

Adopted Levels, Gammas

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia	NDS	102,719 (2004)	1-Jun-2004

$Q(\beta^-) = -5.18 \times 10^3$ 3; $S(n) = 9.69 \times 10^3$ 4; $S(p) = 2.35 \times 10^3$ 4; $Q(\alpha) = 4.01 \times 10^3$ 4 [2012Wa38](#)

Note: Current evaluation has used the following Q record -5180 309690 402350 404010 40 [2003Au03](#).

See [1990Ri10](#) for a discussion of rotational structure in ^{175}Re .

 ^{175}Re LevelsCross Reference (XREF) Flags

- A** $^{161}\text{Dy}(^{19}\text{F}, 5n\gamma)$
B $^{156}\text{Gd}(^{23}\text{Na}, 4n\gamma)$
C ^{175}Os ε decay

E(level) [†]	J ^π [‡]	T _{1/2}	XREF	Comments
0.0 [#]	(5/2 ⁻)	5.89 min 5	ABC	$\% \varepsilon + \% \beta^+ = 100$ T _{1/2} : from 1984Sz07 . Other values: 5.7 min, private communication from G.F. Blower, quoted by 1984Sz07 ; 4.6 min 4 (1977Ha24); 4.4 min 10 (1972Be89); and 5 min 1 (1967Na17). J ^π , configuration: Systematics of the 1/2[541] Nilsson state in other odd-A rhenium isotopes.
75.7 [#]	(9/2 ⁻)		AB	
(76.4 ^c)	(9/2 ⁻)		AB	XREF: B(0.0+X). E(level): Estimated value. State's excitation energy was unknown, but based on the basis of population intensity in $^{161}\text{Dy}(^{19}\text{F}, 5n\gamma)$ (1992Ki06).
125.3 ^a	(5/2 ⁺)		AB	
(236.9 ^c 12)	(11/2 ⁻)		AB	
239.8 ^a 12	(7/2 ⁺)		AB	
272.2 [#] 7	(13/2 ⁻)		AB	
361.9 ^{&} 12	(7/2 ⁺)		AB	
377.6 ^a 11	(9/2 ⁺)		AB	
(427.9 ^c 12)	(13/2 ⁻)		AB	
489.4 ^{&} 12	(9/2 ⁺)		AB	
536.3 ^a 11	(11/2 ⁺)		AB	
587.4 [#] 9	(17/2 ⁻)		AB	
(638.0 ^c 12)	(15/2 ⁻)		AB	
638.5 ^{&} 11	(11/2 ⁺)		AB	
709.6 ^a 11	(13/2 ⁺)		AB	
807.4 ^{&} 11	(13/2 ⁺)		AB	
(868.9 ^c 12)	(17/2 ⁻)		AB	
899.1 ^a 11	(15/2 ⁺)		AB	
994.9 ^{&} 11	(15/2 ⁺)		AB	
1008.5 [#] 10	(21/2 ⁻)		AB	
1080.3 [@] 17	(13/2 ⁺)		A	
1100.1 ^a 11	(17/2 ⁺)		AB	
(1109.3 ^c 12)	(19/2 ⁻)		AB	
1198.1 ^{&} 11	(17/2 ⁺)		AB	
1316.5 ^a 11	(19/2 ⁺)		AB	
1324.5 [@] 10	(17/2 ⁺)		AB	

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Adopted Levels, Gammas (continued) ^{175}Re Levels (continued)

E(level) [†]	J ^π [‡]	T _{1/2}	XREF	Comments
(1365.1 ^c 12)	(21/2 ⁻)		AB	
1403.9 ^b 12	(15/2)		A	
1418.2 ^{&} 11	(19/2 ⁺)		AB	
1520.1 [#] 11	(25/2 ⁻)		AB	
1543.4 ^a 11	(21/2 ⁺)		AB	
1601.3 10	(21/2 ⁻)		A	
1614.5 ^b 12	(17/2)		A	
1616.8 [@] 10	(21/2 ⁺)		AB	
(1625.1 ^c 12)	(23/2 ⁻)		AB	
1655.6 ^{&} 11	(21/2 ⁺)		AB	
1787.4 ^a 11	(23/2 ⁺)		AB	
1793.8 ^b 11	(19/2)	≈27.7 ns	A	T _{1/2} : From $^{161}\text{Dy}(^{19}\text{F},5\text{n}\gamma)$ in 1992Ki06.
1898.4 ^{&} 12	(23/2 ⁺)		AB	
(1898.5 ^c 12)	(25/2 ⁻)		AB	
1909.6 12	(23/2 ⁺)		A	
1943.5 ^b 12	(21/2)		A	
1991.7 [@] 11	(25/2 ⁺)		AB	
2043.1 ^a 12	(25/2 ⁺)		AB	
2105.3 [#] 12	(29/2 ⁻)		AB	
2120.5 ^b 12	(23/2)		A	
2168.9 ^{&} 12	(25/2 ⁺)		AB	
(2176.8 ^c 12)	(27/2 ⁻)		AB	
2305.8 ^a 12	(27/2 ⁺)		AB	
2323.0 ^b 12	(25/2)		A	
2326.1 [@] 12	(27/2 ⁺)		A	
2432.9 ^{&} 13	(27/2 ⁺)		AB	
2440.0 [@] 12	(29/2 ⁺)		AB	
2450.4 13	(27/2 ⁺)		A	
(2467.8 ^c 12)	(29/2 ⁻)		AB	
2549.3 ^b 13	(27/2)		A	
2576.9 13	(29/2 ⁺)		AB	
2580.0 12	(29/2 ⁻)		A	
2738.0 ^{&} 13	(29/2 ⁺)		A	
2739.5 [#] 13	(33/2 ⁻)		AB	
(2762.1 ^c 12)	(31/2 ⁻)		AB	
2797.4 ^b 13	(29/2)		A	
2799.9 [@] 13	(31/2 ⁺)		A	
2950.7 [@] 13	(33/2 ⁺)		AB	
3037.4 12	(33/2 ⁻)		A	
(3042.6 ^c 13)	(33/2 ⁻)		AB	
3042.9 13	(33/2 ⁻)		A	
3066.2 ^b 13	(31/2)		A	
3122.6 13	(33/2 ⁻)		A	
3142.2 13	(33/2 ⁺)		A	
3172.2 13	(33/2 ⁻)		A	
3212.3 13	(33/2 ⁺)		A	
(3276.1 ^c 13)	(35/2 ⁻)		AB	

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Adopted Levels, Gammas (continued) ^{175}Re Levels (continued)

E(level) [†]	J ^π [‡]	XREF	E(level) [†]	J ^π [‡]	XREF	E(level) [†]	J ^π [‡]	XREF
3351.5 [@] 14	(35/2 ⁺)	A	4310.2 ^b 14	(39/2)	A	6318.5 [@] 17	(53/2 ⁺)	AB
3353.6 ^b 13	(33/2)	A	4336.5 15	(41/2 ⁻)	A	7077.6 [#] 18	(57/2 ⁻)	A
3372.8 [#] 14	(37/2 ⁻)	AB	(4414.2 ^c 14)	(43/2 ⁻)	AB	7107.6 [@] 18	(57/2 ⁺)	A
3519.9 [@] 14	(37/2 ⁺)	AB	4635.6 [@] 16	(43/2 ⁺)	A	7923.4 [@] 19	(61/2 ⁺)	A
(3523.4 ^c 13)	(37/2 ⁻)	AB	4672.2 ^b 14	(41/2)	A	7989 [#] 4	(61/2 ⁻)	A
3631.3 14	(37/2 ⁻)	A	4676.9 [#] 15	(45/2 ⁻)	AB	8784 [@] 4	(65/2 ⁺)	A
3658.2 ^b 13	(35/2)	A	(4757.5 ^c 14)	(45/2 ⁻)	AB	8949 [#] 4	(65/2 ⁻)	A
(3796.5 ^c 13)	(39/2 ⁻)	AB	4822.1 [@] 16	(45/2 ⁺)	AB	9695 [@] 4	(69/2 ⁺)	A
3966.9 [@] 15	(39/2 ⁺)	A	(5136.5 ^c 15)	(47/2 ⁻)	A	10659 [@] 4	(73/2 ⁺)	A
3978.3 ^b 14	(37/2)	A	5354.1 [@] 17	(47/2 ⁺)	A	11673 [@] 4	(77/2 ⁺)	A
4000.9 [#] 15	(41/2 ⁻)	AB	5416.8 [#] 16	(49/2 ⁻)	AB	12733? [@] 4	(81/2 ⁺)	A
(4093.4 ^c 13)	(41/2 ⁻)	AB	5550.2 [@] 16	(49/2 ⁺)	AB			
4144.5 [@] 15	(41/2 ⁺)	AB	6217.6 [#] 17	(53/2 ⁻)	AB			

[†] Deduced by evaluator from a least-squares fit to adopted γ -ray energies assuming $\Delta E=1.0$ keV for all transitions.

[‡] Assignments are from $^{161}\text{Dy}(^{19}\text{F},5n\gamma)$, based on γ -ray angular correlations and rotational structure. Additional support for assignments of spin, parity, rotational bands, and Nilsson quantum numbers comes from comparisons of gyromagnetic ratios (g_K) predicted by the Nilsson model, with experimental values deduced from B(M1)/B(E2) cascade-to-crossover branching ratios (1992Ki06).

Band(A): 1/2(541) band.

@ Band(B): 1/2(660) band.

& Band(C): 7/2(404) band.

^a Band(D): 5/2(402) band.

^b Band(E): K=[15/2] 3-quasiparticle band: Energy is tentative.

^c Band(F): 9/2(514) band.

 $\gamma(^{175}\text{Re})$

E _i (level)	J _i ^π	E _γ [†]	I _γ [†]	E _f	J _f ^π	Comments
75.7	(9/2 ⁻)	75.7	100	0.0	(5/2 ⁻)	
(76.4)	(9/2 ⁻)	(76.4)		0.0	(5/2 ⁻)	E _γ : Not observed, from level energy difference.
125.3	(5/2 ⁺)	(125.3)		0.0	(5/2 ⁻)	E _γ : Not observed, from level energy difference.
(236.9)	(11/2 ⁻)	160.3	100	76.4?	(9/2 ⁻)	
239.8	(7/2 ⁺)	114.3	100	125.3	(5/2 ⁺)	
272.2	(13/2 ⁻)	196.5	100	75.7	(9/2 ⁻)	
361.9	(7/2 ⁺)	236.5	100	125.3	(5/2 ⁺)	
377.6	(9/2 ⁺)	137.7	100 5	239.8	(7/2 ⁺)	
		252.4	17.9 17	125.3	(5/2 ⁺)	
(427.9)	(13/2 ⁻)	191.0	100 4	236.9?	(11/2 ⁻)	
		351.5	14.6 11	76.4?	(9/2 ⁻)	
489.4	(9/2 ⁺)	127.5	48 13	361.9	(7/2 ⁺)	
		249.6	100 13	239.8	(7/2 ⁺)	
536.3	(11/2 ⁺)	158.4	100 6	377.6	(9/2 ⁺)	
		296.6	38.5 22	239.8	(7/2 ⁺)	
587.4	(17/2 ⁻)	315.1	100	272.2	(13/2 ⁻)	
(638.0)	(15/2 ⁻)	210.1	100 5	427.9?	(13/2 ⁻)	
		401.4	33.0 17	236.9?	(11/2 ⁻)	
638.5	(11/2 ⁺)	149.1	67 14	489.4	(9/2 ⁺)	
		260.9	100 15	377.6	(9/2 ⁺)	

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Adopted Levels, Gammas (continued) $\gamma(^{175}\text{Re})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π
638.5	(11/2 ⁺)	276.9	70 15	361.9	(7/2 ⁺)
709.6	(13/2 ⁺)	173.3	100 7	536.3	(11/2 ⁺)
		332.1	74 5	377.6	(9/2 ⁺)
807.4	(13/2 ⁺)	168.9	40 6	638.5	(11/2 ⁺)
		270.6	31 6	536.3	(11/2 ⁺)
		318.1	100 8	489.4	(9/2 ⁺)
(868.9)	(17/2 ⁻)	230.8	100 4	638.0?	(15/2 ⁻)
		441.2	49 3	427.9?	(13/2 ⁻)
899.1	(15/2 ⁺)	189.3	100 7	709.6	(13/2 ⁺)
		363.0	90 5	536.3	(11/2 ⁺)
994.9	(15/2 ⁺)	187.3	39 11	807.4	(13/2 ⁺)
		285.5	39 11	709.6	(13/2 ⁺)
		356.2	100 11	638.5	(11/2 ⁺)
1008.5	(21/2 ⁻)	420.9	100	587.4	(17/2 ⁻)
1100.1	(17/2 ⁺)	200.9	74 3	899.1	(15/2 ⁺)
		390.5	100 3	709.6	(13/2 ⁺)
(1109.3)	(19/2 ⁻)	240.3	100 5	868.9?	(17/2 ⁻)
		471.5	71 3	638.0?	(15/2 ⁻)
1198.1	(17/2 ⁺)	203.2	29 5	994.9	(15/2 ⁺)
		390.6	100 14	807.4	(13/2 ⁺)
1316.5	(19/2 ⁺)	216.4	54 4	1100.1	(17/2 ⁺)
		417.4	100 5	899.1	(15/2 ⁺)
1324.5	(17/2 ⁺)	244.1 [‡]		1080.3	(13/2 ⁺)
		737.1	100	587.4	(17/2 ⁻)
(1365.1)	(21/2 ⁻)	255.6	100 5	1109.3?	(19/2 ⁻)
		496.3	90 5	868.9?	(17/2 ⁻)
1403.9	(15/2)	694.2	100	709.6	(13/2 ⁺)
1418.2	(19/2 ⁺)	220.0	17 5	1198.1	(17/2 ⁺)
		423.2	100 7	994.9	(15/2 ⁺)
1520.1	(25/2 ⁻)	511.6	100	1008.5	(21/2 ⁻)
1543.4	(21/2 ⁺)	226.8	48 3	1316.5	(19/2 ⁺)
		443.4	100 5	1100.1	(17/2 ⁺)
1601.3	(21/2 ⁻)	1013.9	100	587.4	(17/2 ⁻)
1614.5	(17/2)	210.6	100 27	1403.9	(15/2)
		715.6	67 20	899.1	(15/2 ⁺)
1616.8	(21/2 ⁺)	292.3	100 7	1324.5	(17/2 ⁺)
		418.8	61 4	1198.1	(17/2 ⁺)
		608.4	18 13	1008.5	(21/2 ⁻)
(1625.1)	(23/2 ⁻)	260.0	83 5	1365.1?	(21/2 ⁻)
		516.0	100 7	1109.3?	(19/2 ⁻)
1655.6	(21/2 ⁺)	237.3	20 9	1418.2	(19/2 ⁺)
		457.5	100 9	1198.1	(17/2 ⁺)
1787.4	(23/2 ⁺)	243.8	36 3	1543.4	(21/2 ⁺)
		470.8	100 3	1316.5	(19/2 ⁺)
1793.8	(19/2)	179.5	100 25	1614.5	(17/2)
		428.7	100 15	1365.1?	(21/2 ⁻)
		684.4	30 15	1109.3?	(19/2 ⁻)
		693.7	100 20	1100.1	(17/2 ⁺)
1898.4	(23/2 ⁺)	242.7	11 4	1655.6	(21/2 ⁺)
		480.1	100 9	1418.2	(19/2 ⁺)
(1898.5)	(25/2 ⁻)	273.6	85 13	1625.1?	(23/2 ⁻)
		533.4	100 13	1365.1?	(21/2 ⁻)
1909.6	(23/2 ⁺)	491.4	100	1418.2	(19/2 ⁺)
1943.5	(21/2)	149.5	100	1793.8	(19/2)
1991.7	(25/2 ⁺)	204.1	6.8 19	1787.4	(23/2 ⁺)

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Adopted Levels, Gammas (continued) $\gamma(^{175}\text{Re})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π
1991.7	(25/2 ⁺)	374.9	100 6	1616.8	(21/2 ⁺)
		448.5	41 6	1543.4	(21/2 ⁺)
		472.6 [‡]		1520.1	(25/2 ⁻)
2043.1	(25/2 ⁺)	255.8	27.4 18	1787.4	(23/2 ⁺)
		499.7	100 5	1543.4	(21/2 ⁺)
2105.3	(29/2 ⁻)	585.5	100	1520.1	(25/2 ⁻)
2120.5	(23/2)	177.0	100 9	1943.5	(21/2)
		326.9	16 5	1793.8	(19/2)
2168.9	(25/2 ⁺)	513.3	100	1655.6	(21/2 ⁺)
(2176.8)	(27/2 ⁻)	278.2	57 3	1898.5?	(25/2 ⁻)
		551.8	100 6	1625.1?	(23/2 ⁻)
2305.8	(27/2 ⁺)	262.9	31 5	2043.1	(25/2 ⁺)
		518.2	100 5	1787.4	(23/2 ⁺)
2323.0	(25/2)	202.4	100 29	2120.5	(23/2)
		379.4	87 6	1943.5	(21/2)
2326.1	(27/2 ⁺)	538.7	100	1787.4	(23/2 ⁺)
2432.9	(27/2 ⁺)	534.5	100	1898.4	(23/2 ⁺)
2440.0	(29/2 ⁺)	448.2	100	1991.7	(25/2 ⁺)
2450.4	(27/2 ⁺)	552.0	100	1898.4	(23/2 ⁺)
(2467.8)	(29/2 ⁻)	291.0	40 6	2176.8?	(27/2 ⁻)
		569.3	100 7	1898.5?	(25/2 ⁻)
2549.3	(27/2)	226.2	50 10	2323.0	(25/2)
		428.8	100 14	2120.5	(23/2)
2576.9	(29/2 ⁺)	533.8	100	2043.1	(25/2 ⁺)
2580.0	(29/2 ⁻)	1059.7	100	1520.1	(25/2 ⁻)
2738.0	(29/2 ⁺)	569.1	100	2168.9	(25/2 ⁺)
2739.5	(33/2 ⁻)	634.3	100	2105.3	(29/2 ⁻)
(2762.1)	(31/2 ⁻)	294.2	57 4	2467.8?	(29/2 ⁻)
		585.3	100 6	2176.8?	(27/2 ⁻)
2797.4	(29/2)	248.2	42 18	2549.3	(27/2)
		474.5	100 10	2323.0	(25/2)
2799.9	(31/2 ⁺)	473.8	100 9	2326.1	(27/2 ⁺)
		494.0	85 9	2305.8	(27/2 ⁺)
2950.7	(33/2 ⁺)	510.7	100	2440.0	(29/2 ⁺)
3037.4	(33/2 ⁻)	457.2	57 6	2580.0	(29/2 ⁻)
		932.3	100 11	2105.3	(29/2 ⁻)
(3042.6)	(33/2 ⁻)	280.4	77 10	2762.1?	(31/2 ⁻)
		574.8	100 13	2467.8?	(29/2 ⁻)
3042.9	(33/2 ⁻)	937.6	100	2105.3	(29/2 ⁻)
3066.2	(31/2)	268.7	53 9	2797.4	(29/2)
		516.9	100 13	2549.3	(27/2)
3122.6	(33/2 ⁻)	654.8	100	2467.8?	(29/2 ⁻)
3142.2	(33/2 ⁺)	562.2	100	2580.0	(29/2 ⁻)
3172.2	(33/2 ⁻)	704.4	100	2467.8?	(29/2 ⁻)
3212.3	(33/2 ⁺)	614.4	100		
(3276.1)	(35/2 ⁻)	233.6	72 12	3042.6?	(33/2 ⁻)
		514.0	100 20	2762.1?	(31/2 ⁻)
3351.5	(35/2 ⁺)	551.6	100	2799.9	(31/2 ⁺)
3353.6	(33/2)	287.3	33 11	3066.2	(31/2)
		556.2	100 14	2797.4	(29/2)
3372.8	(37/2 ⁻)	633.1	100	2739.5	(33/2 ⁻)
3519.9	(37/2 ⁺)	569.2	100	2950.7	(33/2 ⁺)
(3523.4)	(37/2 ⁻)	247.2	100 9	3276.1?	(35/2 ⁻)
		480.8	33 6	3042.6?	(33/2 ⁻)
3631.3	(37/2 ⁻)	891.8	100	2739.5	(33/2 ⁻)

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Adopted Levels, Gammas (continued) $\gamma(^{175}\text{Re})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\dagger$	E_f	J_f^π
3658.2	(35/2)	304.7	48 <i>13</i>	3353.6	(33/2)
		592.0	100 <i>17</i>	3066.2	(31/2)
(3796.5)	(39/2 ⁻)	272.9	100 <i>33</i>	3523.4?	(37/2 ⁻)
		520.5	53 <i>13</i>	3276.1?	(35/2 ⁻)
3966.9	(39/2 ⁺)	615.4	100	3351.5	(35/2 ⁺)
3978.3	(37/2)	320.2	71 <i>18</i>	3658.2	(35/2)
		624.8	100 <i>35</i>	3353.6	(33/2)
4000.9	(41/2 ⁻)	628.1	100	3372.8	(37/2 ⁻)
(4093.4)	(41/2 ⁻)	296.9	100 <i>12</i>	3796.5?	(39/2 ⁻)
		570.2	64 <i>20</i>	3523.4?	(37/2 ⁻)
4144.5	(41/2 ⁺)	624.5	100	3519.9	(37/2 ⁺)
4310.2	(39/2)	332.0	69 <i>19</i>	3978.3	(37/2)
		651.9	100 <i>19</i>	3658.2	(35/2)
4336.5	(41/2 ⁻)	705.2	100	3631.3	(37/2 ⁻)
(4414.2)	(43/2 ⁻)	321.0	100 <i>15</i>	4093.4?	(41/2 ⁻)
		617.4	54 <i>23</i>	3796.5?	(39/2 ⁻)
4635.6	(43/2 ⁺)	668.7	100	3966.9	(39/2 ⁺)
4672.2	(41/2)	693.9	100	3978.3	(37/2)
4676.9	(45/2 ⁻)	676.0	100	4000.9	(41/2 ⁻)
(4757.5)	(45/2 ⁻)	664.1	100	4093.4?	(41/2 ⁻)
4822.1	(45/2 ⁺)	677.8	100	4144.5	(41/2 ⁺)
(5136.5)	(47/2 ⁻)	722.3	100	4414.2?	(43/2 ⁻)
5354.1	(47/2 ⁺)	718.5	100	4635.6	(43/2 ⁺)
5416.8	(49/2 ⁻)	739.7	100	4676.9	(45/2 ⁻)
5550.2	(49/2 ⁺)	728.0	100	4822.1	(45/2 ⁺)
6217.6	(53/2 ⁻)	801.0	100	5416.8	(49/2 ⁻)
6318.5	(53/2 ⁺)	768.4	100	5550.2	(49/2 ⁺)
7077.6?	(57/2 ⁻)	859.7 [#]	100	6217.6	(53/2 ⁻)
7107.6	(57/2 ⁺)	789.0	100	6318.5	(53/2 ⁺)
7923.4	(61/2 ⁺)	815.9	100	7107.6	(57/2 ⁺)
7989	(61/2 ⁻)	912.8	100	7077.6?	(57/2 ⁻)
8784	(65/2 ⁺)	860.1	100	7923.4	(61/2 ⁺)
8949	(65/2 ⁻)	960	100	7989	(61/2 ⁻)
9695	(69/2 ⁺)	911.1	100	8784	(65/2 ⁺)
10659	(73/2 ⁺)	963.8	100	9695	(69/2 ⁺)
11673	(77/2 ⁺)	1014.6	100	10659	(73/2 ⁺)
12733?	(81/2 ⁺)	1060 [#]	100	11673	(77/2 ⁺)

[†] From $^{161}\text{Dy}(^{19}\text{F}, 5n\gamma)$, except as noted.

[‡] I_γ not measured.

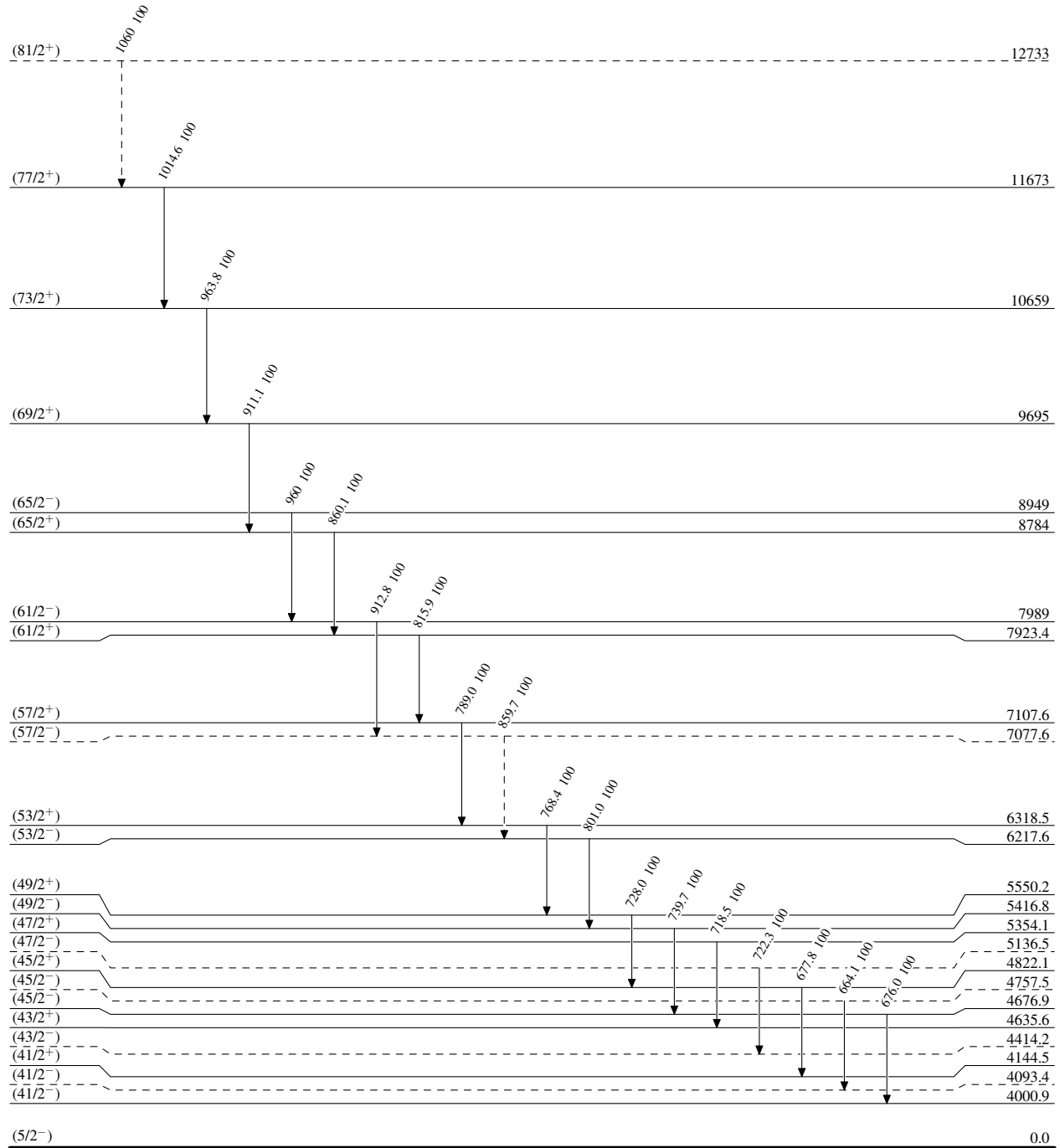
[#] Placement of transition in the level scheme is uncertain.

Adopted Levels, Gammas

Legend

Level Scheme

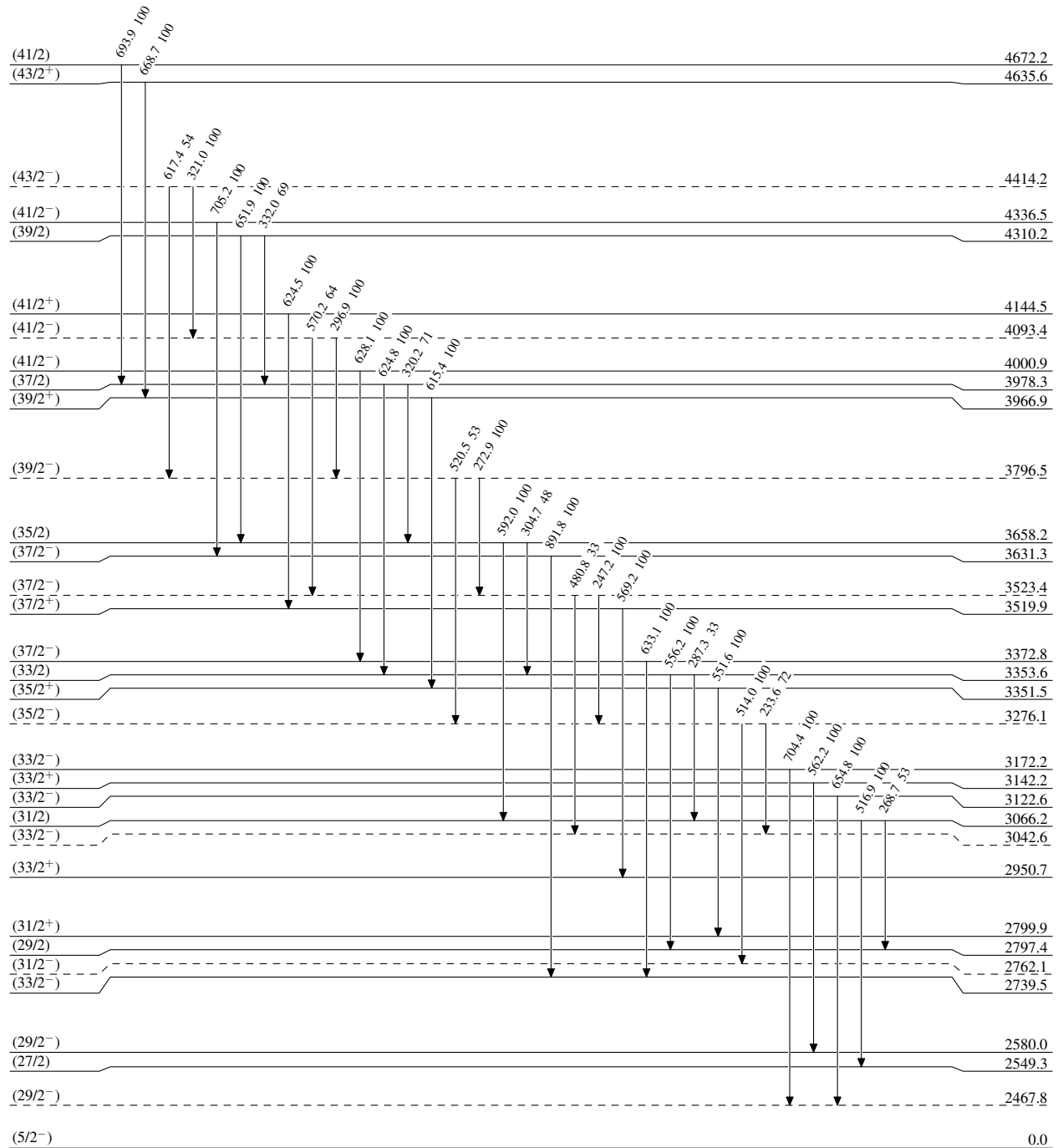
Intensities: Relative photon branching from each level

-----► γ Decay (Uncertain)

5.89 min 5

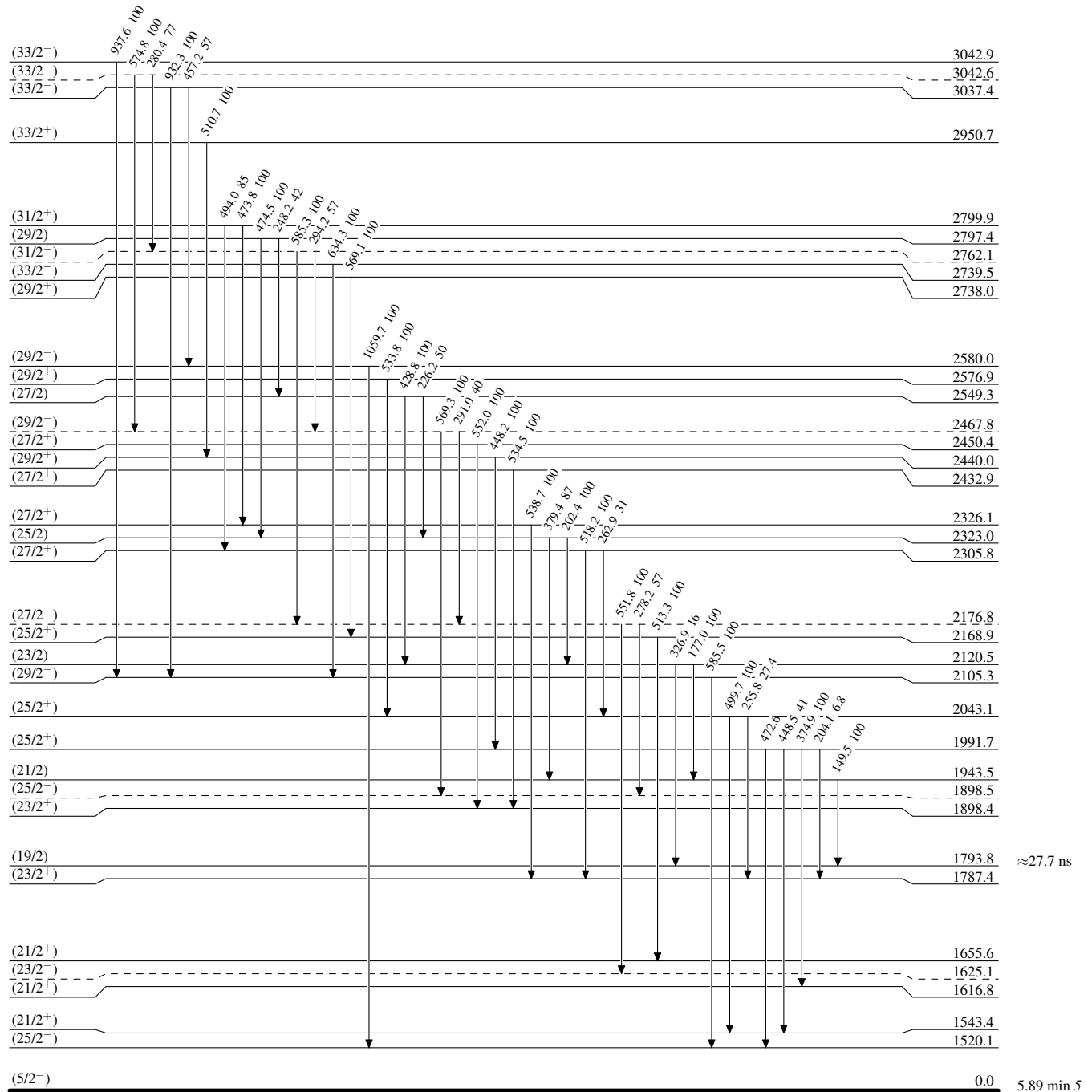
Adopted Levels, GammasLevel Scheme (continued)

Intensities: Relative photon branching from each level



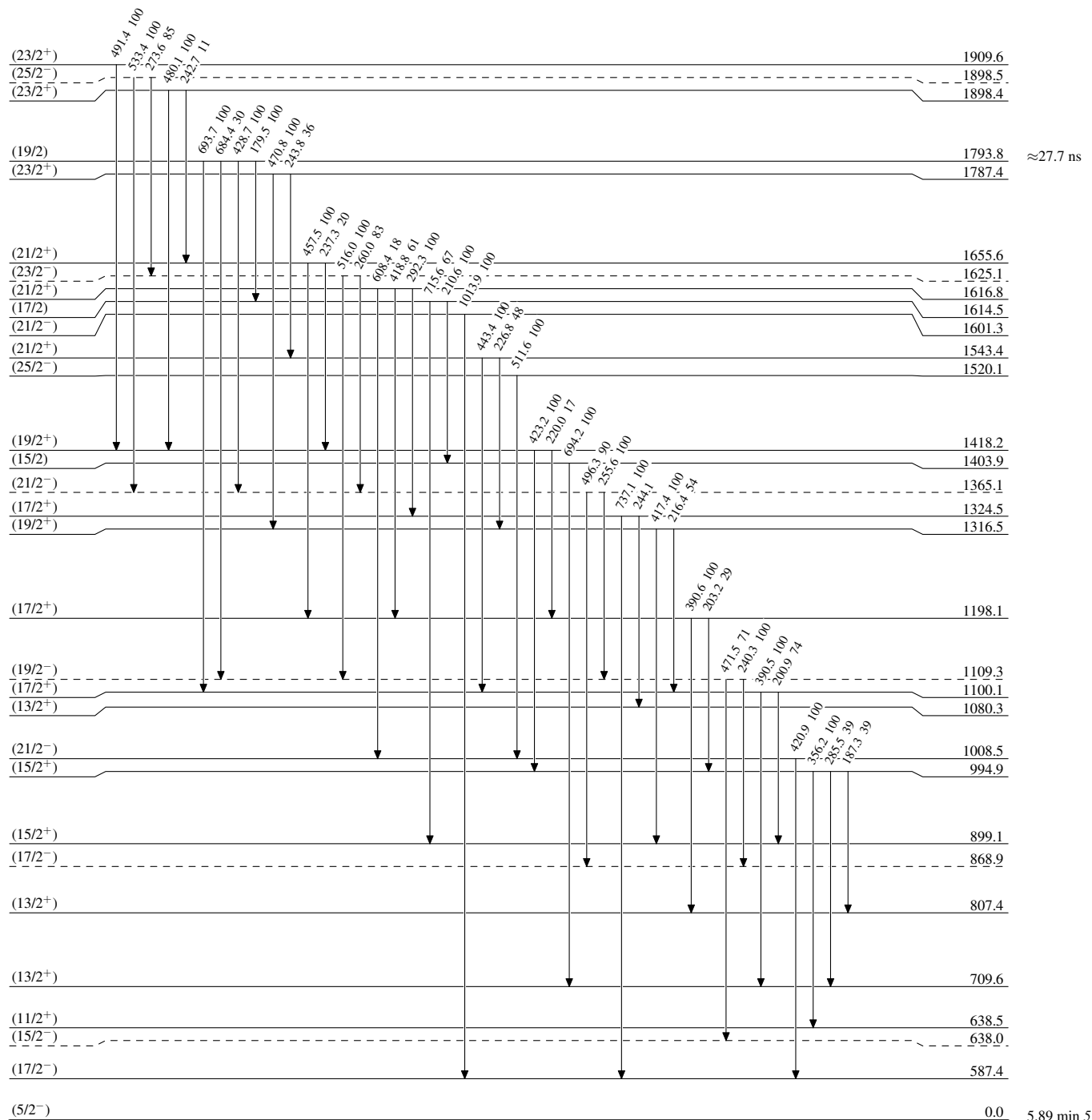
Adopted Levels, Gammas**Level Scheme (continued)**

Intensities: Relative photon branching from each level



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

Intensities: Relative photon branching from each level

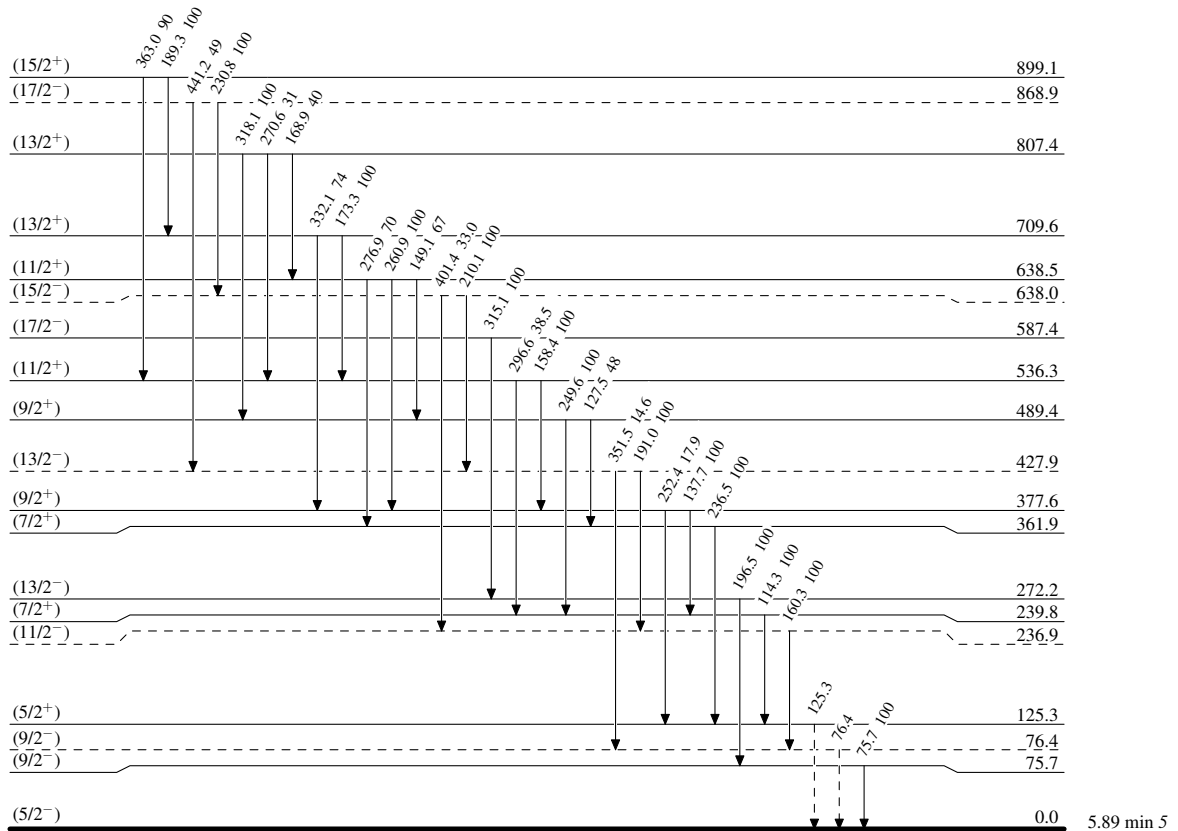


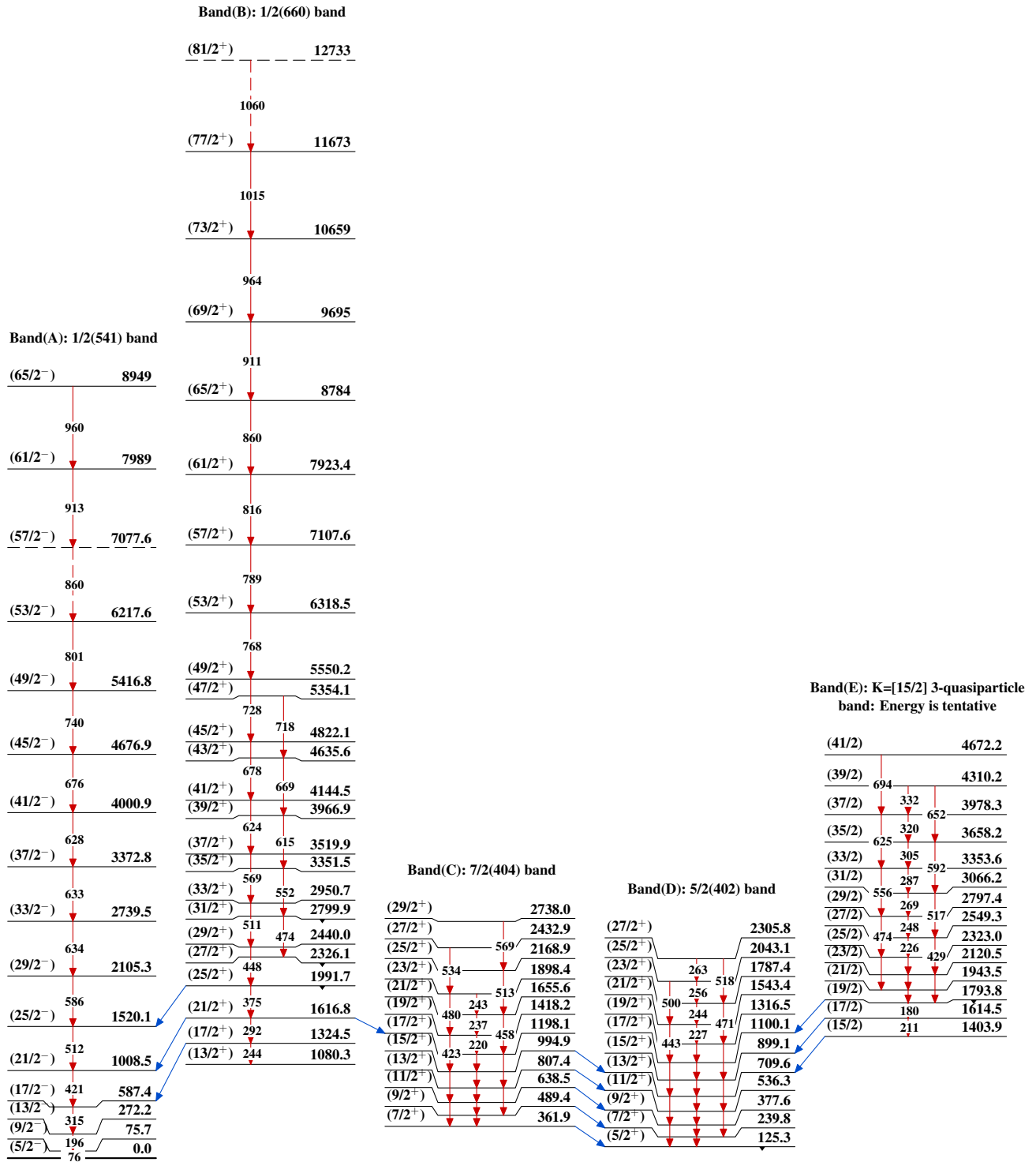
Adopted Levels, Gammas

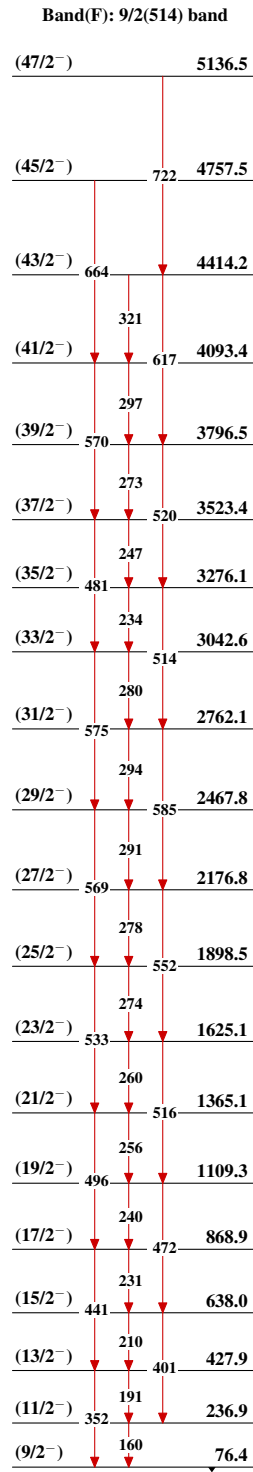
Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level

-----► γ Decay (Uncertain) $^{175}_{75}\text{Re}_{100}$

Adopted Levels, Gammas

Adopted Levels, Gammas (continued) $^{175}_{75}\text{Re}_{100}$