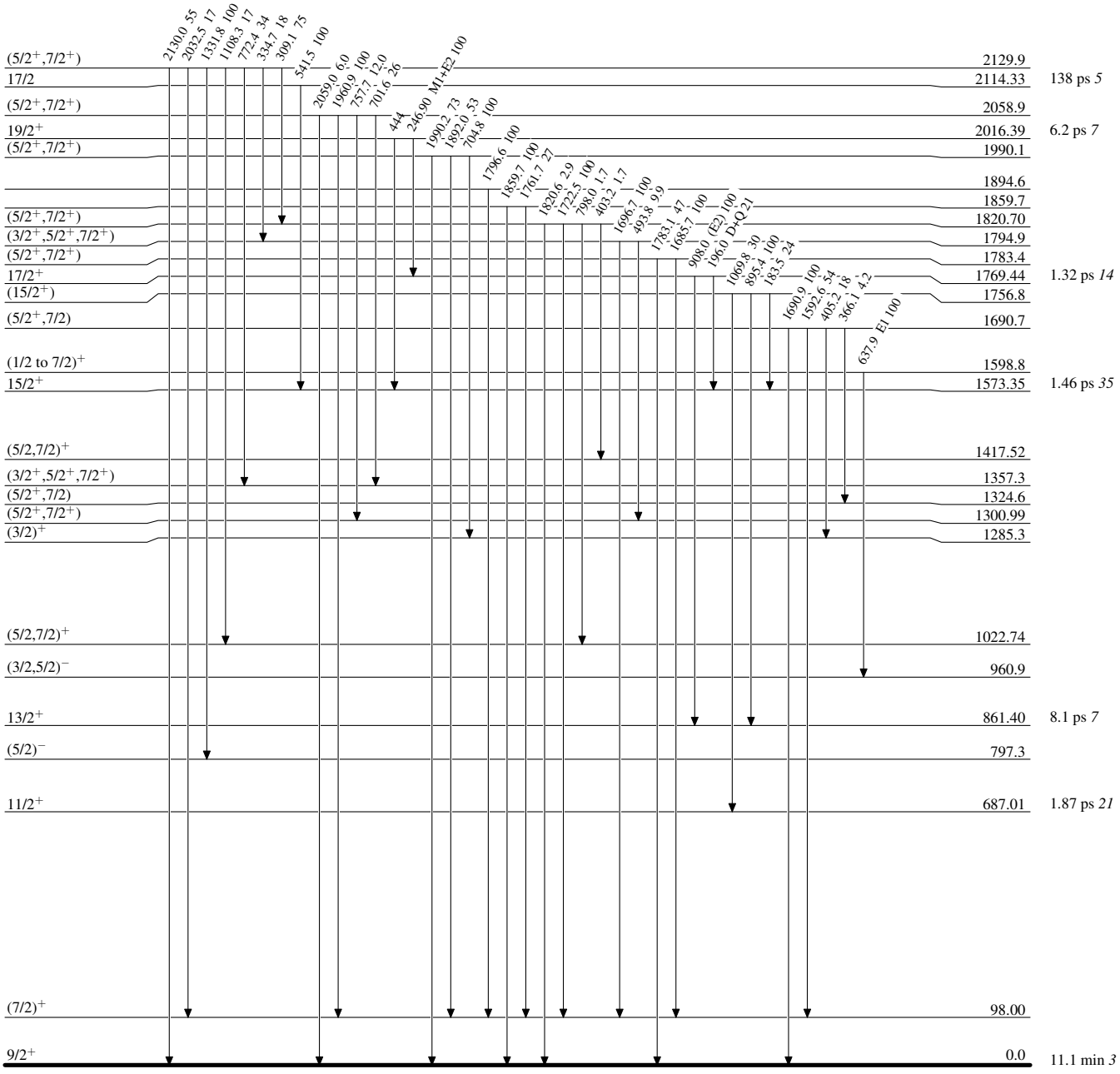


$^{101}_{47}Ag_{54}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

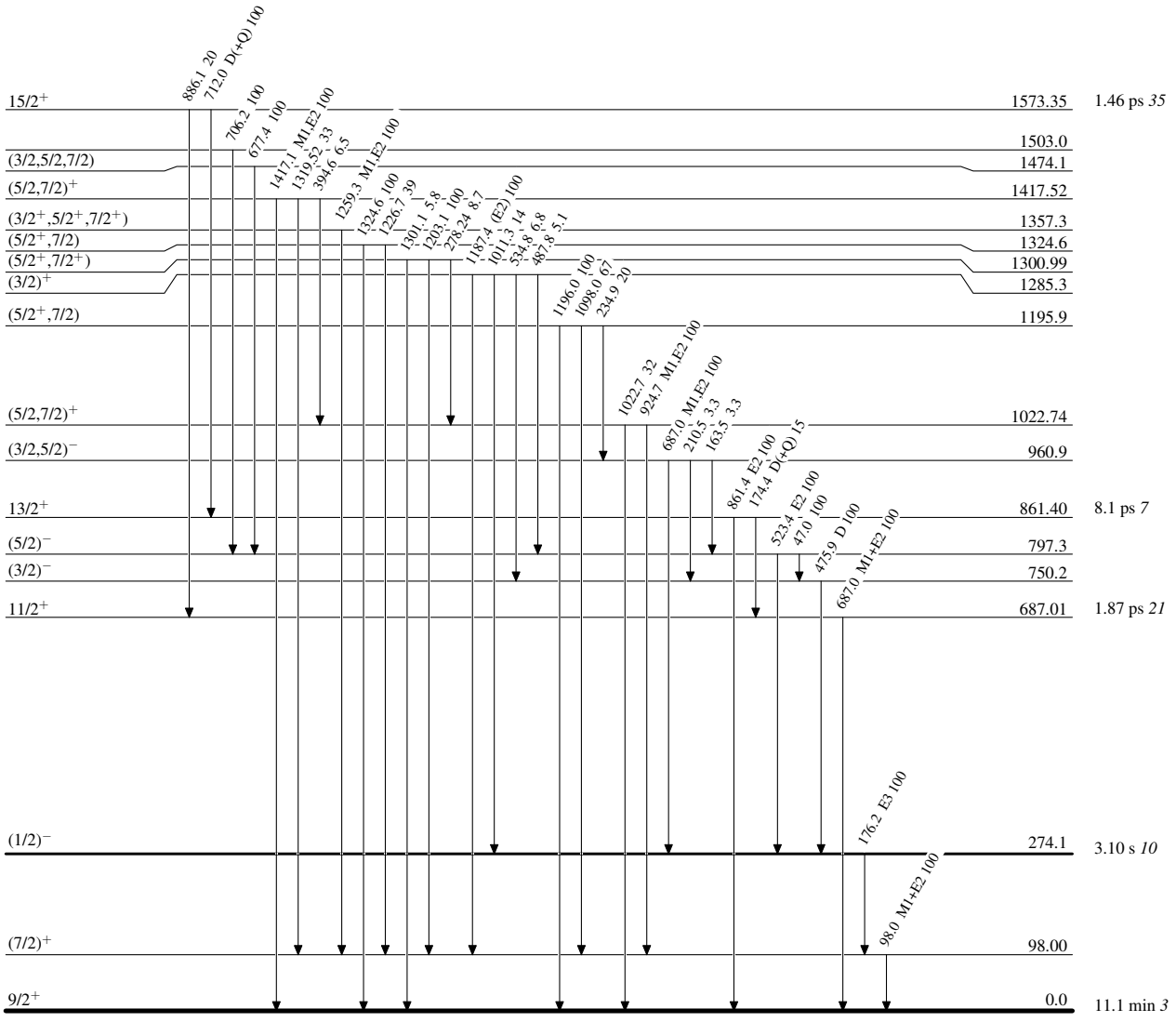


$^{101}_{47}Ag_{54}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level



$^{101}_{47}Ag_{54}$

Adopted Levels, Gammas