

Adopted Levels, Gammas

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	D. De Frenne and A. Negret	NDS	109,943 (2008)	1-May-2007

$Q(\beta^-)=190.3$; $S(n)=7943.6$; $S(p)=5813.3$; $Q(\alpha)=-2587.6$ [2012Wa38](#)

Note: Current evaluation has used the following Q record 195 8 7941 115813 3-2587 7 [2003Au03](#).

 ^{106}Ag LevelsCross Reference (XREF) Flags

A	(Hl,xn γ)	E	$^{105}\text{Pd}(\text{}^3\text{He,d})$
B	$^{103}\text{Rh}(\alpha,\text{n}\gamma)$	F	$^{106}\text{Pd}(\text{p,n}\gamma)$
C	$^{104}\text{Pd}(\text{}^3\text{He,p})$	G	$^{107}\text{Ag}(\text{p,d})$
D	$^{104}\text{Pd}(\alpha,\text{pn}\gamma)$		

E(level) [†]	J ^π [‡]	T _{1/2}	XREF	Comments
0.0 [#]	1 ⁺	23.96 min 4	BCD	$\% \epsilon + \% \beta^+ = 99.55$; $\% \beta^- < 1$ (1953Be42) $\mu = +2.8520$ (1989Ra17) T _{1/2} : from γ -decay (1965Eb01). Others: 24.0 min 2 (1953Be42), 24.0 min 10 (1973ArZl); see also: 1938Du01 , 1938Po03 , 1939En02 , 1948Mo33 , 1961Ra06 , 1967St10 . J ^π : J=1 from atomic beam (1958Re10 , 1959Ew89). $\pi = +$ from log ft=4.9 to 0 ⁺ . $\% \epsilon + \% \beta^+ = 100$ $\mu = (+)3.7094$ (1989Ra17) Q=+1.086 XREF: E(85). For B(M5)(W.u.) ≤ 10 and $\alpha(90\gamma) \approx 1200$ one gets branching(IT) $\leq 4.2 \times 10^{-6}\%$. $\% \beta^-$ will be completely negligible since the only allowable branch has $\Delta J=6$. T _{1/2} : from β^+ counting (1988Ry01). Others: 8.46 d 10 from γ decay (1961Sm04); 8.4 d 2 (1960Ro12), 8.2 d 2 (1938Po03). J ^π : J=6 from atomic beam (1959Ew89). $\pi = +$ from log ft=5.09 to 5 ⁺ . E(level): based on E γ from J=4 ⁺ , 503- and 712-keV states via ($\alpha,\text{n}\gamma$) 1980Sa05 ; other: 87.95 (1975An07). Q: Weighted average of +1.11 11 (1989Ra17) and +1.06 16 (1989Di12) from collinear LASER spectroscopy.
110.66 [#] 3	(2) ⁺		BCDE	J ^π : $\pi = +$ from L=4 ($^3\text{He,d}$); J=2 suggested from γ transition to ground state. Member of probable band built on the g.s.
205.95 [#] 4	(3) ⁺		BCDE	J ^π : $\pi = +$ from L=4 ($^3\text{He,d}$); J=(3) from strong feeding to (2) ⁺ , weak feeding to 1 ⁺ and absence of feeding to 6 ⁺ .
234.66 4	(1 ⁺ , 2 ⁺ , 3 ⁺)		B	J ^π : J ^π =(2 ⁺) suggested from γ -ray branchings to 1 ⁺ , (3) ⁺ states.
257 3			E	
277.04 3	1 ⁻ , 2 ⁻		BCDE G	J ^π : from L=2 (p,d); L=1 ($^3\text{He,d}$); γ to 1 ⁺ .
328.87 8	5 ⁺		B DE	J ^π : $\pi = +$ from L($^3\text{He,d}$)=4. 1980Sa05 note that spectroscopic strength of 330-keV excitation in ($^3\text{He,d}$) of 1975An07 suggests a doublet, J ^π =5 ⁺ , 7 ⁺ . J=5 from $\Delta J(239\gamma, \text{M1}+\text{E2})=1$. J=5 preferred above J=7 because excitation energy is lower than for 332-keV level.
332.66 ^e 8	7 ⁺		ABCD	J ^π : $\pi = +$ from L($^3\text{He,d}$)=4. 1980Sa05 note that spectroscopic strength of 330-keV excitation in ($^3\text{He,d}$) of 1975An07 suggests a doublet, J ^π =5 ⁺ , 7 ⁺ . J=7 from $\Delta J(242\gamma, \text{M1}+\text{E2})=1$ in $^{96}\text{Zr}(^{14}\text{N}, 4\text{n}\gamma)$ preferred above J=5 because excitation energy is higher than 328-keV level.
364.43 4	(2, 3) ⁻		B DE G	J ^π : $\pi = -$ from L=2 (p,d); γ to (3) ⁺ .
389.16 4	3 ⁺		B E	XREF: E(382).

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Adopted Levels, Gammas (continued) ^{106}Ag Levels (continued)

E(level) [†]	J ^π [‡]	T _{1/2}	XREF	Comments
416.62 6	(1 ⁻)		B	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
425.04 5	(2,3) ⁻		B E G	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
449.11 [#] 5	(4) ⁺		B DE	J ^π : $\pi=-$ from L=2 (p,d); γ to (3) ⁺ . J ^π : $\pi=+$ from L=4 ($^3\text{He}, d$); deexcitation to (3) ⁺ state only. Member of probable band built on the g.s.
468.84 23			BC G	
503.03 4	(3 ⁺ , 4, 5 ⁺)		B	J ^π : suggested from deexcitation to (3) ⁺ , 5 ⁺ states.
518.24 5	(3,4) ⁻		B DE G	J ^π : $\pi=-$ from L=4 (p,d) and γ to (3) ⁺ state.
542.58 9	6		B	J ^π : J=6 from $\Delta J(213\gamma, D+Q)=-1$.
556.81 [#] 9	(5 ⁺)		B D	J ^π : γ 's to 4 ⁺ , 6 ⁺ states. Member of probable g.s. band.
565.14 5	(2,3) ⁻		B E G	J ^π : $\pi=-$ from L=2 (p,d), L=1 ($^3\text{He}, d$); γ to (3) ⁺ .
596.07 6	1 ⁻ , 2 ⁻ , 3 ⁻		BC E G	J ^π : L(p,d)=2.
597.26 6	1 ⁻ , 2 ⁻ , 3 ⁻		B	J ^π : From L(p,d)=2.
602.77 8	(2 ⁻ , 3 ⁻)		B	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
625.74 8	7 ⁺		AB D	J ^π : $\pi=+$ from M1+E2 to 6 ⁺ . J=7 from $\Delta J(536\gamma, M1+E2)=1$ in $^{96}\text{Zr}(^{14}\text{N}, 4n\gamma)$ to J ^π =6 ⁺ 89 keV level. J=7 preferred over J=5 because excitation energy is much higher than J=6 level.
661.31 8	1 ⁻		B E G	J ^π : L=0 (p,d), L=1 ($^3\text{He}, d$).
676.29 6	(5 ⁺)		B	J ^π : γ to (4) ⁺ . J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
680 1	0 ⁻ , 1 ⁻		C E G	J ^π : L(p,d)=0.
698.20 6	1 ⁻ , 2 ⁻ , 3 ⁻		B G	XREF: G(696). J ^π : from L=2 (p,d).
712.15 7	(4 ⁺)		B	J ^π : J ^π =4 ⁺ suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
721.5 3	7 ⁺		A	J ^π : $\Delta J(393\gamma, Q)=2$ from $\gamma(\theta)$ in $^{96}\text{Zr}(^{14}\text{N}, 4n)$ to J ^π =5 ⁺ 329 keV level. J=7 preferred above J=3 due to its position in the level scheme. $\pi=+$ because 393 γ is very unlikely to be M2.
730.43 13	(2 ⁺)		B	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
741.58 9	(3 ⁺ , 4 ⁺)		B	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
749 2			E	
765.24 ^{&} 8	6 ⁻		ABCDE G	J ^π : from $\Delta J(436\gamma, E1)=1$ in $^{96}\text{Zr}(^{14}\text{N}, 4n)$. E1 γ to 6 ⁺ , γ 's to 5 ⁺ and 7 ⁺ . Levels at 765.14 and 765.62 seen in ($\alpha, n\gamma$) are considered as one level by the evaluators.
769.68 16	1 ⁻ , 2 ⁻ , 3 ⁻		B	J ^π : $\pi=-$ from L=2 (p,d); γ to 1 ⁻ , 2 ⁻ .
769.96 11	6		B	J ^π : from $\Delta J(441\gamma, D+Q)=1$ to 328 keV (J ^π =5 ⁺) level in $^{96}\text{Zr}(^{14}\text{N}, 4n)$.
773.50 11	(5 ⁺)		B	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
775.65 9	(4 ⁺ , 5)		B	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
797.48 13			B	
809 2	0 ⁻ , 1 ⁻		G	J ^π : from L=0 in (p,d).
812.02 7	(3 ⁻)		B	J ^π : γ -decay pattern suggests (3 ⁻).
816.49 8	(4 ⁺)		B	J ^π : γ branchings to 3 ⁺ , 5 ⁺ states suggest (4 ⁺).
829.41 ^a 8	7 ⁻		AB D	J ^π : from $\Delta J(739\gamma, E1+M2)=-1$ to 89 keV level (J ^π =6 ⁺) in $^{96}\text{Zr}(^{14}\text{N}, 4n)$.
835.39 12	(2 ⁺ , 3 ⁺)		B	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
851 2			E	
861.58 9	(3 ⁻ , 4, 5 ⁻)		B G	J ^π : L(p,d)=4,5; γ to (2,3) ⁻ .
874.24 ^{&} 8	8 ⁻	157 ps 31	AB DE	J ^π : from $\Delta J(541\gamma, E1+M2)=-1$ to 332 keV (J ^π =7 ⁺) level in $^{96}\text{Zr}(^{14}\text{N}, 4n)$. T _{1/2} : from DSA in $^{96}\text{Zr}(^{14}\text{N}, 4n\gamma)$ (1990VoZW).
881.24 9	(6 ⁺)		B G	XREF: G(886). J ^π : deexcites to 5 ⁺ , 7 ⁺ states.
887.68 8	(5 ⁺)		B G	XREF: G(886). J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
902.98 21	1 ⁻ , 2 ⁻ , 3 ⁻		B E G	J ^π : L(p,d)=5,6. J ^π : L=2 (p,d).

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Adopted Levels, Gammas (continued) ^{106}Ag Levels (continued)

E(level) [†]	J ^π [‡]	T _{1/2}	XREF	Comments
912.38 11	(5,7) ⁻		B	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
917.37 18	1 ⁻ , 2 ⁻ , 3 ⁻		B G	J ^π : L=2 (p,d).
923.10 13	(2 ⁺ , 3 ⁺ , 4 ⁺)		B	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
923.66 11	(1 ⁺ , 2 ⁺)		B	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
926.6 3	8 ⁻		A	
927.26 10	(6 ⁺)		AB	J ^π : (6 ⁺) suggested from deexcitation to (5 ⁺), (7 ⁺) states in ($\alpha, n\gamma$). In disagreement with adopted J ^π =8 ⁻ from (HI, xn γ).
933.18 10	(5 ⁺)		B G	J ^π : L(p,d)=0 for the 933.18 and/or 936.46 levels.
936.46 10	0 ⁻ , 1 ⁻		BC	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
944.82 14	(2 ⁺ , 3 ⁺ , 4 ⁺)		B	J ^π : L(p,d)=0 for the 933.18 and/or 936.46 levels.
950 2			G	J ^π : L(p,d)=(2).
961.76 ^e 9	8 ⁺		AB	J ^π : from $\Delta J(872\gamma, E2)=-2$ to 89 keV level (J ^π =6 ⁺) in $^{96}\text{Zr}(^{14}\text{N}, 4n)$.
971 2	+		E	J ^π : $\pi=+$ from L=(2) in ($^3\text{He}, d$).
979.14 12	8 ⁺		AB D	J ^π : from $\Delta J(353\gamma, M1+E2)=-1$ to 626 keV level (J ^π =7 ⁺) in $^{96}\text{Zr}(^{14}\text{N}, 4n)$.
1001.87 9	(2 ⁻ , 3 ⁻ , 4 ⁻)		B E	XREF: E(998).
1003.41 11			B E	XREF: E(998).
				Levels at 1003.4 and 1003.98 observed by 1980Sa05 are considered as the same level by the evaluators, a possibility suggested by the authors.
1007 1	1 ⁻ , 2 ⁻ , 3 ⁻		G	J ^π : from L=2 in (p,d).
1022 1	1 ⁻ , 2 ⁻ , 3 ⁻		E G	J ^π : from L=2 in (p,d).
1043.90 ^a 10	9 ⁻	2.9 ps 8	AB D	J ^π : from $\Delta J(169\gamma, D+Q)=1$ to 843 keV level (J ^π =8 ⁻) in $^{96}\text{Zr}(^{14}\text{N}, 4n)$. T _{1/2} : from DSA in $^{96}\text{Zr}(^{14}\text{N}, 4n\gamma)$ (1990VoZW).
1063.18 11	(4 ⁺ , 5 ⁺)		B	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
1082 2	+		E	J ^π : L=2 in ($^3\text{He}, d$).
1086.86 10	(4 ⁻ , 5 ⁻)		BC	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
1106 2	0 ⁻ , 1 ⁻		G	J ^π : from L=0 (p,d).
1106.33 10	(3 ⁻ , 4 ⁻)		B	E(level): should be different from 1106-keV level because this level decays only to (4 ⁻) level.
				J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
1123.55 11	(5 ⁻ , 6 ⁻)		B	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
1133.88 16	(4 ⁺)		B E	J ^π : L($^3\text{He}, d$)=1 for 1133.83 and/or 1135.66, γ to 5 ⁺ .
				J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
1135.66 12	(2 ⁻ , 3 ⁻ , 4 ⁻)		B	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
				J ^π : L($^3\text{He}, d$)=1 for 1133.83 and/or 1135.66, γ to (3,4) ⁻ .
1145.06 11	(2 ⁻ , 3 ⁻ , 4 ⁻)		B	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
1150.07 16	(2 ⁺ , 3 ⁺ , 4 ⁺)		B	
1166.8 3	(2 ⁻ , 3 ⁻ , 4 ⁻)		BC	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
1176 2	1 ⁻		G	L=0+2 (p,d).
1224.67 11	(6,7) ⁻		BC	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
1230.03 17	(2 ⁻ , 3 ⁻ , 4 ⁻)		B	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
1263.13 12			D	
1288.98 16	(4 ⁺ , 5 ⁺)		B	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
1303.26 11	(5 ⁻ , 6 ⁻ , 7 ⁻)		B	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
1329.54 16	(3 ⁻ , 4 ⁻)		B E	XREF: E(1333).
				J ^π : L($^3\text{He}, d$)=(1); γ decay to (3,4) ⁻ state.
1387.58 ^e 11	9 ⁺		AB D	J ^π : from $\Delta J(1054\gamma, E2)=-2$ to 332 keV level (J ^π =7 ⁺) in $^{96}\text{Zr}(^{14}\text{N}, 4n)$.
1398 2	+		E	J ^π : from L($^3\text{He}, d$)=2.
1413.26 11	(5,6) ⁻		ABCD	J ^π : suggested by 1980Sa05 in $^{103}\text{Rh}(\alpha, n\gamma)$.
1420.72 ^{&} 11	10 ⁻	0.28 ps 8	B	J ^π : from $\Delta J(376\gamma, D+Q)=-1$ to 9 ⁽⁻⁾ in $^{96}\text{Zr}(^{14}\text{N}, 4n)$. T _{1/2} : from DSA in $^{96}\text{Zr}(^{14}\text{N}, 4n\gamma)$ (1990VoZW).
1434 2			E	J ^π : from L($^3\text{He}, d$)=2.

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Adopted Levels, Gammas (continued) ^{106}Ag Levels (continued)

E(level) [†]	J ^π [‡]	T _{1/2}	XREF	Comments
1491 2	+		E	J ^π : L(³ He,d)=2.
1533.14 15			D	
1553.01 ^d 16	10 ⁻		A	
1571.95 21	9 ⁺		A	J ^π : from ΔJ(946γ,Q)=-2 to 7 ⁺ in ⁹⁶ Zr(¹⁴ N,4n).
1589 2	-		E	J ^π : from L(³ He,d)=1.
1616 2	+		E	J ^π : from L(³ He,d)=2.
1662 2	+		E	J ^π : from L(³ He,d)=2.
1684 2	(⁺)		E	J ^π : from L(³ He,d)=(2).
1764.13 ^a 12	11 ⁻	0.41 ps 8	A D	T _{1/2} : from DSA in ⁹⁶ Zr(¹⁴ N,4nγ) (1990VoZW). J ^π : from ΔJ(720γ,Q)=-2 to 9 ⁽⁻⁾ in ⁹⁶ Zr(¹⁴ N,4n).
1863.0 3	9 ⁻		A	
1902.22 19	10 ⁺		A	J ^π : from ΔJ(923γ,Q)=-2 to 8 ⁺ in ⁹⁶ Zr(¹⁴ N,4n).
1925.67 ^d 17	11 ⁻		A	
1957.62 23	11 ⁽⁻⁾		A	J ^π : from ΔJ(536γ,D+Q)=-1 to 10 ⁽⁻⁾ in ⁹⁶ Zr(¹⁴ N,4n).
2033.48 16	9 ⁻		A	J ^π : from ΔJ(1204γ,Q)=-2 to 7 ⁻ 829 keV level in ⁹⁶ Zr(¹⁴ N,4n).
2114.51 ^e 21	10 ⁺		A	J ^π : from ΔJ(1153γ,Q)=-2 to 8 ⁺ 962 keV level in ⁹⁶ Zr(¹⁴ N,4n).
2247.42 ^d 21	12 ⁻		A	
2254.47 ^{&} 25	12 ⁻	0.22 ps 7	A D	T _{1/2} : from DSA in ⁹⁶ Zr(¹⁴ N,4nγ) (1990VoZW). J ^π : from ΔJ(833γ,Q)=-2 to 10 ⁻ in ⁹⁶ Zr(¹⁴ N,4n). J ^π : from ΔJ(1398γ,Q)=-2 to 8 ⁻ in ⁹⁶ Zr(¹⁴ N,4n).
2272.3 ^b 13	10 ⁻		A	
2441.60 ^c 13	11 ⁻		A	
2512.69 ^d 22	13 ⁻		A	
2572.0 ^e 4	11 ⁺		A	J ^π : from ΔJ(1184γ,Q)=-2 to 9 ⁺ in ⁹⁶ Zr(¹⁴ N,4n).
2660.79 ^b 16	12 ⁻		A	
2745.2 ^a 3	13 ⁻	0.27 ps 8	A	T _{1/2} : from DSA in ⁹⁶ Zr(¹⁴ N,4nγ) (1990VoZW). J ^π : from ΔJ(981γ,Q)=-2 to 11 ⁽⁻⁾ in ⁹⁶ Zr(¹⁴ N,4n).
2764.5 ^d 3	14 ⁻		A	
2930.58 ^c 18	13 ⁻		A	J ^π : from ΔJ(269γ,D+Q)=-1 to 12 ⁻ 2661 keV level in ⁹⁶ Zr(¹⁴ N,4n).
3017.2 [@] 3	11 ⁺		A	
3179.8 ^d 6	15 ⁻		A	
3216.2 [@] 11	12 ⁺		A	
3256.87 ^b 20	14 ⁻		A	J ^π : from ΔJ(326γ,D+Q)=-1 to 13 ⁻ 2930 keV level in ⁹⁶ Zr(¹⁴ N,4n).
3260.0 ^e 3	12 ⁺		A	
3297.1 ^{&} 3	14 ⁻		A	
3446.2 [@] 15	13 ⁺		A	
3490.2 3	13 ⁺		A	
3686.45 ^c 21	15 ⁻		A	J ^π : from ΔJ(429γ,D+Q)=-1 to 14 ⁻ 3257 keV level in ⁹⁶ Zr(¹⁴ N,4n).
3704.2 [@] 18	14 ⁺		A	
3748.6 3	14 ⁺		A	
3785.4 5	(12)		A	
3871.5 5	(14)		A	
3891.2 ^a 4	15 ⁻		A	
4051.1 [@] 20	15 ⁺	0.374 ps 21	A	
4094.8 4	15 ⁺		A	
4223.3 ^b 3	16 ⁻		A	
4456.0 [@] 20	16 ⁺	0.354 ps 14	A	
4500.0 4	16 ⁺		A	
4503.4 ^{&} 5	16 ⁻		A	

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Adopted Levels, Gammas (continued) ^{106}Ag Levels (continued)

E(level) [†]	J ^π [‡]	T _{1/2}	XREF	E(level) [†]	J ^π [‡]	XREF
4742.8 ^c 5	17 ⁻		A	5554.8 4	18 ⁺	A
4921.2 [@] 20	17 ⁺	0.234 ps 7	A	5801.4 ^{&} 9	(18 ⁻)	A
4965.3 4	17 ⁺		A	6011.4 [@] 21	19 ⁺	A
5127.3 ^a 8	(17 ⁻)		A	6026.6 ^c 7	19 ⁻	A
5414.9 ^b 8	(18 ⁻)		A	6056.2 4	19 ⁺	A
5424.5 [@] 21	18 ⁺	0.215 ps +14-21	A	6436.4 ^a 10	(19 ⁻)	A
5468.6 4	18 ⁺		A	6760.8 ^b 9	(20 ⁻)	A

[†] Calculated with a least-squares procedure using adopted gammas.[‡] Unless noted otherwise, based on observed band structure, $\gamma\gamma$ -DCOQ, (directional correlation from oriented nuclei referred to quadrupole transitions method) γ lin pol.# Band(A): Member of a cascade built on 1⁺ g.s.[@] Band(B): (2006De15). Magnetic dipole rotational band based on 11⁺. Proposed configuration= $\pi g_{9/2} \otimes \nu h_{11/2}^2 \otimes \nu(g_{7/2}/d_{5/2})$
 $\pi g_{9/2} \otimes \nu(h_{11/2})^2 \otimes \nu g_{7/2}$ explains high spin bands in ^{106}Ag . Other bands in ^{106}Ag can be described by two quasiparticle configurations.[&] Band(C): $\pi g_{9/2}^{-1} \otimes \nu h_{11/2}$, $\alpha=0$ (2007Jo01).^a Band(c): $\pi g_{9/2}^{-1} \otimes \nu h_{11/2}$, $\alpha=1$ (2007Jo01).^b Band(D): Chiral partner of $\pi g_{9/2}^{-1} \otimes \nu h_{11/2}$, $\alpha=0$ (2005Jo20,2007Jo01).^c Band(d): Chiral partner of $\pi g_{9/2}^{-1} \otimes \nu h_{11/2}$, $\alpha=1$ (2005Jo20,2007Jo01).^d Band(E): $\Delta J=1$ band based on 10⁻ (1994Je11).^e Band(F): Band based on 6⁺. Configuration= $\pi g_{9/2} \otimes \nu g_{7/2}$. $\gamma(^{106}\text{Ag})$

E _i (level)	J _i ^π	E _γ [#]	I _γ [@]	E _f	J _f ^π	Mult. [†]	δ [‡]	Comments
110.66	(2) ⁺	110.66 4	100	0.0	1 ⁺			
205.95	(3) ⁺	95.28 4	100.0 9	110.66	(2) ⁺			
		205.90 8	1.80 15	0.0	1 ⁺			
234.66	(1 ⁺ ,2 ⁺ ,3 ⁺)	28.7 10		205.95	(3) ⁺			
		234.66 5	100	0.0	1 ⁺			
277.04	1 ⁻ ,2 ⁻	166.34 10	0.92 14	110.66	(2) ⁺			
		277.04 4	100.0 9	0.0	1 ⁺			
328.87	5 ⁺	239.257 29	100	89.66	6 ⁺	[M1+E2]	0.02 2	Mult.: $\Delta\pi$ =no from decay scheme.
332.66	7 ⁺	242.98 4	100	89.66	6 ⁺	[M1+E2]	-0.15 2	Mult.: $\Delta\pi$ =no from decay scheme.
364.43	(2,3) ⁻	87.40 4	21.1 6	277.04	1 ⁻ ,2 ⁻			
		158.50 6	7.79 28	205.95	(3) ⁺			
		253.77 4	100.0 26	110.66	(2) ⁺			
389.16	3 ⁺	154.51 5	100.0 30	234.66	(1 ⁺ ,2 ⁺ ,3 ⁺)			
		278.48 5	89.1 30	110.66	(2) ⁺			
416.62	(1 ⁻)	139.62 8	20.9 26	277.04	1 ⁻ ,2 ⁻			
		305.94 7	100 5	110.66	(2) ⁺			
425.04	(2,3) ⁻	147.99 7	22.3 10	277.04	1 ⁻ ,2 ⁻			
		219.10 6	27.5 15	205.95	(3) ⁺			
		314.38 6	100 4	110.66	(2) ⁺			
449.11	(4) ⁺	243.18 5	100	205.95	(3) ⁺			
468.84		262.89 22	100	205.95	(3) ⁺			
503.03	(3 ⁺ ,4,5 ⁺)	113.88 5	100.0 27	389.16	3 ⁺			
		174.15 8	19.0 13	328.87	5 ⁺			
		297.06 6	74 4	205.95	(3) ⁺			

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

$\gamma(^{106}\text{Ag})$ (continued)								
$E_i(\text{level})$	J_i^π	$E_\gamma^\#$	$I_\gamma^\text{@}$	E_f	J_f^π	Mult. [†]	$\delta^\ddagger$	Comments
518.24	(3,4) ⁻	153.80 4	100.0 9	364.43	(2,3) ⁻			
		312.29 7	18.2 9	205.95	(3) ⁺			
542.58	6	209.88 6	100 12	332.66	7 ⁺	D+Q	0.2 2	
		213.55 10	94 25	328.87	5 ⁺	D+Q	-0.03 9	
		453.00 10	93 9	89.66	6 ⁺			
556.81	(5 ⁺)	53.77 7	9.9 10	503.03	(3 ⁺ ,4,5 ⁺)			
		107.71 4	100.0 9	449.11	(4) ⁺			
		467.12 8	30.5 20	89.66	6 ⁺			
565.14	(2,3) ⁻	140.07 8	14.0 20	425.04	(2,3) ⁻			
		200.72 6	59 3	364.43	(2,3) ⁻			
		288.18 15	28.4 28	277.04	1 ⁻ ,2 ⁻			
		359.12 8	100 8	205.95	(3) ⁺			
		454.52 7	89 4	110.66	(2) ⁺			
596.07	1 ⁻ ,2 ⁻ ,3 ⁻	361.40 7	100 4	234.66	(1 ⁺ ,2 ⁺ ,3 ⁺)			
		485.43 10	37.0 21	110.66	(2) ⁺			
597.26	1 ⁻ ,2 ⁻ ,3 ⁻	320.20 6	100 4	277.04	1 ⁻ ,2 ⁻			
		391.20 14	15.1 18	205.95	(3) ⁺			
		486.73 11	60.7 28	110.66	(2) ⁺			
602.77	(2 ⁻ ,3 ⁻)	325.73 7	100	277.04	1 ⁻ ,2 ⁻			
625.74	7 ⁺	293.09 4	100 6	332.66	7 ⁺	M1+E2	-0.17 8	I_γ : from (HI,xn γ).
		536.07 6	17 2	89.66	6 ⁺	M1+E2	$\approx$ 0.5	I_γ : from (HI,xn γ).
661.31	1 ⁻	384.27 7	100	277.04	1 ⁻ ,2 ⁻			
676.29	(5 ⁺)	173.26 8	13.9 12	503.03	(3 ⁺ ,4,5 ⁺)			
		227.19 5	100 3	449.11	(4) ⁺			
698.20	1 ⁻ ,2 ⁻ ,3 ⁻	333.79 7	100 5	364.43	(2,3) ⁻			
		421.14 7	58 3	277.04	1 ⁻ ,2 ⁻			
712.15	(4 ⁺)	116.09 6	100 4	596.07	1 ⁻ ,2 ⁻ ,3 ⁻			
		383.28 10	86 7	328.87	5 ⁺			
721.5	7 ⁺	392.60 30	100 8	328.87	5 ⁺	Q		
		631.9 4	67 27	89.66	6 ⁺	D		
730.43	(2 ⁺)	524.48 12	100	205.95	(3) ⁺			
741.58	(3 ⁺ ,4 ⁺)	352.42 8	100 5	389.16	3 ⁺			
		535.6 10	22 4	205.95	(3) ⁺			
765.24	6 ⁻	222.50 10	2.8 6	542.58	6			
		432.40 11	2.8 6	332.66	7 ⁺			
		436.75 7	2.8 6	328.87	5 ⁺	[E1]		E_γ : no final level within 0.29 keV. Mult.: $\Delta\pi$ =yes from decay scheme.
		675.52 4	100 2	89.66	6 ⁺	E1(+M2)	0.00 13	
769.68	1 ⁻ ,2 ⁻ ,3 ⁻	492.64 15	100	277.04	1 ⁻ ,2 ⁻			
769.96	6	441.09 7	100	328.87	5 ⁺	D+Q	0.15 5	E_γ : taken from $^{103}\text{Rh}(\alpha,\text{n}\gamma)$. Considered by the evaluators to be identical to the 439.9-keV γ transition observed in $^{96}\text{Zr}(^{14}\text{N},4\text{n}\gamma)$.
773.50	(5 ⁺)	324.39 10	100	449.11	(4) ⁺			
775.65	(4 ⁺ ,5)	272.62 8	100	503.03	(3 ⁺ ,4,5 ⁺)			
797.48		468.61 10	100	328.87	5 ⁺			
812.02	(3 ⁻)	447.55 7	100 4	364.43	(2,3) ⁻			
		535.08 12	57 3	277.04	1 ⁻ ,2 ⁻			
816.49	(4 ⁺)	427.23 9	54 5	389.16	3 ⁺			
		487.76 11	100 6	328.87	5 ⁺			
829.41	7 ⁻	64.18 5	100 3	765.24	6 ⁻			
		496.73 6	37 9	332.66	7 ⁺	E1+M2	0.8 2	
		739.79 7	22 2	89.66	6 ⁺	E1+M2	-0.06 14	
835.39	(2 ⁺ ,3 ⁺)	600.73 11	100	234.66	(1 ⁺ ,2 ⁺ ,3 ⁺)			

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Adopted Levels, Gammas (continued)

$\gamma(^{106}\text{Ag})$ (continued)								
$E_i(\text{level})$	J_i^π	$E_\gamma^\#$	I_γ°	E_f	J_f^π	Mult. [†]	$\delta^\ddagger$	Comments
861.58	(3 ⁻ ,4,5 ⁻)	497.14 8	100	364.43	(2,3) ⁻			
874.24	8 ⁻	44.85 5	100 31	829.41	7 ⁻			I_γ : from (HI,xn γ).
		541.57 4	41 3	332.66	7 ⁺	E1(+M2)	0.00 2	B(E1)(W.u.)=(3.5 $\times 10^{-6}$ 11) I_γ : from (HI,xn γ).
881.24	(6 ⁺)	548.61 8	74 5	332.66	7 ⁺			
		552.36 9	100 6	328.87	5 ⁺			
887.68	(5 ⁺)	211.43 10	26 4	676.29	(5 ⁺)			
		438.55 7	100 5	449.11	(4) ⁺			
902.98	1 ⁻ ,2 ⁻ ,3 ⁻	625.94 20	100	277.04	1 ⁻ ,2 ⁻			
912.38	(5,7) ⁻	147.14 7	100	765.24	6 ⁻			
917.37	1 ⁻ ,2 ⁻ ,3 ⁻	492.32 17	100	425.04	(2,3) ⁻			
923.10	(2 ⁺ ,3 ⁺ ,4 ⁺)	533.94 12	100	389.16	3 ⁺			
923.66	(1 ⁺ ,2 ⁺)	689.00 10	100	234.66	(1 ⁺ ,2 ⁺ ,3 ⁺)			
926.6	8 ⁻	594.2 3	100	332.66	7 ⁺			
927.26	(6 ⁺)	594.54 15	23 5	332.66	7 ⁺			
		598.37 7	100 5	328.87	5 ⁺			
933.18	(5 ⁺)	414.94 8	100	518.24	(3,4) ⁻			
936.46	0 ⁻ ,1 ⁻	659.42 9	100	277.04	1 ⁻ ,2 ⁻			
944.82	(2 ⁺ ,3 ⁺ ,4 ⁺)	738.87 13	100	205.95	(3) ⁺			
961.76	8 ⁺	629.17 7	100 17	332.66	7 ⁺	M1+E2	6 2	I_γ : from (HI,xn γ).
								Mult.: $\Delta\pi$ =no from decay scheme.
		872.00 8	64 23	89.66	6 ⁺	E2		I_γ : from (HI,xn γ).
979.14	8 ⁺	353.44 8	100	625.74	7 ⁺	M1+E2	0.05 2	
1001.87	(2 ⁻ ,3 ⁻ ,4 ⁻)	637.43 8	100	364.43	(2,3) ⁻			
1003.41		797.46 10	100	205.95	(3) ⁺			
1043.90	9 ⁻	169.64 6	100	874.24	8 ⁻	D+Q	0.04 2	
1063.18	(4 ⁺ ,5 ⁺)	386.90 8	100	676.29	(5 ⁺)			
1086.86	(4 ⁻ ,5 ⁻)	568.62 9	100	518.24	(3,4) ⁻			
1106.33	(3 ⁻ ,4 ⁻)	588.09 8	100	518.24	(3,4) ⁻			
1123.55	(5 ⁻ ,6 ⁻)	605.31 10	100	518.24	(3,4) ⁻			
1133.88	(4 ⁺)	805.01 14	100	328.87	5 ⁺			
1135.66	(2 ⁻ ,3 ⁻ ,4 ⁻)	274.08 8	100	861.58	(3 ⁻ ,4,5 ⁻)			
1145.06	(2 ⁻ ,3 ⁻ ,4 ⁻)	780.62 10	100	364.43	(2,3) ⁻			
1150.07	(2 ⁺ ,3 ⁺ ,4 ⁺)	760.90 15	100	389.16	3 ⁺			
1166.8	(2 ⁻ ,3 ⁻ ,4 ⁻)	802.39 28	100	364.43	(2,3) ⁻			
1224.67	(6,7) ⁻	459.43 8	100	765.24	6 ⁻			
1230.03	(2 ⁻ ,3 ⁻ ,4 ⁻)	418.01 15	100	812.02	(3 ⁻)			
1263.13		219.22 7	100	1043.90	9 ⁻			
1288.98	(4 ⁺ ,5 ⁺)	960.11 14	100	328.87	5 ⁺			
1303.26	(5 ⁻ ,6 ⁻ ,7 ⁻)	538.01 7	100	765.24	6 ⁻			
1329.54	(3 ⁻ ,4 ⁻)	811.30 15	100	518.24	(3,4) ⁻			
1387.58	9 ⁺	1054.90 7	100	332.66	7 ⁺	[E2]		Mult.: $\Delta\pi$ =no from decay scheme.
1413.26	(5,6) ⁻	648.01 8	100	765.24	6 ⁻			
1420.72	10 ⁻	376.81 5	100.0 4	1043.90	9 ⁻	D+Q	0.04 2	
		546.6 2	7.3 16	874.24	8 ⁻			E_γ : no final level within 0.70 keV.
1533.14		270.01 8	100	1263.13				
1553.01	10 ⁻	509.5 2	100 23	1043.90	9 ⁻			
		625.2 3	35 9	927.26	(6 ⁺)			
1571.95	9 ⁺	592.6 4	99 15	979.14	8 ⁺	D+Q	0.15 10	
		945.7 3	100 20	625.74	7 ⁺	Q		
1764.13	11 ⁻	343.45 5	100 5	1420.72	10 ⁻	D(+Q)	0.00 2	
		719.7 2	38 4	1043.90	9 ⁻	E2		B(E2)(W.u.)=66 15

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

$\gamma(^{106}\text{Ag})$ (continued)								Comments
$E_i(\text{level})$	J_i^π	$E_\gamma^\#$	$I_\gamma^\oplus$	E_f	J_f^π	Mult. [†]	$\delta^\ddagger$	
1863.0	9 ⁻	989.9 4	100	874.24	8 ⁻			Mult.: M2 ruled out because B(M2)(W.u.) $\approx$ 3100.
1902.22	10 ⁺	330.0 2	58 10	1571.95	9 ⁺			
		923.4 2	100 14	979.14	8 ⁺	Q		
1925.67	11 ⁻	372.7 1	100 32	1553.01	10 ⁻			
		504.8 2	61 13	1420.72	10 ⁻			
1957.62	11 ⁽⁻⁾	536.9 2	100	1420.72	10 ⁻	D+Q	-0.3 2	Mult.: no δ given.
2033.48	9 ⁻	989.4 4	100 3	1043.90	9 ⁻	D+Q		
		1204.2 2	31 3	829.41	7 ⁻	Q		
2114.51	10 ⁺	726.9 2	63 14	1387.58	9 ⁺			
		1153.0 10	100 33	961.76	8 ⁺	Q		
2247.42	12 ⁻	321.9 2	100 15	1925.67	11 ⁻			
		694.4 2	9 3	1553.01	10 ⁻			
2254.47	12 ⁻	490.1 4	100 13	1764.13	11 ⁻	D		B(E2)(W.u.)=34 14 Mult.: E2 from RUL.
		833.9 4	19 4	1420.72	10 ⁻	E2		
2272.3	10 ⁻	409.0 2	77 32	1863.0	9 ⁻			
		508		1764.13	11 ⁻			
		851		1413.26	(5,6) ⁻			
		1228.4 1	73 3	1043.90	9 ⁻	D+Q	-0.5 3	
		1398.3 3	100 5	874.24	8 ⁻	Q		
2441.60	11 ⁻	169.4 2	53 8	2272.3	10 ⁻			E $_\gamma$, I $_\gamma$: from 1981Po06 in $^{96}\text{Zr}(^{14}\text{N}, 4\text{n})$. E $_\gamma$, I $_\gamma$, Mult., δ : from 1981Po06 in $^{96}\text{Zr}(^{14}\text{N}, 4\text{n})$. Mult., δ : if J^π of 2441.60 (11 ⁻), 2033.48 (9 ⁻) levels are correct D+Q is impossible.
		408.2 2	57 6	2033.48	9 ⁻	D+Q	0.07 5	
		678		1764.13	11 ⁻			E $_\gamma$, I $_\gamma$, Mult.: from $^{96}\text{Zr}(^{14}\text{N}, 4\text{n})$ (1981Po06). $\delta \geq -0.44$, ≤ -0.06 or ≥ 0.4 , ≤ 0.9 .
		1020.8 1	100 4	1420.72	10 ⁻	D+Q		
		1054.0 5	13 6	1387.58	9 ⁺			E $_\gamma$: from $^{100}\text{Mo}(^{10}\text{B}, 4\text{n}\gamma)$ (2005Jo20).
		1398		1043.90	9 ⁻			
2512.69	13 ⁻	265.3 1	100 12	2247.42	12 ⁻			
		586.7 3	40 12	1925.67	11 ⁻			
2572.0	11 ⁺	1184.3 4	100	1387.58	9 ⁺	Q		
2660.79	12 ⁻	219.2 1	100	2441.60	11 ⁻	D+Q	0.06 2	E $_\gamma$, I $_\gamma$, Mult.: from $^{96}\text{Zr}(^{14}\text{N}, 4\text{n})$ (1981Po06).
		389		2272.3	10 ⁻			
		407		2254.47	12 ⁻			
		897		1764.13	11 ⁻			
2745.2	13 ⁻	1240		1420.72	10 ⁻			B(E2)(W.u.)=22 8 Mult.: E2 from RUL.
		304		2441.60	11 ⁻			
		491.2 5	100 5	2254.47	12 ⁻	D		
		981.2 7	41 6	1764.13	11 ⁻	E2		
2764.5	14 ⁻	252.2 1	100	2512.69	13 ⁻			
2930.58	13 ⁻	269.8 1	100 8	2660.79	12 ⁻	D+Q	0.11 2	
		488.5 4	13 5	2441.60	11 ⁻			
		676		2254.47	12 ⁻			
		1167		1764.13	11 ⁻			
3017.2	11 ⁺	1115.1 3	100	1902.22	10 ⁺			
3179.8	15 ⁻	414.9 5	100	2764.5	14 ⁻			
3256.87	14 ⁻	326.3 1	100 14	2930.58	13 ⁻	D+Q	0.08 5	
		512		2745.2	13 ⁻			
		596.2 3	33 11	2660.79	12 ⁻			
		1003		2254.47	12 ⁻			
3260.0	12 ⁺	687.9 3	63 14	2572.0	11 ⁺			
		1145.3 5	100 30	2114.51	10 ⁺			

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Adopted Levels, Gammas (continued)

$\gamma(^{106}\text{Ag})$ (continued)							
$E_i(\text{level})$	J_i^π	$E_\gamma^\#$	$I_\gamma^\text{@}$	E_f	J_f^π	Mult. [†]	$\delta^\ddagger$
3297.1	14 ⁻	551.9 2	100 14	2745.2	13 ⁻		
		637		2660.79	12 ⁻		
		1042.3 3	21 7	2254.47	12 ⁻		
3446.2	13 ⁺	230	100	3216.2	12 ⁺		
3490.2	13 ⁺	230.2 1	100 18	3260.0	12 ⁺		
		473.0 2	29 7	3017.2	11 ⁺		
3686.45	15 ⁻	389		3297.1	14 ⁻		
		429.6 1	100 18	3256.87	14 ⁻	D+Q	0.08 6
		755.6 3	42 9	2930.58	13 ⁻		
3704.2	14 ⁺	258	100	3446.2	13 ⁺		
3748.6	14 ⁺	258.4 1	100	3490.2	13 ⁺		
3785.4	(12)	1213.4 4	100	2572.0	11 ⁺		
3871.5	(14)	611.5 4	100	3260.0	12 ⁺		
3891.2	15 ⁻	593.9 2	100 27	3297.1	14 ⁻		
		1146.4 3	75 12	2745.2	13 ⁻		
4094.8	15 ⁺	346.7	100	3748.6	14 ⁺		
4223.3	16 ⁻	536.6 3	100 14	3686.45	15 ⁻		
		926		3297.1	14 ⁻		
		966.7 4	22 10	3256.87	14 ⁻		
4456.0	16 ⁺	404.7		4051.1	15 ⁺		
		752.0		3704.2	14 ⁺		
4500.0	16 ⁺	405.1 1	100 15	4094.8	15 ⁺		
		752.5 3	18 5	3748.6	14 ⁺		
4503.4	16 ⁻	612.1 4	100 21	3891.2	15 ⁻		
		1206.6 6	54 18	3297.1	14 ⁻		
4742.8	17 ⁻	519.2 5	62 10	4223.3	16 ⁻		
		1056.5 5	100 27	3686.45	15 ⁻		
4921.2	17 ⁺	464.8		4456.0	16 ⁺		
		870.0		4051.1	15 ⁺		
4965.3	17 ⁺	465.4 1	100 19	4500.0	16 ⁺		
		870.9 5	30 10	4094.8	15 ⁺		
5127.3	(17 ⁻)	624		4503.4	16 ⁻		
		1236		3891.2	15 ⁻		
5414.9	(18 ⁻)	672		4742.8	17 ⁻		
		1192		4223.3	16 ⁻		
5424.5	18 ⁺	503.0		4921.2	17 ⁺		
		969.0		4456.0	16 ⁺		
5468.6	18 ⁺	503.2 1	100 14	4965.3	17 ⁺		
		968.3 2	54 11	4500.0	16 ⁺		
5554.8	18 ⁺	588.9 2	100 17	4965.3	17 ⁺		
		1054.3 3	76 32	4500.0	16 ⁺		
5801.4	(18 ⁻)	674		5127.3	(17 ⁻)		
		1298		4503.4	16 ⁻		
6011.4	19 ⁺	587		5424.5	18 ⁺		
		1090		4921.2	17 ⁺		
6026.6	19 ⁻	1283.8 5	100	4742.8	17 ⁻		
6056.2	19 ⁺	586.8 2	91 17	5468.6	18 ⁺		
		1091.5 4	100 15	4965.3	17 ⁺		
6436.4	(19 ⁻)	635		5801.4	(18 ⁻)		
		1309		5127.3	(17 ⁻)		
6760.8	(20 ⁻)	734		6026.6	19 ⁻		
		1346		5414.9	(18 ⁻)		

[†] Deduced from $\gamma(\theta)$ and $\gamma\gamma$ -DCOQ (directional correlation from oriented nuclei referred to quadrupole transitions method) γ lin

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Adopted Levels, Gammas (continued)

 $\gamma(^{106}\text{Ag})$ (continued)

pol. and J^π assignments.

[‡] Deduced from $\gamma(\theta)$ and $\gamma\gamma$ -DCOQ (directional correlation from oriented nuclei referred to quadrupole transitions method).

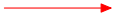
[#] calculated with a least-squares procedure using gammas from (HI,xn γ), $^{103}\text{Rh}(\alpha,\text{n}\gamma)$, $^{104}\text{Pd}(\alpha,\text{p}\text{n}\gamma)$ and $^{106}\text{Pd}(\text{p},\text{n}\gamma)$ if all available, if not only available data sets used.

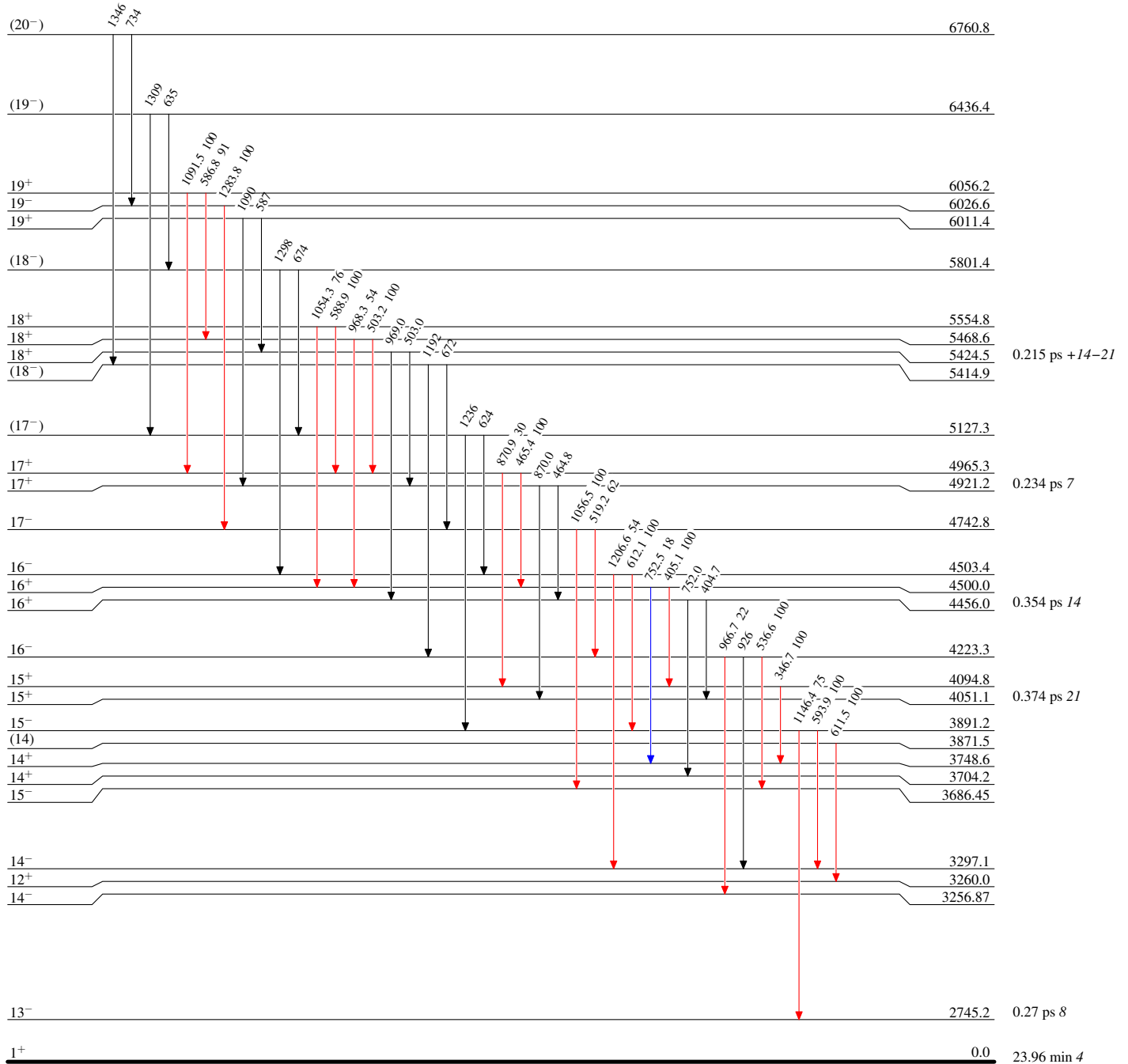
[@] Unless noted otherwise, relative photon branchings for each level were calculated with a least-squares procedure using data from (HI,xn γ), $^{103}\text{Rh}(\alpha,\text{n}\gamma)$, $^{104}\text{Pd}(\alpha,\text{p}\text{n}\gamma)$ and $^{106}\text{Pd}(\text{p},\text{n}\gamma)$ if all available, if not only available data sets used.

Adopted Levels, Gammas**Level Scheme**

Intensities: Type not specified

Legend

-  $I_\gamma < 2\% \times I_\gamma^{\max}$
 $I_\gamma < 10\% \times I_\gamma^{\max}$
 $I_\gamma > 10\% \times I_\gamma^{\max}$

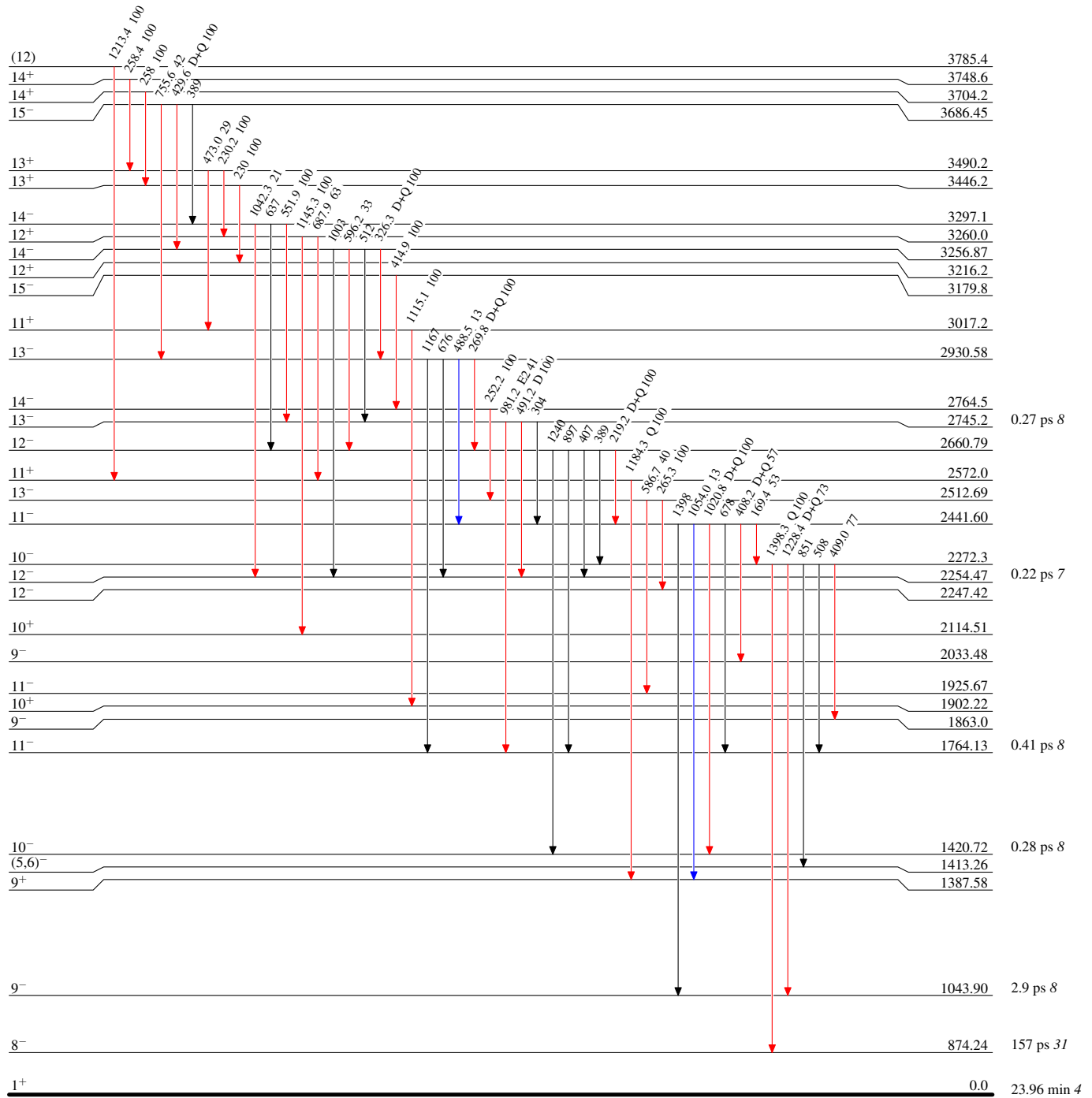
 $^{106}_{47}\text{Ag}_{59}$

Adopted Levels, Gammas**Level Scheme (continued)**

Intensities: Type not specified

Legend

- $\longrightarrow$ $I_\gamma < 2\% \times I_\gamma^{\max}$
 $\longrightarrow$ $I_\gamma < 10\% \times I_\gamma^{\max}$
 $\longrightarrow$ $I_\gamma > 10\% \times I_\gamma^{\max}$

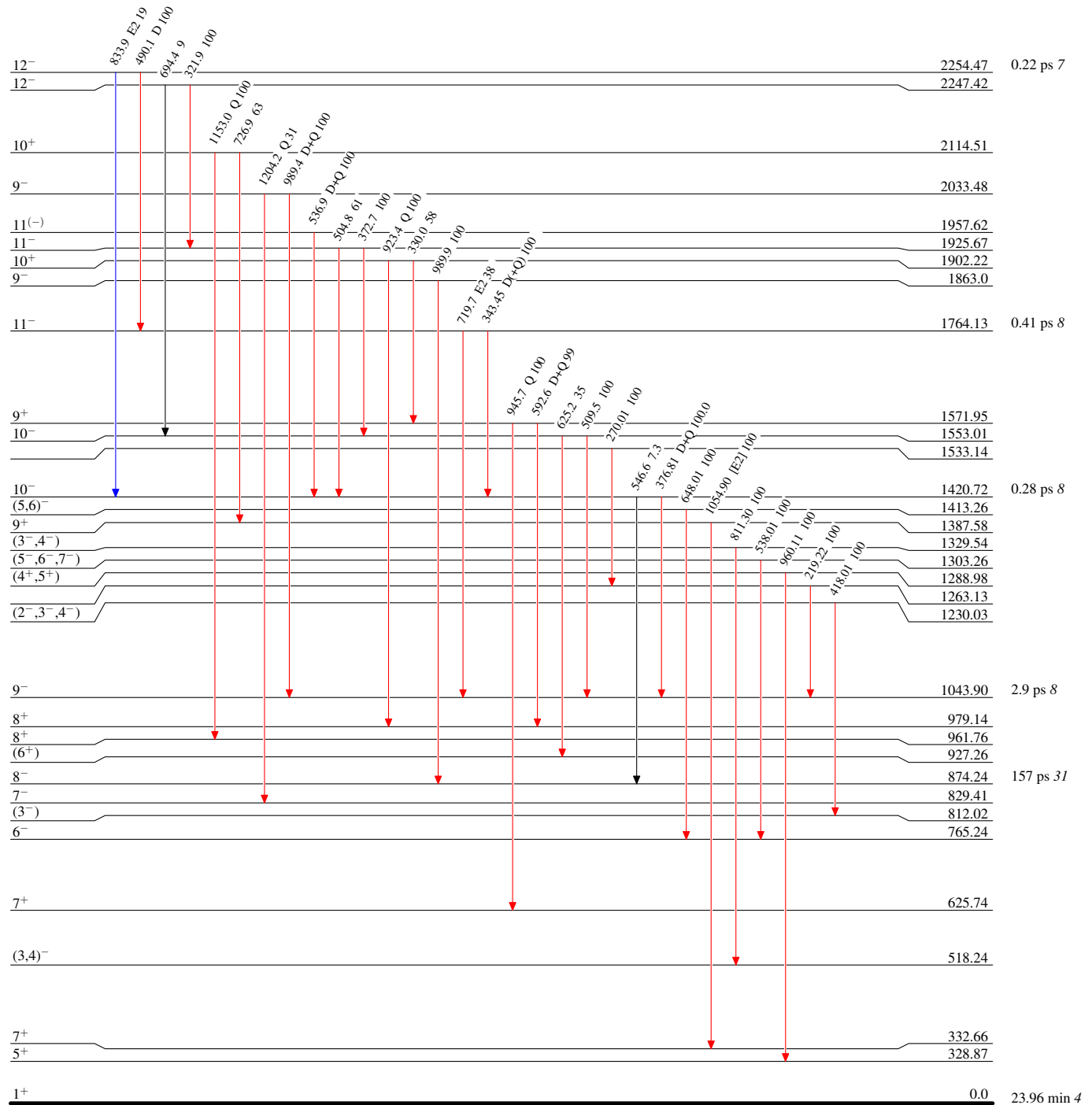


Adopted Levels, Gammas**Level Scheme (continued)**

Intensities: Type not specified

Legend

- $\longrightarrow$ $I_\gamma < 2\% \times I_\gamma^{\max}$
 $\longrightarrow$ $I_\gamma < 10\% \times I_\gamma^{\max}$
 $\longrightarrow$ $I_\gamma > 10\% \times I_\gamma^{\max}$

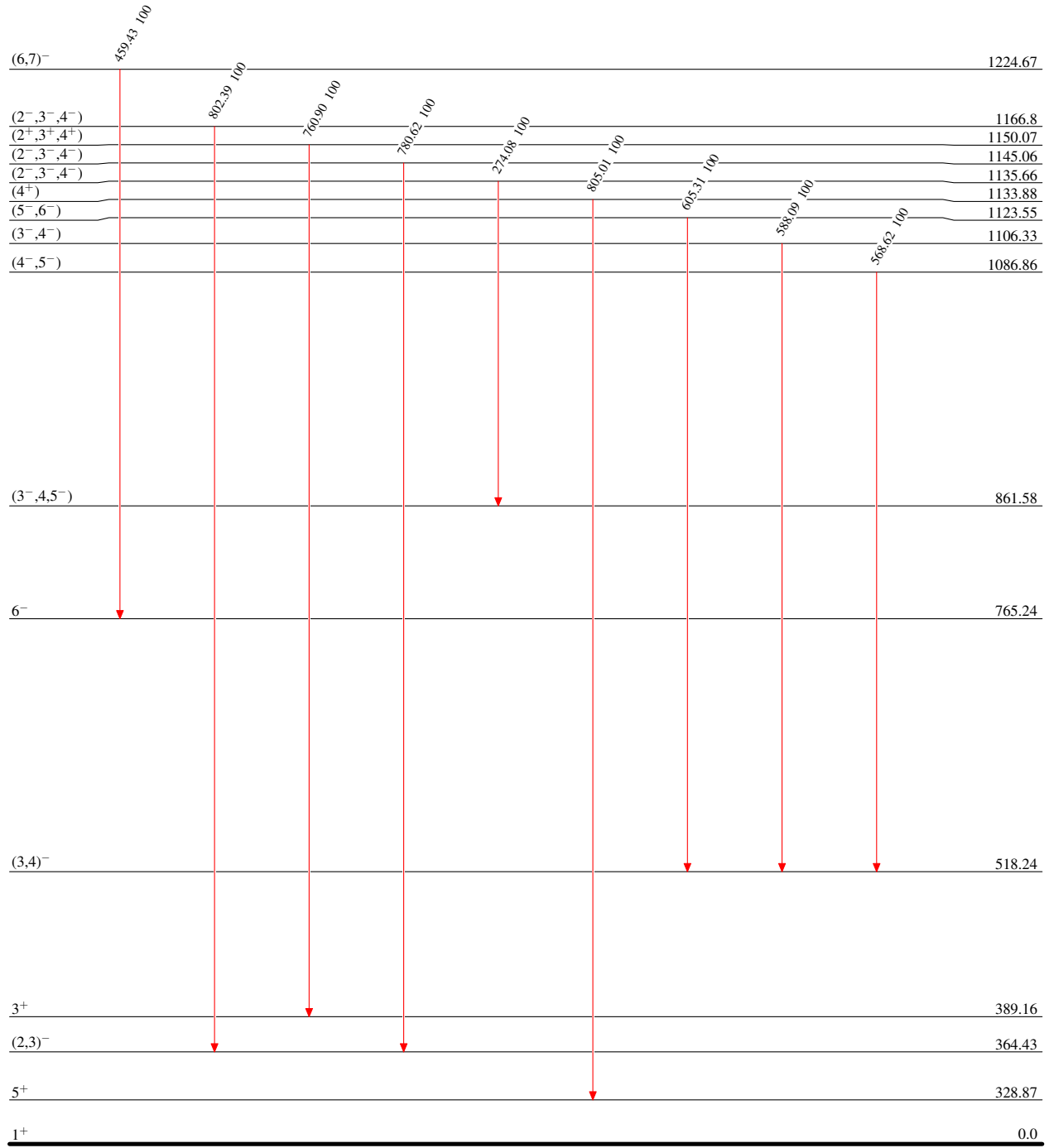


Adopted Levels, Gammas**Level Scheme (continued)**

Intensities: Type not specified

Legend

- $I_\gamma < 2\% \times I_\gamma^{\max}$
- $I_\gamma < 10\% \times I_\gamma^{\max}$
- $I_\gamma > 10\% \times I_\gamma^{\max}$

 $^{106}_{47}\text{Ag}_{59}$

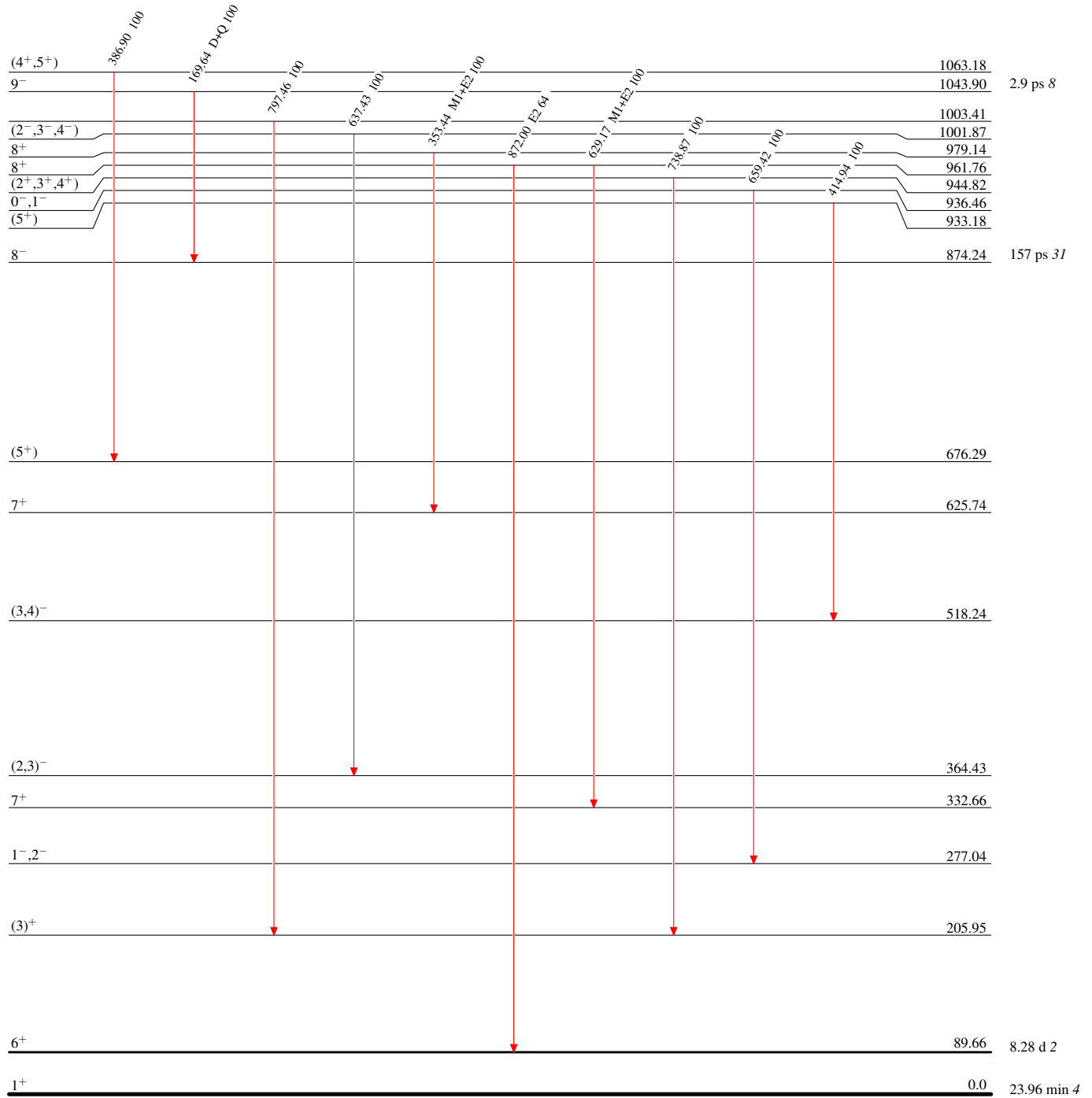
23.96 min 4

Adopted Levels, Gammas**Level Scheme (continued)**

Intensities: Type not specified

Legend

-  $I_\gamma < 2\% \times I_\gamma^{\max}$
 $I_\gamma < 10\% \times I_\gamma^{\max}$
 $I_\gamma > 10\% \times I_\gamma^{\max}$



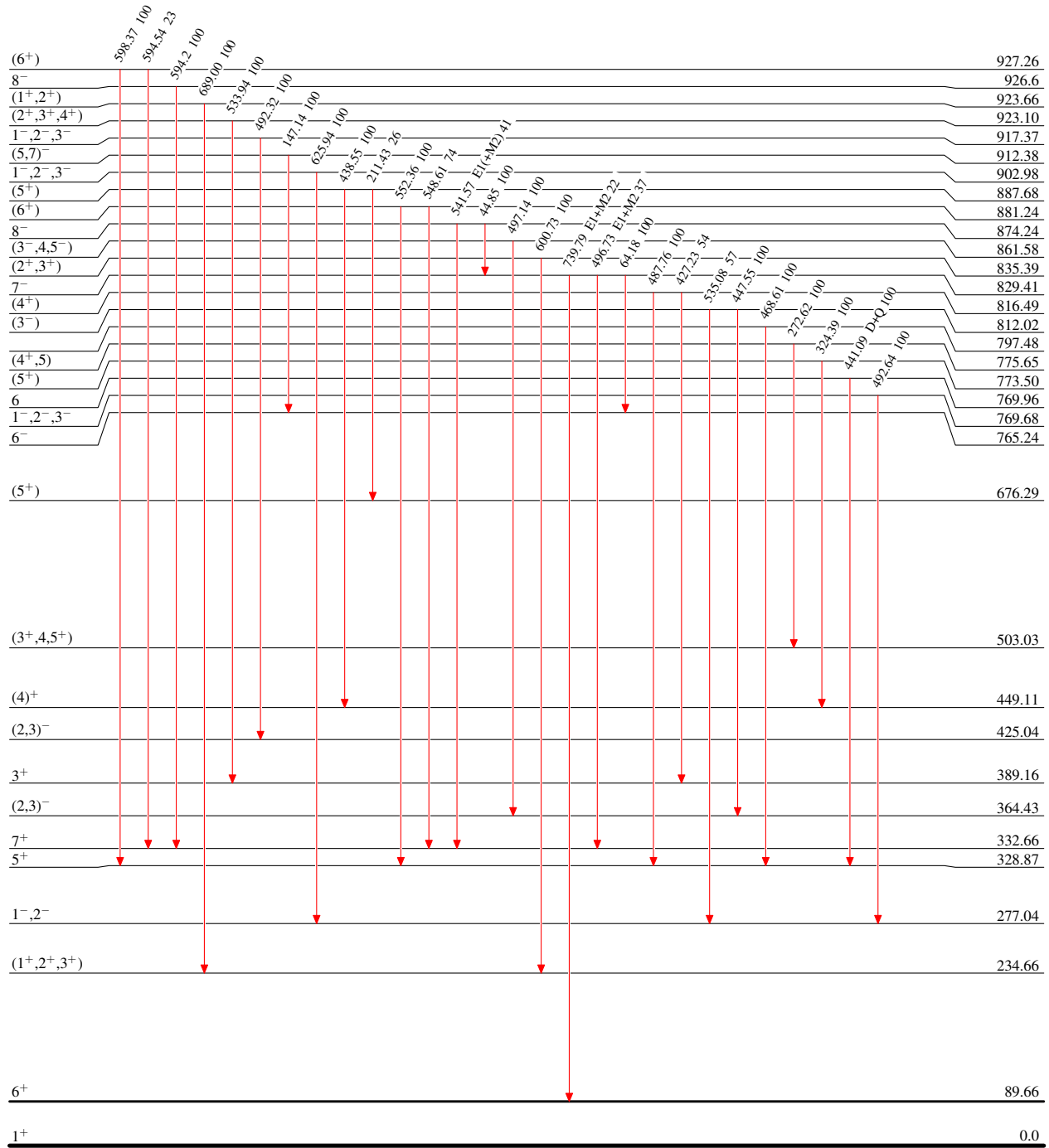
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

Legend

- $I_\gamma < 2\% \times I_\gamma^{\max}$
- $I_\gamma < 10\% \times I_\gamma^{\max}$
- $I_\gamma > 10\% \times I_\gamma^{\max}$



157 ps 31

8.28 d 2

23.96 min 4

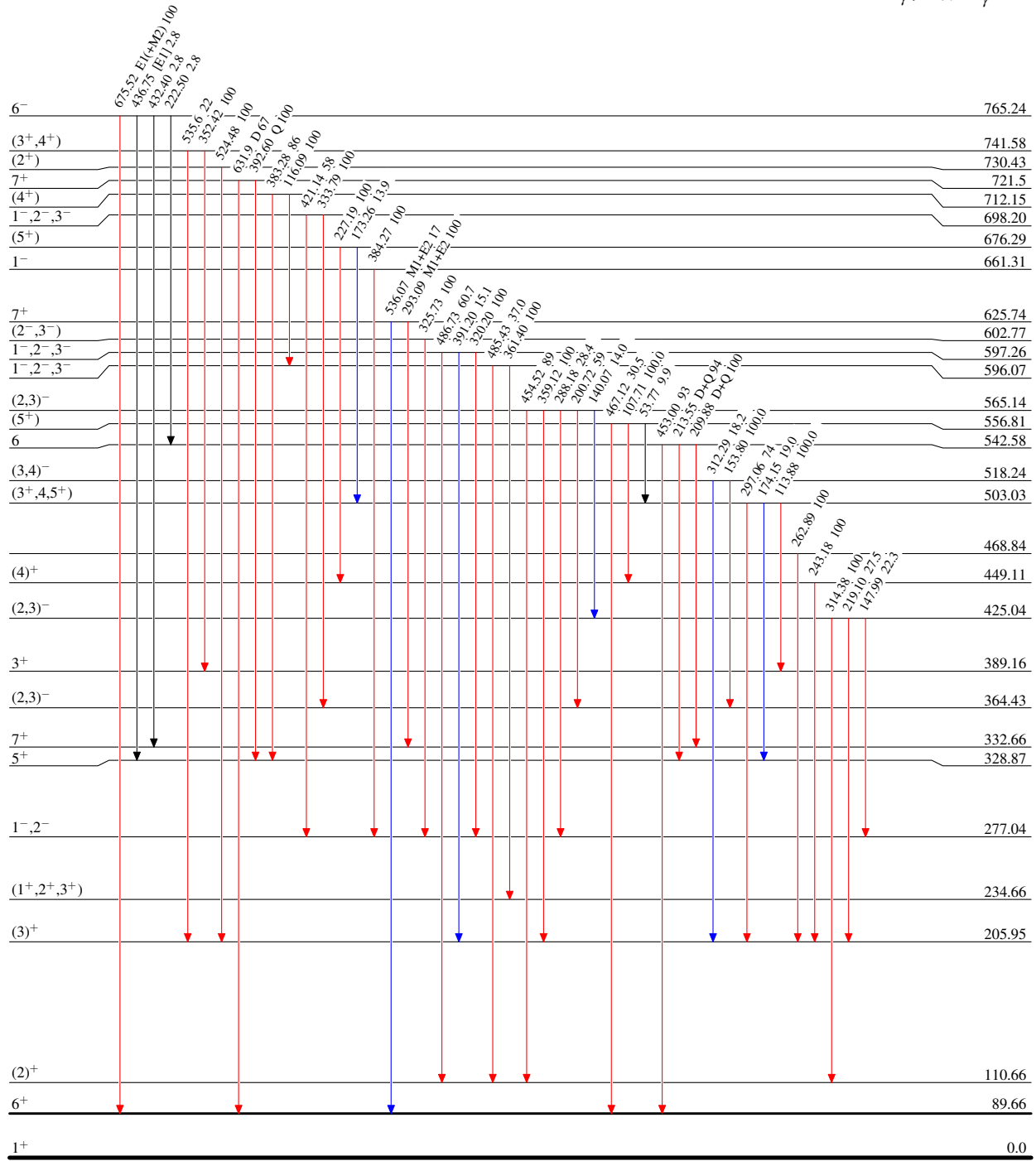
$^{106}_{47}\text{Ag}_{59}$

Adopted Levels, Gammas**Level Scheme (continued)**

Intensities: Type not specified

Legend

-  $I_\gamma < 2\% \times I_\gamma^{\max}$
 $I_\gamma < 10\% \times I_\gamma^{\max}$
 $I_\gamma > 10\% \times I_\gamma^{\max}$

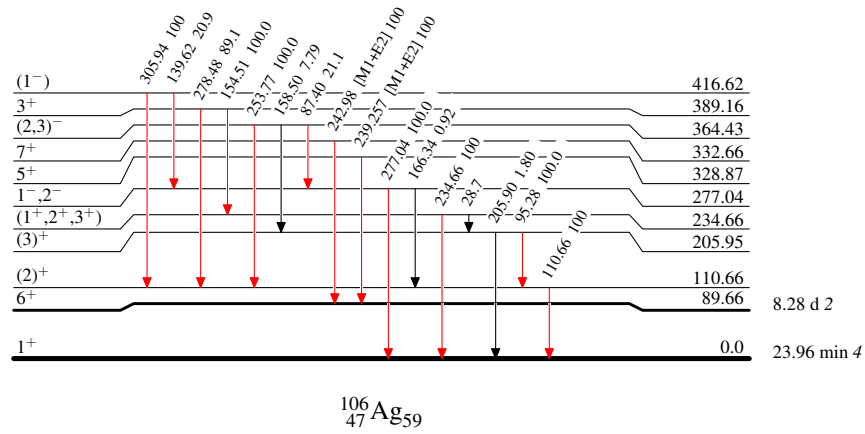


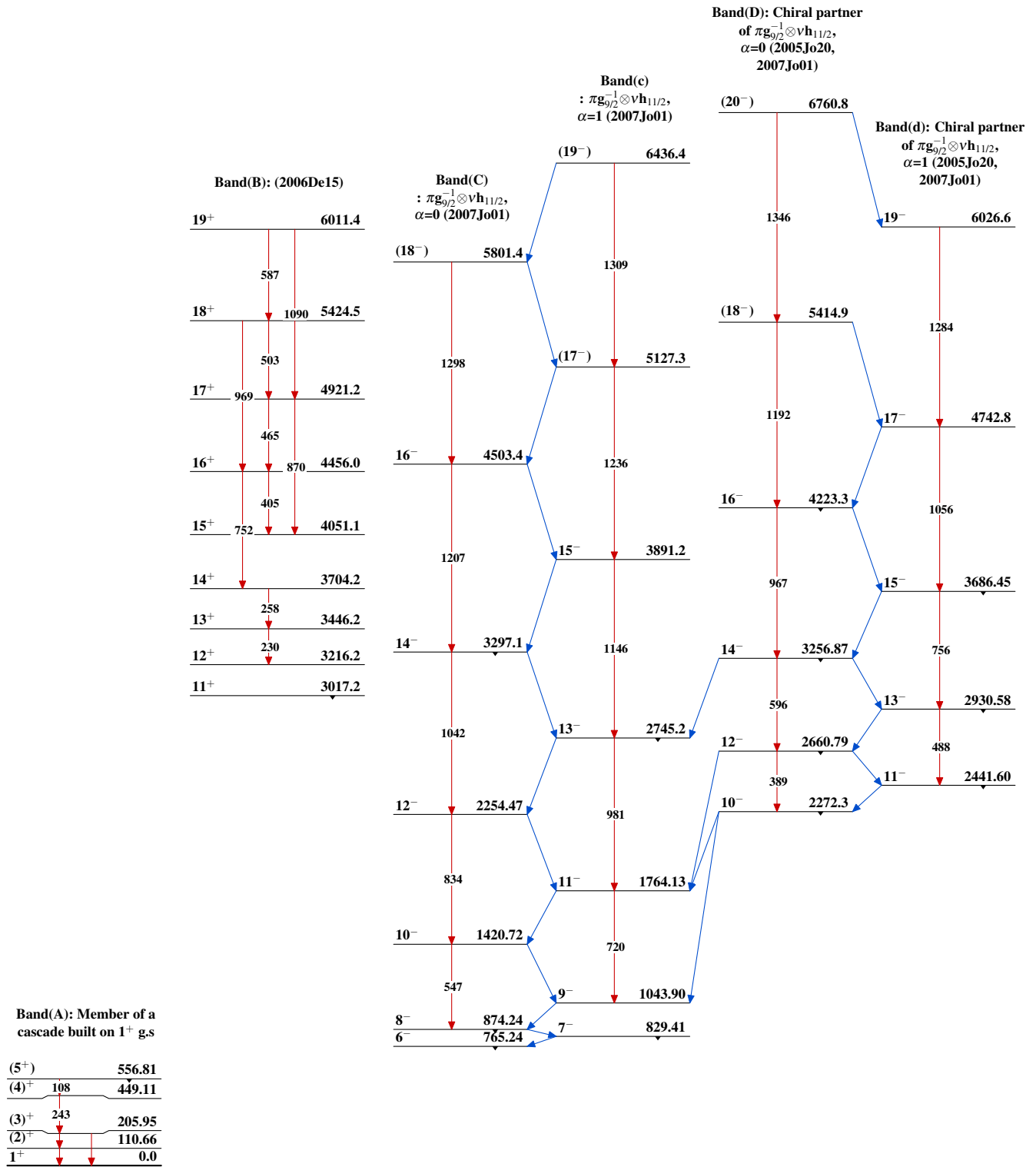
Adopted Levels, Gammas**Level Scheme (continued)**

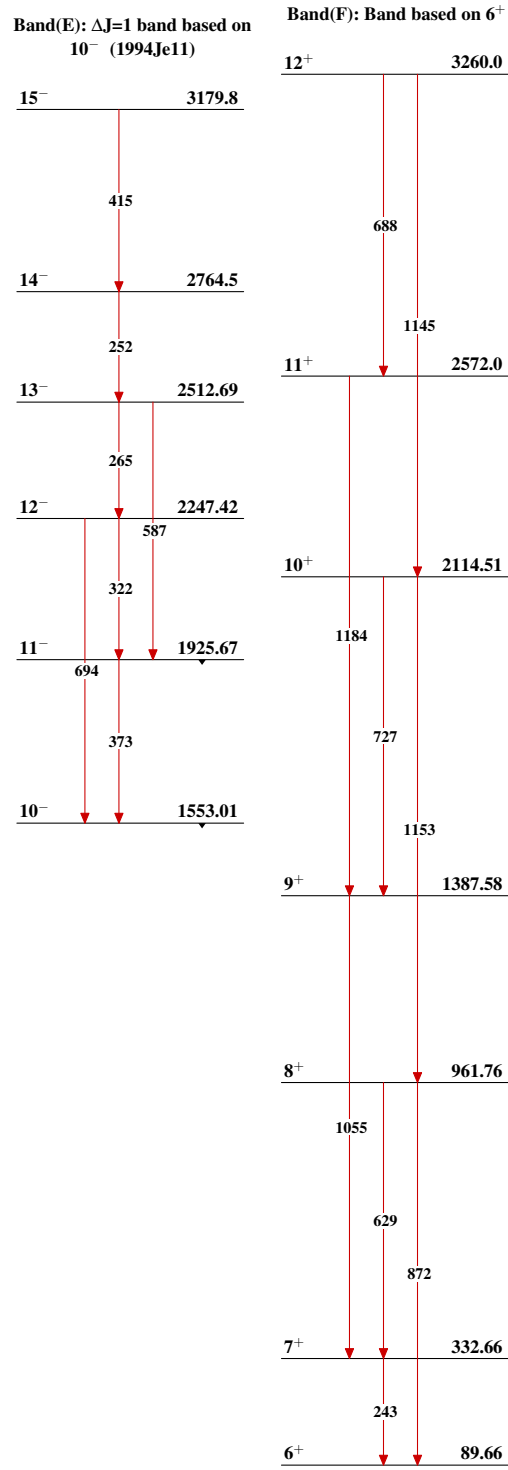
Intensities: Type not specified

Legend

- $\longrightarrow$ $I_\gamma < 2\% \times I_\gamma^{\max}$
 $\longrightarrow$ $I_\gamma < 10\% \times I_\gamma^{\max}$
 $\longrightarrow$ $I_\gamma > 10\% \times I_\gamma^{\max}$



Adopted Levels, Gammas

Adopted Levels, Gammas (continued) $^{106}_{47}\text{Ag}_{59}$