Adopted Levels, Gammas

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev	NDS 187,355 (2023)	20-Sep-2022

Q(β^-)=−5732 *10*; S(n)=7651 *9*; S(p)=3440 *23*; Q(α)=5799.3 *17* 2021Wa16

^{201}Po Levels

Cross Reference (XREF) Flags

- A ^{201}Po IT decay (8.96 min)
- B ^{201}At ε decay
- C ^{205}Rn α decay
- D ^{194}Pt(^{12}C,5nγ)

E(level)†	J$^\pi$	T$_{1/2}$	XREF	Comments
0@	3/2$^-$	15.50 min *22*	ABCD	%α=1.13 *3*; %ε+%β^+=98.87 *3* μ=−0.98 *7* (2014Se07,2019StZV) Q=+0.10 *10* (2014Se07,2021StZZ) $\delta\langle r^2\rangle(^{201}Po,^{210}Po)$=−0.510 fm^2 *13* (2013Se03). $\langle\beta_2^2\rangle^{1/2}$=0.10 (2013Se03,2014Se07). %α is unweighted average of %α=1.15% *1* (1967Le21) and 1.10% *4* (1993Wa04). Other: 1.6% *3* (1971Ho01). %ε+%β^+ has not been directly measured. J$^\pi$: atomic beam (1962Ax02) and μ. T$_{1/2}$: Weighted average of 15.3 min *8* (1963Ho18), 15.8 min *3* (1967Le08), 15.1 min *3* (1967Ti04), 16.0 min *15* (1968Go12), 15 min *3* (1970Jo26), 15.2 min *3* (1970Ra14), 15.5 min *6* (1970DaZM), 15.1 min *4* (1971Ho01), 17.5 min *5* (1964Br23) and 14.5 min *10* (1976Ko13). Eα=5683.3 keV *16*, recommended by 1991Ry01. Values from individual measurements are 5674 keV *9* (1963Ho18), 5670 keV *10* (1967Le08), 5677 keV *5* (1967Tr06), 5684 keV *6* (1967Ti04), 5684 keV *2* (1968Go12), 5689 keV *10* (1970Jo26), 5680 keV *10* (1970DaZM) and 5685 keV *4* (1970Ra14). μ,Q: hyperfine structure studies using in-source resonance ionization spectroscopy at CERN-ISOLDE facility (2014Se07). Total (statistical uncertainties=0.010 for μ and 0.08 for Q, and systematic) uncertainties are given. Others: μ=0.94 *8* (1991Wo04, using the static nuclear orientation technique), 0.74 *11* (1988Wo12).
5.61‡ *13*	5/2$^-$		ABCD	J$^\pi$: Favored α-decay from the ^{205}Rn g.s. (J$^\pi$=5/2$^-$).
142# *3*	(1/2$^-$)		C	E(level): From ^{205}Rn α decay. J$^\pi$: Unfavored α-decay from ^{205}Rn g.s. (J$^\pi$=5/2$^-$). Systematics of structures in neighboring nuclei.
423.41& *22*	13/2$^+$	8.96 min *12*	AB D	%IT≈42.6; %α=2.4 *5*; %ε+%β^+≈55 μ=−1.00 *7* (2014Se07,2019StZV) Q=+1.3 *4* (2014Se07,2021StZZ) $\delta\nu(^{201}Po,^{196}Po)$=−2.20 GHz *15*; $\delta\langle r^2\rangle(^{201}Po,^{210}Po)$=−0.452 fm^2 *13* (2013Se03). $\langle\beta_2^2\rangle^{1/2}$=0.12 (2013Se03,2014Se07). %IT, %α, and %ε+%β^+ from %IT + %α + %(ε+β^+)=%100 and %IT/(%ε+%β^+) ≈ 0.76, deduced by the evaluator from the decay scheme and γ-ray intensities of 1986Br28. %α is unweighted average of 2.9% *2* (1967Le21) and 1.9% *4* (1970Jo26). Others: %IT=28 *+12 −7* (1971Jo19). E(level): Other: 423.8 keV *24* in 2021Ko07 from E$_\alpha$. J$^\pi$: 417.8γ M4 to 5/2$^-$; favored α decay to the 319.31 keV level (J$^\pi$=13/2$^+$) in ^{197}Pb. T$_{1/2}$: Weighted average of 8.7 min *6* (1963Ho18), 9.0 min *2* (1967Le08), 8.9 min

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

^{201}Po Levels (continued)

E(level)[†]	Jπ	XREF	Comments
			4 (1967Ti04), 10.0 min *15* (1968Go12), 9 min *3* (1970Jo26), 8.8 min *4* (1970Ra14), 8.9 min *8* (1970DaZM), 9.0 min *3* (1976Ko13) and 9.0 min *3* (1986Br28). Eα=5786.0 keV *16* recommended by 1991Ry01. Values from individual measurements are 5780 keV *7* (1963Ho18), 5770 keV *10* (1967Le08), 5780 keV *5* (1967Tr06), 5788 keV *7* (1967Ti04), 5787 keV *2* (1968Go12), 5778 keV *10* (1970Jo26), 5780 keV *10* (1970DaZM) and 5786 keV *4* (1970Ra14). μ,Q: hyperfine structure studies using in-source resonance ionization spectroscopy at CERN-ISOLDE facility (2014Se07). Total (statistical uncertainties=0.055 for μ and 0.20 for Q, and systematic) uncertainties are given. Others: μ=1.00 *8* (1991Wo04, using the static nuclear orientation technique), 0.99 *11* (1988Wo12).
621.66 *16*	$(7/2)^-$	B	Jπ: 616.1γ M1+E2 to $5/2^-$, 621.6γ (E2) to $3/2^-$; direct feeding in ^{201}At ε decay ($J^\pi=(9/2^-)$).
623.3? *3*	$(5/2^-)$	B	Jπ: 617.7γ to $5/2^-$, 623.3γ to $3/2^-$; no direct feeding in ^{201}At ε decay ($J^\pi=(9/2^-)$).
722.44 *18*	$7/2^-$	B	Jπ: 722.5γ E2 to $3/2^-$; direct feeding in ^{201}At ε decay ($J^\pi=(9/2^-)$).
758.30? *20*	$(7/2)^-$	B	Jπ: 758.3γ E2 to $3/2^-$; direct feeding in ^{201}At ε decay ($J^\pi=(9/2^-)$).
766.31? *24*	$(9/2)^-$	B	Jπ: 760.7γ E2 to $5/2^-$; direct feeding in ^{201}At ε decay ($J^\pi=(9/2^-)$).
1006.7? *3*	$(11/2)^+$	B	Jπ: 583.3γ M1+E2 to $13/2^+$; direct feeding in ^{201}At ε decay ($J^\pi=(9/2^-)$).
1015.2 *3*	$(11/2)^+$	B	Jπ: 591.8γ M1+E2 to $13/2^+$; direct feeding in ^{201}At ε decay ($J^\pi=(9/2^-)$).
1037.0[a] *11*	$17/2^+$	D	Jπ: 613.6γ (E2) to $13/2^+$.
1059.5 *3*	$(7/2)^-$	B	Jπ: 436.2γ M1+E2 to $(5/2^-)$.
1124.8? *5*	(7/2,9/2,11/2)	B	Jπ: 358.5γ to $(9/2)^-$; direct feeding in ^{201}At ε decay ($J^\pi=(9/2^-)$).
1242.9? *5*	(7/2,9/2,11/2)	B	Jπ: 476.6γ to $(9/2)^-$; direct feeding in ^{201}At ε decay ($J^\pi=(9/2^-)$).
1552.2 *3*	$(9/2)^+$	B	Jπ: 492.7γ E1 to $(7/2)^-$, 537γ M1+E2 to $(11/2)^+$; direct feeding in ^{201}At ε decay ($J^\pi=(9/2^-)$).
1574.3 *4*	$(9/2,11/2)^+$	B	Jπ: 559.1γ M1+E2 to $(11/2)^+$; direct feeding in ^{201}At ε decay ($J^\pi=(9/2^-)$).
1593.6[b] *15*	$21/2^+$	D	Jπ: 556.6γ E2 to $17/2^+$.
1912.3[c] *18*	$25/2^+$	D	Jπ: 318.7γ E2 to $21/2^+$.
2044.0 *4*	$(9/2)^+$	B	Jπ: 491.8γ E2 to $(9/2)^+$; direct feeding in ^{201}At ε decay ($J^\pi=(9/2^-)$).
2101.6 *21*		D	
2133.8 *21*	$25/2^+$,$(29/2^+)$	D	Jπ: 221.5γ D,Q to $25/2^+$.
2202.9 *4*	$(9/2,11/2)^+$	B	Jπ: 628.6γ E2 to $(9/2,11/2)^+$; direct feeding in ^{201}At ε decay ($J^\pi=(9/2^-)$).
2239.6 *23*		D	
2332.2 *21*	(27/2)	D	Jπ: 419.9γ D to $25/2^+$.
2347.6 *18*		D	
2354.7 *21*	$(27/2^+)$	D	Jπ: 442.4γ (M1) to $25/2^+$.
2463.9 *21*		D	
2570.2 *21*	$(27/2^+)$	D	Jπ: 657.9γ (M1) to $25/2^+$.
2627.5 *23*	$(29/2^+)$	D	Jπ: 272.8γ (M1) to $(27/2^+)$.
2770.1 *21*		D	
2979.0 *23*	$27/2^+$,$31/2^+$	D	Jπ: 408.8γ M1,E2 to $(27/2^+)$.
3039.6 *23*		D	
3196.5 *23*	(29/2)	D	Jπ: 626.3γ D to $(27/2^+)$.
3210.3 *23*	$(31/2^+)$	D	Jπ: 640.1γ E2 to $(27/2^+)$.
3333.1 *25*		D	
3710.1 *25*	$(35/2^+)$	D	Jπ: 499.8γ to $(31/2^+)$.
4153? *3*		D	

[†] From a least-squares fit to Eγ. ΔEγ=0.5 keV is assumed for Eγ's without uncertainties.
[‡] Configuration=ν $f^{-1}_{5/2}$.
[#] Configuration=ν $p^{-1}_{1/2}$. The assignment is tentative.
[@] Configuration=ν $p^{-1}_{3/2}$.
[&] Configuration=ν $i^{-1}_{13/2}$.

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

^{201}Po Levels (continued)

[a] Configuration=ν $(i^{-1}_{13/2})\otimes 2^+$.

[b] Configuration=ν $(i^{-1}_{13/2})\otimes 4^+$.

[c] Possibly a mixture between configuration=ν $(i^{-1}_{13/2})\otimes 6^+$ and configuration=ν $(i^{-1}_{13/2})$ π $(h^{+2}_{9/2})_{8+}$.

Adopted Levels, Gammas (continued)

$\gamma(^{201}Po)$

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[#]	δ	α[@]	Comments
5.61	$5/2^-$	(5.61 *13*)	100	0	$3/2^-$				E_γ: From level energy difference.
423.41	$13/2^+$	417.8 *2*	100	5.61	$5/2^-$	M4		4.84 *7*	B(M4)(W.u.)≈1.8 α(K)=2.74 *4*; α(L)=1.542 *22*; α(M)=0.424 *6* α(N)=0.1116 *16*; α(O)=0.02250 *32*; α(P)=0.00253 *4* E_γ: Weighted average of 418.5 keV *6* (1976Ko13), 417.6 keV *3* (1971Jo19) an 417.8 keV *6* (1986Br28). Mult.: α(K)exp=2.49 *32*, K/L=1.8 *2*, L/M=2.5 *3* (1986Br28); K/L=2.0 *3* (1976Ko13), 1.6 *2* (1971Jo19).
621.66	$(7/2)^-$	616.1 *2*	100 *9*	5.61	$5/2^-$	M1+E2	1.72 *20*	0.0334 *27*	α(K)=0.0260 *23*; α(L)=0.00561 *32*; α(M)=0.00136 *7* α(N)=0.000349 *19*; α(O)=7.1×10^{-5} *4*; α(P)=8.7×10^{-6} *6* Mult.,δ: α(K)exp=0.026 *4* in ^{201}At ε decay (2010De04).
		621.6 *2*	57 *5*	0	$3/2^-$	(E2)		0.01950 *27*	α(K)=0.01430 *20*; α(L)=0.00393 *6*; α(M)=0.000972 *14* α(N)=0.0002497 *35*; α(O)=5.03×10^{-5} *7*; α(P)=5.74×10^{-6} *8* Mult.: α(K)exp=0.019 *3* in ^{201}At ε decay (2010De04).
623.3?	$(5/2^-)$	(617.9 *3*)		5.61	$5/2^-$				α(K)=0.037 *23*; α(L)=0.0071 *31*; α(M)=0.0017 *7* α(N)=4.4×10^{-4} *18*; α(O)=9.E−5 *4*; α(P)=1.1×10^{-5} *5*
		(623.3 *3*)		0	$3/2^-$				E_γ: From level energy difference. α(K)=0.036 *22*; α(L)=0.0069 *30*; α(M)=0.0017 *7* α(N)=4.3×10^{-4} *18*; α(O)=9.E−5 *4*; α(P)=1.1×10^{-5} *5*
722.44	$7/2^-$	716.6 *4*	20.9 *18*	5.61	$5/2^-$	[M1,E2]		0.032 *18*	E_γ: From level energy difference. α(K)=0.026 *15*; α(L)=0.0048 *21*; α(M)=0.0011 *5* α(N)=2.9×10^{-4} *12*; α(O)=6.1×10^{-5} *27*; α(P)=8.E−6 *4*
		722.5 *2*	100 *9*	0	$3/2^-$	E2		0.01413 *20*	α(K)=0.01068 *15*; α(L)=0.00261 *4*; α(M)=0.000639 *9* α(N)=0.0001642 *23*; α(O)=3.33×10^{-5} *5*; α(P)=3.90×10^{-6} *5* Mult.: α(K)exp=0.008 *1* in ^{201}At ε decay (2010De04).
758.30?	$(7/2)^-$	758.3 *2*	100	0	$3/2^-$	E2		0.01278 *18*	α(K)=0.00973 *14*; α(L)=0.002303 *32*; α(M)=0.000562 *8* α(N)=0.0001444 *20*; α(O)=2.94×10^{-5} *4*; α(P)=3.46×10^{-6} *5* Mult.: α(K)exp=0.007 *1* in ^{201}At ε decay (2010De04).
766.31?	$(9/2)^-$	760.7 *2*	100	5.61	$5/2^-$	E2		0.01269 *18*	α(K)=0.00968 *14*; α(L)=0.002285 *32*; α(M)=0.000558 *8* α(N)=0.0001432 *20*; α(O)=2.91×10^{-5} *4*; α(P)=3.43×10^{-6} *5* Mult.: α(K)exp=0.009 *1* in ^{201}At ε decay (2010De04).
1006.7?	$(11/2)^+$	583.3 *2*	100	423.41	$13/2^+$	M1+E2	2.61 *17*	0.0304 *11*	α(K)=0.0230 *9*; α(L)=0.00563 *14*; α(M)=0.001379 *32* α(N)=0.000354 *8*; α(O)=7.20×10^{-5} *17*; α(P)=8.44×10^{-6} *23* Mult.,δ: α(K)exp=0.023 *3* in ^{201}At ε decay (2010De04).
1015.2	$(11/2)^+$	591.8 *2*	100	423.41	$13/2^+$	M1+E2	2.67 *18*	0.0291 *10*	α(K)=0.0220 *9*; α(L)=0.00537 *13*; α(M)=0.001315 *31* α(N)=0.000338 *8*; α(O)=6.87×10^{-5} *17*; α(P)=8.06×10^{-6} *22* Mult.,δ: α(K)exp=0.022 *3* in ^{201}At ε decay (2010De04).
1037.0	$17/2^+$	613.6[‡]	100[‡]	423.41	$13/2^+$	(E2)		0.02007 *28*	α(K)=0.01467 *21*; α(L)=0.00408 *6*; α(M)=0.001009 *14*

$^{201}_{84}Po_{117}$-4

Adopted Levels, Gammas (continued)

γ(^{201}Po) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[#]	δ	α[@]	Comments
									α(N)=0.000259 *4*; α(O)=5.22×10^{-5} *7*; α(P)=5.95×10^{-6} *8* Mult.: A_2=0.5 *2*, A_4=0.1 *3*, but values are distorted since the 613.6γ is situated on the slope of both the neutron bump and the stronger 611.2γ in ^{194}Pt(^{12}C,5nγ) (1985We05).
1059.5	(7/2)$^-$	436.2 *2*	100	623.3?	(5/2$^-$)	M1+E2	0.93 *23*	0.119 *19*	α(K)=0.094 *16*; α(L)=0.0193 *19*; α(M)=0.0046 *4* α(N)=0.00119 *11*; α(O)=0.000246 *24*; α(P)=3.0×10^{-5} *4* Mult.,δ: α(K)exp=0.094 *14* in ^{201}At ε decay (2010De04).
1124.8?	(7/2,9/2,11/2)	358.5 *4*	100	766.31?	(9/2)$^-$				
1242.9?	(7/2,9/2,11/2)	476.6 *4*	100	766.31?	(9/2)$^-$				
1552.2	(9/2)$^+$	492.7 *2*	100 *15*	1059.5	(7/2)$^-$	E1		0.01058 *15*	α(K)=0.00871 *12*; α(L)=0.001433 *20*; α(M)=0.000335 *5* α(N)=8.57×10^{-5} *12*; α(O)=1.768×10^{-5} *25*; α(P)=2.196×10^{-6} *31* Mult.: α(K)exp=0.010 *4* in ^{201}At ε decay (2010De04).
		537.0 *2*	95 *8*	1015.2	(11/2)$^+$	M1+E2	3.58 *17*	0.0328 *7*	α(K)=0.0240 *6*; α(L)=0.00665 *11*; α(M)=0.001647 *27* α(N)=0.000423 *7*; α(O)=8.53×10^{-5} *14*; α(P)=9.74×10^{-6} *17* Mult.,δ: α(K)exp=0.024 *3* in ^{201}At ε decay (2010De04).
1574.3	(9/2,11/2)$^+$	559.1 *2*	100	1015.2	(11/2)$^+$	M1+E2	1.78 *20*	0.0415 *33*	α(K)=0.0320 *28*; α(L)=0.0072 *4*; α(M)=0.00176 *9* α(N)=0.000453 *22*; α(O)=9.3×10^{-5} *5*; α(P)=1.11×10^{-5} *7* Mult.,δ: α(K)exp=0.032 *5* in ^{201}At ε decay (2010De04).
1593.6	21/2$^+$	556.6[‡]	100[‡]	1037.0	17/2$^+$	E2		0.02499 *35*	α(K)=0.01781 *25*; α(L)=0.00540 *8*; α(M)=0.001347 *19* α(N)=0.000346 *5*; α(O)=6.94×10^{-5} *10*; α(P)=7.77×10^{-6} *11* Mult.: A_2=0.24 *4*, A_4=−0.01 *5* in ^{194}Pt(^{12}C,5nγ) (1985We05).
1912.3	25/2$^+$	318.7[‡]	100[‡]	1593.6	21/2$^+$	E2		0.1054 *15*	α(K)=0.0585 *8*; α(L)=0.0350 *5*; α(M)=0.00907 *13* α(N)=0.002329 *33*; α(O)=0.000455 *6*; α(P)=4.60×10^{-5} *6* Mult.: A_2=0.22 *1*, A_4=−0.05 *1* in ^{194}Pt(^{12}C,5nγ) (1985We05).
2044.0	(9/2)$^+$	491.8 *2*	100	1552.2	(9/2)$^+$	E2		0.0334 *5*	α(K)=0.02292 *32*; α(L)=0.00788 *11*; α(M)=0.001982 *28* α(N)=0.000509 *7*; α(O)=0.0001015 *14*; α(P)=1.111×10^{-5} *16* Mult.: α(K)exp=0.023 *7* in ^{201}At ε decay (2010De04).
2101.6		189.3[‡]	100[‡]	1912.3	25/2$^+$	D,Q			Mult.: A_2=0.1 *4*, A_4=0.2 *3* in ^{194}Pt(^{12}C,5nγ) (1985We05).
2133.8	25/2$^+$,(29/2$^+$)	221.5[‡]	100[‡]	1912.3	25/2$^+$	D,Q			α(K)=0.6 *5*; α(L)=0.162 *13*; α(M)=0.0402 *10*; α(N+..)=0.0135 *4* Mult.: A_2=0.10 *6*, A_4=−0.11 *9* in ^{194}Pt(^{12}C,5nγ) (1985We05).

$^{201}_{84}Po_{117}$-5

Adopted Levels, Gammas (continued)

$\gamma(^{201}Po)$ (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[#]	α[@]	Comments
2202.9	(9/2,11/2)$^+$	628.6 *2*	100	1574.3	(9/2,11/2)$^+$	E2	0.01903 *27*	α(K)=0.01399 *20*; α(L)=0.00381 *5*; α(M)=0.000941 *13* α(N)=0.0002418 *34*; α(O)=4.88×10^{-5} *7*; α(P)=5.58×10^{-6} *8* Mult.: α(K)exp=0.014 *3* in ^{201}At ε decay (2010De04).
2239.6		138.0[‡]	100[‡]	2101.6				
2332.2	(27/2)	419.9[‡]	100[‡]	1912.3	25/2$^+$	D		Mult.: A_2=−0.2 *3*, A_4=−0.1 *4* in ^{194}Pt(^{12}C,5nγ) (1985We05).
2347.6		754.0[‡]	100[‡]	1593.6	21/2$^+$			
2354.7	(27/2$^+$)	442.4[‡]	100[‡]	1912.3	25/2$^+$	(M1)	0.1766 *25*	α(K)=0.1439 *20*; α(L)=0.02492 *35*; α(M)=0.00587 *8* α(N)=0.001510 *21*; α(O)=0.000316 *4*; α(P)=4.09×10^{-5} *6* Mult.: A_2=−0.05 *7*, A_4=0.27 *9* in ^{194}Pt(^{12}C,5nγ) (1985We05).
2463.9		551.6[‡]	100[‡]	1912.3	25/2$^+$			
2570.2	(27/2$^+$)	657.9[‡]	100[‡]	1912.3	25/2$^+$	(M1)	0.0618 *9*	α(K)=0.0505 *7*; α(L)=0.00864 *12*; α(M)=0.002030 *28* α(N)=0.000522 *7*; α(O)=0.0001094 *15*; α(P)=1.416×10^{-5} *20* Mult.: A_2=−0.30 *18*, A_4=−0.2 *2* in ^{194}Pt(^{12}C,5nγ) (1985We05).
2627.5	(29/2$^+$)	272.8[‡]	100[‡]	2354.7	(27/2$^+$)	(M1)	0.656 *9*	α(K)=0.534 *7*; α(L)=0.0934 *13*; α(M)=0.02203 *31* α(N)=0.00567 *8*; α(O)=0.001187 *17*; α(P)=0.0001533 *21* Mult.: A_2=0.3 *3*, A_4=0.4 *3* in ^{194}Pt(^{12}C,5nγ) (1985We05).
2770.1		857.8[‡]	100[‡]	1912.3	25/2$^+$			
2979.0	27/2$^+$,31/2$^+$	408.8[‡]	100[‡]	2570.2	(27/2$^+$)	M1,E2	0.14 *8*	α(K)=0.11 *7*; α(L)=0.023 *8*; α(M)=0.0055 *18* α(N)=0.0014 *5*; α(O)=2.9×10^{-4} *10*; α(P)=3.5×10^{-5} *15* Mult.: A_2=0.5 *2*, A_4=0.1 *3* in ^{194}Pt(^{12}C,5nγ) (1985We05).
3039.6		905.8[‡]	100[‡]	2133.8	25/2$^+$,(29/2$^+$)	D		Mult.: A_2=−0.1 *3*, A_4=−0.1 *5* in ^{194}Pt(^{12}C,5nγ) (1985We05).
3196.5	(29/2)	626.3[‡]	100[‡]	2570.2	(27/2$^+$)	D		Mult.: A_2=−0.36 *7*, A_4=−0.48 *10* in ^{194}Pt(^{12}C,5nγ) (1985We05).
3210.3	(31/2$^+$)	640.1[‡]	100[‡]	2570.2	(27/2$^+$)	(E2)	0.01829 *26*	α(K)=0.01350 *19*; α(L)=0.00362 *5*; α(M)=0.000894 *13* α(N)=0.0002296 *32*; α(O)=4.64×10^{-5} *6*; α(P)=5.31×10^{-6} *7* Mult.: A_2=0.44 *19*, A_4=−0.2 *3* in ^{194}Pt(^{12}C,5nγ) (1985We05).
3333.1		354.1[‡]	100[‡]	2979.0	27/2$^+$,31/2$^+$	D		Mult.: A_2=0.02 *16*, A_4=0.1 *2* in ^{194}Pt(^{12}C,5nγ) (1985We05).
3710.1	(35/2$^+$)	499.8[‡]	100[‡]	3210.3	(31/2$^+$)			
4153?		442.4[‡]	100[‡]	3710.1	(35/2$^+$)			

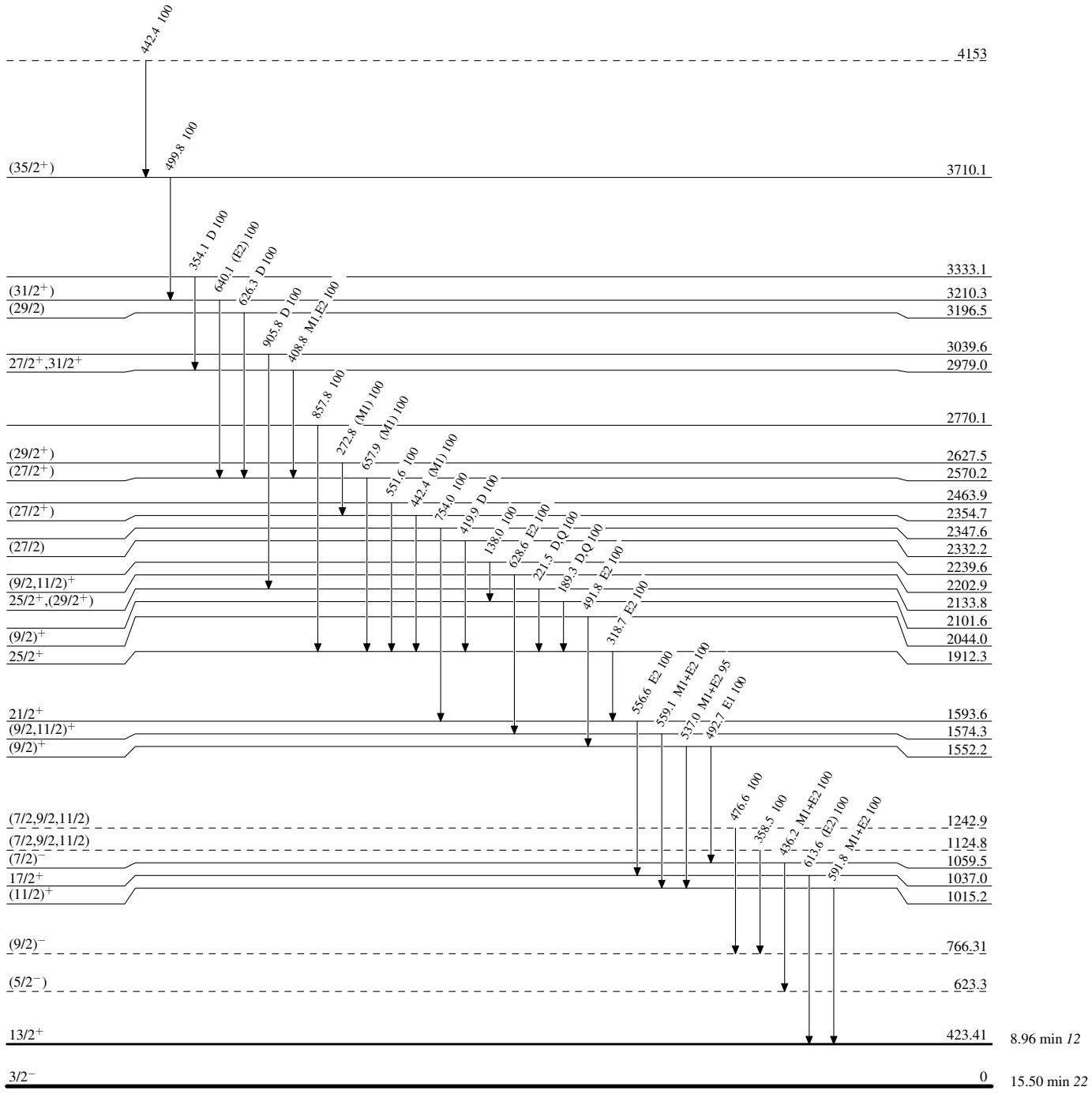
[†] From ^{201}At ε decay, unless otherwise stated.
[‡] From ^{194}Pt(^{12}C,5nγ).
[#] From α(K)exp in ^{201}At ε decay and $\gamma(\theta)$ in ^{194}Pt(^{12}C,5nγ), unless otherwise stated.
[@] Additional information 1.

$^{201}_{84}Po_{117}$-6

Adopted Levels, Gammas

Level Scheme

Intensities: Relative photon branching from each level



$^{201}_{84}Po_{117}$

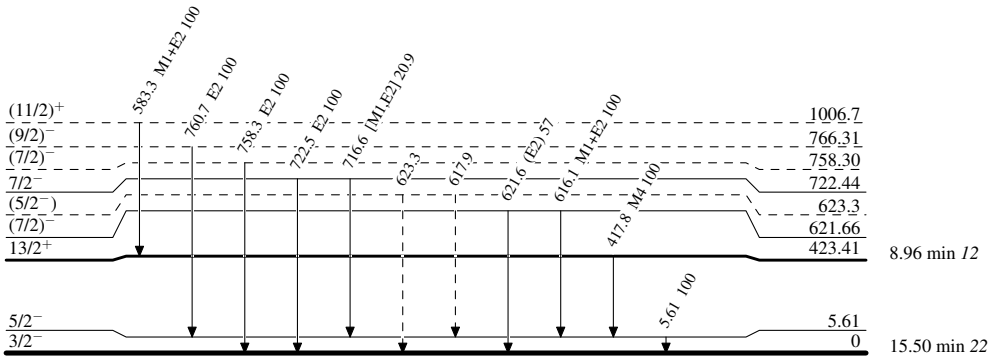
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level

γ Decay (Uncertain)



$^{201}_{84}Po_{117}$