Adopted Levels, Gammas

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong and Kang Mengxiao	NDS 133, 221 (2016)	1-Dec-2015

Q(β^-)=1372.9 *5*; S(n)=6512.34 *9*; S(p)=6449.0 *6*; Q(α)=526.9 *20* 2012Wa38
S(n)=6512.26 *10* (1989Ma11), 6512.48 *6* (1996Ma70,1996Ma75) measured.
See ^{197}Au(n,γ): Res: C_6D_6, TAC datasets for energies and parameters of neutron resonances from 0.00491-5.0122 keV.
^{197}Au(n,γ) E=res: 2010Ma18 (resonances from 0.00491-5.0122 keV).

^{198}Au Levels

For Bose-Fermi symmetry scheme theory, see 1986Ba55.
For neutron resonance parameters, see 1984MuZY, 2010Ma18.

Cross Reference (XREF) Flags

A	^{198}Au IT decay (2.272 d)	F	^{197}Au(n,γ):res:C6D6	K	^{197}Au(d,p)
B	^{195}Pt(α,p)	G	^{197}Au(n,γ) E=res:primary	L	^{197}Au(α,2pn)
C	^{196}Pt(α,np)	H	^{197}Au(n,γ) E=2 keV	M	^{198}Pt(d,2nγ)
D	^{197}Au(n,γ) E=thermal	I	^{197}Au(n,γ) E=2,24 keV: sec	N	^{198}Pt(^{3}He,t)
E	^{197}Au(n,γ):res:tac	J	^{197}Au(n,γ) E=24 keV		

E(level)†	J$^\pi$#	$T_{1/2}$a	XREF	Comments
0.0	2$^-$	2.6941 d *2*	A D GHIJK M	%β^-=100 μ=+0.5934 *4* (1967Va16,2011StZZ) Q=+0.64 *2* (1993Hi10,2011StZZ) No ε observed. For log $f^{1u}t$>8.5, expected for the branch to g.s., %ε<0.04. <r^2>$^{1/2}$=5.439 fm *4* (2004An14). μ: Atomic Beam Magnetic Resonance/Direct moment measurement (AB/D, 1967Va16). Other: +0.64 *2* (1990Sa21, Laser Resonance Ionisation Mass Spectroscopy(LRIMS)). Q: Nuclear Magnetic Resonance on Oriented Nuclei(NMR/ON) and ^{193}Au standard (1993Hi10). Others: +0.68 *2* (1988Ed01, NMR/ON; ^{197}Au standard), 0.76 *4* (1984Ha03, NMR/ON, Nuclear Magnetic Resonance(NMR); ^{197}Au standard), 0.88 *8* (1985Ka16, NMR; ^{197}Au standard), +0.69 *4* (1983He26,1984Ha03, Static Nuclear Orientation with gamma detection(NO/S), NMR/ON; ^{199}Au standard), +0.46 *2* (1983He26,1983Pe22). Mossbauer Effect (ME), NO/S; ^{197}Au standard). J$^\pi$: J=2 from atomic beam (1976Fu06) and π=− from L=3 in (d,p) and E1 primary γ from 1$^+$ capture state in ^{197}Au(n,γ) E=thermal. $T_{1/2}$: Weighted average of 2.697 d *3* (1953Lo09), 2.699 d *3* (1954Be61), 2.686 d *5* (1955To07), 2.697 d *5* (1956Jo24), 2.694 d *6* (1956Sa75), 2.704 d *4* (1958Ke26), 2.699 d *4* (1960Ro22), 2.687 d *5* (1964St20), 2.694 d *4* (1965An07), 2.695 d *7* (1968Go22), 2.697 d *5* (1968La10), 2.693 d *5* (1968Re04), 2.695 d *2* (1969Vu04,1983LoZV), 2.6946 d *10* (1970Ca09), 2.696 d *4* (1970Co14), 2.693 d *3* (1971De11), 2.6935 d *4* (1980RuZV), 2.6966 d *7* (1990Ab02), 2.6837 d *50* (1994Mi03), 2.6924 d *11* (2005Li66), 2.6948 d *5* (2006No10), 2.6971 d *20* (2008Ku09), 2.6939 d *4* (2008Ru05), 2.6948 d *9* (2010Go25), 2.684 d *4* (from decay curve for 412γ at room temperature, another value: 2.687 d *5* at 12 K temperature, 2010Fo13), 2.6899 d *8* (2010Li48), 2.69445 d *32* (2012Ha23) and 2.6934 d *37* (2014Un01). Other measurements: 2.69 d *1* (1949Si02), 2.66 d *1* (1951Ca06), 2.73 d *2* (1951Si25), 2.6937 d *2* (1977MeZB,1977MeZN, superseded by 1980RuZV), 2.695 d *2* (1982HoZJ, superseded by

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

^{198}Au Levels (continued)

E(level)†	Jπ#	T1/2a	XREF	Comments
				2014Un01), 2.69517 d *21* (1992Un01, superseded by 2014Un01), 2.69555 d *30* (2004Un01, superseded by 2014Un01), 2.6949 d *9* (2007Go39, superseded by 2010Go25), 2.706 d *19* (2007Sp01, superseded by 2010Fo13), 2.6949 d *8* (2010Ha12, superseded by 2012Ha23), 2.6782 d *3* (2011Li52, Chauvenent outlier). Other evaluations: 2.6943 d *3* (Decay Data Evaluation Project, DDEP), 2.6948 *12* (2011Ch22), 2.6944 *8* (2004BeZQ), 2.6945 d *4* (1996ChZY), 2.6943 d *8* (1991BaZS,1990Ni03), 2.696 d *2* (1983Au08), 2.6935 d *4* (1982RuZV).
55.1812 *6*	1−	0.28 ns *14*	D GHIJK	T1/2: From γγ(t) measurement (scin,1968Na21).
91.0059 *8*	0−&		D GHIJK	Jπ: E2 γ to 2−; feeding by primary γ′s from 1+, but not 2+ in resonance n capture.
192.9441 *6*	1−	0.7 ns *2*	D GHIJK	
214.9715 *9*	4−	0.4 ns *2*	A D I K	
236.0453 *8*	3−	≤0.15 ns	D GHIJK	
247.5731 *10*	1−	0.4 ns *1*	D GHIJK	Jπ: M1 γ to 0−.
259.3406 *9*	1−	≤0.2 ns	D GHIJK	Jπ: M1 γ to 0−.
261.4047 *7*	2−&	≤0.2 ns	D GHIJK	
312.2227 *20*	5+	124 ns *4*	A D I K M	μ=−1.11 *2* (1989Ra17,2011StZZ) μ from TDPAD. Jπ: J=5 from μ analysis ((γγ(θ,t), 1976Fu06) and π=+ from E1 γ to 4−. T1/2: From γγ(t) in ^{197}Au(n,γ) E=thermal (1975Mi05). Others: 118 ns 8 (γγ(t)(1973Pa08)), 128 ns *15* (p,γ(t)(1968Bo30)).
328.4833 *16*	3−&	≤0.15 ns	D GHIJK	
339.2910 *16*	1−	≤0.4 ns	D GHIJK	
346.9062 *7*	2−&	≤0.15 ns	D GHIJK	
359.4? *4*			K	
362.8995 *10*	2−	≤0.15 ns	D GHIJK	
368.2567 *11*	1−	≤0.15 ns	D GHIJK	Jπ: M1 γ to 0−.
381.2002 *10*	3+	2.3 ns *2*	D GHIJ	
397.4?	(+)		G	
406.0080 *8*	2−&		D GHIJK	
449.5701 *13*	3−&		D HIJK	
453.8250 *9*	2−		D GHIJK	
482.3272 *21*	4+		D I	Jπ: M1 γ to 482, M1 γ from 482 to 5+ 312, and observed weak feeding of 636 level in 24-keV average resonance capture uniquely establishes J^π(637)=4+ and J^π(482)=4+.
495.5114 *14*	1−		D GHIJK	Jπ: M1 γ to 0−.
511.5173 *18*	3−&		D GHIJK	
516.3848 *22*	6+@		A D	
529.1685 *12*	3−		D G I	
530.4782 *10*	1−		D HIJK	
544.0093 *21*	4−		D I K	
548.9342 *13*	2−		D GHIJK	
571.2439 *10*	1−		D GHIJK	
573.3? *3*			K	
595.7? *8*			K	
625.4302 *14*	3−		D GHIJK	
632.4820 *13*	1−,2−&		D GHIJK	
637.125 *3*	4+		D I K	XREF: K(638.67). Jπ: See 482 level.
646.411 *5*	0+		A D IJK	Jπ: 0+, 4+ from average resonance capture, γ′s to 1−.
663.76 *18*			K	

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

^{198}Au Levels (continued)

E(level)†	Jπ#	$T_{1/2}$a	XREF	Comments
672.6548 *10*	1−,2−,3−		D GHIJK	XREF: K(672.31).
694.6 *6*			HIJK	Jπ: 2-keV average resonance capture data give 0+, 24-keV average resonance capture data allow 0+ or 4+, but 0+ is in conflict with observed decay of level to 3−, and possible decay from 3+ 1095.
696.702 *4*	8+		A D	
702.4811 *20*	2−		D HIJK	
703.7298 *15*	1−		D G I	
728.634 *4*	0−		D HIJK	
745.2187 *21*	1−,2−&		D GHIJK	
758.398 *3*	4+		D I	
764.482 *3*	4−		D I K	
786.5359 *12*	2−		D HIJK	
789.2974 *16*	1−		D GHIJK	
800.0388 *19*	2−		D I K	
801.7064 *12*	1−,2−		D GHIJ	
810.426 *3*	3+&		D IJK	
811.9 *15*	(12−)@	2.272 d *16*	A M	%IT=100 μ=(+)5.85 *9* (1984Ha12,2011StZZ) μ: Nuclear Magnetic Resonance on Oriented Nuclei(NMR/ON) (1984Ha12). $T_{1/2}$: From weighted average of 2.27 d *2* (1972Cu06), 2.36 d *7* (1973Pa08), and 2.26 d *3* (1992ZhZG).
824.608 *4*	3+		D IJK	
832.7	1+,2+		G	
835.366 *3*	3−&		D GHIJK	XREF: K(833.24).
867.6	(3+)		G	
868.7734 *20*	3−&		D HIJ	
891.616 *3*	1−,2−		D GHIJK	
894.2716 *25*	3−		D HIJK	
896.5723 *25*	1−,2−&		D G I	
916.4434 *25*	1−,2−		D HIJK	
918.5889 *16*	1−,2−		D GHIJK	
931.944 *3*	3−		D H J	
932.2	0−		G	
936.0 *12*	0+&		GH J	
951.443 *5*	3+&		D HIJK	XREF: K(948.9).
956.9533 *20*	1−,2−&		D HIJK	
960.633 *3*	3+		D G J	
971.8210 *20*	3−&		D GHIJ	
983.0868 *25*	2+		D HIJK	
987.5743 *19*	3−&		D GHIJK	
999.212 *4*	1−,2−&		D GHIJK	
1018.430 *3*	1−,2−		D HIJK	
1021.4	1−,2−		G	
1032.254 *3*	3−		D HIJK	XREF: K(1030.44).
1038.2744 *21*	3−		D I K	
1039.4	1−,2−		G	
1047.124 *3*	1−,2−&		D GHIJK	
1056.719 *3*	2−		D GHIJK	
1061.285 *3*	3−		D K	
1075.560 *4*	1−,2−,3−		D K	
1092.876 *5*	0−		D GHIJK	
1093.9	(+)		G	

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

^{198}Au Levels (continued)

E(level)[†]	Jπ[#]	XREF	Comments
1095.499 *4*	3^+	D I	
1104.835 *4*	$0^-,1^-,2^-$	D K	
1108.873 *4*	$1^-,2^-$[&]	D H JK	XREF: K(1112.6).
1112.6	$1^-,2^-$	G	
1115.265 *3*	3^-[&]	D GHIJK	
1124.881 *4*	$1^-,2^-$	D GH JK	
1134.8 *8*	[&]	K	
1147.0 *2*	$1^-,2^-$[&]	H JK	
1148.8	$1^+,2^+$	G	
1157.2381 *22*	3^-	D GH JK	XREF: G(1158.4).
1160.018 *4*	3^-[&]	D H J	
1166.5 *2*	$1^-,2^-$[&]	GH JK	XREF: G(1164.7).
1175.9 *2*	$1^-,2^-$[&]	GH JK	XREF: G(1173.3).
1191.566 *4*	$1^+,2^+,3^+$	D H J	
1199.4 *7*		K	Jπ: L=3 in ^{197}Au(d,p).
1202.268 *3*	$1^-,2^-$	D GH JK	XREF: G(1204.4).
1209.370 *4*	3^-	D H JK	
1232.8019 *25*	3^-	D H J	
1240.380 *4*	3^-	D H J	
1256.018 *5*	$1^-,2^-$[&]	D H JK	
1265.523 *6*	$1^-,2^-,3^-$	D H JK	
1272.1510 *25*	3^-[&]	D H JK	
1286.746 *4*	2^-	D H JK	
1293.902 *6*	$1^-,2^-$[&]	D H JK	
1297.133 *5*	$1^-,2^-,3^-$	D K	
1301.045 *5*	2^-	D H JK	
1304.8244 *23*	3^-	D JK	
1306.853 *3*	2^-	D IJ	
1318.628 *8*	$1^-,2^-$[&]	D H JK	
1325.830 *4*	2^-	D H JK	
1335.542 *4*	$1^-,2^-,3^-$	D H JK	
1338.171 *4*	3^-[&]	D H J	
1359.038 *4*	$1^-,2^-,3^-$	D H JK	
1363.350 *4*	$1^-,2^-,3^-$	D H JK	
1371.502 *3*	$1^-,2^-$[&]	D H JK	
1375.974 *4*	$1^-,2^-$[&]	D H JK	
1380.884 *4*	3^-	D H JK	
1386.0 *10*		K	
1390.227 *4*	2^-	D H JK	
1395.1 *4*		K	
1396.141 *6*	3^-[&]	D H JK	
1399.342 *5*	$2^-,3^-$	D K	
1402.086 *5*	$1^-,2^-$	D H JK	
1403.5 *3*		K	
1404.893 *8*	$2^-,3^-$	D H J	
1409.399 *4*	3^-	D H JK	
1418.686 *4*	$3^+,4^+$	D H JK	
1423.795 *5*	3^-	D H JK	
1431.645 *3*	$2^-,3^-$	D H JK	
1434.584 *5*	$1^-,2^-$	D H JK	
1444.396 *22*	3^-	D H JK	
1450.5 *4*		K	Jπ: L=3 in ^{197}Au(d,p).

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

^{198}Au Levels (continued)

E(level)†	Jπ#	XREF	Comments
1453.858 *3*	3−	D H JK	
1458.988 *4*	3−&	D H JK	
1472.097 *4*	3−&	D H JK	
1475.621 *4*	2−	D H JK	
1487.136 *4*	1−,2−	D H JK	
1488.01 *19*		K	Jπ: L=3 in ^{197}Au(d,p).
1496.201 *5*	3−&	D H JK	
1497.67 *21*		K	Jπ: L=(1,3) in ^{197}Au(d,p).
1505.178 *4*	1−,2−&	D H JK	
1506.0 *2*		K	Jπ: L=(1,3) in ^{197}Au(d,p).
1513.564 *4*	1−,2−	D H JK	
1517.9 *5*		K	Jπ: L=1 in ^{197}Au(d,p).
1523.2 *10*	1+,2+,3+&	H J	
1530.702 *5*	1−,2−&	D H JK	
1532.69 *18*		K	
1536.380 *3*	1−,2−,3−	D H J	
1542.793 *5*	3−&	D H JK	
1554.429 *4*	1−,2−&	D H JK	
1560.407 *6*	3−&	D H JK	
2224‡		K	
2245‡		K	
2266‡		K	
2283‡		K	
2296‡		K	
2304‡		K	
2326‡		K	
2343‡		K	
2361?‡		K	
2381‡		K	
2393‡		K	
2469‡		K	
2479‡		K	
2490‡		K	
2505‡		K	
2520?‡		K	
2598‡		K	
2610‡		K	
17135 *5*	0+	N	Jπ: IAS(^{198}Pt g.s.).

† For the states connected by γ′s, E(level)′s are from a least-squares fit to the Adopted Gamma radiations, except as noted.
‡ Only reported in (d,p) but are not confirmed by other reactions.
# J^π are from circular polarization of primary γ-rays due to capture of polarized neutrons by unoriented ^{197}Au nuclei and γ(θ) of γ-rays observed after capture of polarized neutrons by polarized ^{197}Au nuclei in ^{197}Au(n,γ) E=thermal (1978Li22) and multipolarity from internal conversion electron measurements (1996Ma70,1996Ma75) and L-transfer in ^{197}Au(d,p), except as noted.
@ From ^{198}Au IT decay and presumably analogous properties in ^{196}Au.

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

^{198}Au Levels (continued)

& From average resonance neutron capture for E(n)=2 keV and 24 keV.
[a] From γ(t) measurements in ^{197}Au(n,γ) E=thermal, except as noted.

Adopted Levels, Gammas (continued)

γ(^{198}Au)

For ^{198}Au recommended as calibration standard source, see 1983LoZV, 1991BaZS, 1990Ni03, and 1997HeZZ.
For unplaced gammas: see ^{197}Au(n,γ) E=thermal (1996Ma70,1996Ma75).

E_i(level)	J_i^π	E_γ[†‡]	I_γ[‡]	E_f	J_f^π	Mult.[&]	δ[&]	α[b]	Comments
55.1812	1⁻	55.181 *1*	100	0.0	2⁻	M1+E2	0.23 *2*	10.9 *7*	
91.0059	0⁻	35.819 *3*	88 *3*	55.1812	1⁻	M1		26.3	
		91.002 *2*	100 *20*	0.0	2⁻	E2		7.75	
192.9441	1⁻	101.936 *1*	100 *5*	91.0059	0⁻	M1		6.87	B(M1)(W.u.)=0.0032 *10*
		137.763 *1*	18.7 *8*	55.1812	1⁻	M1		2.91	B(M1)(W.u.)=0.00024 *8*
		192.946 *1*	45.2 *5*	0.0	2⁻	E2		0.424	B(E2)(W.u.)=2.2 *7*
214.9715	4⁻	214.971 *1*	100	0.0	2⁻	E2		0.293	B(E2)(W.u.)=35 *18*
236.0453	3⁻	180.863 *1*	15.3 *5*	55.1812	1⁻	E2		0.531	B(E2)(W.u.)>26
		236.047 *2*	100.0 *11*	0.0	2⁻	M1+E2	1.0 *4*	0.43 *10*	B(M1)(W.u.)>0.0019; B(E2)(W.u.)>13
247.5731	1⁻	156.561 *4*	1.6 *3*	91.0059	0⁻	M1		2.02	B(M1)(W.u.)=7.4×10^{-5} *24*
		192.392 *1*	69.4 *7*	55.1812	1⁻	M1		1.132	B(M1)(W.u.)=0.0017 *5*
		247.570 *3*	100 *6*	0.0	2⁻	M1		0.562	B(M1)(W.u.)=0.0012 *3*
259.3406	1⁻	66.391 *3*	8.2 *20*	192.9441	1⁻				
		168.334 *1*	100.0 *10*	91.0059	0⁻	M1		1.648	B(M1)(W.u.)>0.0084
		259.348 *9*	0.43 *4*	0.0	2⁻	M1		0.495	B(M1)(W.u.)>9.9×10^{-6}
261.4047	2⁻	170.395 *3*	7.5 *4*	91.0059	0⁻				
		206.227 *1*	4.4 *2*	55.1812	1⁻	M1		0.933	B(M1)(W.u.)>0.00033
		261.402 *1*	100 *3*	0.0	2⁻	M1		0.484	B(M1)(W.u.)>0.0037
312.2227	5⁺	97.249 *2*	100	214.9715	4⁻	E1		0.445	B(E1)(W.u.)=1.21×10^{-6} *4*
328.4833	3⁻	113.511 *7*	6.0 *20*	214.9715	4⁻	M1+E2		4.1 *10*	
		273.286 *15*	2.5 *9*	55.1812	1⁻				
		328.484 *3*	100.0 *10*	0.0	2⁻	M1		0.260	B(M1)(W.u.)>0.0026
339.2910	1⁻	146.343 *2*	100 *9*	192.9441	1⁻	M1		2.45	B(M1)(W.u.)>0.0042
		284.111 *3*	50 *7*	55.1812	1⁻	M1		0.385	B(M1)(W.u.)>0.00029
346.9062	2⁻	99.330 *5*	11 *3*	247.5731	1⁻	M1		7.40	B(M1)(W.u.)>0.0048
		131.952 *7*	16 *5*	214.9715	4⁻	E2		1.706	B(E2)(W.u.)>64
		153.962 *8*	5.6 *14*	192.9441	1⁻	(M1)		2.12	B(M1)(W.u.)>0.00065
		255.882 *10*	2.1 *4*	91.0059	0⁻				
		291.722 *1*	100 *10*	55.1812	1⁻	M1		0.358	B(M1)(W.u.)>0.0017
		346.909 *1*	41.6 *4*	0.0	2⁻	M1		0.224	B(M1)(W.u.)>0.00042
362.8995	2⁻	103.560 *1*	100 *14*	259.3406	1⁻	M1		6.57	B(M1)(W.u.)>0.015
		169.964[c] *8*	11.0[c] *17*	192.9441	1⁻				
		271.895 *2*	17.5 *7*	91.0059	0⁻				
		307.723 *3*	38.3 *12*	55.1812	1⁻	M1+E2		0.20 *11*	
368.2567	1⁻	108.911 *2*	100 *13*	259.3406	1⁻	M1		5.68	B(M1)(W.u.)>0.015
		175.309 *6*	10.9 *17*	192.9441	1⁻				
		277.246 *2*	27 *4*	91.0059	0⁻	M1		0.412	B(M1)(W.u.)>0.00025
		313.065 *4*	5.5 *3*	55.1812	1⁻				

$^{198}_{79}Au_{119}$-7

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ[†‡]	I_γ[‡]	E_f	J_f^π	Mult.[&]	α[b]	Comments
368.2567	1⁻	368.249 *7*	14.06 *16*	0.0	2⁻	M1	0.191	B(M1)(W.u.)>5.6×10^{-5}
381.2002	3⁺	145.154 *1*	15.7 *11*	236.0453	3⁻	E1	0.1615	B(E1)(W.u.)=3.3×10^{-6} *4*
		166.229 *2*	11.9 *7*	214.9715	4⁻	E1	0.1146	B(E1)(W.u.)=1.69×10^{-6} *18*
		381.205 *2*	100.0 *10*	0.0	2⁻	E1[a]	0.01550	B(E1)(W.u.)=1.17×10^{-6} *11* Mult.: E2 from internal conversion electron measurements (1996Ma70,1996Ma75).
406.0080	2⁻	144.605 *3*	19 *3*	261.4047	2⁻	M1	2.53	
		146.670 *3*	29 *3*	259.3406	1⁻	M1	2.43	
		169.964[c] *8*	13.2[c] *20*	236.0453	3⁻			
		213.066 *3*	10.1 *9*	192.9441	1⁻	M1	0.852	
		350.828 *1*	100.0 *10*	55.1812	1⁻	M1	0.217	
		406.009 *3*	3.9 *4*	0.0	2⁻			
449.5701	3⁻	121.084 *6*	17 *5*	328.4833	3⁻	M1	4.20	
		188.166 *2*	100 *3*	261.4047	2⁻	M1	1.205	
		213.545 *9*	2.3 *5*	236.0453	3⁻	M1	0.846	
		234.607[c] *7*	7.0[c] *15*	214.9715	4⁻			
		394.361 *8*	2.33 *23*	55.1812	1⁻			
		449.572 *3*	77.9 *8*	0.0	2⁻	M1	0.1120	
453.8250	2⁻	106.909 *4*	20 *5*	346.9062	2⁻	M1	5.99	
		125.346 *9*	9 *4*	328.4833	3⁻	M1	3.80	
		260.882 *1*	100 *8*	192.9441	1⁻	M1	0.487	
		398.650 *5*	6.3 *4*	55.1812	1⁻			
		453.810 *4*	7.14 *18*	0.0	2⁻			
482.3272	4⁺	170.103 *1*	100	312.2227	5⁺	M1	1.600	
495.5114	1⁻	148.589[c] *14*	4.0[c] *20*	346.9062	2⁻	M1	2.34	
		234.109 *3*	8.9 *8*	261.4047	2⁻	M1	0.656	
		236.160 *4*	28 *6*	259.3406	1⁻			
		247.928 *5*	7.3 *8*	247.5731	1⁻			
		259.467 *9*	2.42 *24*	236.0453	3⁻			
		302.608 *9*	1.6 *2*	192.9441	1⁻			
		404.547 *4*	3.2 *3*	91.0059	0⁻	M1	0.1483	
		440.331 *3*	100 *1*	55.1812	1⁻	M1	0.1183	
511.5173	3⁻	148.589[c] *14*	5.4[c] *27*	362.8995	2⁻	M1	2.34	
		164.5[d]	7.5 *26*	346.9062	2⁻			
		250.118 *7*	7.6 *10*	261.4047	2⁻			
		275.470[c] *7*	6.5[c] *12*	236.0453	3⁻			
		296.528 *9*	3.3 *3*	214.9715	4⁻			
		318.4[d]	6.6 *13*	192.9441	1⁻			
		456.1[d]	49 *7*	55.1812	1⁻			
		511.517 *2*	100 *9*	0.0	2⁻	M1	0.0796	
516.3848	6⁺	204.162 *1*	100	312.2227	5⁺	M1	0.959	
529.1685	3⁻	123.1[d]	6.1 *18*	406.0080	2⁻			
		182.283 *11*	2.9 *8*	346.9062	2⁻			

$^{198}_{79}Au_{119}$-8

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ[†‡]	I_γ[‡]	E_f	J_f^π	Mult.[&]	α[b]
529.1685	3⁻	267.774 *3*	4.1 *3*	261.4047	2⁻		
		293.117 *4*	4.5 *11*	236.0453	3⁻	M1	0.354
		314.181 *9*	1.6 *2*	214.9715	4⁻		
		473.978 *7*	2.45 *4*	55.1812	1⁻		
		529.170 *2*	100 *3*	0.0	2⁻	M1	0.0729
530.4782	1⁻	191.182 *4*	100 *9*	339.2910	1⁻	M1	1.153
		269.081 *2*	88 *7*	261.4047	2⁻	M1	0.447
		271.144[c] *4*	58[c] *5*	259.3406	1⁻	(M1)	0.438
		282.893 *22*	8.3 *21*	247.5731	1⁻	M1	0.390
		337.533 *1*	100 *2*	192.9441	1⁻	M1	0.241
		530.476 *6*	29.2 *8*	0.0	2⁻		
544.0093	4⁻	138.014 *4*	34 *9*	406.0080	2⁻		
		215.535 *5*	9.0 *16*	328.4833	3⁻		
		329.021 *8*	2.99 *15*	214.9715	4⁻		
		544.002 *3*	100 *3*	0.0	2⁻	E2	0.0211
548.9342	2⁻	142.918 *3*	51 *6*	406.0080	2⁻	M1	2.62
		220.3[d]	3.3 *10*	328.4833	3⁻		
		301.365 *10*	2.22 *22*	247.5731	1⁻		
		312.7[d]	3.6 *10*	236.0453	3⁻		
		333.970 *4*	4.44 *22*	214.9715	4⁻		
		548.930 *2*	100 *3*	0.0	2⁻	M1	0.0662
571.2439	1⁻	202.987 *1*	54.7 *22*	368.2567	1⁻	M1	0.975
		208.33[d] *4*	0.5 *4*	362.8995	2⁻		
		224.341 *4*	14.1 *23*	346.9062	2⁻		
		242.773[c] *11*	4.5[c] *11*	328.4833	3⁻		
		311.905[c] *3*	100[c] *2*	259.3406	1⁻	M1	0.299
		335.192 *8*	3.1 *16*	236.0453	3⁻		
		378.302 *2*	37.5 *8*	192.9441	1⁻	M1	0.1774
		480.196 *22*	6.3 *5*	91.0059	0⁻		
		516.061 *2*	73.4 *16*	55.1812	1⁻	M1	0.0778
625.4302	3⁻	175.858 *15*	5.5 *24*	449.5701	3⁻		
		219.3[d]	100 *10*	406.0080	2⁻		
		262.535 *6*	12.7 *22*	362.8995	2⁻		
		313.0[d]	2.6 *12*	312.2227	5⁺		
		364.019[c] *3*	25.5[c] *7*	261.4047	2⁻	M1	0.197
		366.095 *3*	12.7 *9*	259.3406	1⁻		
		389.335 *19*	5.5 *15*	236.0453	3⁻		
		625.429 *3*	100 *6*	0.0	2⁻	M1	0.0471
632.4820	1⁻,2⁻	226.471 *6*	10.0 *18*	406.0080	2⁻		
		264.210[c] *3*	13.3[c] *13*	368.2567	1⁻		
		269.574 *7*	8.3 *18*	362.8995	2⁻		
		371.080 *2*	100.0 *10*	261.4047	2⁻	M1	0.187

$^{198}_{79}Au_{119}$-9

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ [†‡]	I_γ [‡]	E_f	J_f^π	Mult.[&]	α[b]	Comments
632.4820	1⁻,2⁻	373.150 *11*	16.7 *25*	259.3406	1⁻	M1	0.184	
		396.426 *14*	1.7 *3*	236.0453	3⁻			
		577.287 *4*	60.0 *12*	55.1812	1⁻	M1	0.0580	
		632.502 *13*	18.3 *13*	0.0	2⁻			
637.125	4⁺	154.793[c] *2*	100[c] *7*	482.3272	4⁺	M1	2.09	
		324.916 *4*	26.9 *8*	312.2227	5⁺			
646.411	0⁺	(75.2)	100 *14*	571.2439	1⁻			
		278.0[d]	37 *8*	368.2567	1⁻			
		333.82[#] *15*	100[#] *18*	312.2227	5⁺	M1	0.248	Mult.: α(K)exp<0.3; ΔJ=+1 from γ anisotropy Iγ(θ,t) (1975Ma30).
		591.228 *6*	100.0 *18*	55.1812	1⁻			
672.6548	1⁻,2⁻,3⁻	218.830 *3*	25.3 *23*	453.8250	2⁻	(M1)	0.791	
		223.078 *8*	5.3 *11*	449.5701	3⁻			
		266.647 *1*	42.7 *13*	406.0080	2⁻	M1	0.458	
		325.751 *3*	16.0 *4*	346.9062	2⁻	M1	0.265	
		344.172[c] *4*	4.0[c] *1*	328.4833	3⁻			
		413.289 *5*	9.3 *3*	259.3406	1⁻			
		425.081 *8*	4.0 *1*	247.5731	1⁻			
		436.614 *4*	5.3 *3*	236.0453	3⁻			
		457.65[c] *7*	6.7[c] *24*	214.9715	4⁻			
		672.654 *3*	100.0 *4*	0.0	2⁻	M1	0.0390	
694.6		347.7[@]	100[@] *8*	346.9062	2⁻			
		366.1[@]	19[@] *6*	328.4833	3⁻			
		433.1[@]	28[@] *6*	261.4047	2⁻			
696.702	8⁺	(50.5 *CA*)		646.411	0⁺			
		180.317 *3*	100 *8*	516.3848	6⁺	E2	0.537	
702.4811	2⁻	252.8[d]	8.9 *22*	449.5701	3⁻			
		296.3[d]	7.2 *17*	406.0080	2⁻			
		334.235 *14*	1.45 *19*	368.2567	1⁻			
		339.596[c] *3*	4.4[c] *3*	362.8995	2⁻			
		441.065 *7*	17.4 *4*	261.4047	2⁻	M1	0.1178	
		454.887[c] *6*	5.8[c] *3*	247.5731	1⁻			
		647.307[c] *6*	24.6[c] *13*	55.1812	1⁻	M1	0.0431	
		702.467 *4*	100.0 *10*	0.0	2⁻	M1	0.0349	
703.7298	1⁻	154.793[c] *2*	68[c] *5*	548.9342	2⁻	M1	2.09	
		297.720 *5*	10.5 *5*	406.0080	2⁻	M1	0.339	
		364.421 *6*	2.6 *4*	339.2910	1⁻			
		444.393 *3*	100.0 *11*	259.3406	1⁻	M1	0.1155	
		456.172 *8*	25.0 *22*	247.5731	1⁻	M1	0.1077	
		510.785 *11*	5.3 *7*	192.9441	1⁻			
		612.724 *6*	18.4 *5*	91.0059	0⁻	M1	0.0497	
		648.573[c] *22*	5.3[c] *7*	55.1812	1⁻			

$^{198}_{79}Au_{119}$-10

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ[†‡]	I_γ[‡]	E_f	J_f^π	Mult.[&]	α[b]
703.7298	1⁻	703.78[c] *3*	6.6[c] *7*	0.0	2⁻	M1	0.0347
728.634	0⁻	322.77[c] *6*	12[c] *5*	406.0080	2⁻		
		360.208 *9*	5.9 *6*	368.2567	1⁻		
		469.294 *12*	65 *5*	259.3406	1⁻	M1	0.0999
		535.77 *3*	12 *3*	192.9441	1⁻		
		673.460 *8*	100 *7*	55.1812	1⁻	M1	0.0389
		728.5[d]	71 *3*	0.0	2⁻		
745.2187	1⁻,2⁻	249.715[c] *14*	3.8[c] *11*	495.5114	1⁻		
		363.8[d]	45 *7*	381.2002	3⁺		
		376.8[d]	35 *12*	368.2567	1⁻		
		382.327 *3*	9.4 *4*	362.8995	2⁻	M1	0.1724
		398.1[d]	27.4 *4*	346.9062	2⁻		
		483.4[d]	8 *4*	261.4047	2⁻		
		485.891 *18*	9.4 *8*	259.3406	1⁻		
		690.037 *4*	100 *4*	55.1812	1⁻	M1	0.0365
		745.21 *3*	37.7 *26*	0.0	2⁻		
758.398	4⁺	276.071 *3*	100 *8*	482.3272	4⁺	M1	0.417
		446.177 *4*	26.7 *10*	312.2227	5⁺	M1	0.1142
		522.35 *3*	43.3 *3*	236.0453	3⁻		
764.482	4⁻	235.28[c] *3*	5.6[c] *28*	529.1685	3⁻		
		314.916 *4*	100.0 *19*	449.5701	3⁻	M1	0.291
		358.472 *7*	5.6 *6*	406.0080	2⁻		
		401.567 *11*	8.3 *6*	362.8995	2⁻		
		516.891[c] *18*	5.6[c] *6*	247.5731	1⁻		
		549.512 *12*	13.9 *6*	214.9715	4⁻		
786.5359	2⁻	154.057 *9*	13 *4*	632.4820	1⁻,2⁻	(M1)	2.12
		215.295 *2*	58 *4*	571.2439	1⁻	M1	0.827
		237.611 *12*	6.7 *16*	548.9342	2⁻		
		291.025[c] *19*	4.4[c] *2*	495.5114	1⁻		
		332.713 *2*	8.9 *7*	453.8250	2⁻	M1	0.251
		418.321 *13*	6.7 *4*	368.2567	1⁻		
		423.641 *8*	4.44 *22*	362.8995	2⁻		
		439.63 *4*	22 *8*	346.9062	2⁻		
		458.049[c] *3*	86.7[c] *9*	328.4833	3⁻	M1	0.1066
		525.124 *2*	100 *4*	261.4047	2⁻		
		527.169 *6*	15.6 *20*	259.3406	1⁻		
		538.991 *19*	4.4 *9*	247.5731	1⁻		
		550.527 *18*	11.1 *16*	236.0453	3⁻		
789.2974	1⁻	218.045 *5*	15 *3*	571.2439	1⁻	M1	0.799
		335.3[d]	13.7 *24*	453.8250	2⁻		
		383.295 *2*	60.4 *6*	406.0080	2⁻		

$^{198}_{79}Au_{119}$-11

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ[†‡]	I_γ[‡]	E_f	J_f^π	Mult.[&]	α[b]	Comments
789.2974	1⁻	442.379[c] *5*	9.4[c] *4*	346.9062	2⁻			
		527.6[d]	223 *3*	261.4047	2⁻			
		529.948 *3*	100 *4*	259.3406	1⁻	M1	0.0726	
		552.98[c] *15*	5.7[c] *28*	236.0453	3⁻			
		698.304 *7*	37.7 *19*	91.0059	0⁻	M1	0.0354	
		734.132 *15*	17.0 *11*	55.1812	1⁻	M1	0.0311	
800.0388	2⁻	269.4[d]	4.5 *10*	530.4782	1⁻			
		350.494 *8*	1.05 *21*	449.5701	3⁻			
		393.8[d]	4.5 *14*	406.0080	2⁻			
		418.840 *2*	100.0 *11*	381.2002	3⁺	E1[a]	0.01257	Mult.: E2 from internal conversion electron measurements (1996Ma70,1996Ma75).
		437.127 *6*	2.11 *21*	362.8995	2⁻			
		453.147 *9*	4.20 *21*	346.9062	2⁻			
		552.490 *9*	14.7 *3*	247.5731	1⁻	M1	0.0651	
		563.97[c] *3*	3.2[c] *4*	236.0453	3⁻			
		744.857[c] *24*	14.7[c] *8*	55.1812	1⁻			
		800.05 *4*	9.5 *19*	0.0	2⁻			
801.7064	1⁻,2⁻	169.225 *8*	15 *3*	632.4820	1⁻,2⁻	M1	1.623	
		271.229 *3*	34.9 *18*	530.4782	1⁻	(M1)	0.437	
		290.183 *20*	3.0 *9*	511.5173	3⁻			
		306.199[c] *4*	10.6[c] *3*	495.5114	1⁻	M1	0.314	
		347.877[c] *2*	22.7[c] *5*	453.8250	2⁻	M1	0.222	
		395.703 *3*	13.6 *9*	406.0080	2⁻	M1	0.1573	
		433.457 *6*	4.6 *3*	368.2567	1⁻			
		438.805 *10*	1.52 *15*	362.8995	2⁻			
		473.219 *8*	3.0 *5*	328.4833	3⁻			
		540.298 *2*	100.0 *20*	261.4047	2⁻	M1	0.0690	
		542.373[c] *8*	21.2[c] *5*	259.3406	1⁻			
		554.144 *14*	3.0 *3*	247.5731	1⁻			
		608.83 *4*	3.0 *8*	192.9441	1⁻			
		710.708 *18*	10.6 *9*	91.0059	0⁻			
		801.713 *10*	39.4 *15*	0.0	2⁻	M1	0.0248	
810.426	3⁺	184.998 *14*	50 *16*	625.4302	3⁻	E1	0.0876	
		328.087 *8*	25.0 *25*	482.3272	4⁺			
		360.859 *4*	37.5 *25*	449.5701	3⁻			
		447.522[c] *5*	62.5[c] *25*	362.8995	2⁻			
		481.945 *9*	100 *5*	328.4833	3⁻			
		595.423 *14*	38 *5*	214.9715	4⁻			
811.9	(12⁻)	115.2 *15*	100	696.702	8⁺	(M4)	2.49×10^3 *22*	B(M4)(W.u.)=3.1 *5*
824.608	3⁺	313.20 *5*	25 *11*	511.5173	3⁻			
		342.217 *20*	25 *7*	482.3272	4⁺			
		461.715[c] *21*	25.0[c] *25*	362.8995	2⁻			

$^{198}_{79}Au_{119}$-12

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ[†‡]	I_γ[‡]	E_f	J_f^π	Mult.[&]	α[b]
824.608	3+	824.58 *4*	100 *18*	0.0	2−		
835.366	3−	202.866[c] *14*	9[c] *4*	632.4820	1−,2−		
		306.199[c] *4*	15.6[c] *4*	529.1685	3−	M1	0.314
		381.565 *9*	24.4 *4*	453.8250	2−	M1	0.1733
		573.953 *24*	100.0 *20*	261.4047	2−		
		620.398[c] *21*	8.9[c] *11*	214.9715	4−		
868.7734	3−	243.343 *17*	5.3 *16*	625.4302	3−		
		339.596[c] *3*	5.3[c] *4*	529.1685	3−		
		386.420[c] *2*	10.0[c] *51*	482.3272	4+		
		414.955 *6*	5.3 *5*	453.8250	2−		
		419.199 *5*	17.5 *4*	449.5701	3−	M1	0.1348
		521.878[c] *13*	3.5[c] *7*	346.9062	2−		
		653.801[c] *13*	10.5[c] *9*	214.9715	4−		
		813.57[c] *7*	5.3[c] *16*	55.1812	1−		
		868.757 *9*	100 *10*	0.0	2−	M1	0.0202
891.616	1−,2−	320.329 *17*	3.1 *5*	571.2439	1−		
		362.453[c] *5*	7.8[c] *9*	529.1685	3−		
		442.081 *14*	3.1 *3*	449.5701	3−		
		630.235 *14*	9.4 *8*	261.4047	2−	M1	0.0462
		632.281[c] *7*	35.9[c] *14*	259.3406	1−	M1	0.0458
		644.039 *9*	12.5 *5*	247.5731	1−		
		836.405 *9*	100 *13*	55.1812	1−	M1	0.0223
		891.600 *23*	20 *4*	0.0	2−		
894.2716	3−	345.21[c] *5*	3.9[c] *15*	548.9342	2−		
		565.777 *5*	100.0 *10*	328.4833	3−	M1	0.0612
896.5723	1−,2−	264.062 *9*	6.3 *6*	632.4820	1−,2−		
		271.144[c] *4*	44[c] *3*	625.4302	3−	(M1)	0.438
		325.319 *7*	3.1 *3*	571.2439	1−		
		446.997[c] *11*	6.3[c] *6*	449.5701	3−		
		549.68[c] *3*	6.3[c] *13*	346.9062	2−		
		568.116 *11*	12.5 *22*	328.4833	3−		
		635.197 *10*	100 *4*	261.4047	2−	M1	0.0452
		648.959 *19*	25.0 *13*	247.5731	1−	M1	0.0428
916.4434	1−,2−	283.944 *15*	27 *5*	632.4820	1−,2−		
		291.025[c] *19*	5.9[c] *15*	625.4302	3−		
		345.21[c] *5*	5.9[c] *24*	571.2439	1−		
		387.284 *3*	17.7 *18*	529.1685	3−	M1	0.1666
		510.405 *11*	76 *24*	406.0080	2−	M1	0.0801
		655.009 *8*	29.4 *15*	261.4047	2−	M1	0.0418
		680.365 *16*	38.2 *24*	236.0453	3−		
		916.406 *11*	100 *5*	0.0	2−	M1	0.01764
918.5889	1−,2−	173.355 *10*	7.0 *21*	745.2187	1−,2−		

$^{198}_{79}Au_{119}$-13

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ[†‡]	I_γ[‡]	E_f	J_f^π	Mult.[&]	α[b]
918.5889	1⁻,2⁻	214.852 *4*	37 *7*	703.7298	1⁻		
		245.977 *17*	1.4 *3*	672.6548	1⁻,2⁻,3⁻		
		369.636 *5*	2.8 *3*	548.9342	2⁻		
		389.421 *4*	5.6 *3*	529.1685	3⁻		
		423.100 *7*	4.2 *3*	495.5114	1⁻		
		464.754 *21*	32 *11*	453.8250	2⁻		
		469.027 *7*	5.6 *3*	449.5701	3⁻		
		512.581 *8*	32 *8*	406.0080	2⁻	M1	0.0792
		555.691 *3*	23.9 *7*	362.8995	2⁻	M1	0.0641
		571.694 *5*	94 *4*	346.9062	2⁻	M1	0.0595
		579.296 *9*	100 *7*	339.2910	1⁻		
		659.229 *7*	47.9 *10*	259.3406	1⁻	M1	0.0411
931.944	3⁻	382.992 *8*	50 *5*	548.9342	2⁻		
		387.900 *22*	25 *5*	544.0093	4⁻		
		550.748 *22*	75 *13*	381.2002	3⁺		
		670.58 *3*	100 *15*	261.4047	2⁻		
951.443	3⁺	639.201 *12*	100	312.2227	5⁺		
956.9533	1⁻,2⁻	253.203 *9*	5.9 *9*	703.7298	1⁻		
		331.558 *12*	2.9 *6*	625.4302	3⁻		
		385.726 *8*	5.9 *15*	571.2439	1⁻		
		550.939 *14*	14.7 *18*	406.0080	2⁻		
		594.19[c] *5*	17.7[c] *29*	362.8995	2⁻		
		697.628 *13*	29.4 *21*	259.3406	1⁻		
		709.39 *3*	17.7 *24*	247.5731	1⁻		
		720.935 *11*	26.5 *12*	236.0453	3⁻	M1	0.0326
		763.998 *8*	100 *3*	192.9441	1⁻	M1	0.0281
960.633	3⁺	478.323 *24*	6.7 *7*	482.3272	4⁺		
		511.103 *18*	100 *15*	449.5701	3⁻		
		597.71[c] *5*	33.3[c] *27*	362.8995	2⁻		
971.8210	3⁻	299.161[c] *12*	27[c] *4*	672.6548	1⁻,2⁻,3⁻		
		339.328 *5*	55 *4*	632.4820	1⁻,2⁻		
		346.394 *3*	36.4 *18*	625.4302	3⁻	M1	0.225
		522.247 *3*	100 *7*	449.5701	3⁻		
983.0868	2⁺	158.520 *24*	100 *4*	824.608	3⁺	M1	1.95
		487.589[c] *3*	9.9[c] *8*	495.5114	1⁻		
		614.98[c] *6*	2.2[c] *8*	368.2567	1⁻		
		983.00[c] *4*	14.3[c] *11*	0.0	2⁻		
987.5743	3⁻	355.100[c] *5*	2.5[c] *4*	632.4820	1⁻,2⁻		
		362.141 *8*	8.6 *7*	625.4302	3⁻		
		457.090[c] *15*	1.2[c] *4*	530.4782	1⁻		
		492.063 *3*	13.6 *4*	495.5114	1⁻		
		533.748 *4*	9.9 *5*	453.8250	2⁻		
		538.011[c] *17*	3.70[c] *25*	449.5701	3⁻		

$^{198}_{79}Au_{119}$-14

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ [†‡]	I_γ [‡]	E_f	J_f^π	Mult.[&]	α[b]
987.5743	3⁻	640.665 *6*	100 *8*	346.9062	2⁻	M1	0.0443
		726.15 *3*	7.4 *25*	261.4047	2⁻		
		751.56[c] *4*	9.9[c] *19*	236.0453	3⁻		
		772.56 *3*	6.2 *9*	214.9715	4⁻		
999.212	1⁻,2⁻	373.765 *5*	20 *1*	625.4302	3⁻		
		549.68[c] *3*	10.0[c] *20*	449.5701	3⁻		
		593.177 *13*	100 *7*	406.0080	2⁻	M1	0.0541
		630.945 *17*	20 *4*	368.2567	1⁻		
		636.285 *18*	15 *3*	362.8995	2⁻		
		751.56[c] *4*	40[c] *8*	247.5731	1⁻		
1018.430	1⁻,2⁻	489.273[c] *5*	11.9[c] *10*	529.1685	3⁻		
		522.917 *9*	9.5 *10*	495.5114	1⁻		
		655.529 *6*	66.7 *19*	362.8995	2⁻	M1	0.0417
		679.135 *9*	23.8 *21*	339.2910	1⁻		
		756.999[c] *18*	19.1[c] *14*	261.4047	2⁻		
		825.472 *6*	100 *10*	192.9441	1⁻	M1	0.0230
		927.39[c] *7*	100[c] *38*	91.0059	0⁻		
		1018.36 *3*	60 *4*	0.0	2⁻		
1032.254	3⁻	406.757[c] *18*	3.5[c] *7*	625.4302	3⁻		
		483.41[c] *5*	3.5[c] *3*	548.9342	2⁻		
		520.62[c] *4*	90[c] *34*	511.5173	3⁻		
		703.78[c] *3*	17.2[c] *17*	328.4833	3⁻		
		770.828 *7*	100 *6*	261.4047	2⁻	E2	0.00974
		796.221 *9*	69 *5*	236.0453	3⁻		
1038.2744	3⁻	202.866[c] *14*	17[c] *7*	835.366	3⁻		
		227.826 *15*	13 *4*	810.426	3⁺		
		365.620 *2*	43.5 *13*	672.6548	1⁻,2⁻,3⁻		
		632.281[c] *7*	100[c] *4*	406.0080	2⁻	M1	0.0458
		779.03[c] *4*	26[c] *4*	259.3406	1⁻		
		983.00[c] *4*	57[c] *4*	55.1812	1⁻		
1047.124	1⁻,2⁻	400.703[c] *11*	14.3[c] *24*	646.411	0⁺		
		597.49[c] *3*	14[c] *3*	449.5701	3⁻		
		700.29 *4*	24 *3*	346.9062	2⁻		
		1047.09[c] *7*	100[c] *3*	0.0	2⁻		
1056.719	2⁻	270.160 *10*	20.0 *20*	786.5359	2⁻		
		292.258 *10*	50 *6*	764.482	4⁻		
		424.220 *4*	60 *3*	632.4820	1⁻,2⁻	M1	0.1306
		607.20 *4*	30 *8*	449.5701	3⁻		
		717.32[c] *4*	100[c] *22*	339.2910	1⁻		
1061.285	3⁻	164.713 *1*	100 *10*	896.5723	1⁻,2⁻		
		167.012[c] *15*	10.7[c] *21*	894.2716	3⁻	M1	1.685
		435.861 *24*	3.6 *7*	625.4302	3⁻		

$^{198}_{79}Au_{119}$-15

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ [†‡]	I_γ [‡]	E_f	J_f^π	Mult.[&]	α[b]
1061.285	3⁻	532.20[c] *5*	7.1[c] *7*	529.1685	3⁻		
		549.68[c] *3*	7.1[c] *14*	511.5173	3⁻		
		578.959 *14*	17.9 *14*	482.3272	4⁺		
		813.57[c] *7*	11[c] *3*	247.5731	1⁻		
		1006.32[c] *8*	46[c] *4*	55.1812	1⁻		
1075.560	1⁻,2⁻,3⁻	563.97[c] *3*	3.0[c] *4*	511.5173	3⁻		
		712.70[c] *3*	5.1[c] *6*	362.8995	2⁻		
		839.53 *4*	100 *24*	236.0453	3⁻		
1092.876	0⁻	460.385 *5*	100 *4*	632.4820	1⁻,2⁻		
		639.04[c] *3*	75[c] *4*	453.8250	2⁻		
1095.499	3⁺	458.369 *4*	100 *10*	637.125	4⁺	M1	0.1064
		566.32[c] *3*	13.6[c] *23*	529.1685	3⁻		
1104.835	0⁻,1⁻,2⁻	376.154 *7*	10.0 *10*	728.634	0⁻		
		432.169 *11*	5.0 *5*	672.6548	1⁻,2⁻,3⁻		
		574.373 *13*	100 *3*	530.4782	1⁻	M1	0.0588
		857.19[c] *7*	50[c] *11*	247.5731	1⁻		
1108.873	1⁻,2⁻	273.519 *10*	15.4 *15*	835.366	3⁻		
		406.397[c] *8*	7.7[c] *8*	702.4811	2⁻		
		483.41[c] *5*	7.7[c] *8*	625.4302	3⁻		
		769.63[c] *3*	46[c] *9*	339.2910	1⁻		
		849.56 *5*	85 *16*	259.3406	1⁻	M1	0.0214
		872.86[c] *4*	100[c] *13*	236.0453	3⁻		
		915.91[c] *3*	69[c] *12*	192.9441	1⁻		
1115.265	3⁻	315.240[c] *17*	27[c] *7*	800.0388	2⁻		
		328.706 *4*	100.0 *13*	786.5359	2⁻	M1	0.259
		566.32[c] *3*	20[c] *3*	548.9342	2⁻		
		584.73 *8*	40 *16*	530.4782	1⁻		
1124.881	1⁻,2⁻	360.399 *3*	13.8 *7*	764.482	4⁻		
		877.33 *3*	100 *21*	247.5731	1⁻	M1	0.0197
		888.60[c] *11*	28[c] *10*	236.0453	3⁻		
1157.2381	3⁻	355.530 *2*	100.0 *21*	801.7064	1⁻,2⁻	M1	0.210
		398.844 *12*	4.8 *5*	758.398	4⁺		
		484.536[c] *15*	4.8[c] *5*	672.6548	1⁻,2⁻,3⁻		
		524.744 *20*	86 *24*	632.4820	1⁻,2⁻		
		828.85[c] *6*	17[c] *3*	328.4833	3⁻		
		909.61[c] *4*	29[c] *4*	247.5731	1⁻		
		1157.25 *6*	43 *12*	0.0	2⁻	M1	0.00977
1160.018	3⁻	456.290 *4*	100.0 *10*	703.7298	1⁻		
		457.65[c] *7*	8[c] *3*	702.4811	2⁻		
		797.102 *20*	12.7 *22*	362.8995	2⁻		
		898.53[c] *5*	32[c] *5*	261.4047	2⁻		

$^{198}_{79}Au_{119}$-16

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ [†‡]	I_γ [‡]	E_f	J_f^π	Mult.[&]	α[b]
1160.018	3⁻	923.86[c] *7*	17.5[c] *14*	236.0453	3⁻		
1191.566	1⁺,2⁺,3⁺	159.281 *6*	60 *12*	1032.254	3⁻		
		234.607[c] *7*	30[c] *7*	956.9533	1⁻,2⁻		
		322.77[c] *6*	10[c] *5*	868.7734	3⁻		
		366.963[c] *11*	5.0[c] *5*	824.608	3⁺		
		405.102 *12*	5.0 *10*	786.5359	2⁻		
		620.398[c] *21*	20.0[c] *25*	571.2439	1⁻		
		828.85[c] *6*	35[c] *7*	362.8995	2⁻		
		863.01[c] *3*	100[c] *11*	328.4833	3⁻		
		976.48[c] *7*	40[c] *9*	214.9715	4⁻		
1202.268	1⁻,2⁻	241.672 *17*	15 *5*	960.633	3⁺		
		245.305 *3*	75 *8*	956.9533	1⁻,2⁻		
		285.838 *9*	10.0 *10*	916.4434	1⁻,2⁻		
		366.963[c] *11*	5.0[c] *10*	835.366	3⁻		
		457.090[c] *15*	5.0[c] *15*	745.2187	1⁻,2⁻		
		863.01[c] *3*	100[c] *11*	339.2910	1⁻		
1209.370	3⁻	248.740 *3*	34.9 *21*	960.633	3⁺		
		312.793 *14*	7.0 *9*	896.5723	1⁻,2⁻		
		464.21[c] *3*	2.3[c] *5*	745.2187	1⁻,2⁻		
		759.70 *3*	26 *3*	449.5701	3⁻		
		827.99 *9*	12 *8*	381.2002	3⁺		
		881.04[c] *6*	23[c] *5*	328.4833	3⁻		
		947.94 *3*	100 *3*	261.4047	2⁻	M1	0.01619
		1016.34[c] *16*	11.6[c] *19*	192.9441	1⁻		
1232.8019	3⁻	249.715[c] *14*	13[c] *4*	983.0868	2⁺		
		300.845 *12*	13.3 *13*	931.944	3⁻		
		364.019[c] *3*	93.3[c] *27*	868.7734	3⁻	M1	0.197
		432.96 *10*	13 *7*	800.0388	2⁻		
		487.589[c] *3*	60[c] *5*	745.2187	1⁻,2⁻		
		779.03[c] *4*	40[c] *5*	453.8250	2⁻		
		783.19 *3*	100 *16*	449.5701	3⁻	M1	0.0264
1240.380	3⁻	83.142 *8*	100 *40*	1157.2381	3⁻		
		252.828 *8*	22 *6*	987.5743	3⁻		
		607.914 *13*	17.4 *17*	632.4820	1⁻,2⁻		
		614.98[c] *6*	9[c] *3*	625.4302	3⁻		
		696.415 *15*	26.1 *13*	544.0093	4⁻	M1	0.0357
		744.857[c] *24*	61[c] *4*	495.5114	1⁻		
		1025.48[c] *13*	26.1[c] *22*	214.9715	4⁻		
1256.018	1⁻,2⁻	361.745 *6*	11.9 *17*	894.2716	3⁻		
		725.747 *15*	21.4 *12*	530.4782	1⁻		
		927.39[c] *7*	100[c] *38*	328.4833	3⁻		

$^{198}_{79}Au_{119}$-17

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ [†‡]	I_γ [‡]	E_f	J_f^π	Mult.[&]	α[b]	Comments
1256.018	1⁻,2⁻	1040.77[c] *11*	28.6[c] *14*	214.9715	4⁻			
		1200.75 *12*	33.3 *26*	55.1812	1⁻	M1	0.0089	
1265.523	1⁻,2⁻,3⁻	619.105 *8*	71 *3*	646.411	0⁺			
		640.071 *13*	43 *4*	625.4302	3⁻			
		811.710 *14*	79 *5*	453.8250	2⁻			
		815.964 *17*	100 *15*	449.5701	3⁻	M1	0.0237	
		1006.32[c] *8*	93[c] *9*	259.3406	1⁻			
1272.1510	3⁻	315.240[c] *17*	13[c] *3*	956.9533	1⁻,2⁻			
		377.874 *2*	25.0 *19*	894.2716	3⁻			
		447.522[c] *5*	15.6[c] *6*	824.608	3⁺			
		461.715[c] *21*	6.3[c] *6*	810.426	3⁺			
		639.662 *11*	21.9 *16*	632.4820	1⁻,2⁻			
		742.91[c] *10*	19[c] *7*	529.1685	3⁻			
		776.627[c] *22*	50[c] *5*	495.5114	1⁻			
		818.29 *3*	31 *4*	453.8250	2⁻			
		822.539[c] *20*	44[c] *5*	449.5701	3⁻			
		1012.79[c] *13*	25.0[c] *22*	259.3406	1⁻			
		1079.191 *17*	100 *8*	192.9441	1⁻	(E2)	0.00495	
		1272.16[c] *11*	41[c] *4*	0.0	2⁻			
1286.746	2⁻	239.634[c] *15*	5.3[c] *18*	1047.124	1⁻,2⁻			
		299.161[c] *12*	7.9[c] *11*	987.5743	3⁻			
		335.297 *4*	10.5 *5*	951.443	3⁺	E1[a]	0.0208	Mult.: M1 from internal conversion electron measurements (1996Ma70,1996Ma75).
		451.359 *18*	2.6 *3*	835.366	3⁻			
		476.24 *9*	5.3 *5*	810.426	3⁺			
		742.91[c] *10*	16[c] *6*	544.0093	4⁻			
		923.86[c] *7*	29.0[c] *24*	362.8995	2⁻			
		1025.48[c] *13*	15.8[c] *13*	261.4047	2⁻			
		1050.728 *16*	100 *11*	236.0453	3⁻	M1	0.01246	
1293.902	1⁻,2⁻	201.015 *12*	20 *6*	1092.876	0⁻	M1	1.002	
		275.470[c] *7*	40[c] *7*	1018.430	1⁻,2⁻			
		397.330 *14*	6.7 *13*	896.5723	1⁻,2⁻			
		402.297 *20*	6.7 *20*	891.616	1⁻,2⁻			
		798.417[c] *16*	73[c] *8*	495.5114	1⁻	M1	0.0251	
		1034.48 *8*	53 *3*	259.3406	1⁻			
		1046.16 *8*	100 *6*	247.5731	1⁻			
1297.133	1⁻,2⁻,3⁻	340.19 *5*	6.9 *21*	956.9533	1⁻,2⁻			
		405.514 *8*	3.5 *3*	891.616	1⁻,2⁻			
		461.715[c] *21*	3.5[c] *3*	835.366	3⁻			
		766.73 *4*	6.9 *24*	530.4782	1⁻			
		767.92[c] *4*	22.4[c] *17*	529.1685	3⁻			
		891.16 *4*	19 *8*	406.0080	2⁻			

$^{198}_{79}Au_{119}$-18

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J^π_i	E_γ[†‡]	I_γ[‡]	E_f	J^π_f	Mult.[&]	α[b]
1297.133	1⁻,2⁻,3⁻	915.91[c] *3*	15.5[c] *26*	381.2002	3⁺		
		934.33 *4*	12.1 *9*	362.8995	2⁻		
		1297.137 *17*	100 *21*	0.0	2⁻	M1	0.00735
1301.045	2⁻	406.757[c] *18*	4.6[c] *9*	894.2716	3⁻		
		490.616 *7*	22.7 *9*	810.426	3⁺		
		668.572 *7*	100 *5*	632.4820	1⁻,2⁻		
		756.999[c] *18*	36.4[c] *27*	544.0093	4⁻		
		1064.78[c] *9*	91[c] *18*	236.0453	3⁻		
		1300.92 *7*	91 *37*	0.0	2⁻		
1304.8244	3⁻	272.564 *5*	26.5 *21*	1032.254	3⁻		
		317.271 *10*	35 *7*	987.5743	3⁻		
		344.172[c] *4*	8.8[c] *6*	960.633	3⁺		
		347.877[c] *2*	44.1[c] *9*	956.9533	1⁻,2⁻	M1	0.222
		386.193 *13*	2.9 *6*	918.5889	1⁻,2⁻		
		436.037 *8*	5.9 *6*	868.7734	3⁻		
		793.38[c] *5*	8.8[c] *27*	511.5173	3⁻		
		822.539[c] *20*	41[c] *4*	482.3272	4⁺		
		976.48[c] *7*	24[c] *5*	328.4833	3⁻		
		1068.52[c] *11*	20.6[c] *15*	236.0453	3⁻		
		1304.76 *6*	100 *16*	0.0	2⁻		
1306.853	2⁻	181.966 *9*	57 *15*	1124.881	1⁻,2⁻	M1	1.324
		202.006 *3*	86 *9*	1104.835	0⁻,1⁻,2⁻	M1	0.988
		374.922[c] *3*	50[c] *4*	931.944	3⁻		
		542.373[c] *8*	100.0[c] *21*	764.482	4⁻		
		681.40 *4*	14 *3*	625.4302	3⁻		
		762.91 *6*	20 *4*	544.0093	4⁻		
		777.696 *14*	29 *4*	529.1685	3⁻	M1	0.0268
		857.19[c] *7*	86[c] *10*	449.5701	3⁻		
		938.70 *3*	71 *14*	368.2567	1⁻	M1	0.01659
		1306.82 *5*	79 *4*	0.0	2⁻	E2	0.00345
1318.628	1⁻,2⁻	357.91[c] *3*	11.8[c] *24*	960.633	3⁺		
		483.305 *15*	11.8 *12*	835.366	3⁻		
		516.891[c] *18*	11.8[c] *12*	801.7064	1⁻,2⁻		
		532.20[c] *5*	11.8[c] *12*	786.5359	2⁻		
		573.27[c] *8*	100[c] *3*	745.2187	1⁻,2⁻		
		614.98[c] *6*	12[c] *4*	703.7298	1⁻		
		769.63[c] *3*	35[c] *7*	548.9342	2⁻		
		788.162 *18*	82.4 *11*	530.4782	1⁻	M1	0.0259
		807.04 *5*	35 *6*	511.5173	3⁻		
		864.77 *3*	59 *10*	453.8250	2⁻		
		950.38 *5*	47 *5*	368.2567	1⁻	M1	0.01608
		979.46 *7*	59 *11*	339.2910	1⁻		

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J^{π}_i	E_γ[†‡]	I_γ[‡]	E_f	J^{π}_f	Mult.[&]	α[b]
1325.830	2^-	342.81 3	5.9 12	983.0868	2^+		
		393.881 2	88.2 18	931.944	3^-	M1	0.1592
		457.090[c] 15	2.9[c] 9	868.7734	3^-		
		525.838 7	17.7 18	800.0388	2^-		
		653.23 4	8.8 15	672.6548	$1^-,2^-,3^-$		
		978.85 5	56 4	346.9062	2^-		
		1064.45 7	38.2 21	261.4047	2^-		
		1132.93 3	100 13	192.9441	1^-	M1	0.01030
1335.542	$1^-,2^-,3^-$	336.320 3	18.2 18	999.212	$1^-,2^-$		
		374.922[c] 3	31.8[c] 27	960.633	3^+		
		443.85[c] 3	55[c] 8	891.616	$1^-,2^-$		
		824.12 7	18 6	511.5173	3^-		
		1076.38[c] 10	41[c] 6	259.3406	1^-		
		1120.54 10	46 5	214.9715	4^-		
		1335.51 5	100 20	0.0	2^-	M1	0.00684
1338.171	3^-	281.432 7	21 6	1056.719	2^-		
		291.025[c] 19	8.3[c] 21	1047.124	$1^-,2^-$		
		355.100[c] 5	8.3[c] 13	983.0868	2^+		
		366.332 9	4.2 4	971.8210	3^-		
		443.85[c] 3	50[c] 8	894.2716	3^-		
		712.70[c] 3	20.8[c] 25	625.4302	3^-		
		794.174 10	100 5	544.0093	4^-	M1	0.0254
		888.60[c] 11	33[c] 12	449.5701	3^-		
		1076.81[c] 5	63[c] 8	261.4047	2^-		
		1338.09 8	67 9	0.0	2^-	M1	0.00681
1359.038	$1^-,2^-,3^-$	311.905[c] 3	100.0[c] 20	1047.124	$1^-,2^-$	M1	0.299
		613.844 9	9.4 6	745.2187	$1^-,2^-$		
		712.70[c] 3	7.8[c] 9	646.411	0^+		
		810.119 6	54.7 11	548.9342	2^-	M1	0.0242
		996.10[c] 6	20[c] 6	362.8995	2^-		
		1111.64 7	78 7	247.5731	1^-		
1363.350	$1^-,2^-,3^-$	238.477 16	15 3	1124.881	$1^-,2^-$		
		406.397[c] 8	2.44[c] 24	956.9533	$1^-,2^-$		
		444.754 6	17.1 5	918.5889	$1^-,2^-$		
		471.739 8	7.3 5	891.616	$1^-,2^-$		
		552.98[c] 15	7[c] 4	810.426	3^+		
		598.846 17	7.3 10	764.482	4^-		
		730.83[c] 3	22[c] 7	632.4820	$1^-,2^-$		
		881.04[c] 6	24[c] 5	482.3272	4^+		
		909.61[c] 4	29[c] 4	453.8250	2^-		
		913.752 16	100 14	449.5701	3^-	M1	0.01777
		1000.40 5	34 6	362.8995	2^-		

$^{198}_{79}Au_{119}$-20

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ[†‡]	I_γ[‡]	E_f	J_f^π	Mult.[&]	α[b]	Comments
1363.350	1⁻,2⁻,3⁻	1016.34[c] *16*	12.2[c] *20*	346.9062	2⁻			
		1101.86 *4*	56.1 *22*	261.4047	2⁻	M1	0.01105	
		1272.16[c] *11*	32[c] *3*	91.0059	0⁻			
		1308.45 *17*	39 *7*	55.1812	1⁻	M1	0.00719	
		1363.39 *6*	85 *6*	0.0	2⁻	M1	0.0065	
1371.502	1⁻,2⁻	296.025[c] *22*	3.5[c] *7*	1075.560	1⁻,2⁻,3⁻			
		414.583 *17*	3.5 *7*	956.9533	1⁻,2⁻			
		570.02 *10*	10.3 *7*	801.7064	1⁻,2⁻			
		746.061[c] *19*	62[c] *3*	625.4302	3⁻			
		800.31 *5*	14 *4*	571.2439	1⁻			
		1316.52 *9*	100 *10*	55.1812	1⁻			
1375.974	1⁻,2⁻	135.615 *6*	54 *14*	1240.380	3⁻			
		271.144[c] *4*	58[c] *5*	1104.835	0⁻,1⁻,2⁻	(M1)	0.438	
		283.076 *22*	8.3 *17*	1092.876	0⁻	M1	0.389	
		376.795 *17*	17 *5*	999.212	1⁻,2⁻			
		459.514 *12*	12.5 *8*	916.4434	1⁻,2⁻			
		647.307[c] *6*	71[c] *4*	728.634	0⁻	M1	0.0431	
		926.60[c] *12*	16.7[c] *17*	449.5701	3⁻			
		1012.79[c] *13*	33[c] *3*	362.8995	2⁻			
		1114.51 *5*	100 *5*	261.4047	2⁻			
		1128.52 *6*	79 *3*	247.5731	1⁻	E2	0.00454	
1380.884	3⁻	319.597 *13*	6.5 *10*	1061.285	3⁻			
		362.453[c] *5*	16.1[c] *19*	1018.430	1⁻,2⁻			
		448.924 *8*	9.7 *7*	931.944	3⁻			
		489.273[c] *5*	16.1[c] *13*	891.616	1⁻,2⁻			
		591.625[c] *16*	12.9[c] *16*	789.2974	1⁻			
		616.386 *10*	19.4 *26*	764.482	4⁻			
		898.53[c] *5*	65[c] *10*	482.3272	4⁺			
		999.74 *3*	100 *5*	381.2002	3⁺	E1+M2[a]	0.018 *17*	Mult.: M1+E2 from internal conversion electron measurements (1996Ma70,1996Ma75).
		1012.79[c] *13*	25.8[c] *23*	368.2567	1⁻			
		1187.73[c] *9*	65[c] *14*	192.9441	1⁻			
1390.227	2⁻	230.212 *6*	14.3 *21*	1160.018	3⁻			
		357.91[c] *3*	14[c] *3*	1032.254	3⁻			
		495.955 *4*	36 *4*	894.2716	3⁻			
		717.66 *5*	36 *7*	672.6548	1⁻,2⁻,3⁻			
		846.15 *5*	100 *19*	544.0093	4⁻			
		1027.12 *9*	64 *4*	362.8995	2⁻			
1396.141	3⁻	300.646 *7*	11.1 *8*	1095.499	3⁺			
		357.91[c] *3*	5.6[c] *11*	1038.2744	3⁻			
		408.558 *8*	8.3 *3*	987.5743	3⁻			
		464.21[c] *3*	2.8[c] *6*	931.944	3⁻			

$^{198}_{79}Au_{119}$-21

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ †‡	I_γ ‡	E_f	J_f^π	Mult.&	α[b]	Comments
1396.141	3⁻	499.562[c] *19*	5.6[c] *6*	896.5723	1⁻,2⁻			
		1033.08[c] *10*	19.4[c] *14*	362.8995	2⁻	M1	0.01301	
		1049.23 *5*	39 *4*	346.9062	2⁻	M1	0.01251	
		1148.65 *5*	100 *4*	247.5731	1⁻	E2[a]	0.00439	Mult.: M1 from internal conversion electron measurements (1996Ma70,1996Ma75).
		1396.09[c] *15*	53[c] *5*	0.0	2⁻	M1	0.00614	
1399.342	2⁻,3⁻	338.055 *10*	4.6 *9*	1061.285	3⁻			
		442.379[c] *5*	22.7[c] *9*	956.9533	1⁻,2⁻			
		563.97[c] *3*	13.6[c] *18*	835.366	3⁻			
		574.83 *5*	63.6 *14*	824.608	3⁺			
		597.71[c] *5*	22.7[c] *18*	801.7064	1⁻,2⁻			
		612.93[c] *7*	59[c] *11*	786.5359	2⁻			
		695.654 *14*	31.8 *18*	703.7298	1⁻			
		774.07 *6*	36 *5*	625.4302	3⁻			
		1018.02 *8*	68 *13*	381.2002	3⁺			
		1344.26 *7*	100 *14*	55.1812	1⁻	M1	0.00673	
1402.086	1⁻,2⁻	483.41[c] *5*	3.9[c] *4*	918.5889	1⁻,2⁻			
		485.638 *5*	85 *8*	916.4434	1⁻,2⁻			
		566.80[c] *4*	11.5[c] *19*	835.366	3⁻			
		591.625[c] *16*	15.4[c] *19*	810.426	3⁺			
		612.93[c] *7*	50[c] *10*	789.2974	1⁻			
		615.582[c] *9*	26.9[c] *15*	786.5359	2⁻			
		769.63[c] *3*	23[c] *5*	632.4820	1⁻,2⁻			
		776.627[c] *22*	62[c] *6*	625.4302	3⁻			
		830.78 *3*	39 *5*	571.2439	1⁻	M1	0.0227	
		872.86[c] *4*	50[c] *7*	529.1685	3⁻			
		952.485 *19*	100 *7*	449.5701	3⁻	(E2)	0.00633	
		996.10[c] *6*	46[c] *8*	406.0080	2⁻			
		1187.32[c] *12*	81[c] *4*	214.9715	4⁻			
1404.893	2⁻,3⁻	296.025[c] *22*	7.1[c] *14*	1108.873	1⁻,2⁻			
		448.004 *17*	7.1 *7*	956.9533	1⁻,2⁻			
		615.582[c] *9*	50[c] *3*	789.2974	1⁻			
		732.20[c] *3*	100[c] *4*	672.6548	1⁻,2⁻,3⁻	M1	0.0313	
		1076.38[c] *10*	64[c] *10*	328.4833	3⁻			
		1189.77 *7*	100 *22*	214.9715	4⁻			
1409.399	3⁻	122.652 *1*	100 *9*	1286.746	2⁻			
		313.82[c] *3*	0.91[c] *18*	1095.499	3⁺			
		333.839 *2*	13.6 *3*	1075.560	1⁻,2⁻,3⁻	M1	0.248	
		515.140[c] *4*	12.7[c] *6*	894.2716	3⁻			
		664.152 *24*	6.4 *6*	745.2187	1⁻,2⁻			
		838.23 *4*	15.5 *25*	571.2439	1⁻			

$^{198}_{79}Au_{119}$-22

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ [†‡]	I_γ [‡]	E_f	J_f^π	Mult.[&]	α[b]	Comments
1409.399	3⁻	1028.19 *5*	13 *3*	381.2002	3⁺			
		1062.55 *8*	10.0 *6*	346.9062	2⁻			
		1216.62[c] *8*	26.4[c] *16*	192.9441	1⁻	E2	0.00394	
1418.686	3⁺,4⁺	313.82[c] *3*	2.6[c] *5*	1104.835	0⁻,1⁻,2⁻			
		386.420[c] *2*	10[c] *7*	1032.254	3⁻			
		458.049[c] *3*	100.0[c] *10*	960.633	3⁺	M1	0.1066	
		461.715[c] *21*	5.1[c] *5*	956.9533	1⁻,2⁻			
		594.19[c] *5*	15.4[c] *26*	824.608	3⁺			
		617.04[c] *3*	7.7[c] *13*	801.7064	1⁻,2⁻			
		654.206 *7*	30.8 *21*	764.482	4⁻	E1[a]	0.00494	Mult.: M1 from internal conversion electron measurements (1996Ma70,1996Ma75).
		660.322 *13*	23.1 *15*	758.398	4⁺			
		746.061[c] *19*	46.2[c] *23*	672.6548	1⁻,2⁻,3⁻			
		786.19[c] *6*	21[c] *3*	632.4820	1⁻,2⁻			
		793.38[c] *5*	7.7[c] *23*	625.4302	3⁻			
		889.53 *9*	26 *6*	529.1685	3⁻			
		1012.79[c] *13*	20.5[c] *18*	406.0080	2⁻			
1423.795	3⁻	385.553[c] *15*	3.9[c] *8*	1038.2744	3⁻			
		451.944 *12*	7.7 *8*	971.8210	3⁻			
		532.20[c] *5*	7.7[c] *8*	891.616	1⁻,2⁻			
		588.419 *6*	34.6 *8*	835.366	3⁻			
		623.757 *12*	23.1 *19*	800.0388	2⁻	M1	0.0474	
		798.417[c] *16*	42[c] *5*	625.4302	3⁻	M1	0.0251	
		1060.937 *21*	100 *6*	362.8995	2⁻	M1	0.01216	
		1076.81[c] *5*	58[c] *8*	346.9062	2⁻			
		1187.73[c] *9*	77[c] *17*	236.0453	3⁻			
1431.645	2⁻,3⁻	322.77[c] *6*	3.9[c] *17*	1108.873	1⁻,2⁻			
		336.054 *18*	1.9 *4*	1095.499	3⁺			
		356.077 *7*	1.92 *19*	1075.560	1⁻,2⁻,3⁻			
		374.922[c] *3*	13.5[c] *15*	1056.719	2⁻			
		448.566 *3*	30.8 *6*	983.0868	2⁺			
		785.37[c] *6*	9.6[c] *23*	646.411	0⁺			
		806.13 *3*	17.3 *19*	625.4302	3⁻			
		902.500 *15*	100 *9*	529.1685	3⁻			
		920.10 *6*	21 *5*	511.5173	3⁻	M1	0.01746	
		936.10 *4*	11.5 *19*	495.5114	1⁻			
		1025.48[c] *13*	11.5[c] *10*	406.0080	2⁻			
		1068.52[c] *11*	13.5[c] *10*	362.8995	2⁻			
		1195.50 *7*	38.5 *27*	236.0453	3⁻			
		1216.62[c] *8*	56[c] *3*	214.9715	4⁻	E2	0.00394	
		1431.42 *13*	38 *8*	0.0	2⁻			

$^{198}_{79}Au_{119}$-23

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ [†‡]	I_γ [‡]	E_f	J_f^π	Mult.[&]	α[b]	Comments
1434.584	1⁻,2⁻	137.450[c] *6*	29[c] *9*	1297.133	1⁻,2⁻,3⁻			
		341.693 *8*	18 *3*	1092.876	0⁻			
		373.37 *3*	6.5 *19*	1061.285	3⁻			
		446.997[c] *11*	3.2[c] *3*	987.5743	3⁻			
		538.011[c] *17*	4.8[c] *3*	896.5723	1⁻,2⁻			
		730.83[c] *3*	15[c] *5*	703.7298	1⁻			
		732.20[c] *3*	22.6[c] *10*	702.4811	2⁻	M1	0.0313	
		885.647 *16*	37 *4*	548.9342	2⁻	M1	0.0192	
		984.92 *8*	23 *5*	449.5701	3⁻			
		1028.613 *14*	100 *7*	406.0080	2⁻	M1	0.01315	
		1187.32[c] *12*	33.9[c] *18*	247.5731	1⁻			
		1379.35 *8*	30.7 *27*	55.1812	1⁻	M1	0.00632	
1444.396	3⁻	552.98[c] *15*	23[c] *12*	891.616	1⁻,2⁻			
		657.84[c] *7*	23[c] *7*	786.5359	2⁻			
		679.84 *3*	23 *4*	764.482	4⁻			
		990.60 *6*	69 *22*	453.8250	2⁻	(M1)	0.01447	
		1076.38[c] *10*	69[c] *11*	368.2567	1⁻			
		1081.60 *5*	100 *23*	362.8995	2⁻			
1453.858	3⁻	82.356 *1*	100 *11*	1371.502	1⁻,2⁻	E2[a]	11.94	Mult.: E1 from internal conversion electron measurements (1996Ma70,1996Ma75).
		406.757[c] *18*	0.32[c] *6*	1047.124	1⁻,2⁻			
		421.646 *6*	1.3 *1*	1032.254	3⁻			
		502.463 *13*	7.1 *16*	951.443	3⁺			
		521.878[c] *13*	0.65[c] *13*	931.944	3⁻			
		653.801[c] *13*	1.94[c] *16*	800.0388	2⁻			
		816.63 *4*	1.9 *4*	637.125	4⁺			
		1047.72 *7*	4.21 *26*	406.0080	2⁻			
		1085.49 *5*	8.4 *3*	368.2567	1⁻			
		1107.01 *4*	8.4 *13*	346.9062	2⁻	M1	0.01092	
1458.988	3⁻	334.113[c] *11*	11.1[c] *11*	1124.881	1⁻,2⁻			
		350.115 *2*	56 *4*	1108.873	1⁻,2⁻			
		397.672 *13*	11.1 *22*	1061.285	3⁻			
		487.167 *7*	89 *4*	971.8210	3⁻			
		502.030 *6*	33 *12*	956.9533	1⁻,2⁻			
		564.71 *3*	33 *4*	894.2716	3⁻			
		567.33 *5*	22 *6*	891.616	1⁻,2⁻			
		648.573[c] *22*	44[c] *6*	810.426	3⁺			
		786.19[c] *6*	89[c] *13*	672.6548	1⁻,2⁻,3⁻			
		947.56 *6*	100 *27*	511.5173	3⁻			
		976.48[c] *7*	89[c] *20*	482.3272	4⁺			
1472.097	3⁻	262.712 *14*	3.0 *12*	1209.370	3⁻			
		484.536[c] *15*	3.0[c] *3*	987.5743	3⁻			

$^{198}_{79}Au_{119}$-24

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ [†‡]	I_γ [‡]	E_f	J_f^π	Mult. [&]	α [b]
1472.097	3⁻	515.140 [c] *4*	21.2 [c] *8*	956.9533	1⁻,2⁻		
		520.62 [c] *4*	39 [c] *15*	951.443	3⁺		
		575.536 *11*	7.6 *6*	896.5723	1⁻,2⁻		
		682.805 *6*	22.7 *9*	789.2974	1⁻		
		769.63 [c] *3*	9.1 [c] *18*	702.4811	2⁻		
		960.47 *4*	15.2 *12*	511.5173	3⁻		
		976.48 [c] *7*	12.1 [c] *27*	495.5114	1⁻		
		1109.29 *5*	100 *17*	362.8995	2⁻	M1+E2	0.008
		1210.72 *7*	41 *4*	261.4047	2⁻		
1475.621	2⁻	137.450 [c] *6*	27 [c] *8*	1338.171	3⁻		
		170.789 *13*	8 *3*	1304.8244	3⁻		
		235.28 [c] *3*	3.0 [c] *15*	1240.380	3⁻		
		242.773 [c] *11*	4.6 [c] *11*	1232.8019	3⁻		
		266.271 *8*	7.6 *17*	1209.370	3⁻		
		488.043 *8*	6.1 *6*	987.5743	3⁻		
		557.036 *18*	4.6 *5*	918.5889	1⁻,2⁻		
		717.32 [c] *4*	15 [c] *3*	758.398	4⁺		
		829.32 *8*	6.1 *21*	646.411	0⁺		
		926.60 [c] *12*	6.1 [c] *6*	548.9342	2⁻		
		946.45 *3*	19.7 *8*	529.1685	3⁻		
		1239.590 [c] *19*	100 [c] *11*	236.0453	3⁻	E2	0.0038
1487.136	1⁻,2⁻	123.786 *1*	100 *9*	1363.350	1⁻,2⁻,3⁻		
		440.11 *4*	9 *3*	1047.124	1⁻,2⁻		
		454.887 [c] *6*	3.57 [c] *18*	1032.254	3⁻		
		499.562 [c] *19*	1.79 [c] *18*	987.5743	3⁻		
		854.60 *3*	17.9 *20*	632.4820	1⁻,2⁻	M1	0.0211
		915.91 [c] *3*	8.0 [c] *13*	571.2439	1⁻		
		1033.08 [c] *10*	6.3 [c] *5*	453.8250	2⁻	M1	0.01301
		1239.590 [c] *19*	59 [c] *7*	247.5731	1⁻	E2	0.0038
		1272.16 [c] *11*	11.6 [c] *13*	214.9715	4⁻		
		1396.09 [c] *15*	16.9 [c] *15*	91.0059	0⁻	M1	0.00614
		1432.04 *14*	28 *3*	55.1812	1⁻		
		1487.31 [c] *12*	24 [c] *3*	0.0	2⁻	M1	0.00276
1496.201	3⁻	132.851 *4*	100 *19*	1363.350	1⁻,2⁻,3⁻		
		400.703 [c] *11*	21 [c] *4*	1095.499	3⁺		
		1090.05 *8*	86 *16*	406.0080	2⁻	M1	0.01136
1505.178	1⁻,2⁻	167.012 [c] *15*	4.7 [c] *8*	1338.171	3⁻	M1	1.685
		239.634 [c] *15*	3.1 [c] *11*	1265.523	1⁻,2⁻,3⁻		
		249.239 *18*	1.6 *3*	1256.018	1⁻,2⁻		
		345.21 [c] *5*	3.1 [c] *13*	1160.018	3⁻		
		443.85 [c] *3*	19 [c] *3*	1061.285	3⁻		

$^{198}_{79}Au_{119}$-25

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ[†‡]	I_γ[‡]	E_f	J_f^π	Mult.[&]	α[b]
1505.178	1⁻,2⁻	458.049[c] *3*	60.9[c] *6*	1047.124	1⁻,2⁻	M1	0.1066
		548.246 *10*	4.7 *8*	956.9533	1⁻,2⁻		
		573.27[c] *8*	26.6[c] *8*	931.944	3⁻		
		705.10 *4*	9.4 *13*	800.0388	2⁻		
		933.89 *7*	100 *27*	571.2439	1⁻		
		993.72 *3*	44 *8*	511.5173	3⁻		
		1505.50[c] *23*	17.2[c] *23*	0.0	2⁻		
1513.564	1⁻,2⁻	206.741 *9*	2.9 *4*	1306.853	2⁻		
		398.293 *2*	18.6 *6*	1115.265	3⁻		
		466.459 *7*	11.4 *4*	1047.124	1⁻,2⁻		
		552.98[c] *15*	4.3[c] *21*	960.633	3⁺		
		617.04[c] *3*	4.3[c] *7*	896.5723	1⁻,2⁻		
		678.29 *4*	80 *21*	835.366	3⁻		
		688.967 *5*	30.0 *24*	824.608	3⁺		
		713.567 *23*	8.6 *9*	800.0388	2⁻		
		840.78 *8*	11 *4*	672.6548	1⁻,2⁻,3⁻		
		881.04[c] *6*	14[c] *3*	632.4820	1⁻,2⁻		
		983.00[c] *4*	18.6[c] *14*	530.4782	1⁻		
		1107.67 *5*	100 *14*	406.0080	2⁻	E2	0.00471
		1150.55 *8*	49 *3*	362.8995	2⁻	M1	0.00991
		1252.12 *10*	24 *3*	261.4047	2⁻		
		1422.65 *15*	14 *3*	91.0059	0⁻		
1530.702	1⁻,2⁻	339.131 *8*	2.33 *23*	1191.566	1⁺,2⁺,3⁺		
		573.750 *8*	30.2 *19*	956.9533	1⁻,2⁻		
		612.125 *9*	14.0 *9*	918.5889	1⁻,2⁻		
		639.04[c] *3*	14.0[c] *7*	891.616	1⁻,2⁻		
		728.995 *15*	35 *4*	801.7064	1⁻,2⁻	M1	0.0317
		785.37[c] *6*	12[c] *3*	745.2187	1⁻,2⁻		
		1076.81[c] *5*	35[c] *5*	453.8250	2⁻		
		1183.79 *4*	100 *7*	346.9062	2⁻	(M1,E2)	0.007
		1530.60 *8*	95 *8*	0.0	2⁻		
1536.380	1⁻,2⁻,3⁻	82.524 *1*	100 *18*	1453.858	3⁻		
		235.28[c] *3*	1.0[c] *5*	1301.045	2⁻		
		249.715[c] *14*	1.0[c] *3*	1286.746	2⁻		
		264.210[c] *3*	4.2[c] *4*	1272.1510	3⁻		
		296.025[c] *22*	0.52[c] *10*	1240.380	3⁻		
		334.113[c] *11*	0.52[c] *5*	1202.268	1⁻,2⁻		
		489.273[c] *5*	2.60[c] *21*	1047.124	1⁻,2⁻		
		504.105 *6*	4.2 *3*	1032.254	3⁻		
		552.98[c] *15*	1.6[c] *8*	983.0868	2⁺		
		642.06 *6*	0.52 *10*	894.2716	3⁻		
		833.915 *13*	7.3 *7*	702.4811	2⁻		

$^{198}_{79}Au_{119}$-26

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ[†‡]	I_γ[‡]	E_f	J_f^π	Mult.[&]	α[b]	Comments
1536.380	1⁻,2⁻,3⁻	965.14 *4*	5.7 *3*	571.2439	1⁻			
		1040.77[c] *11*	6.3[c] *3*	495.5114	1⁻			
		1053.93 *5*	10.9 *19*	482.3272	4⁺			
		1189.3 *3*	5.7 *5*	346.9062	2⁻			
		1275.05 *6*	18.2 *18*	261.4047	2⁻	M1	0.00767	
		1445.50 *10*	9.9 *17*	91.0059	0⁻			
1542.793	3⁻	270.639 *5*	7.6 *26*	1272.1510	3⁻			
		385.553[c] *15*	1.5[c] *3*	1157.2381	3⁻			
		648.573[c] *22*	6.1[c] *8*	894.2716	3⁻			
		707.447 *24*	10.6 *9*	835.366	3⁻			
		742.91[c] *10*	9[c] *3*	800.0388	2⁻			
		778.28 *7*	4.6 *23*	764.482	4⁻			
		784.36 *4*	6 *3*	758.398	4⁺			
		917.39 *6*	7.6 *17*	625.4302	3⁻	M1	0.01759	
		1047.09[c] *7*	31.8[c] *9*	495.5114	1⁻			
		1179.90 *7*	24 *9*	362.8995	2⁻	M1+E2	0.007	
		1281.55 *9*	100 *21*	261.4047	2⁻	(E2)	0.00358	
		1283.47 *13*	71 *21*	259.3406	1⁻			
		1487.31[c] *12*	41[c] *5*	55.1812	1⁻	E2[a]	0.00276	Mult.: M1 from internal conversion electron measurements (1996Ma70,1996Ma75).
1554.429	1⁻,2⁻	218.907 *8*	16 *3*	1335.542	1⁻,2⁻,3⁻	(M1)	0.790	
		362.857 *5*	10.8 *8*	1191.566	1⁺,2⁺,3⁺			
		478.83 *3*	5.4 *5*	1075.560	1⁻,2⁻,3⁻			
		497.687 *11*	8.1 *5*	1056.719	2⁻			
		566.80[c] *4*	8.1[c] *14*	987.5743	3⁻			
		597.49[c] *3*	8.1[c] *16*	956.9533	1⁻,2⁻			
		635.848 *7*	29.7 *11*	918.5889	1⁻,2⁻	M1	0.0451	
		657.84[c] *6*	8.1[c] *24*	896.5723	1⁻,2⁻			
		765.123 *16*	59 *3*	789.2974	1⁻			
		767.92[c] *4*	35.1[c] *27*	786.5359	2⁻			
		921.78 *6*	32 *7*	632.4820	1⁻,2⁻	M1	0.01738	
		929.03 *4*	46 *5*	625.4302	3⁻	M1	0.01704	
		1005.36 *5*	49 *6*	548.9342	2⁻			
		1025.48[c] *13*	16.2[c] *14*	529.1685	3⁻			
		1186.31 *10*	59 *15*	368.2567	1⁻			
		1226.01 *3*	100 *4*	328.4833	3⁻	M1+E2	0.0062	
		1361.41 *5*	97 *8*	192.9441	1⁻	M1	0.00653	
		1554.51 *7*	92 *32*	0.0	2⁻			
1560.407	3⁻	304.419 *7*	11.5 *8*	1256.018	1⁻,2⁻			
		403.141 *7*	19.2 *8*	1157.2381	3⁻			
		666.17 *6*	27 *8*	894.2716	3⁻			
		773.82 *6*	27 *7*	786.5359	2⁻			

$^{198}_{79}Au_{119}$-27

Adopted Levels, Gammas (continued)

γ(^{198}Au) (continued)

E_i(level)	J_i^π	E_γ[†][‡]	I_γ[‡]	E_f	J_f^π	Mult.[&]	α[b]
1560.407	3⁻	856.58 *6*	42 *8*	703.7298	1⁻		
		857.86 *6*	39 *8*	702.4811	2⁻		
		1016.34[c] *16*	19[c] *3*	544.0093	4⁻		
		1064.78[c] *9*	77[c] *15*	495.5114	1⁻		
		1324.41 *6*	100 *11*	236.0453	3⁻	M1	0.00698
		1505.50[c] *23*	42[c] *6*	55.1812	1⁻		

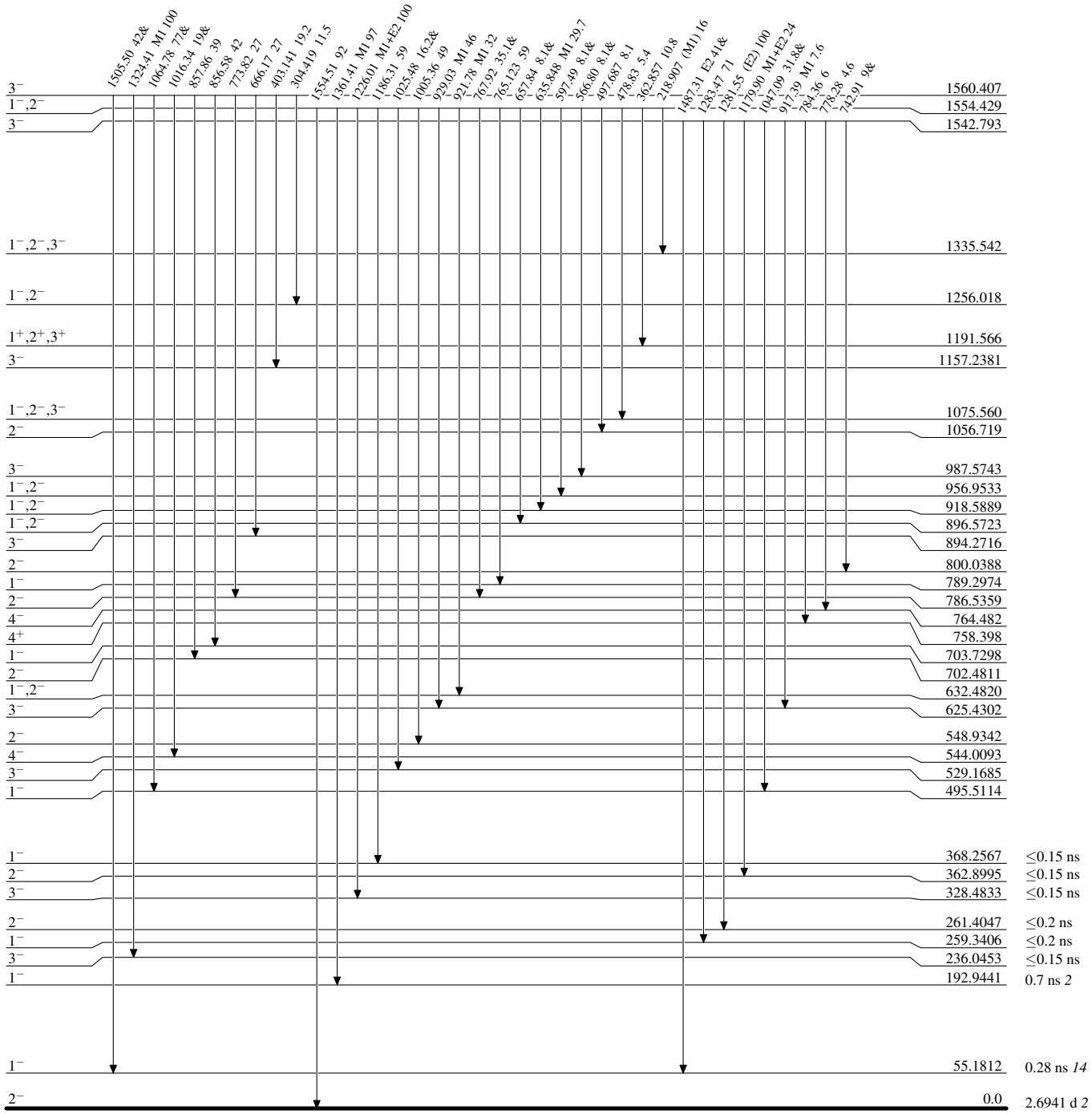
† The primary γ′s from the capture state for thermal neutron capture are not included here. See the three ^{197}Au(n,γ) data sets for these data.
‡ From secondary γ′s in ^{197}Au(n,γ), except as noted. The intensities are relative photon branching from each level.
# From ^{198}Au IT decay (2.272 d).
@ From ^{197}Au(n,γ) E=2,24 keV: Sec.
& From internal-conversion electron measurements in ^{197}Au(n,γ) (1996Ma70,1996Ma75), except as noted.
a From J^π between transition levels.
b 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.
c Multiply placed with undivided intensity.
d Placement of transition in the level scheme is uncertain.

$^{198}_{79}Au_{119}$-28

Adopted Levels, Gammas

Level Scheme

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

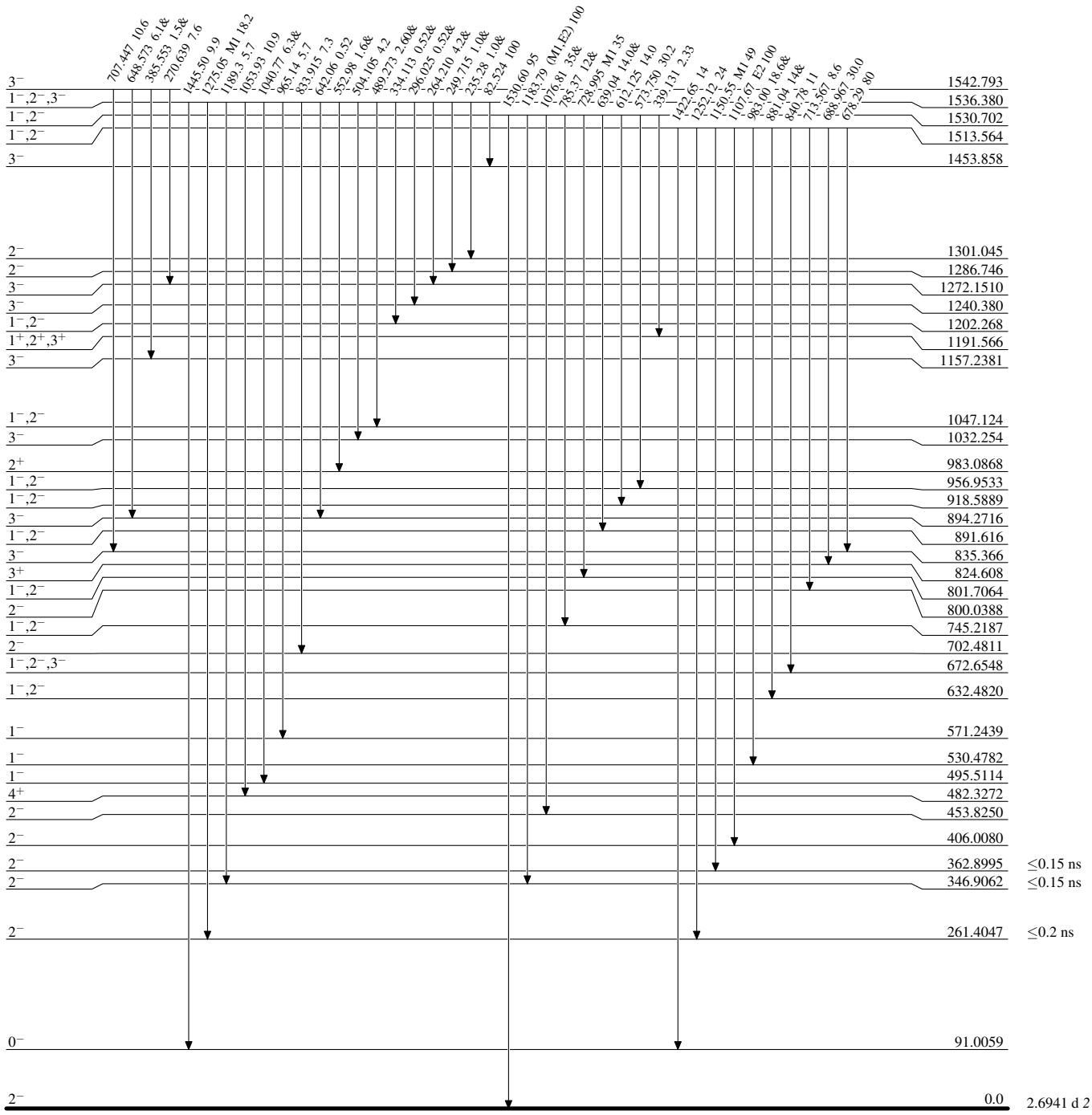


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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

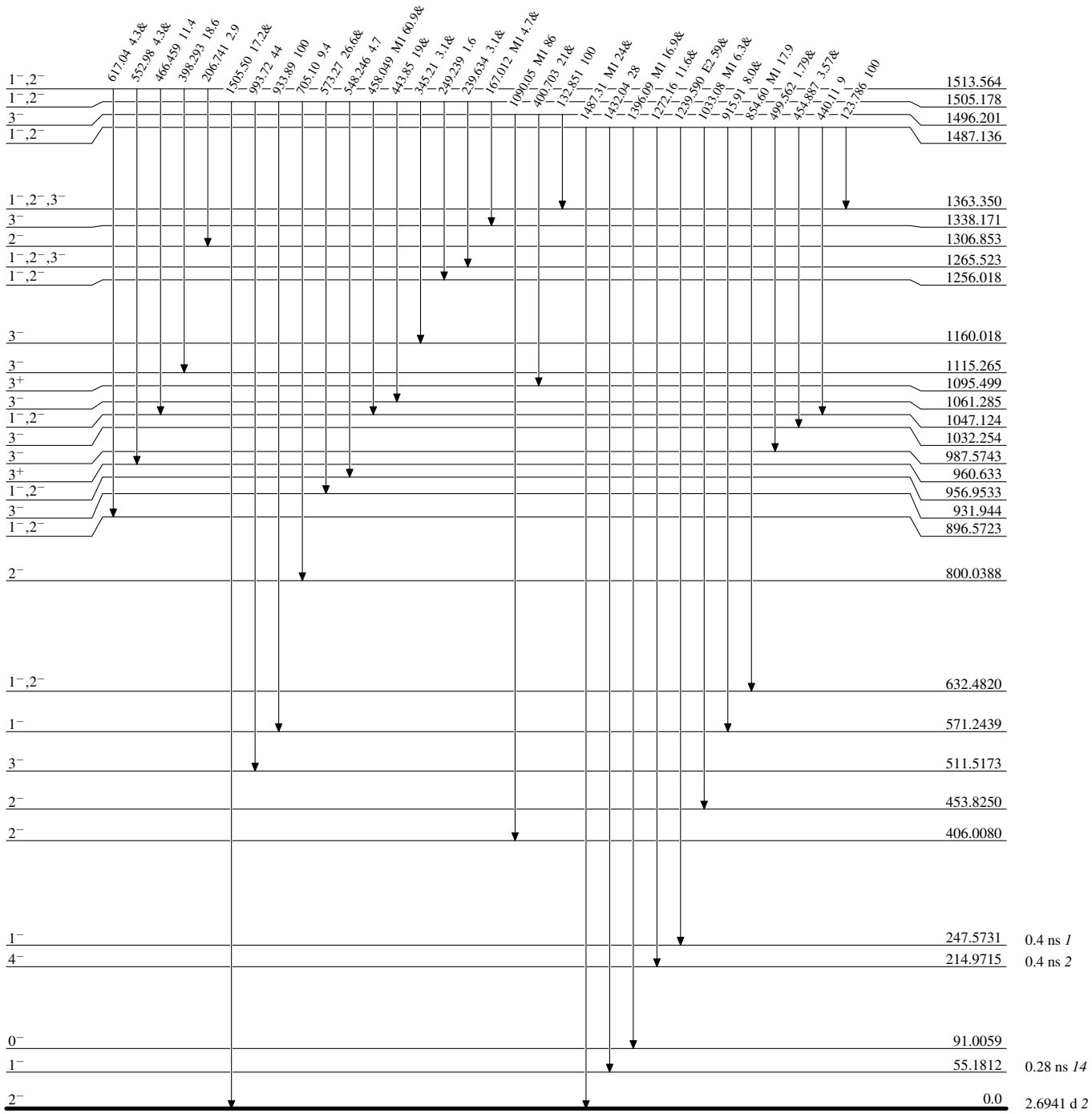


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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

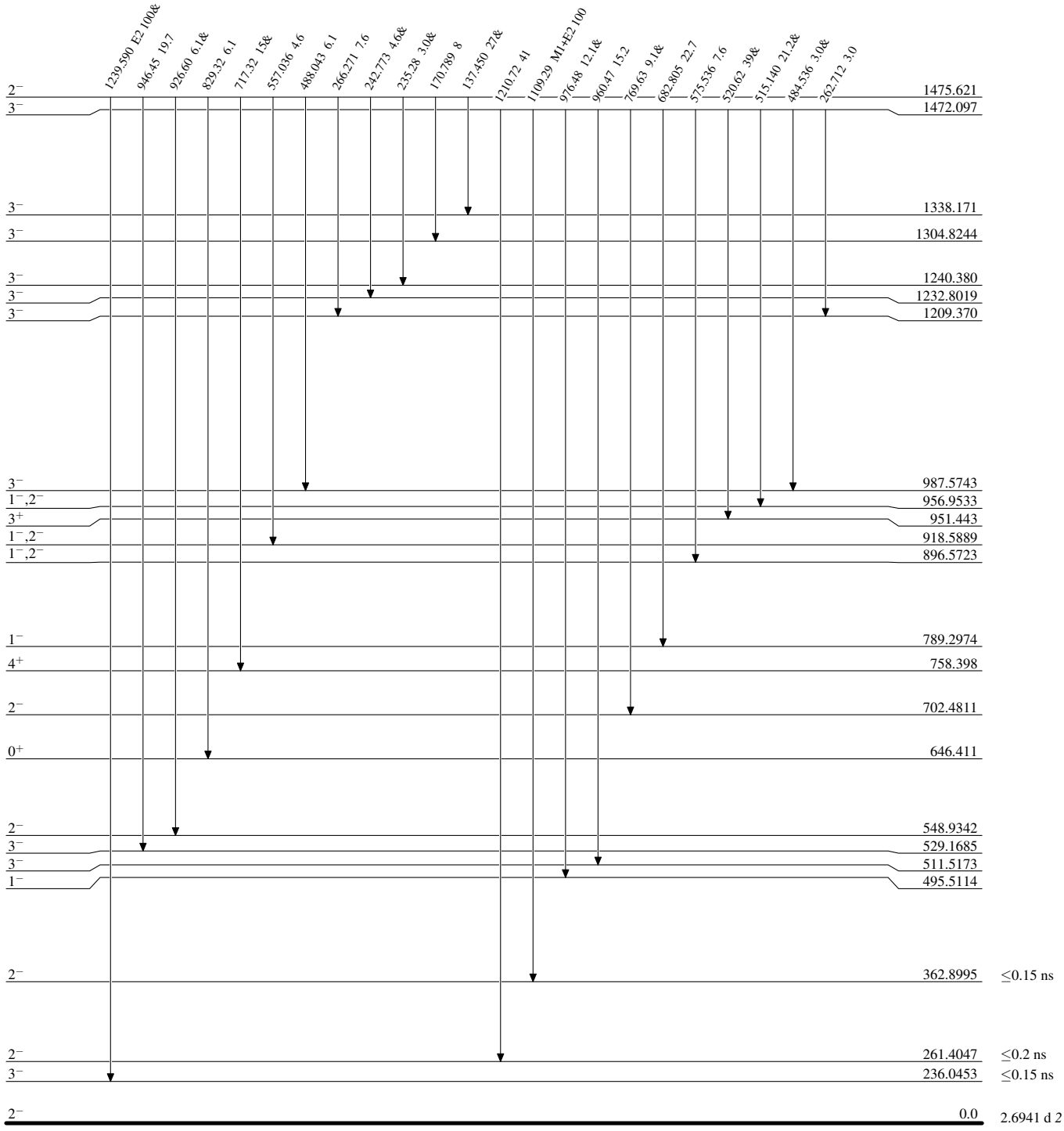


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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

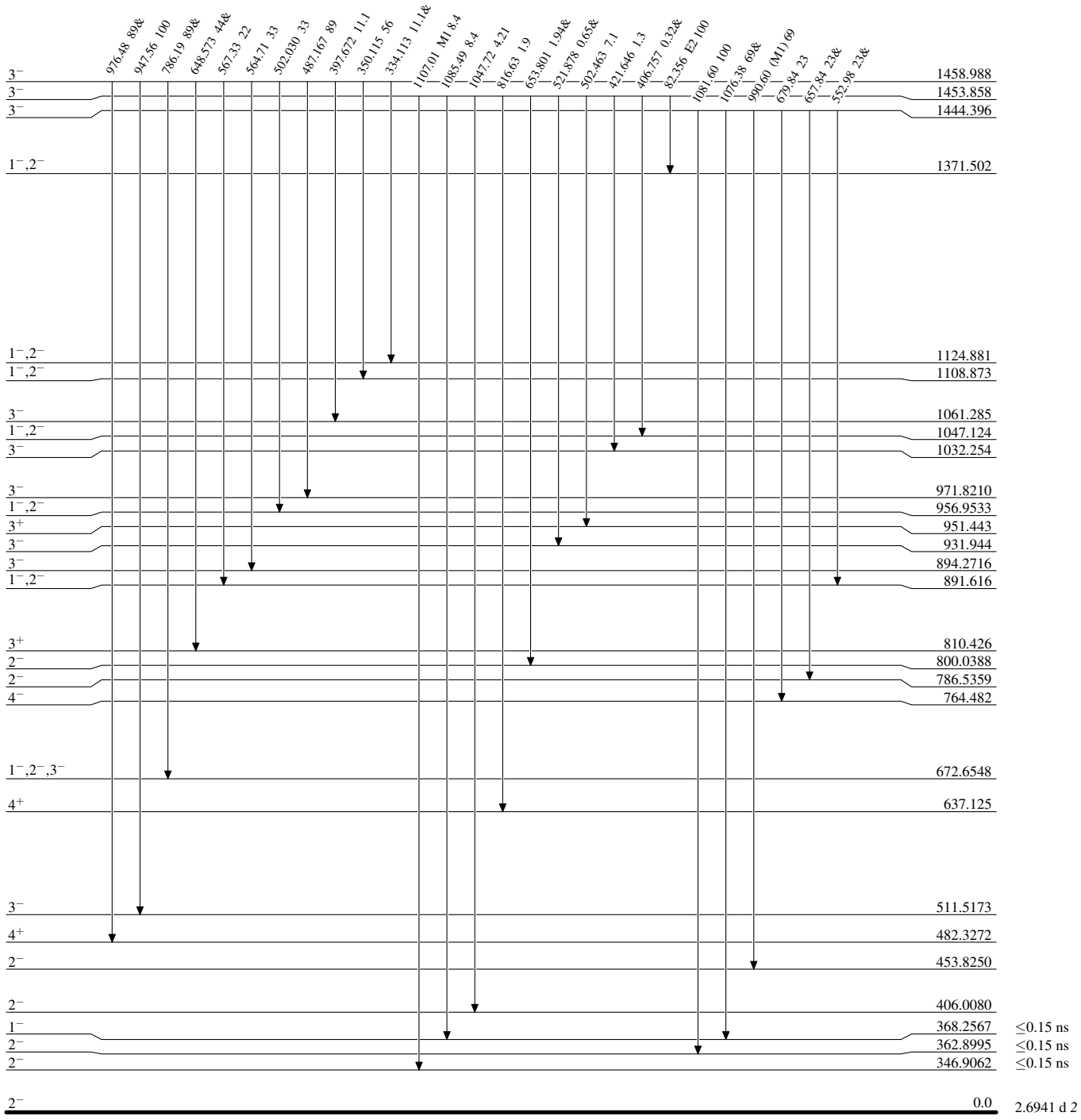


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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

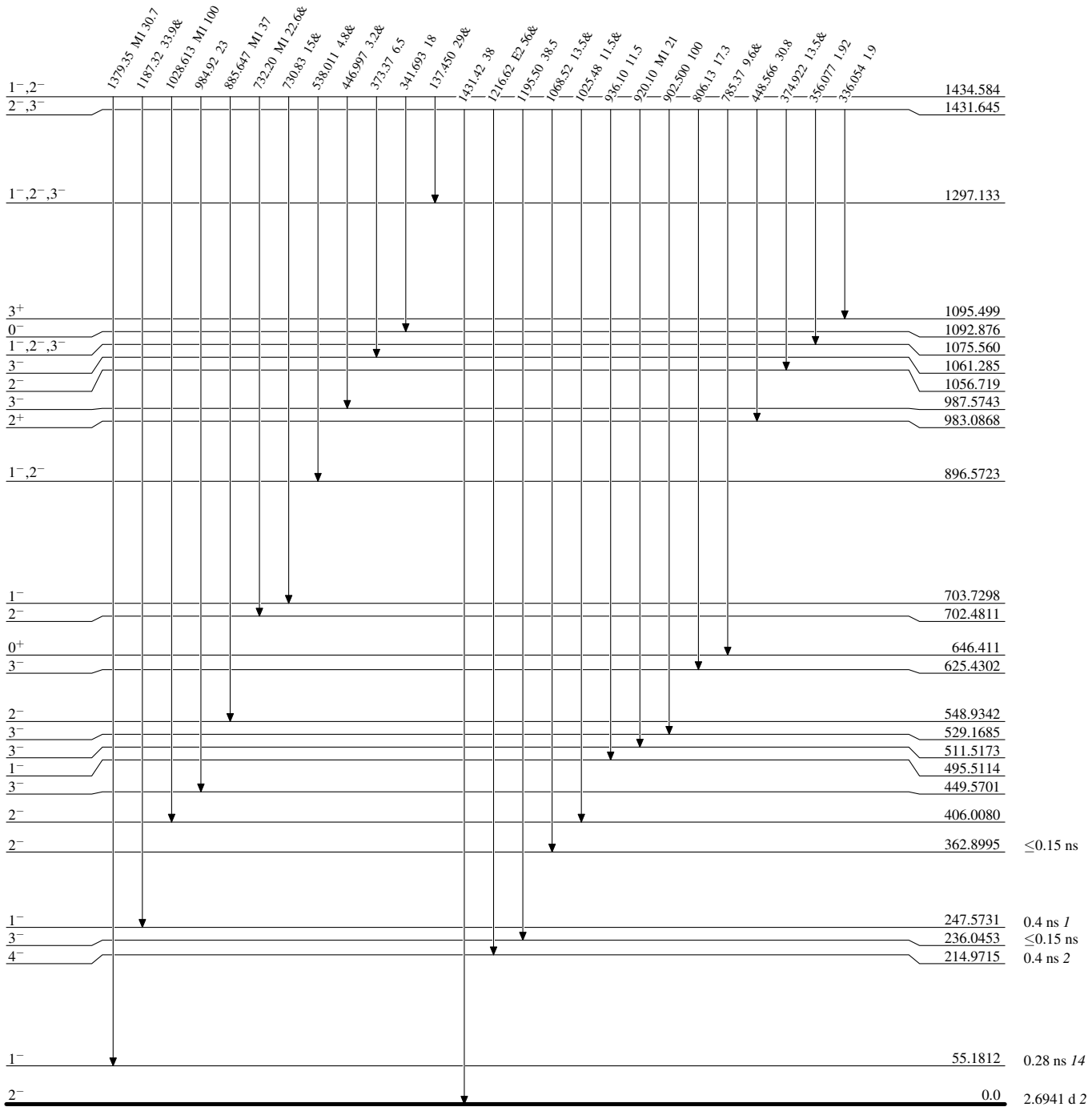


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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

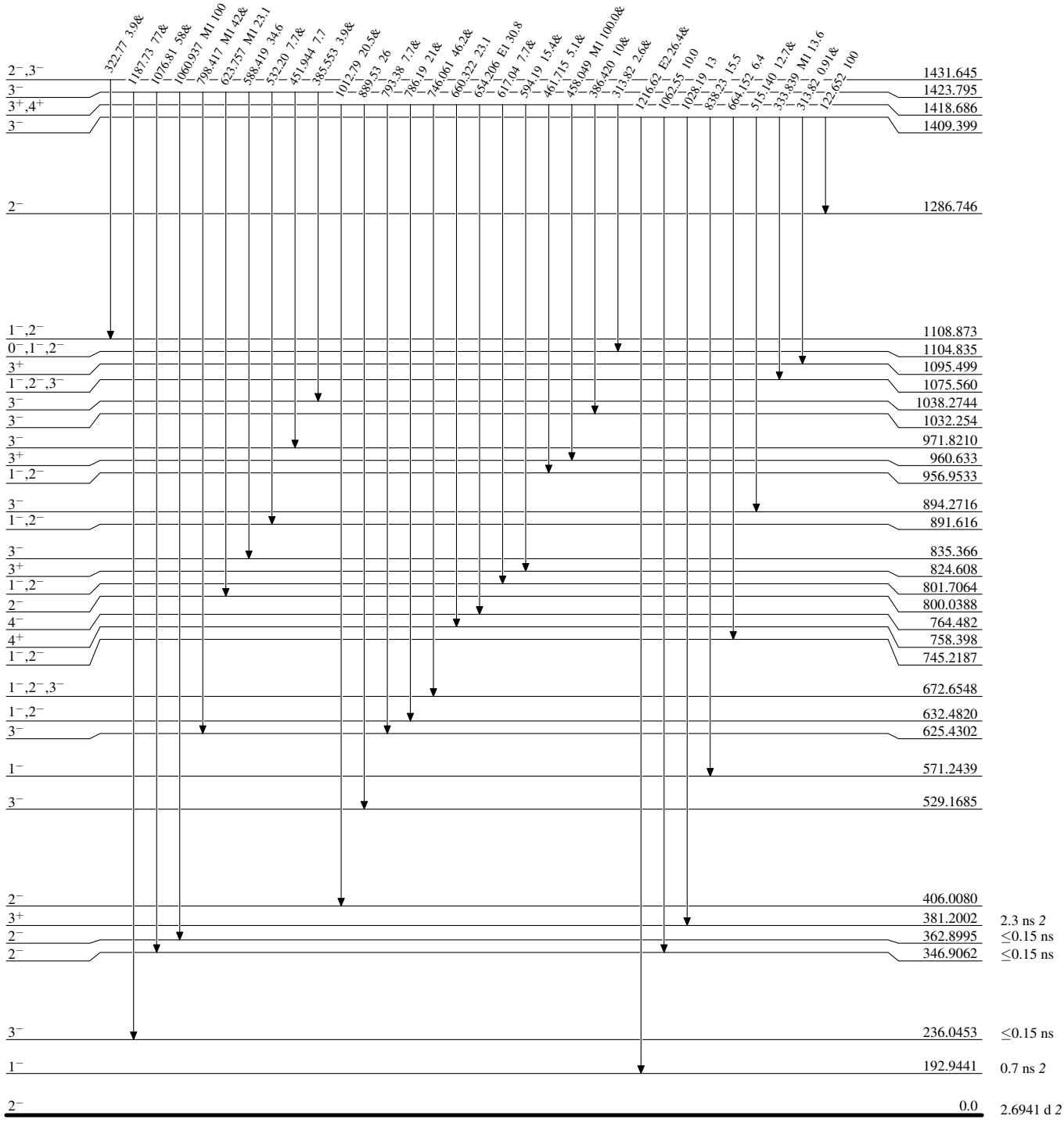


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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

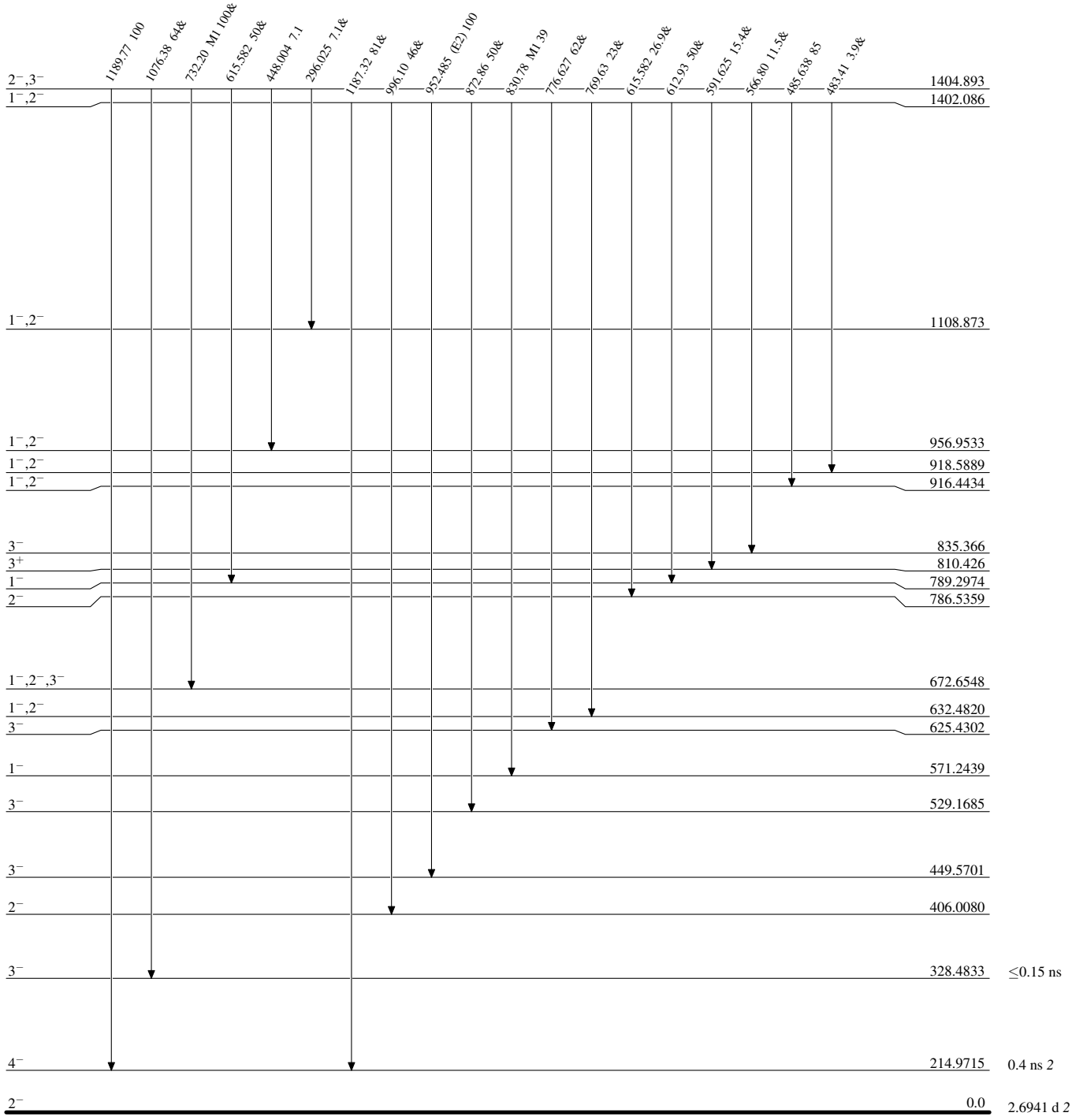


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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

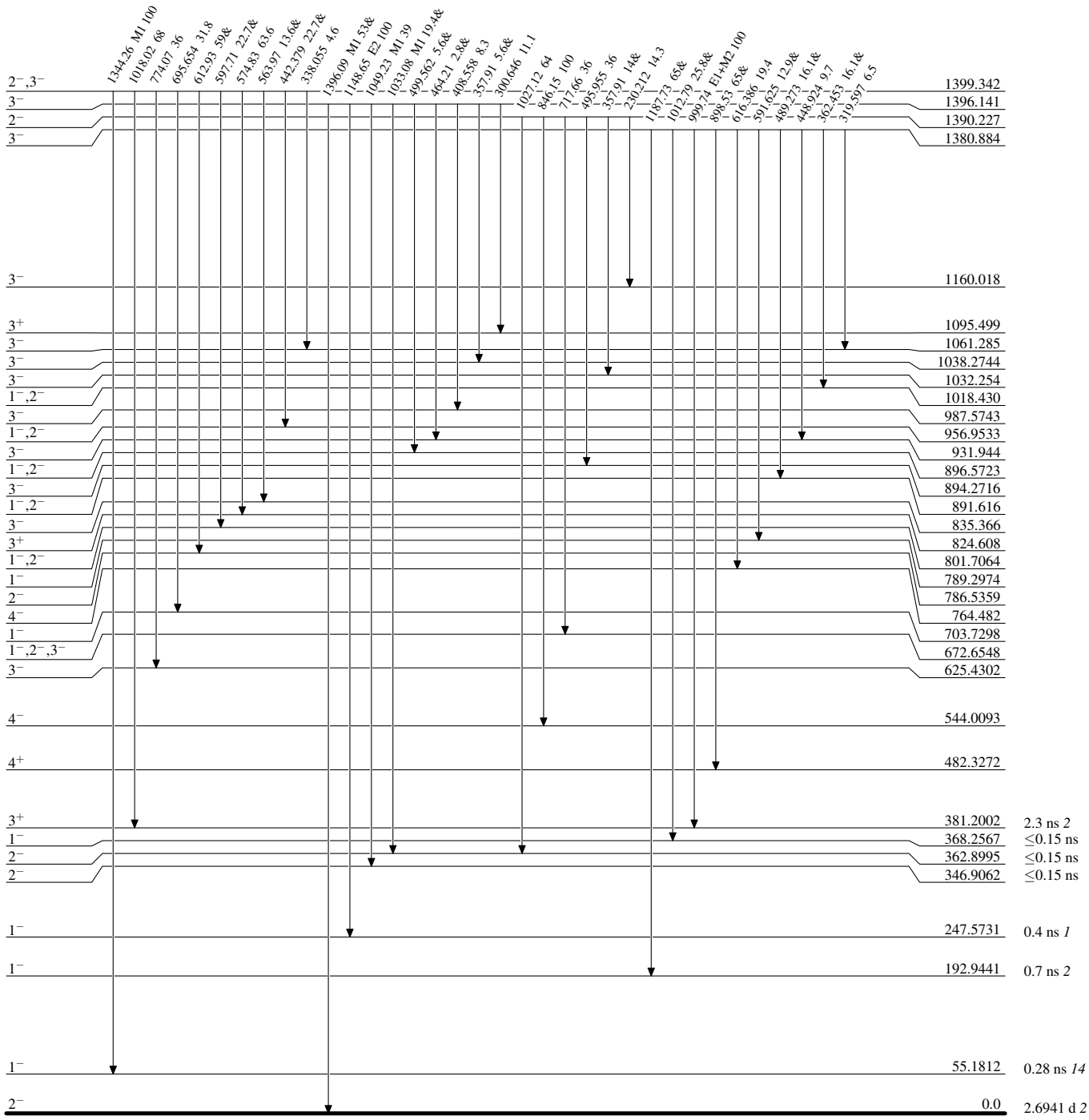


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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

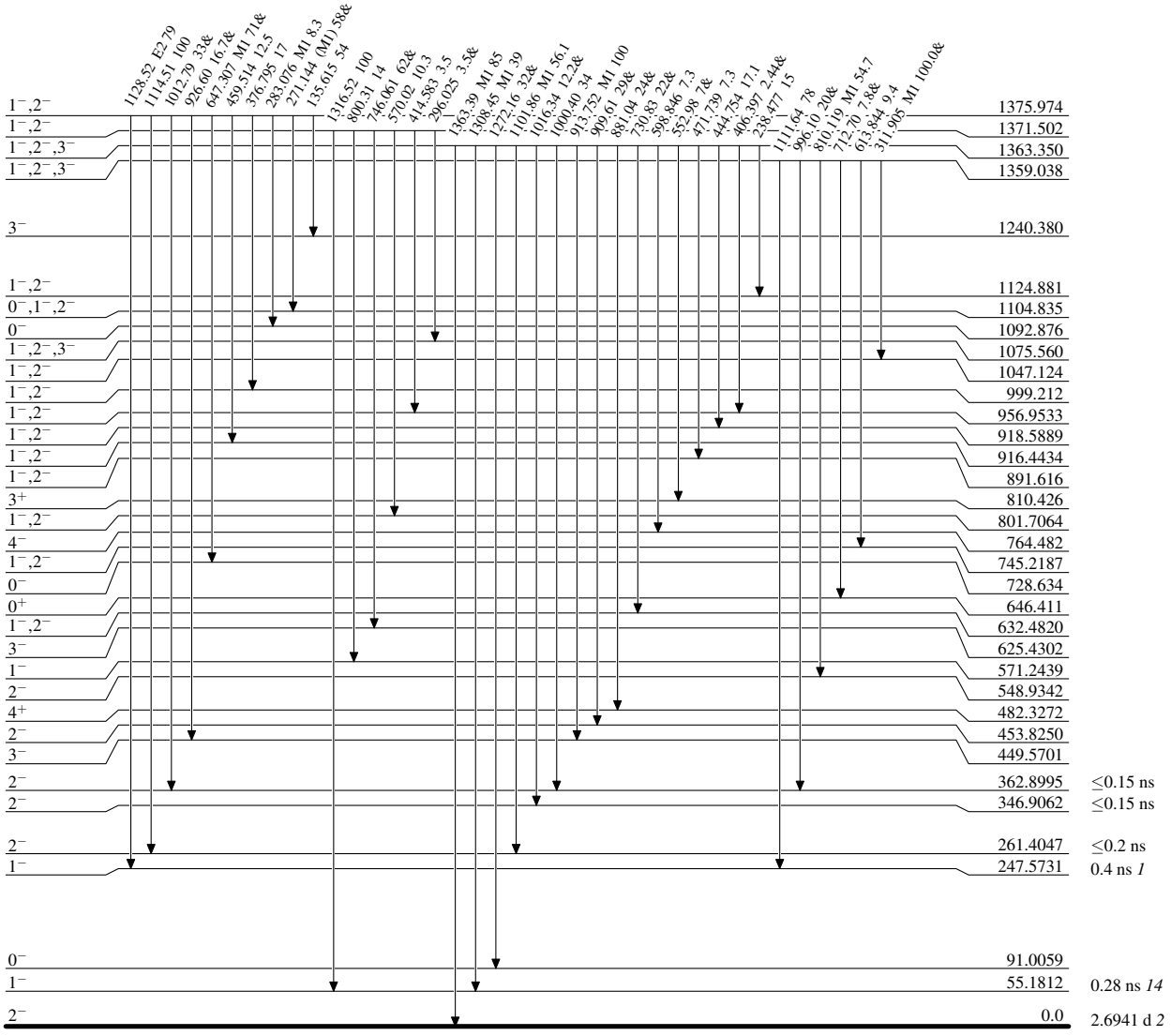


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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

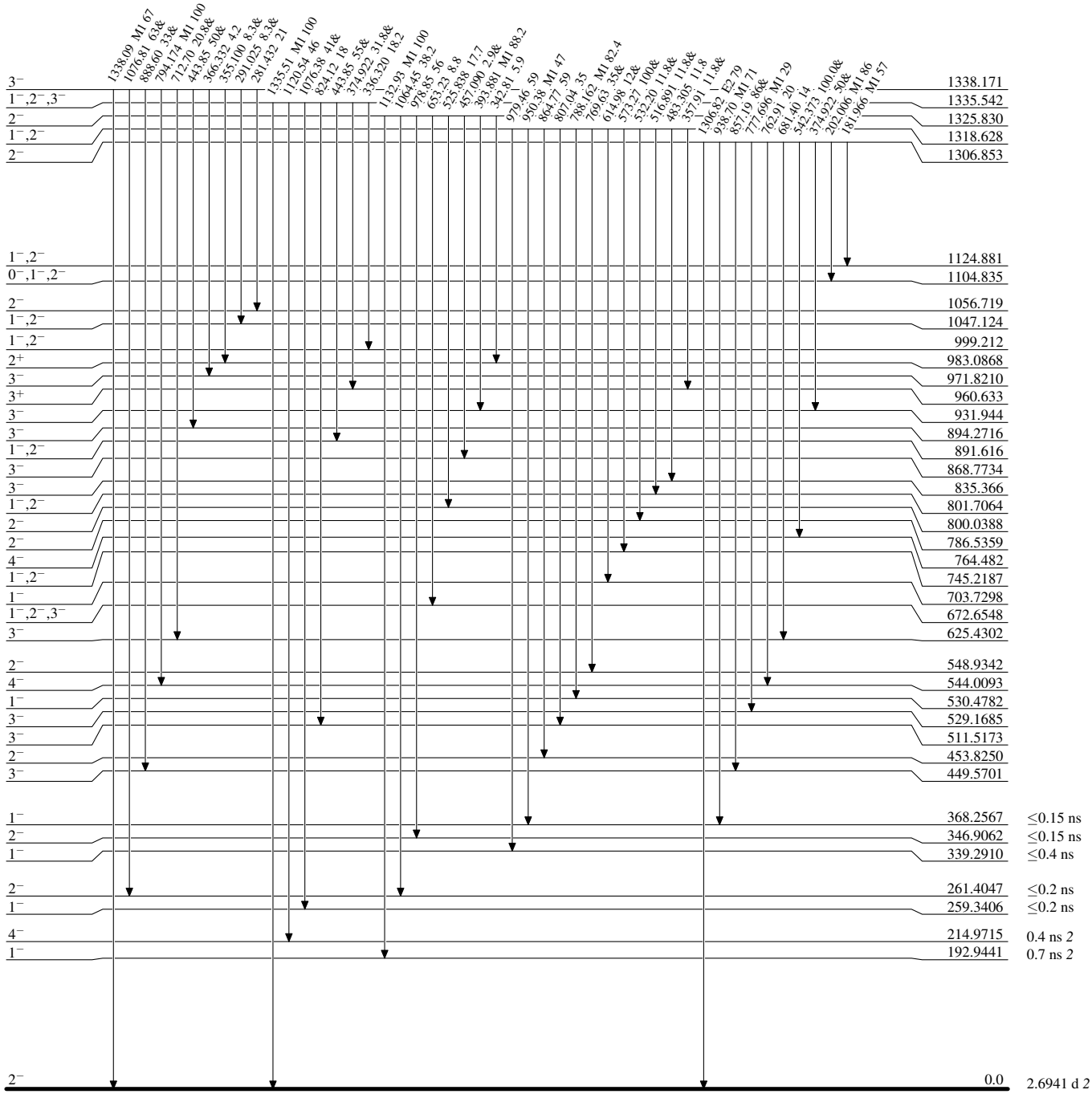


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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

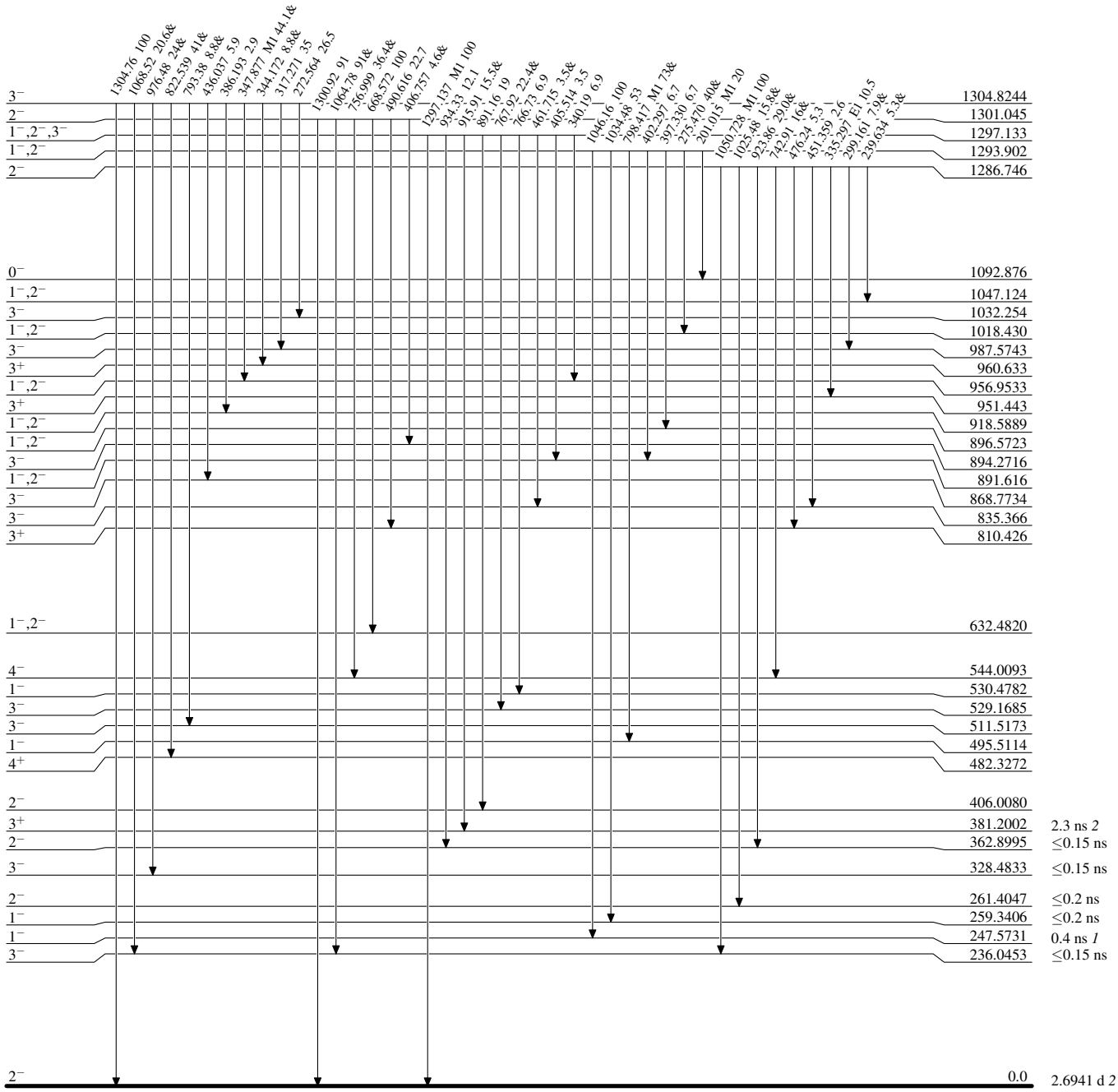


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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

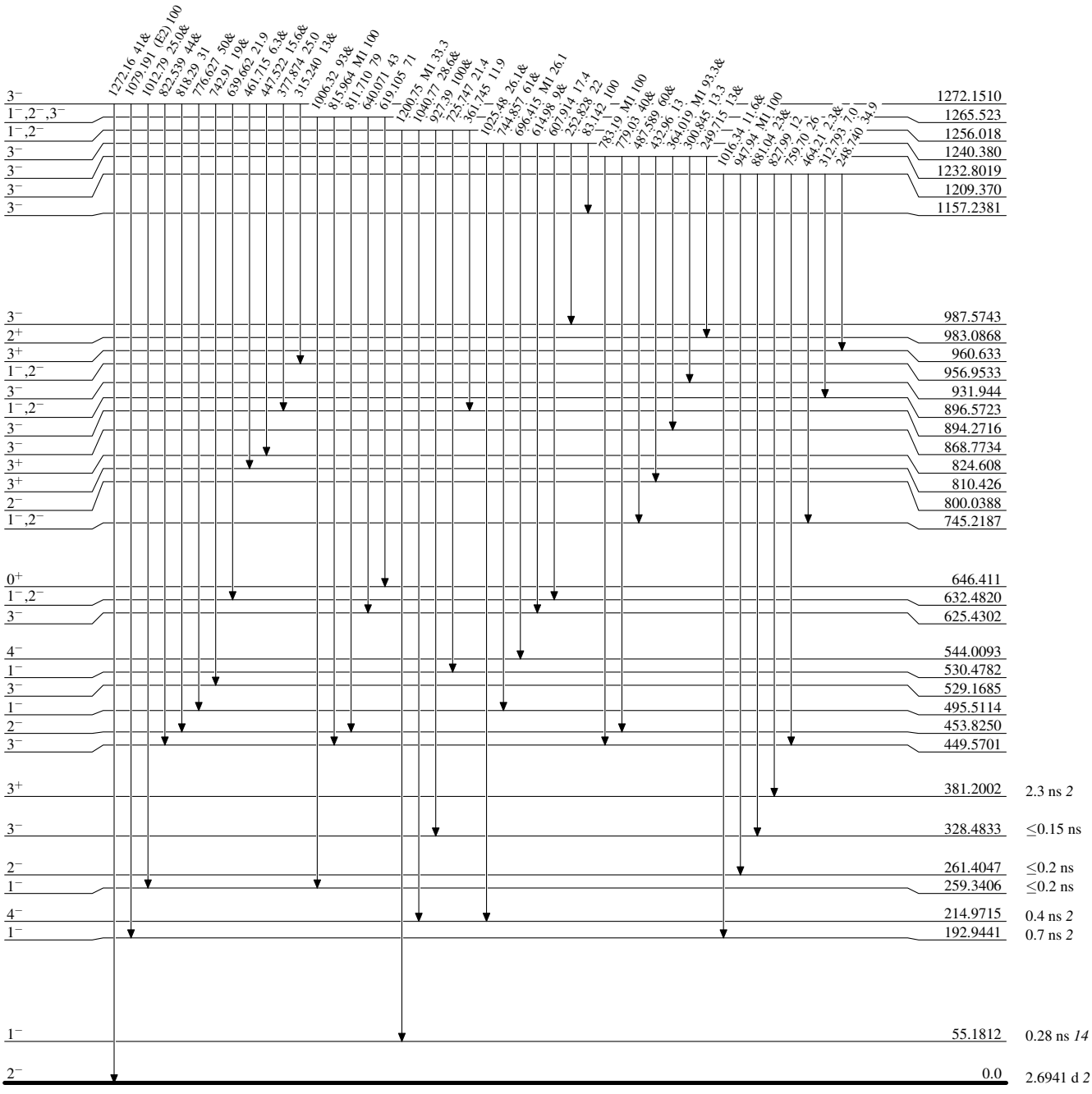


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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

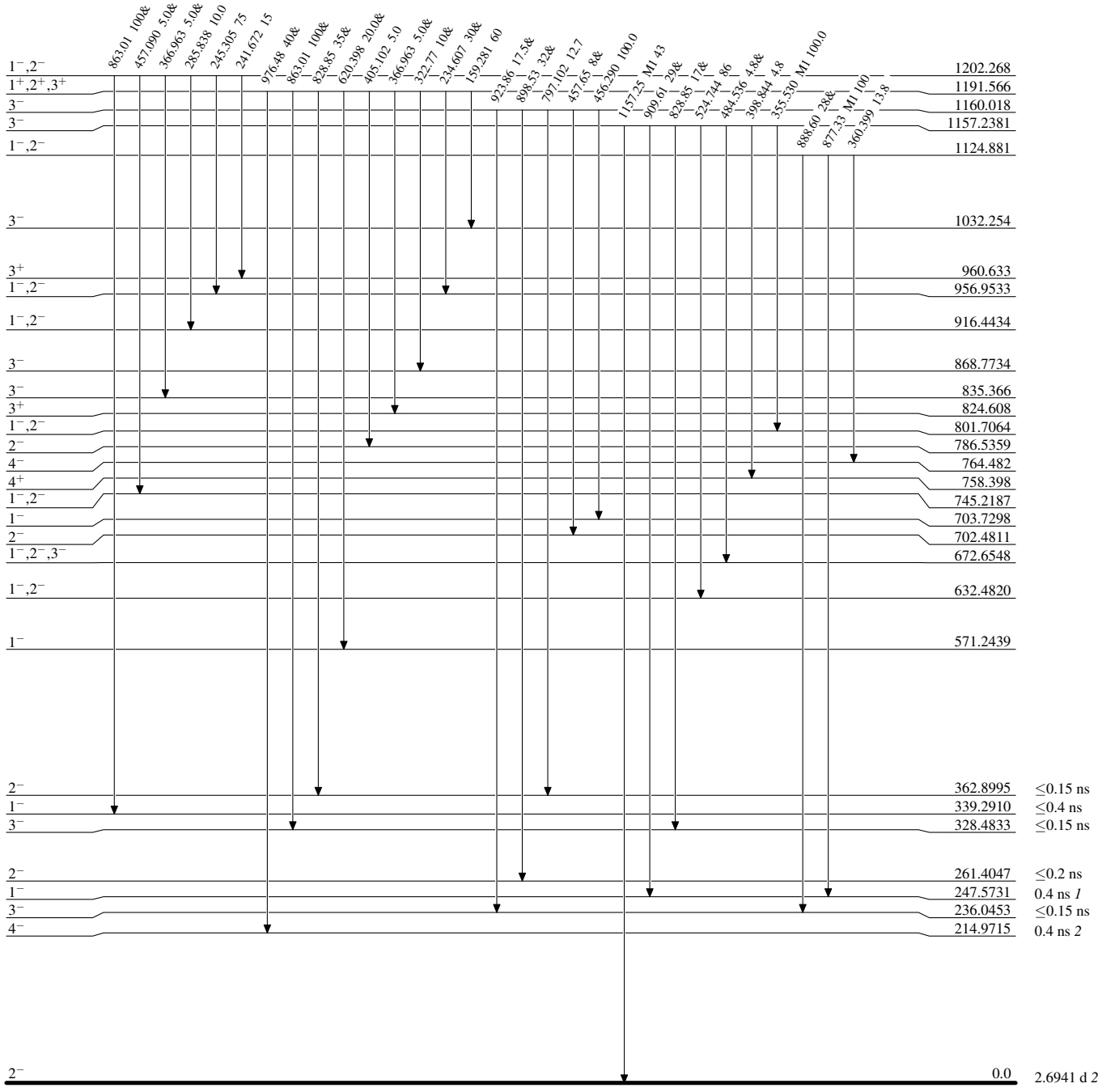


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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

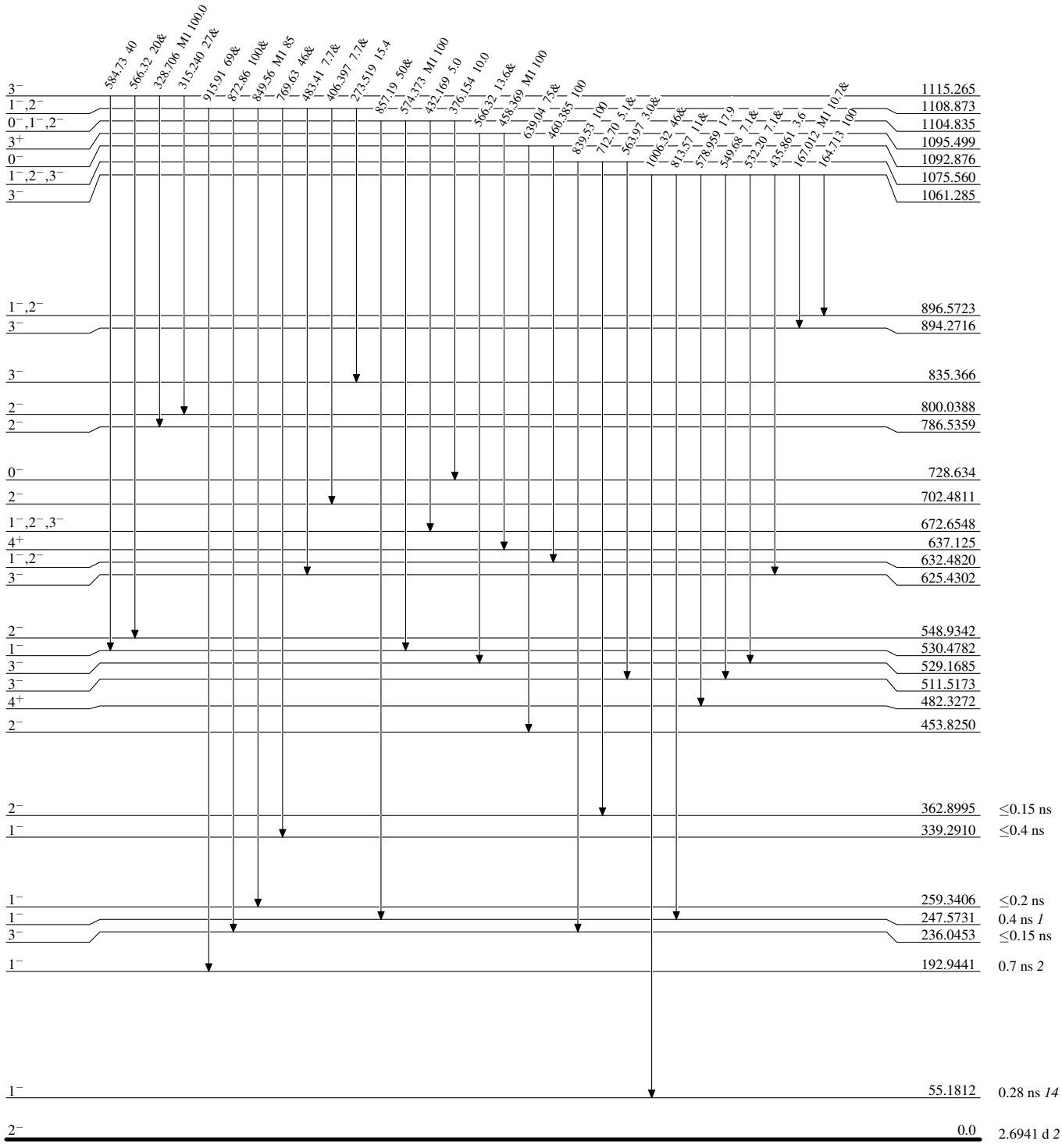


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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

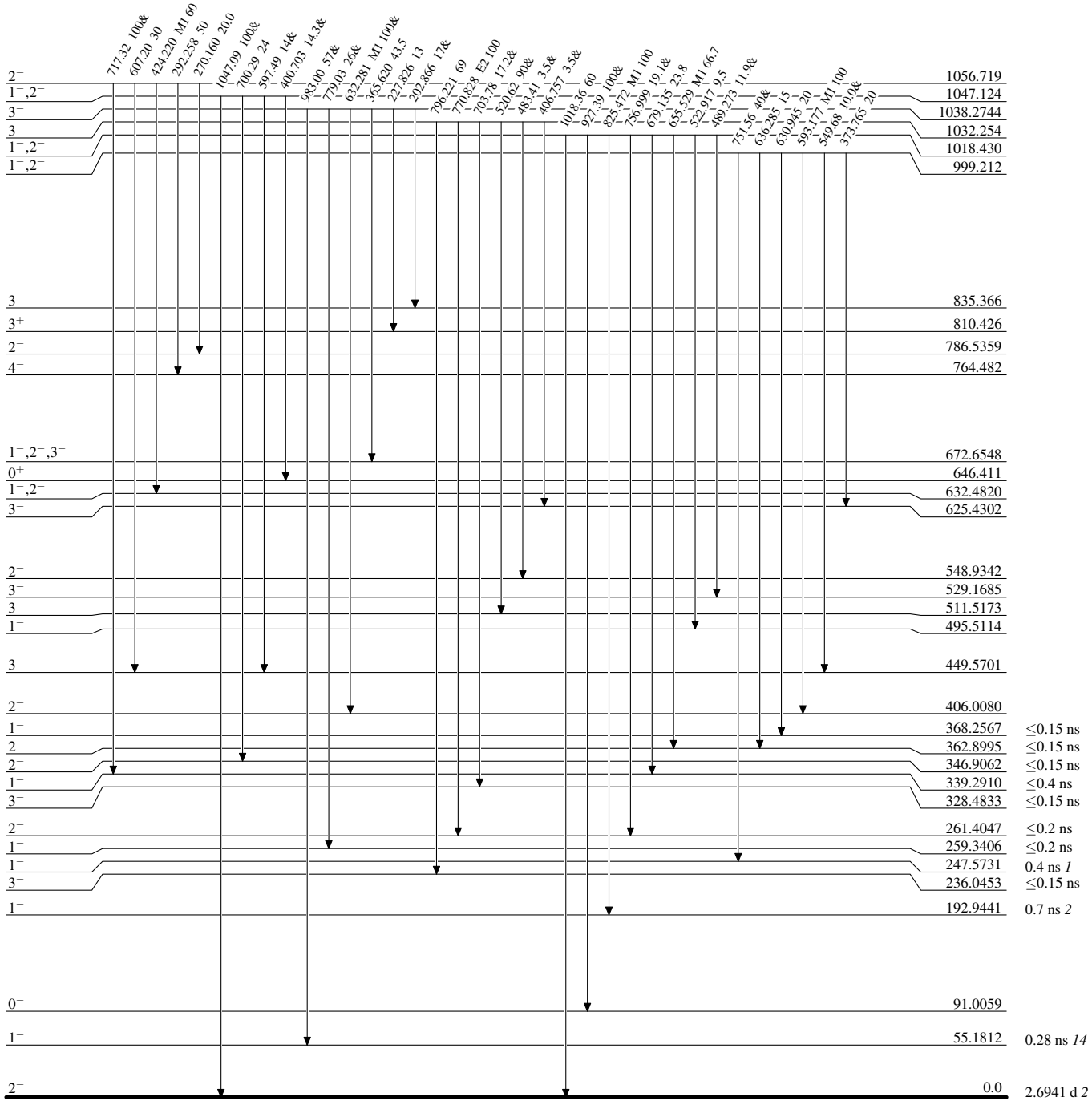


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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

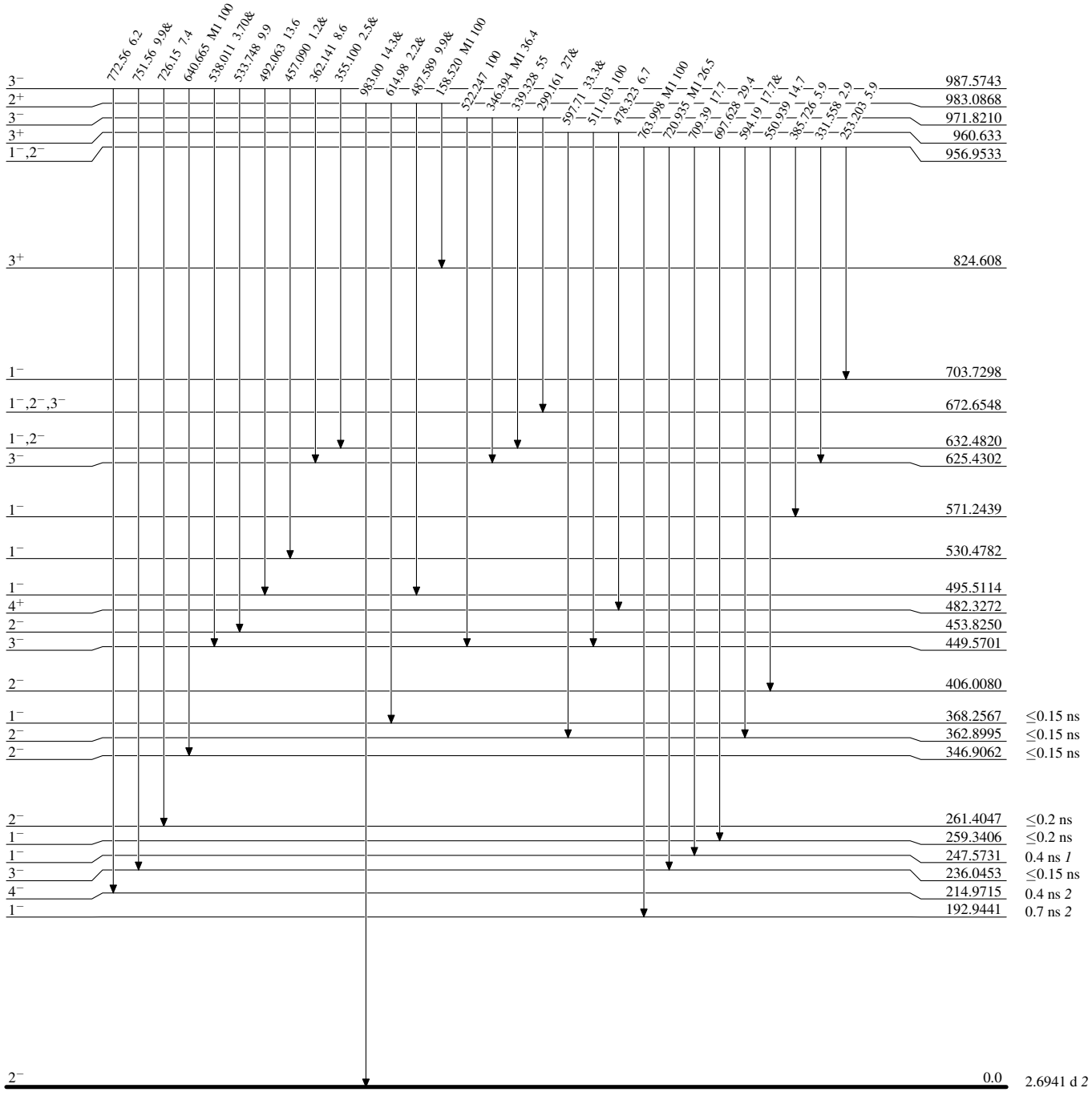


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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

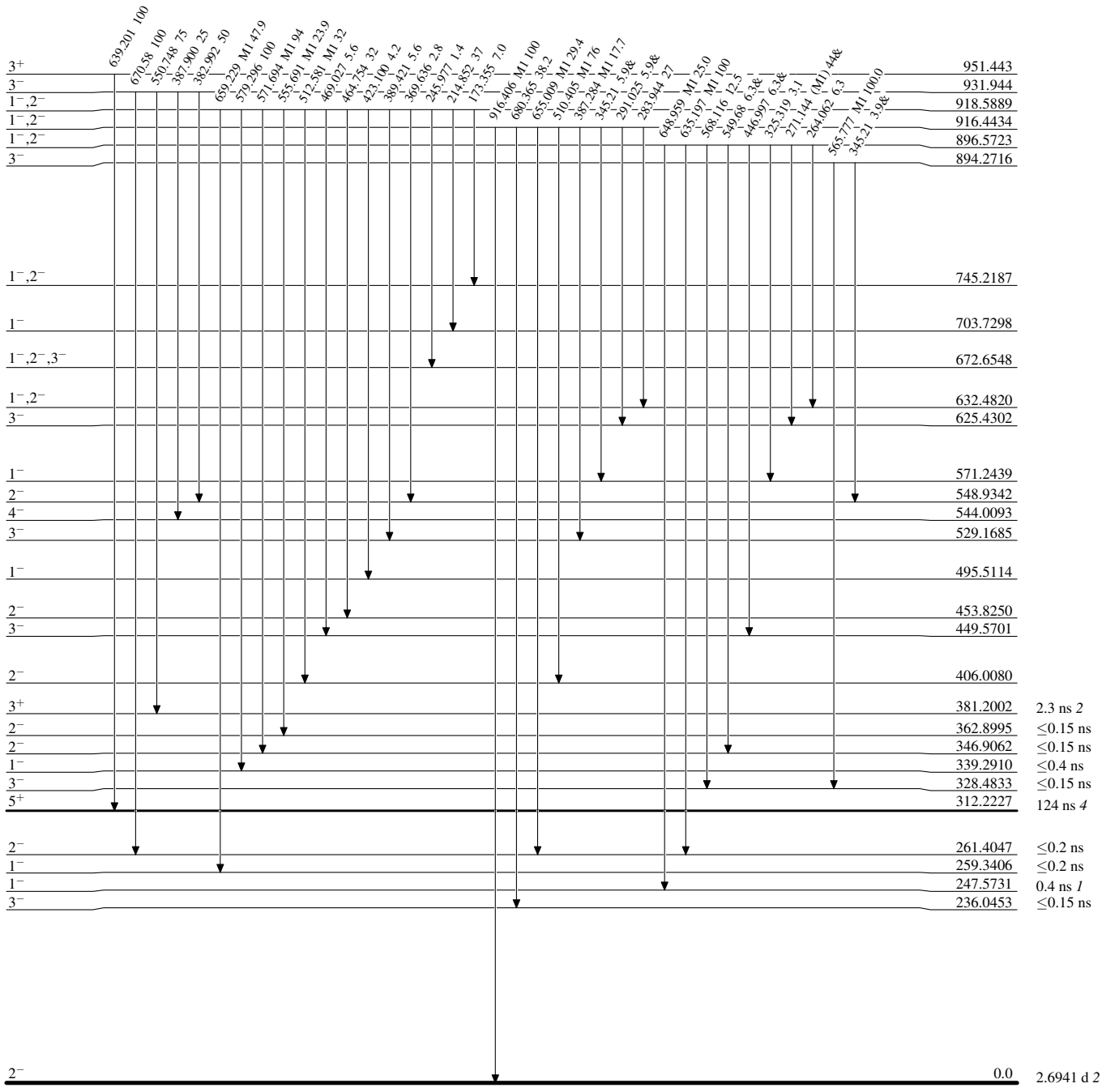


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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

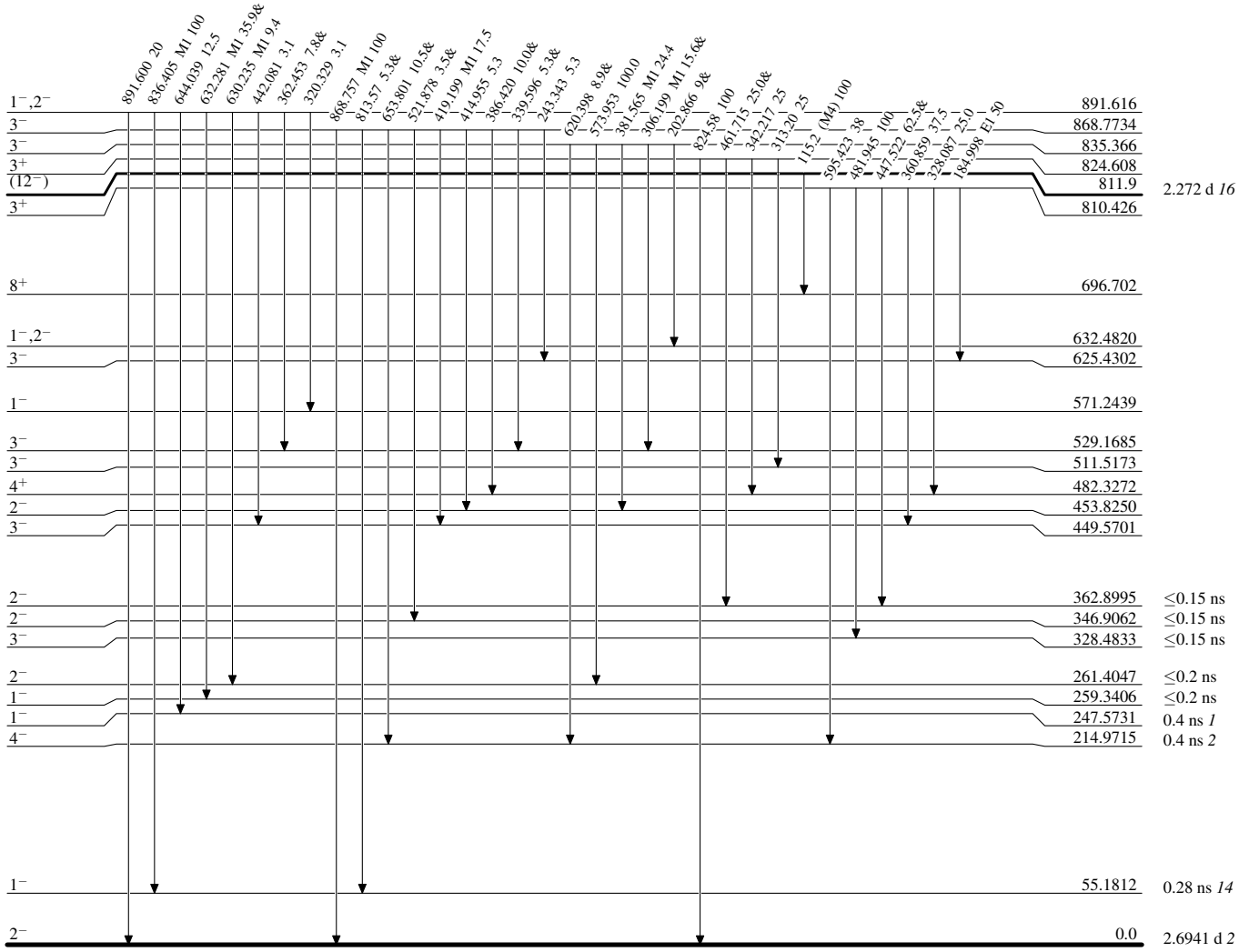


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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



$^{198}_{79}Au_{119}$

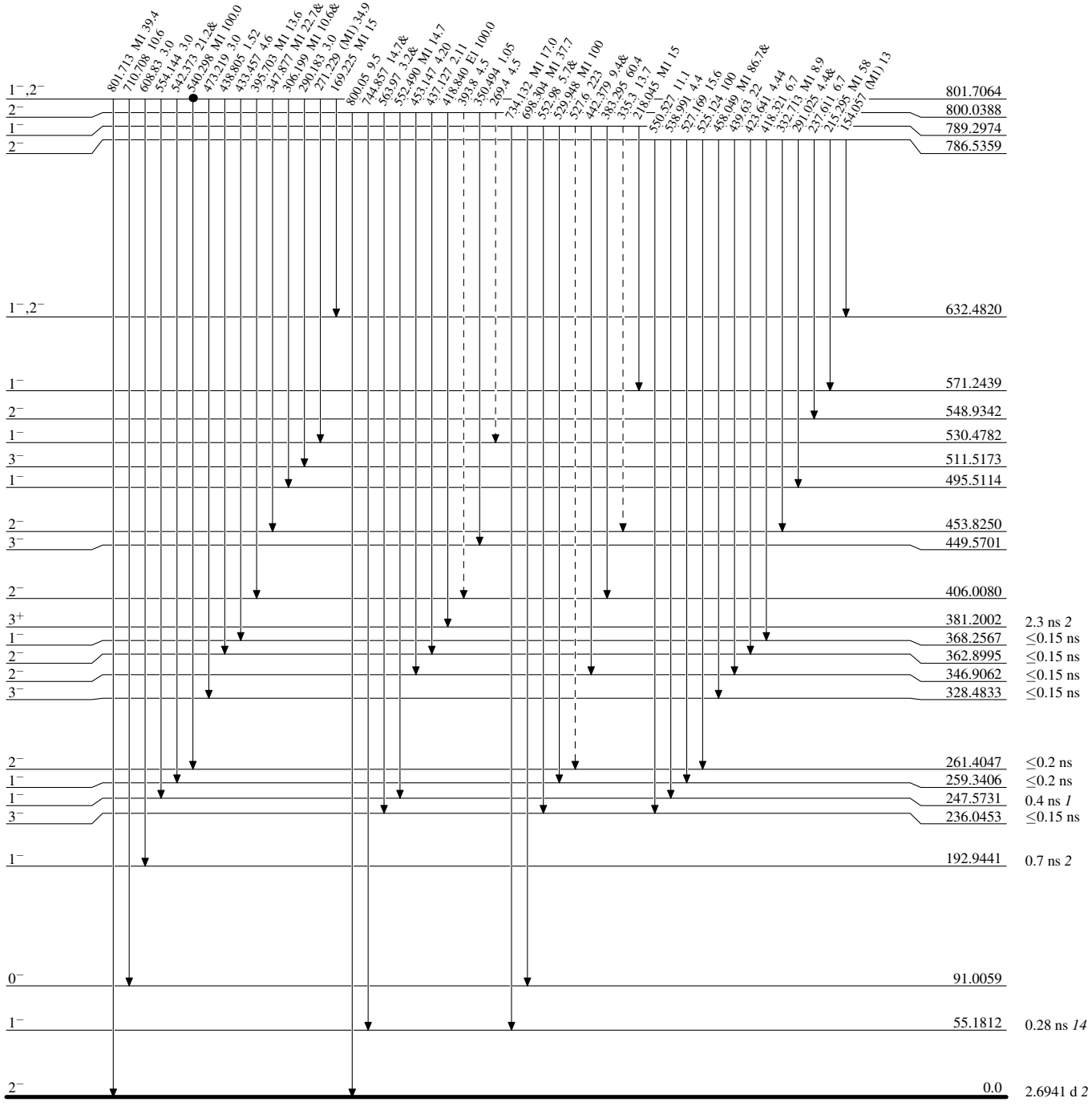
Adopted Levels, Gammas

Legend

Level Scheme (continued)

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

γ Decay (Uncertain)
Coincidence



$^{198}_{79}Au_{119}$

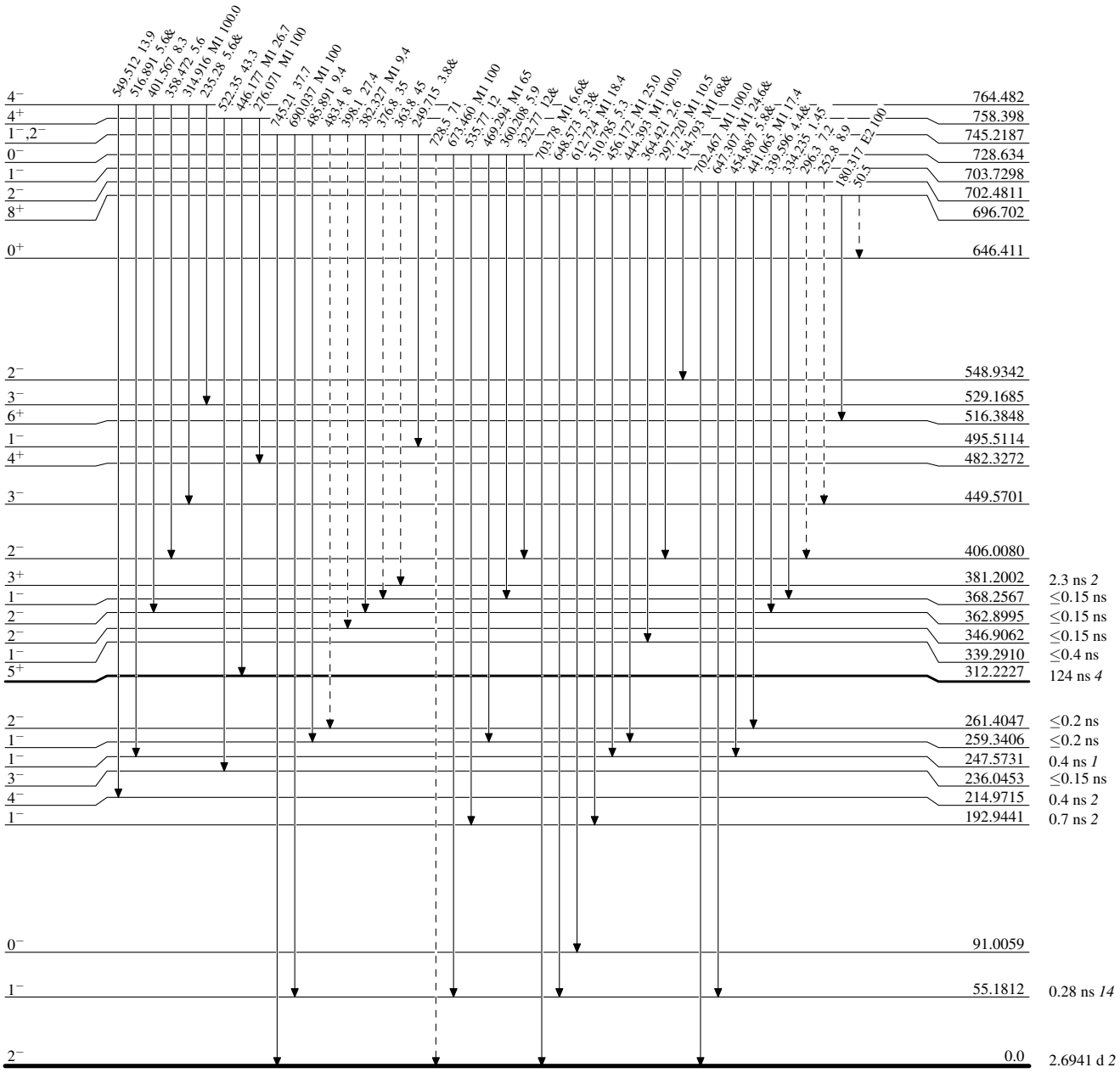
Adopted Levels, Gammas

Legend

Level Scheme (continued)

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

γ Decay (Uncertain)



$^{198}_{79}Au_{119}$

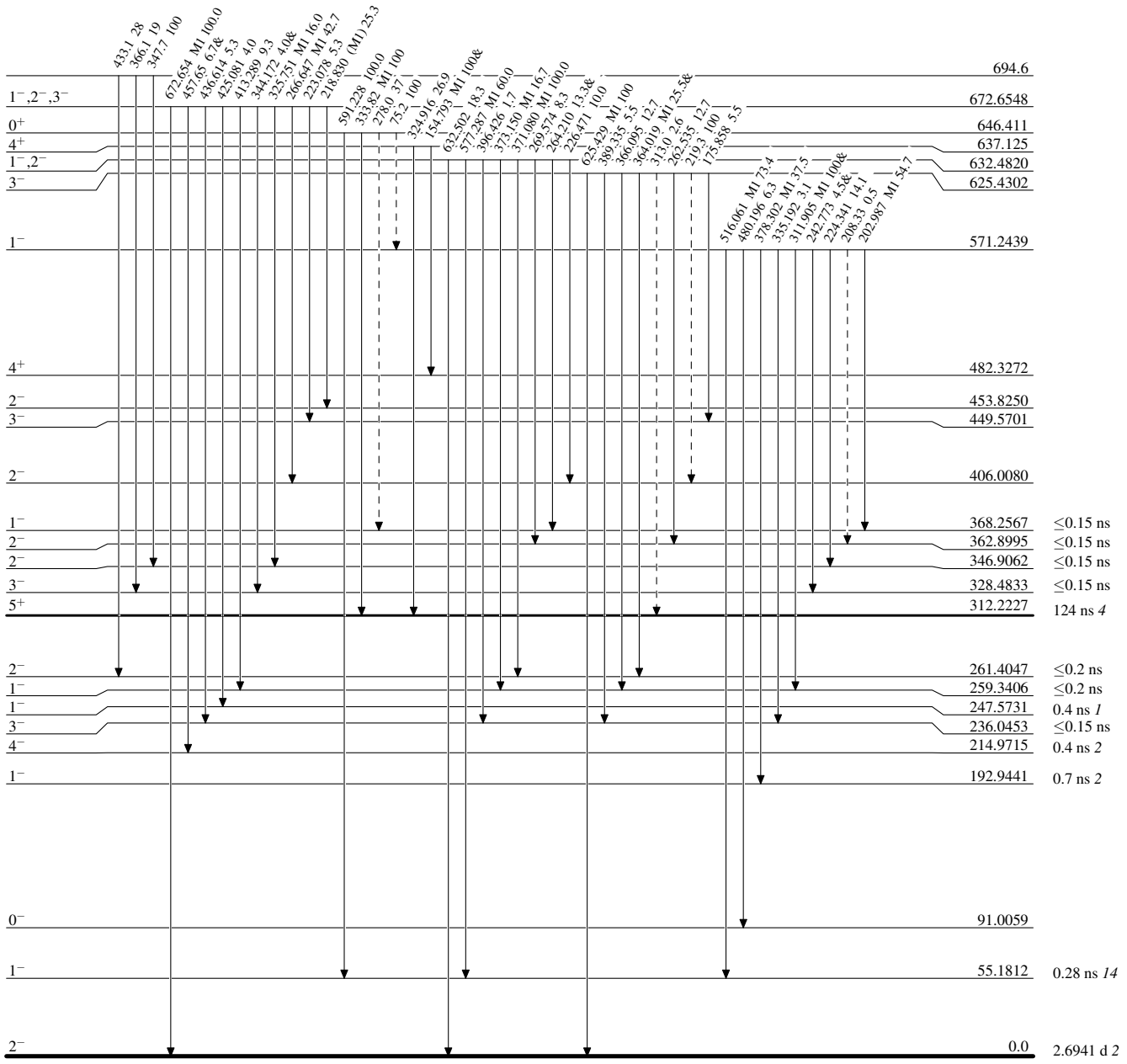
Adopted Levels, Gammas

Legend

Level Scheme (continued)

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

– – – – – – ► γ Decay (Uncertain)



$^{198}_{79}Au_{119}$

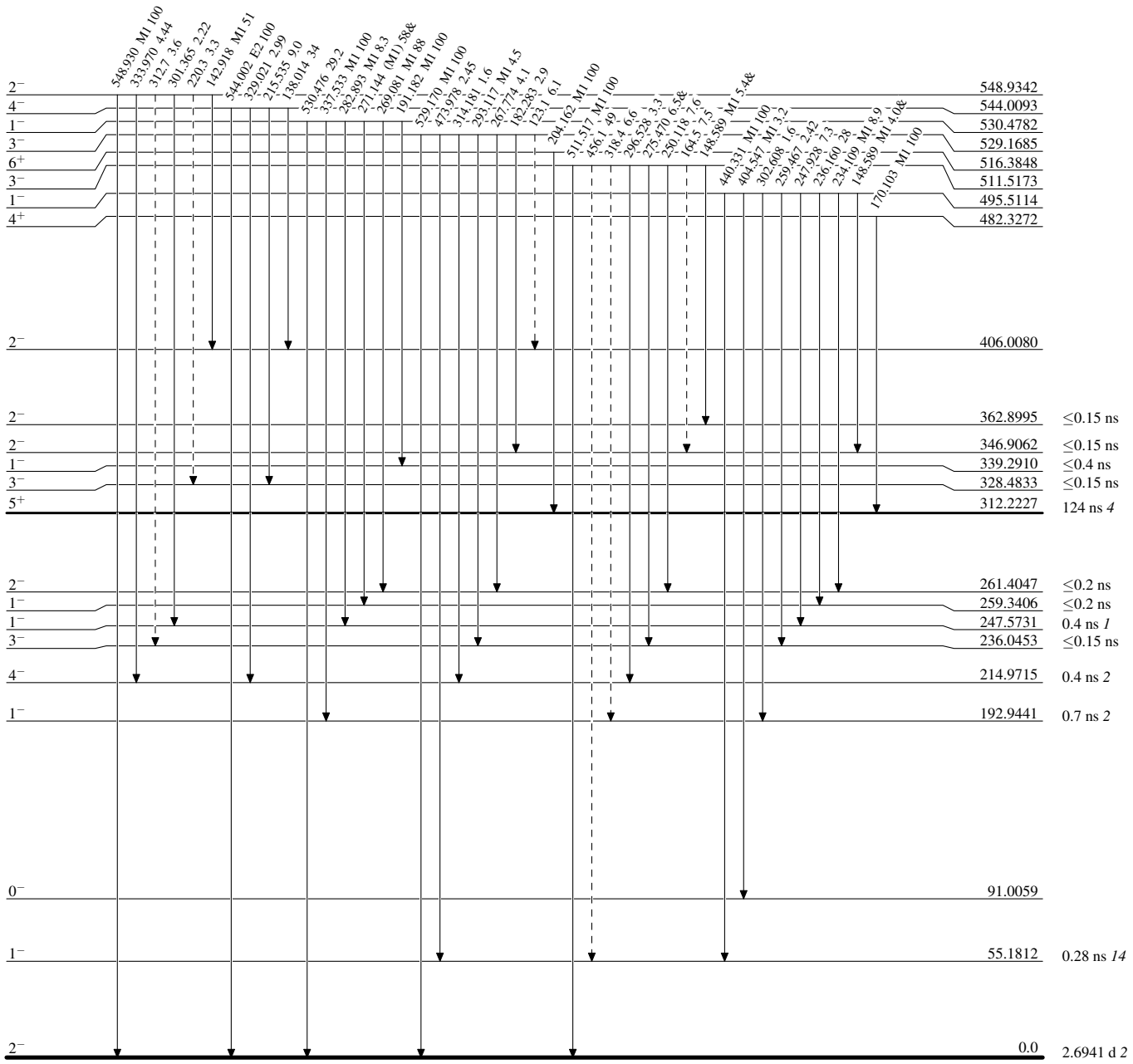
Adopted Levels, Gammas

Legend

Level Scheme (continued)

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

γ Decay (Uncertain)



$^{198}_{79}Au_{119}$

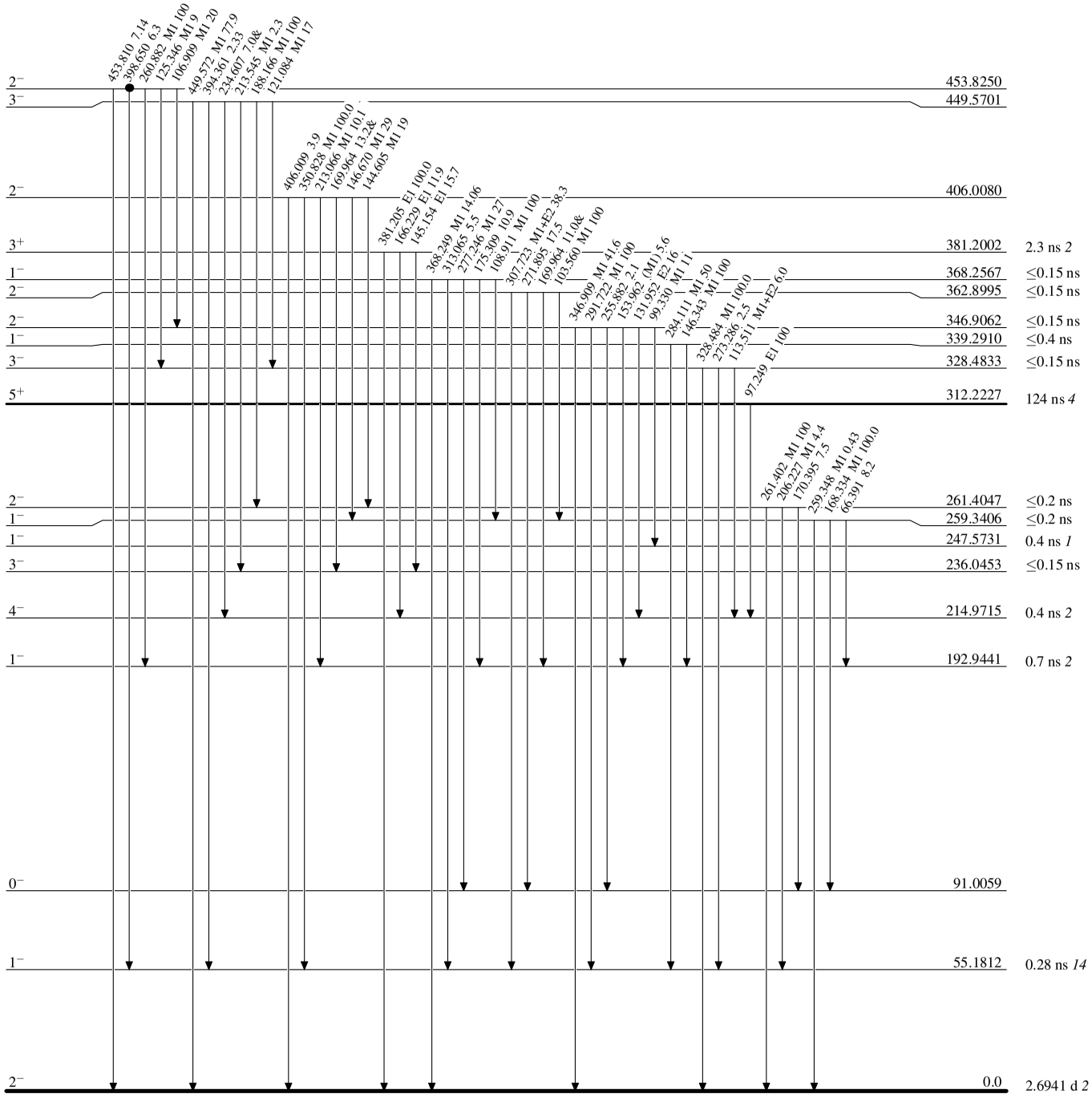
Adopted Levels, Gammas

Legend

Level Scheme (continued)

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

● Coincidence

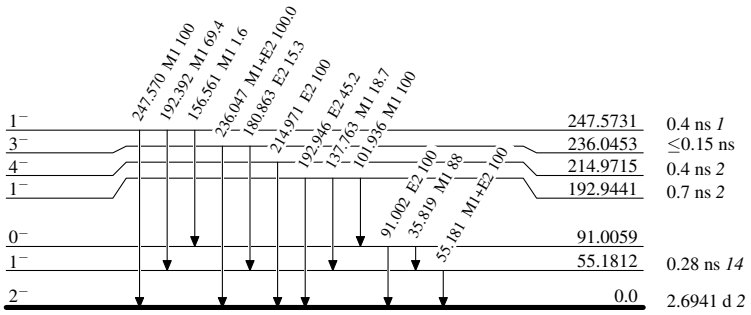


$^{198}_{79}Au_{119}$

Adopted Levels, Gammas

Level Scheme (continued)

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



$^{198}_{79}Au_{119}$