^{206}Po $\varepsilon+\beta^+$ decay 1975Ka13,1975Ka14,1976Ja02

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev	NDS 201,346 (2025)	21-Jan-2025

Parent: ^{206}Po: E=0.0; $J^\pi=0^+$; $T_{1/2}$=8.8 d *1*; Q(ε)=1840 *9*; %ε+%β^+ decay=94.55 *5*

^{206}Po-Q($\varepsilon+\beta^+$): From 2021Wa16.

Others: 1981El07, 1981Fu06, 1973Li26, 1973Fu05, 1958Ar61, 1957Ar61, 1956St60.

1975Ka13,1975Ka14: ^{206}Po was produced in ^{209}Bi(p,4n) reaction using a 39-MeV proton beam. The source was chemically purified. Measured: ce using $\pi\sqrt{2}$ β-spectrometer, γ rays using 30- and 50-cm^3 Ge(Li) detectors, γ-γ coin, and ce-γ coin.

The decay scheme of 1975Ka13,1975Ka14 is adopted.

^{206}Bi Levels

E(level)[†]	J^π[‡]	$T_{1/2}$[‡]	Comments
0.0[#]	6^+	6.243 d *3*	
59.897[#] *17*	4^+	7.7 μs *2*	$T_{1/2}$: Weighted average of 7.6 μs *2* (1975Ka13) and 7.8 μs *3* (1957Ar61).
70.744[#] *22*	3^+		
82.818[#] *19*	5^+		
200.381[@] *21*	4^+		
352.690[&] *23*	$(3,4)^+$		
409.17 *3*	$(2)^+$		
523.209 *24*	3^+		
733.91 *3*	$(3)^+$		
878.09 *3*	2^+		
897.08 *3*	$(3,4)^+$		
931.66 *3*	1^+		
1077.87 *3*	2^+		
1102.96 *3*	2^+		
1265.31 *4*	$(2)^+$		
1389.48[a] *3*	1^+		
1523.65 *6*	1^+		
1567.67 *4*	1^+		
1600.20 *4*	$(1)^+$		

[†] From a least-squares fit to Eγ.
[‡] From Adopted Levels, unless otherwise stated.
[#] Dominant configuration=$\pi(h_{9/2}^{+1})\otimes\nu(f_{5/2}^{-1})$.
[@] Dominant configuration=$\pi(h_{9/2}^{+1})\otimes\nu(p_{1/2}^{-1})$.
[&] Dominant configuration=$\pi(h_{9/2}^{+1})\otimes\nu(p_{3/2}^{-1})$.
[a] Dominant configuration=$\pi(f_{7/2}^{+1})\otimes\nu(f_{5/2}^{-1})$.

ε,β^+ radiations

E(decay)	E(level)	Iε[#]	Log *ft*[‡]	I($\varepsilon+\beta^+$)[†#]	Comments
(240 *9*)	1600.20	1.9 *3*	7.72 *9*	1.9 *3*	εK=0.655 *10*; εL=0.253 *7*; εM+=0.0924 *24*
(316 *9*)	1523.65	0.77 *10*	8.43 *7*	0.77 *10*	εK=0.7076 *46*; εL=0.2157 *31*; εM+=0.0767 *11*
(451 *9*)	1389.48	77 *10*	6.81 *6*	77 *10*	εK=0.7469 *19*; εL=0.1880 *12*; εM+=0.0651 *5*
(908 *9*)	931.66	19.8 *27*	8.09 *6*	19.8 *27*	εK=0.7840 *5*; εL=0.16171 *25*; εM+=0.05430 *17*

[†] Calculated from γ-ray intensity balances.
[‡] Additional information 1.
[#] For absolute intensity per 100 decays, multiply by 0.9455 *5*.

^{206}Po $\varepsilon+\beta^+$ decay 1975Ka13,1975Ka14,1976Ja02 (continued)

$\gamma(^{206}Bi)$

Iγ normalization: From I(γ+ce)[59.908γ] + I(γ+ce)[82.802γ]=100 and by assuming no direct γ feeding to the ground state ($J^\pi=6^+$).

E_γ [†]	I_γ [†a]	E_i(level)	J_i^π	E_f	J_f^π	Mult. [@]	δ [@]	α [&]	Comments
10.836 *22*	1.269 *25*	70.744	3^+	59.897	4^+	M1(+E2)	<0.0031	319 *5*	%Iγ=0.301 *34* α(M)=242 *4* α(N)=62.1 *10*; α(O)=12.67 *19*; α(P)=1.506 *23* I_γ: From intensity balance by the evaluator. Mult.: M1:M2:M3:M4:M5:N1:N2:N3:O1:O2:P1=9400 *80*: 1050 *20*: 98 *8*:≤2.7: ≤1.9: 2300 *30*: 245 *9*:27.6 *31*:476 *16*: 32 *10*: 83 *29* (1975Ka13). Other: M1:N2:N3:O1:O23:O45P=1.00:0.0285 *11*:0.00277 *63*:0.0584 *17*: 0.00645 *47*: 0.00933 *34* (1975Ka13); N1:N2:N3:O1:O23:O45P=1.00:0.116 *4*:0.0113 *30*:0.239 *4*:0.0264 *18*:0.0381 *11* (1981Fu06) and O1:O23:O45P=1.00:0.110 *8*:0.160 *5* (1981Fu06). δ: From M2/M1=0.112 *3*, M3/M1=0.0105 *9*, N1/M1=0.245 *12* (1975Ka13) and N2/N1=0.116 *4*, N3/N1=0.0113 *30* (1981Fu06).
32.532 *19*	0.0334 *25*	1600.20	$(1)^+$	1567.67	1^+	M1+E2	0.095 *9*	63.7 *26*	%Iγ=0.0079 *11* α(L)=48.4 *19*; α(M)=11.7 *5* α(N)=2.98 *13*; α(O)=0.594 *23*; α(P)=0.0656 *18* Mult.: L1:L2:L3=44.2 *24*: 10.5 *9*: 18 *3* (1975Ka13). δ: From L2/L1(exp)=0.238 *24* (1975Ka13). I_γ: Determined by the evaluator from the measured Ice(L1) in 1975Ka13 and the theoretical α(L1) for the indicated multipolarity. The normalization was done relative to data for 677.7γ, E2 from 1975Ka13.
53.610 *43*	0.069 *9*	931.66	1^+	878.09	2^+	[M1]		11.78 *17*	%Iγ=0.0164 *28* α(L)=9.00 *13*; α(M)=2.119 *30* α(N)=0.542 *8*; α(O)=0.1107 *16*; α(P)=0.01318 *19* I_γ: Determined by the evaluator from Ice(L1) in 1975Ka13 and the theoretical α(L1) for a pure M1 transition. The normalization was done relative to data for 677.7γ, E2 from 1975Ka13.
59.908 *18*	5.4 *6*	59.897	4^+	0.0	6^+	E2		72.4 *10*	%Iγ=1.283 *17* α(L)=53.8 *8*; α(M)=14.25 *20* α(N)=3.62 *5*; α(O)=0.663 *9*; α(P)=0.0500 *7* Mult.: L1:L2:L3:M1:M2:M3:M4:M5:N:O=120 *5*:5290 *16*: 4870 *14*: 40.4 *36*: 1320 *40*: 1330 *30*: 19.9 *17*: 18.6 *14*:756 *31*:208 *8* (1975Ka13).
82.802 *22*	0.40 *5*	82.818	5^+	0.0	6^+	M1(+E2)	<0.05	3.32 *5*	%Iγ=0.095 *16* α(L)=2.54 *4*; α(M)=0.598 *9* α(N)=0.1529 *23*; α(O)=0.0312 *5*; α(P)=0.00371 *5*

From ENSDF

$^{206}_{83}Bi_{123}$-2

^{206}Po $\varepsilon+\beta^+$ decay 1975Ka13,1975Ka14,1976Ja02 (continued)

$\gamma(^{206}Bi)$ (continued)

E_γ [†]	I_γ [†a]	E_i(level)	J_i^π	E_f	J_f^π	Mult. [@]	δ [@]	α [&]	Comments
									Mult.: L1:L2:M:N:O=54.4 *25*: 5.5 *5*: 18.9 *17*: 2.3 *8*: 1.9 *13*. δ: From L2/L1=0.101 *10* (1975Ka13).
[x]109.484 *33* 117.536 *28*	0.58 *9*	200.381	4^+	82.818	5^+	M1(+E2)	0.11 *11*	6.39 *14*	%Iγ=0.138 *26* α(K)=5.16 *18*; α(L)=0.93 *5*; α(M)=0.220 *13* α(N)=0.0564 *33*; α(O)=0.0115 *6*; α(P)=0.001352 *33* Mult.: K:L1:L2:M:N:O=101 *29*: 18.2 *7*: 2.04 *17*: 3.91 *22*: 11.1 *3*: 0.43 *16*; α(K)exp=5.0 *+9−7* (1975Ka13). δ: From L1/K=0.18 *5*, L2/K=0.020 *6* and M/K=0.039 *11* (1975Ka13).
124.17[#] *5*	0.16 *4*	1389.48	1^+	1265.31	$(2)^+$	(E2)		2.69 *4*	%Iγ=0.038 *10* α(K)=0.415 *6*; α(L)=1.688 *24*; α(M)=0.448 *6* α(N)=0.1139 *16*; α(O)=0.02103 *30*; α(P)=0.001638 *23* E_γ: From a level energy difference. Eγ=124.669 keV *43* in 1975Ka13. I_γ: Determined by the evaluator from the measured Ice(K) in 1975Ka13 and the theoretical α(K) for the indicated multipolarity. The normalization was done relative to data for 677.7γ, E2 from 1975Ka13. Mult.: K:L1:L2=2.52 *58*:0.44 *9*:0.35 *19* (1975Ka13).
129.644 *22*	0.160 *26*	200.381	4^+	70.744	3^+	M1+E2	0.26 *+4−5*	4.69 *9*	%Iγ=0.038 *7* α(K)=3.72 *9*; α(L)=0.738 *18*; α(M)=0.176 *5* α(N)=0.0451 *13*; α(O)=0.00909 *23*; α(P)=0.001036 *16* Mult.: K:L1:L2:L3:M:N=26 *3*: 6.0 *3*: 0.77 *7*: 0.16 *7*: 0.79 *11*: 0.37 *12*; α(K)exp=4.7 *+15−11* (1975Ka13). δ: From L1/K=0.231 *29* and L2/K=0.0296 *24* (1975Ka13).
140.486 *28*	0.63 *14*	200.381	4^+	59.897	4^+	M1(+E2)	<0.07	3.86 *5*	%Iγ=0.15 *4* α(K)=3.14 *4*; α(L)=0.551 *8*; α(M)=0.1297 *18* α(N)=0.0332 *5*; α(O)=0.00678 *10*; α(P)=0.000806 *11* Mult.: K:L1:L2:L3:M=78 *5*: 10.5 *5*: 1.19 *12*: 0.21 *7*: 2.81 *18*; α(K)exp=3.6 *+12−7* (1975Ka13). δ: From L1/K=0.135 *11* and L2/K=0.0153 *18* (1975Ka13).
144.166 *28*	0.24 *4*	878.09	2^+	733.91	$(3)^+$	M1(+E2)	<0.44	3.42 *18*	%Iγ=0.057 *11* α(K)=2.71 *21*; α(L)=0.540 *30*; α(M)=0.129 *9* α(N)=0.0330 *23*; α(O)=0.0067 *4*; α(P)=0.000757 *14* Mult.: K:L1=24 *12*: 2.36 *17*; α(K)exp=2.9 *+4−3* (1975Ka13). δ: From α(K)exp=2.9 *+4−3* (1975Ka13).
146.180 *26*	0.48 *13*	1077.87	2^+	931.66	1^+	M1(+E2)	<0.11	3.44 *5*	%Iγ=0.114 *33* α(K)=2.79 *4*; α(L)=0.493 *7*; α(M)=0.1161 *17* α(N)=0.0297 *4*; α(O)=0.00606 *9*; α(P)=0.000719 *10* Mult.,δ: K:L1:L2=41 *3*: 5.7 *3*: 0.65 *9*: α(K)exp=2.5 *+9−6* (1975Ka13).

From ENSDF

$^{206}_{83}Bi_{123}$-3

^{206}Po $\varepsilon+\beta^+$ decay 1975Ka13,1975Ka14,1976Ja02 (continued)

$\gamma(^{206}Bi)$ (continued)

E_γ [†]	I_γ [†a]	E_i(level)	J_i^π	E_f	J_f^π	Mult. [@]	δ [@]	α [&]	Comments
152.308 *50*	0.19 *3*	352.690	(3,4)$^+$	200.381	4$^+$	M1(+E2)	<0.17	3.05 *5*	%Iγ=0.045 *9* α(K)=2.47 *5*; α(L)=0.440 *7*; α(M)=0.1039 *18* α(N)=0.0266 *5*; α(O)=0.00542 *9*; α(P)=0.000640 *9* Mult.,δ: K:L1:L2=18 *3*: 3.1 *3*: 0.29 *9* (1975Ka13). I_γ: Determined by the evaluator from the measured Ice(K) in 1975Ka13 and the theoretical α(K) for the indicated multipolarity. The normalization was done relative to data for 677.7γ, E2 from 1975Ka13.
162.31[#] *5*	0.48 *7*	1265.31	(2)$^+$	1102.96	2$^+$	(E2)		0.950 *13*	%Iγ=0.114 *21* α(K)=0.262 *4*; α(L)=0.512 *7*; α(M)=0.1352 *19* α(N)=0.0344 *5*; α(O)=0.00639 *9*; α(P)=0.000510 *7* E_γ: From adopted gammas. I_γ: Determined by the evaluator from the measured Ice(K) in 1975Ka13 and the theoretical α(K) for the indicated multipolarity. The normalization was done relative to data for 677.7γ, E2 from 1975Ka13. Mult.: K:L1=4.8 *6*:0.69 *29* (1975Ka13).
170.501 *21*	1.40 *13*	523.209	3$^+$	352.690	(3,4)$^+$	M1(+E2)	<0.14	2.219 *34*	%Iγ=0.33 *5* α(K)=1.803 *29*; α(L)=0.318 *5*; α(M)=0.0749 *11* α(N)=0.01916 *28*; α(O)=0.00391 *6*; α(P)=0.000464 *7* Mult.: K:L1:L2:M:N:O=74.5 *23*: 11.6 *5*: 1.20 *19*: 2.46 *20*: 0.39 *10*: 0.20 *9*; α(K)exp=1.5 *+3−2* (1975Ka13). δ: From L1/K=0.156 *8*, L2/K=0.0161 *26*, M/K=0.0330 *29* and α(K)exp=1.5 *+3−2* (1975Ka13).
171.340 *24*	0.44 *4*	1102.96	2$^+$	931.66	1$^+$	M1+E2	0.36 *+16−27*	2.04 *15*	%Iγ=0.105 *15* α(K)=1.61 *17*; α(L)=0.324 *11*; α(M)=0.077 *4* α(N)=0.0198 *9*; α(O)=0.00399 *14*; α(P)=0.000452 *8* Mult.: K:L1:L2:M:O=22.3 *9*: 4.8 *3*: 0.50 *21*: 1.02 *12*: 0.10 *7*; α(K)exp=1.52 *+19−15* (1975Ka13). δ: From L1/K=0.215 *16*, M/K=0.046 *6* and α(K)exp=1.52 *+19−15* (1975Ka13).
[x]177.035 *24*									
178.203 *20*	0.19 *4*	1567.67	1$^+$	1389.48	1$^+$	M1(+E2)	<0.5	1.84 *13*	%Iγ=0.045 *11* α(K)=1.47 *14*; α(L)=0.286 *7*; α(M)=0.0683 *26* α(N)=0.0175 *7*; α(O)=0.00352 *10*; α(P)=0.000403 *9* Mult.: K:L1:L2=13.9 *10*: 2.17 *19*: 0.24 *8*; α(K)exp=2.07 *+55−37* (1975Ka13). δ: From L1/K(exp)=0.156 *18* and α(K)exp=2.07 *+55−37* (1975Ka13).
180.791 *19*	0.44 *5*	1077.87	2$^+$	897.08	(3,4)$^+$	M1+E2	0.33 *29*	1.77 *23*	%Iγ=0.105 *17* α(K)=1.41 *24*; α(L)=0.274 *10*; α(M)=0.065 *4* α(N)=0.0167 *10*; α(O)=0.00337 *14*; α(P)=0.000386 *13*

From ENSDF

$^{206}_{83}Bi_{123}$-4

^{206}Po $\varepsilon+\beta^+$ decay 1975Ka13,1975Ka14,1976Ja02 (continued)

$\gamma(^{206}Bi)$ (continued)

E_γ[†]	I_γ[†a]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[@]	δ[@]	α[&]	Comments
									Mult.: K:L1:L2=21.5 *11*: 3.33 *23*: 0.35 *12*; α(K)exp=1.41 *+24−13* (1975Ka13). δ: From L1/K=0.155 *13* and α(K)exp=1.41 *+24−13* (1975Ka13).
205.936 *50*		1102.96	2^+	897.08	$(3,4)^+$				
210.672 *51*	0.18 *6*	733.91	$(3)^+$	523.209	3^+	M1(+E2)	<0.4	1.17 *6*	%Iγ=0.043 *15* α(K)=0.95 *6*; α(L)=0.1742 *25*; α(M)=0.0413 *6* α(N)=0.01055 *16*; α(O)=0.002143 *30*; α(P)=0.000250 *7* Mult.,δ: α(K)exp=1.0 *+8−4* (1975Ka13).
224.853 *42*	0.12 *7*	1102.96	2^+	878.09	2^+	M1+E2	1.92 *+28−22*	0.456 *32*	%Iγ=0.029 *17* α(K)=0.280 *31*; α(L)=0.1319 *20*; α(M)=0.0337 *5* α(N)=0.00859 *12*; α(O)=0.001640 *24*; α(P)=0.000150 *4* Mult.,δ: α(K)exp=0.28 (1975Ka13).
281.923 *23*	3.68 *12*	352.690	$(3,4)^+$	70.744	3^+	M1(+E2)	<0.10	0.548 *8*	%Iγ=0.87 *10* α(K)=0.447 *7*; α(L)=0.0775 *11*; α(M)=0.01821 *26* α(N)=0.00466 *7*; α(O)=0.000951 *13*; α(P)=0.0001132 *16* Mult.: K:L1:L2:M:N=62.9 *18*: 11.5 *6*: 1.2 *4*: 1.29 *12*: 0.26 *10*; α(K)exp=0.49 *3* (1975Ka13). δ: From L1/K=0.183*11*, L2/K=0.0205 *20* and α(K)exp=0.49 *3* (1975Ka13).
286.410 *26*	105 *2*	1389.48	1^+	1102.96	2^+	M1(+E2)	<0.06	0.526 *7*	%Iγ=24.9 *28* α(K)=0.429 *6*; α(L)=0.0742 *10*; α(M)=0.01744 *24* α(N)=0.00446 *6*; α(O)=0.000912 *13*; α(P)=0.0001085 *15* Mult.,δ: K:L1:L2:L3:M:N:O=1630 *40*: 286 *14*: 32 *4*: 1.64 *12*: 64.5 *23*: 17.3 *7*: 3.01 *17*; α(K)exp=0.464 *+22−18* (1975Ka13). δ: Other: −0.077<δ<0.077 from $\gamma\gamma(\theta)$ in 1981El07.
292.799 *30*	0.188 *12*	352.690	$(3,4)^+$	59.897	4^+	M1(+E2)	<0.4	0.471 *26*	%Iγ=0.045 *6* α(K)=0.381 *24*; α(L)=0.0682 *20*; α(M)=0.0161 *4* α(N)=0.00411 *10*; α(O)=0.000838 *24*; α(P)=9.9×10^{-5} *4* Mult.,δ: K:L1:M=3.46 *24*: 0.70 *8*: 0.12 *5*; α(K)exp=0.53 *+8−7* (1975Ka13).
311.558 *30*	18.7 *4*	1389.48	1^+	1077.87	2^+	M1(+E2)	<0.16	0.415 *7*	%Iγ=4.4 *5* α(K)=0.338 *6*; α(L)=0.0586 *9*; α(M)=0.01378 *20* α(N)=0.00352 *5*; α(O)=0.000720 *11*; α(P)=8.56×10^{-5} *13* Mult.: K:L1:L2:L3:M:N:O=224 *7*: 39.4 *15*: 4.2 *3*: 0.25 *5*: 9.5 *4*: 2.6 *3*: 0.51 *6*; α(K)exp=0.346 *+19−18* (1975Ka13). δ: From L2/K=0.0188 *15*, L3/K=0.00112 *23*, M/K=0.0424 *22*, N/K=0.0116 *14*, O/K=0.00228 *28* and α(K)exp=0.346 *+19−18* (1975Ka13); Other: −0.070<δ<0.170 from $\gamma\gamma(\theta)$ in 1981El07.

From ENSDF

$^{206}_{83}Bi_{123}$-5

γ(^{206}Bi) (continued)

E_γ †	I_γ †a	E_i(level)	J_i^π	E_f	J_f^π	Mult.@	δ@	α&	Comments
322.809 *33*	0.54 *3*	523.209	3$^+$	200.381	4$^+$	M1(+E2)	<0.5	0.352 *29*	%Iγ=0.128 *16* α(K)=0.285 *26*; α(L)=0.0512 *24*; α(M)=0.0121 *5* α(N)=0.00309 *13*; α(O)=0.000629 *28*; α(P)=7.4×10^{-5} *4* Mult.,δ: K:L1:M=6.0 *3*: 0.95 *9*: 0.21 *8*; α(K)exp=0.32 *+4−3* (1975Ka13).
324.728 *40*	0.430 *28*	733.91	(3)$^+$	409.17	(2)$^+$	M1+E2	0.53 *20*	0.31 *4*	%Iγ=0.102 *13* α(K)=0.250 *32*; α(L)=0.0477 *29*; α(M)=0.0114 *6* α(N)=0.00290 *16*; α(O)=0.000587 *35*; α(P)=6.7×10^{-5} *6* Mult.,δ: From α(K)exp=0.25 *3* (1975Ka13).
338.441 *34*	84.5 *17*	409.17	(2)$^+$	70.744	3$^+$	M1(+E2)	−0.01 *8*	0.334 *5*	%Iγ=20.1 *23* α(K)=0.273 *4*; α(L)=0.0470 *7*; α(M)=0.01103 *16* α(N)=0.00282 *4*; α(O)=0.000576 *8*; α(P)=6.87×10^{-5} *10* Mult.: K:L1:L2:L3:M:N:O=819 *21*: 135 *5*: 15.0 *22*: 0.78 *9*: 34.2 *13*: 10.3 *5*: 4.15 *21*; α(K)exp=0.280 *+13−12* (1975Ka13). δ: From γγ(θ) in 1981El07. Other: 0.13 *18* from L1/K=0.165 *7*, L2/K=0.0183 *27*, M/K=0.0418 *19* and α(K)exp=0.53 *8* (1975Ka13).
343.968 *41*	0.26 *8*	1077.87	2$^+$	733.91	(3)$^+$	M1		0.320 *4*	%Iγ=0.062 *20* α(K)=0.261 *4*; α(L)=0.0449 *6*; α(M)=0.01055 *15* α(N)=0.00270 *4*; α(O)=0.000551 *8*; α(P)=6.57×10^{-5} *9* Mult.: α(K)exp=0.21 *+12−6* (1975Ka13).
354.866 *37*	1.74 *7*	878.09	2$^+$	523.209	3$^+$	M1(+E2)	<0.25	0.287 *8*	%Iγ=0.41 *5* α(K)=0.234 *7*; α(L)=0.0407 *8*; α(M)=0.00957 *18* α(N)=0.00245 *5*; α(O)=0.000500 *10*; α(P)=5.93×10^{-5} *13* Mult.: K:M=15.3 *6*: 0.47 *6*; α(K)exp=0.254 *+21−19* (1975Ka13). δ: From α(K)exp=0.254 *+21−19* (1975Ka13).
369.077 *37*	0.76 *5*	1102.96	2$^+$	733.91	(3)$^+$	M1(+E2)	<0.20	0.260 *5*	%Iγ=0.181 *23* α(K)=0.212 *4*; α(L)=0.0367 *6*; α(M)=0.00863 *14* α(N)=0.00221 *4*; α(O)=0.000451 *8*; α(P)=5.36×10^{-5} *10* Mult.,δ: K:L1=7.4 *4*:0.94 *8*; α(K)exp=0.278 *+32−28* (1975Ka13).
381.220 *41*	0.78 *5*	733.91	(3)$^+$	352.690	(3,4)$^+$	M1(+E2)	<0.4	0.230 *13*	%Iγ=0.185 *24* α(K)=0.187 *11*; α(L)=0.0328 *13*; α(M)=0.00772 *27* α(N)=0.00197 *7*; α(O)=0.000402 *15*; α(P)=4.76×10^{-5} *22* Mult.: K:L1:N=5.7 *3*: 1.09 *9*: 0.08 *3*; α(K)exp=0.21 *3* (1975Ka13). δ: From L1/K=0.191 *19* and α(K)exp=0.21 *3* (1975Ka13).
452.472 *48*	1.42 *6*	523.209	3$^+$	70.744	3$^+$	M1(+E2)	<0.26	0.149 *4*	%Iγ=0.34 *4* α(K)=0.122 *4*; α(L)=0.0210 *5*; α(M)=0.00493 *11* α(N)=0.001261 *28*; α(O)=0.000257 *6*; α(P)=3.06×10^{-5} *8* Mult.,δ: K:L1=6.5 *3*: 1.34 *9*; α(K)exp=0.133 *12* (1975Ka13).

From ENSDF

^{206}Po $\varepsilon+\beta^+$ decay 1975Ka13,1975Ka14,1976Ja02 (continued)

$\gamma(^{206}Bi)$ (continued)

E_γ[†]	I_γ[†a]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[@]	δ[@]	α[&]	Comments
457.765 *49*	0.68 *4*	1389.48	1^+	931.66	1^+	M1(+E2)	<0.4	0.141 *8*	%Iγ=0.162 *20* α(K)=0.115 *7*; α(L)=0.0199 *8*; α(M)=0.00468 *19* α(N)=0.00120 *5*; α(O)=0.000244 *10*; α(P)=2.89×10^{-5} *14* Mult.: K:L1:M=2.95 *17*: 0.66 *6*: 0.20 *6*; α(K)exp=0.125 *15* (1975Ka13). δ: From α(K)exp=0.125 *15* (1975Ka13).
463.381 *48*	7.9 *3*	523.209	3^+	59.897	4^+	M1(+E2)	<0.27	0.140 *4*	%Iγ=1.88 *22* α(K)=0.1142 *35*; α(L)=0.0197 *5*; α(M)=0.00462 *11* α(N)=0.001181 *27*; α(O)=0.000241 *6*; α(P)=2.87×10^{-5} *7* Mult.: K:L1:M:N=33.4 *12*: 6.4 *3* :1.81 *10*: 0.42 *6*; α(K)exp=0.122 *10* (1975Ka13). δ: From L1/K=0.192 *11* and α(K)exp=0.122 *10* (1975Ka13).
468.983 *52*	1.14 *5*	878.09	2^+	409.17	$(2)^+$	M1(+E2)	<0.28	0.135 *4*	%Iγ=0.271 *32* α(K)=0.110 *4*; α(L)=0.0190 *5*; α(M)=0.00446 *11* α(N)=0.001141 *28*; α(O)=0.000233 *6*; α(P)=2.77×10^{-5} *8* Mult.: K:L1:M:N=5.0 *3*: 1.07 *8*: 0.28 *4*: 0.063 *23*; α(K)exp=0.127 *+13−9* (1975Ka13). δ: From M/K=0.056 *9* and α(K)exp=0.127 *+13−9* (1975Ka13).
511.359 *52*	106 *2*	1389.48	1^+	878.09	2^+	M1(+E2)	<0.20	0.1089 *22*	%Iγ=25.2 *28* α(K)=0.0890 *18*; α(L)=0.01522 *27*; α(M)=0.00357 *6* α(N)=0.000913 *16*; α(O)=0.0001866 *33*; α(P)=2.22×10^{-5} *4* Mult.: K:L1:L2:L3:M:N=336 *9*: 60.1 *19*: 6.07 *24*: 0.36 *5*: 15.7 *6*: 4.99 *21*; α(K)exp=0.0916 *+43−41* (1975Ka13). δ: From L1/K=0.179 *7*, L3/K=0.00107 *15*, M/K=0.0467 *22*, N/K=0.0149 *8*, and α(K)exp=0.346 *+19−18* (1975Ka13); Other: −0.152<δ<0.152 from γγ(θ) in 1981El07.
522.469 *52*	69.3 *14*	931.66	1^+	409.17	$(2)^+$	M1+E2	−0.16 *+8−11*	0.1024 *27*	%Iγ=16.5 *19* α(K)=0.0837 *23*; α(L)=0.01432 *32*; α(M)=0.00336 *7* α(N)=0.000859 *19*; α(O)=0.000176 *4*; α(P)=2.09×10^{-5} *5* Mult.: K:L1:L2:L3:M:N=214 *6*: 37.1 *13*: 3.87 *24*: 0.26 *3*: 10.2 *4*: 2.72 *20*; α(K)exp=0.089 *4* (1975Ka13). δ: From δ=−0.16 *6* using γγ(θ) in 1981El07 and L1/K=0.173 *8*, L2/K=0.0181 *12*, L3/K=0.00121 *14*, M/K=0.0477 *23*, N/K=0.0127 *10* and α(K)exp=0.089 *4* (1975Ka13). Sign is from 1981El07.
533.557 *63*	0.374 *29*	733.91	$(3)^+$	200.381	4^+	M1(+E2)	<0.29	0.0959 *31*	%Iγ=0.089 *12* α(K)=0.0783 *26*; α(L)=0.0134 *4*; α(M)=0.00315 *8* α(N)=0.000806 *21*; α(O)=0.000165 *4*; α(P)=1.96×10^{-5} *6* Mult.,δ: From α(K)exp=0.105 *+16−13* (1975Ka13).

From ENSDF

$^{206}_{83}Bi_{123}$-7

^{206}Po ε+β$^+$ decay 1975Ka13,1975Ka14,1976Ja02 (continued)

γ(^{206}Bi) (continued)

E_γ [†]	I_γ [†a]	E_i(level)	J_i^π	E_f	J_f^π	Mult. [@]	δ [@]	α [&]	Comments
544.393 *70*	0.16 *6*	897.08	(3,4)$^+$	352.690	(3,4)$^+$	M1(+E2)	<1.1	0.075 *19*	%Iγ=0.038 *15* α(K)=0.061 *16*; α(L)=0.0109 *21*; α(M)=0.0026 *5* α(N)=0.00066 *12*; α(O)=0.000134 *26*; α(P)=1.57×10^{-5} *34* Mult.: α(K)exp=0.14 *+7−5* (1975Ka13). δ: From α(K)exp=0.14 *+7−5* (1975Ka13).
554.636 *56*	6.86 *27*	1077.87	2$^+$	523.209	3$^+$	M1(+E2)	<0.25	0.0872 *23*	%Iγ=1.63 *19* α(K)=0.0713 *19*; α(L)=0.01217 *27*; α(M)=0.00286 *6* α(N)=0.000730 *16*; α(O)=0.0001492 *33*; α(P)=1.78×10^{-5} *4* Mult.: K:L1:M:N=19.4 *7*: 3.27 *15*: 0.75 *5*: 0.083 *22*; α(K)exp=0.0817 *+64−59* (1975Ka13). δ: From L1/K=0.169 *10*, M/K=0.0387 *29* and α(K)exp=0.0817 *+64−59* (1975Ka13).
579.778 *60*	4.66 *19*	1102.96	2$^+$	523.209	3$^+$	M1(+E2)	<0.4	0.075 *4*	%Iγ=1.11 *13* α(K)=0.0615 *35*; α(L)=0.0106 *5*; α(M)=0.00248 *11* α(N)=0.000634 *28*; α(O)=0.000129 *6*; α(P)=1.54×10^{-5} *8* Mult.,δ: K:L:M=11.3 *4*: 1.93 *10*: 0.61 *5*; α(K)exp=0.0701 *+55−51* (1975Ka13).
591.8[‡]	0.196 *24*	1523.65	1$^+$	931.66	1$^+$	[M1,E2]		0.048 *27*	%Iγ=0.047 *8* α(K)=0.038 *23*; α(L)=0.0073 *31*; α(M)=0.0017 *7* α(N)=4.5×10^{-4} *18*; α(O)=9; α(P)=1.0×10^{-5} *5*
645.583 *67*	1.55 *6*	1523.65	1$^+$	878.09	2$^+$	M1(+E2)	<0.25	0.0585 *15*	%Iγ=0.37 *4* α(K)=0.0479 *13*; α(L)=0.00814 *19*; α(M)=0.00191 *4* α(N)=0.000488 *11*; α(O)=9.97×10^{-5} *23*; α(P)=1.188×10^{-5} *29* Mult.,δ: K:L=3.01 *14*: 0.65 *5*; α(K)exp=0.0561 *+50−46* (1975Ka13).
[x]664.077 *77*	0.10 *4*					M1(+E2)		0.036 *20*	%Iγ=0.024 *10* α(K)=0.029 *17*; α(L)=0.0054 *23*; α(M)=0.0013 *5* α(N)=3.3×10^{-4} *13*; α(O)=6.6×10^{-5} *28*; α(P)=8 Mult.: α(K)exp=0.042 *+37−17* (1975Ka13).
668.750 *71*	3.78 *15*	1077.87	2$^+$	409.17	(2)$^+$	M1+E2	0.271 *22*	0.0519 *8*	%Iγ=0.90 *11* α(K)=0.0424 *7*; α(L)=0.00724 *11*; α(M)=0.001697 *26* α(N)=0.000434 *7*; α(O)=8.86×10^{-5} *14*; α(P)=1.055×10^{-5} *17* Mult.,δ: K:L=5.80 *24*: 1.16 *7*; α(K)exp=0.0443 *+38−34* (1975Ka13).
677.709 *73*	6.49 *26*	878.09	2$^+$	200.381	4$^+$	E2		0.01543 *22*	%Iγ=1.54 *18* α(K)=0.01161 *16*; α(L)=0.00289 *4*; α(M)=0.000707 *10* α(N)=0.0001804 *25*; α(O)=3.56×10^{-5} *5*; α(P)=3.74×10^{-6} *5* Mult.: K:L1:L2:M=2.82 *13*: 0.69 *5*: 0.31 *3*: 0.193 *25*; α(K)exp=0.0126 *11* (1975Ka13).

From ENSDF

$^{206}_{83}Bi_{123}$-8

^{206}Po $\varepsilon+\beta^+$ decay 1975Ka13,1975Ka14,1976Ja02 (continued)

$\gamma(^{206}Bi)$ (continued)

E_γ [†]	I_γ [†a]	E_i(level)	J_i^π	E_f	J_f^π	Mult. [@]	δ [@]	α [&]	Comments
693.812 *75*	0.90 *5*	1102.96	2^+	409.17	$(2)^+$	M1(+E2)	<0.48	0.0463 *33*	%Iγ=0.214 *27* α(K)=0.0378 *28*; α(L)=0.0065 *4*; α(M)=0.00152 *9* α(N)=0.000388 *23*; α(O)=7.9×10^{-5} *5*; α(P)=9.4×10^{-6} *6* Mult.,δ: K:L=1.24 *7*: 0.23 *3*; α(K)exp=0.0397 *+48−42* (1975Ka13).
[x]719.699 *77*	0.21 *6*					M1(+E2)		0.029 *16*	%Iγ=0.050 *15* α(K)=0.024 *13*; α(L)=0.0043 *19*; α(M)=1.0×10^{-3} *4* α(N)=2.6×10^{-4} *11*; α(O)=5.3×10^{-5} *23*; α(P)=6.2×10^{-6} *29* Mult.: α(K)exp=0.039 *+25−14* (1975Ka13).
722.034 *75*	0.30 *5*	1600.20	$(1)^+$	878.09	2^+	(E2)		0.01349 *19*	%Iγ=0.071 *14* α(K)=0.01027 *14*; α(L)=0.002443 *34*; α(M)=0.000595 *8* α(N)=0.0001519 *21*; α(O)=3.01×10^{-5} *4*; α(P)=3.19×10^{-6} *4* Mult.: α(K)exp=0.0128 *+42−36* (1975Ka13).
[x]727.343 *78*	0.417 *22*					M1(+E2)		0.029 *15*	%Iγ=0.099 *12* α(K)=0.023 *13*; α(L)=0.0042 *18*; α(M)=1.0×10^{-3} *4* α(N)=2.6×10^{-4} *11*; α(O)=5.2×10^{-5} *22*; α(P)=6.0×10^{-6} *29* Mult.: α(K)exp=0.036 *+11−9* (1975Ka13).
[x]741.5[‡]	0.046 *14*								%Iγ=0.0109 *35*
807.385 *82*	100 *2*	878.09	2^+	70.744	3^+	M1(+E2)	<0.23	0.0328 *7*	%Iγ=23.8 *27* α(K)=0.0269 *6*; α(L)=0.00453 *9*; α(M)=0.001061 *22* α(N)=0.000271 *6*; α(O)=5.55×10^{-5} *12*; α(P)=6.62×10^{-6} *14* Mult.: K:L:M=100 *3*: 19.9 *7*: 5.06 *19*; α(K)exp=0.0289 *+15−14* (1975Ka13). δ: From L/K=0.199 *9* and α(K)exp=0.0289 *+15−14* (1975Ka13); Other: −0.056<δ<0.210 from γγ(θ) in 1981El07.
818.231 *84*	4.60 *18*	878.09	2^+	59.897	4^+	E2		0.01042 *15*	%Iγ=1.09 *13* α(K)=0.00808 *11*; α(L)=0.001777 *25*; α(M)=0.000430 *6* α(N)=0.0001096 *15*; α(O)=2.181×10^{-5} *31*; α(P)=2.364×10^{-6} *33* Mult.: K:M=1.38 *7*: 0.085 *9*; α(K)exp=0.0086 *+8−7* (1975Ka13).
826.442 *94*	<0.67	897.08	$(3,4)^+$	70.744	3^+	[M1,E2]		0.021 *11*	%Iγ<0.159 %Iγ<0.168 α(K)=0.017 *9*; α(L)=0.0030 *13*; α(M)=7.2×10^{-4} *30* α(N)=1.8×10^{-4} *8*; α(O)=3.7×10^{-5} *16*; α(P)=4.3×10^{-6} *20* Mult.: α(K)exp≥0.0019.
837.235 *87*	0.44 *3*	897.08	$(3,4)^+$	59.897	4^+	M1(+E2)	<0.4	0.0290 *15*	%Iγ=0.105 *14* α(K)=0.0237 *12*; α(L)=0.00401 *18*; α(M)=0.00094 *4* α(N)=0.000240 *11*; α(O)=4.91×10^{-5} *22*; α(P)=5.85×10^{-6} *28* Mult.: K:L:M=0.50 *3*:0.073 *9*: 0.020 *5*; α(K)exp=0.033 *5*

From ENSDF

$^{206}_{83}Bi_{123}$-9

$\gamma(^{206}Bi)$ (continued)

E_γ[†]	I_γ[†a]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[@]	δ[@]	α[&]	Comments
									(1975Ka13). δ: From L/K=0.146 *20*, M/K=0.04 *1* and α(K)exp=0.0289 *+15−14* (1975Ka13).
860.933 *89*	15.6 *6*	931.66	1^+	70.744	3^+	E2		0.00940 *13*	%Iγ=3.7 *4* α(K)=0.00734 *10*; α(L)=0.001569 *22*; α(M)=0.000378 *5* α(N)=9.65×10^{-5} *14*; α(O)=1.923×10^{-5} *27*; α(P)=2.101×10^{-6} *29* Mult.: K:L1:L2:M:N=4.36 *17*: 0.91 *4*: 0.049 *7*: 0.329 *22*: 0.077 *10*; α(K)exp=0.0081 *+7−6* (1975Ka13).
866.23 *10*	0.158 *14*	1389.48	1^+	523.209	3^+	E2		0.00929 *13*	%Iγ=0.038 *5* α(K)=0.00725 *10*; α(L)=0.001545 *22*; α(M)=0.000372 *5* α(N)=9.50×10^{-5} *13*; α(O)=1.895×10^{-5} *27*; α(P)=2.072×10^{-6} *29* Mult.: α(K)exp=0.0087 *+29−24* (1975Ka13).
877.9[‡]	0.091 *13*	1077.87	2^+	200.381	4^+	[E2]		0.00904 *13*	%Iγ=0.022 *4* α(K)=0.00707 *10*; α(L)=0.001496 *21*; α(M)=0.000360 *5* α(N)=9.19×10^{-5} *13*; α(O)=1.834×10^{-5} *26*; α(P)=2.009×10^{-6} *28*
902.531 *91*	1.09 *4*	1102.96	2^+	200.381	4^+	E2		0.00856 *12*	%Iγ=0.259 *30* α(K)=0.00672 *9*; α(L)=0.001400 *20*; α(M)=0.000337 *5* α(N)=8.59×10^{-5} *12*; α(O)=1.716×10^{-5} *24*; α(P)=1.887×10^{-6} *26* Mult.: K:L:M=0.24 *4*: 0.09 *3*: 0.026 *7* (1975Ka13).
[x]944.1[‡]	0.032 *9*								%Iγ=0.0076 *23*
[x]947.241 *96*	0.186 *15*					M1(+E2)		0.015 *7*	%Iγ=0.044 *6* α(K)=0.012 *6*; α(L)=0.0021 *9*; α(M)=5.0×10^{-4} *21* α(N)=1.3×10^{-4} *5*; α(O)=2.6×10^{-5} *11*; α(P)=3.1×10^{-6} *14* Mult.: α(K)exp=0.016 *+9−8* (1975Ka13).
[x]969.4[‡]	0.033 *9*								%Iγ=0.0078 *23*
980.225 *95*	31.2 *6*	1389.48	1^+	409.17	$(2)^+$	M1+E2	0.34 *+14−16*	0.0189 *11*	%Iγ=7.4 *8* α(K)=0.0155 *9*; α(L)=0.00261 *14*; α(M)=0.000610 *32* α(N)=0.000156 *8*; α(O)=3.19×10^{-5} *17*; α(P)=3.80×10^{-6} *21* Mult.: K:L:M:N=17.2 *6*: 3.06 *12*: 0.75 *3*: 0.230 *16*; α(K)exp=0.0159 *9* (1975Ka13). δ: From L/K=0.178 *8* and α(K)exp=0.0159 *9* (1975Ka13), and δ=0.38*15* using $\gamma\gamma(\theta)$ in 1981El07.
1007.146 *97*	13.5 *5*	1077.87	2^+	70.744	3^+	M1(+E2)	<0.19	0.01866 *33*	%Iγ=3.2 *4* α(K)=0.01532 *28*; α(L)=0.00256 *4*; α(M)=0.000599 *10* α(N)=0.0001531 *26*; α(O)=3.13×10^{-5} *5*; α(P)=3.74×10^{-6} *7*

From ENSDF

$^{206}_{83}Bi_{123}$-10

^{206}Po $\varepsilon+\beta^+$ decay 1975Ka13,1975Ka14,1976Ja02 (continued)

$\gamma(^{206}Bi)$ (continued)

E_γ [†]	I_γ [†a]	E_i(level)	J_i^π	E_f	J_f^π	Mult. [@]	δ [@]	α [&]	Comments
									Mult.: K:L=8.5 *3*: 1.5 *7*; α(K)exp=0.0181 *14* (1975Ka13). δ: From α(K)exp=0.0181 *14* (1975Ka13); Other: 0.105≤δ<0.447 from $\gamma\gamma(\theta)$ in 1981El07.
[x]1008.87 *10*	0.39 *27*					M1(+E2)		0.013 *6*	%Iγ=0.09 *6* α(K)=0.010 *5*; α(L)=0.0018 *7*; α(M)=4.3×10^{-4} *17* α(N)=1.1×10^{-4} *4*; α(O)=2.2×10^{-5} *9*; α(P)=2.6×10^{-6} *11* Mult.: α(K)exp=0.028 *+70−13* (1975Ka13).
[x]1012.23 *12*	0.86 *3*					M1(+E2)		0.013 *6*	%Iγ=0.204 *24* α(K)=0.010 *5*; α(L)=0.0018 *7*; α(M)=4.3×10^{-4} *17* α(N)=1.1×10^{-4} *4*; α(O)=2.2×10^{-5} *9*; α(P)=2.6×10^{-6} *11* Mult.: α(K)exp=0.0207 *21* (1975Ka13).
1017.93 *13*	1.6 *5*	1077.87	2$^+$	59.897	4$^+$	E2		0.00676 *9*	%Iγ=0.38 *13* α(K)=0.00537 *8*; α(L)=0.001058 *15*; α(M)=0.0002528 *35* α(N)=6.45×10^{-5} *9*; α(O)=1.294×10^{-5} *18*; α(P)=1.445×10^{-6} *20* Mult.: α(K)exp=0.0054 *+28−15* (1975Ka13).
1032.26 *10*	145 *3*	1102.96	2$^+$	70.744	3$^+$	M1(+E2)	<0.35	0.0171 *7*	%Iγ=34 *4* α(K)=0.0140 *5*; α(L)=0.00235 *8*; α(M)=0.000550 *19* α(N)=0.000141 *5*; α(O)=2.87×10^{-5} *10*; α(P)=3.43×10^{-6} *13* Mult.,δ: K:L:M:N=80.4 *24*: 15.4 *6*: 3.82 *14*: 1.15 *15*; α(K)exp=0.016 *9* (1975Ka13); Other: −0.076<δ<−0.027 from $\gamma\gamma(\theta)$ in 1981El07.
1043.17 *13*	1.27 *5*	1102.96	2$^+$	59.897	4$^+$	E2		0.00645 *9*	%Iγ=0.30 *4* α(K)=0.00513 *7*; α(L)=0.001001 *14*; α(M)=0.0002389 *33* α(N)=6.10×10^{-5} *9*; α(O)=1.224×10^{-5} *17*; α(P)=1.371×10^{-6} *19* Mult.: K:L=0.231 *17*: 0.021 *3*; α(K)exp=0.00526 *+61−57* (1975Ka13).
1114.49 *14*	1.30 *8*	1523.65	1$^+$	409.17	(2)$^+$	M1(+E2)	<0.4	0.0139 *6*	%Iγ=0.31 *4* α(K)=0.0114 *5*; α(L)=0.00191 *8*; α(M)=0.000447 *19* α(N)=0.000114 *5*; α(O)=2.34×10^{-5} *10*; α(P)=2.79×10^{-6} *12*; α(IPF)=4.82×10^{-7} *18* Mult.,δ: K:L=0.58 *4*: 0.103 *22*; α(K)exp=0.0124 *13* (1975Ka13).
1190.92 *14*	2.08 *8*	1600.20	(1)$^+$	409.17	(2)$^+$	E2		0.00501 *7*	%Iγ=0.49 *6* α(K)=0.00403 *6*; α(L)=0.000747 *10*; α(M)=0.0001772 *25* α(N)=4.52×10^{-5} *6*; α(O)=9.11×10^{-6} *13*; α(P)=1.035×10^{-6} *14*; α(IPF)=3.07×10^{-6} *4* Mult.: K:L:M:N=0.285 *15*: 0.042 *4*: 0.014 *4*; α(K)exp=0.00396 *34* (1975Ka13).
1194.57[#] *5*	0.18 *4*	1265.31	(2)$^+$	70.744	3$^+$	M1(+E2)		0.009 *4*	%Iγ=0.043 *11*

From ENSDF

$^{206}_{83}Bi_{123}$-11

^{206}Po ε+β$^+$ decay 1975Ka13,1975Ka14,1976Ja02 (continued)

γ(^{206}Bi) (continued)

E_γ [†]	I_γ [†a]	E_i(level)	J_i^π	E_f	J_f^π	Mult. [@]	α [&]	Comments
								α(K)=0.0070 *30*; α(L)=0.0012 *5*; α(M)=2.8×10^{-4} *11* α(N)=7.2×10^{-5} *27*; α(O)=1.5×10^{-5} *6*; α(P)=1.7×10^{-6} *7*; α(IPF)=4.7×10^{-6} *14*
1318.68 *13*	2.86 *11*	1389.48	1$^+$	70.744	3$^+$	E2	0.00415 *6*	E_γ: From adopted gammas. Mult.: α(K)exp=0.017 *+8−5* (1975Ka13). %Iγ=0.68 *8* α(K)=0.00335 *5*; α(L)=0.000601 *8*; α(M)=0.0001420 *20* α(N)=3.62×10^{-5} *5*; α(O)=7.32×10^{-6} *10*; α(P)=8.39×10^{-7} *12*; α(IPF)=1.840×10^{-5} *26*
1452.74 *15*	0.256 *15*	1523.65	1$^+$	70.744	3$^+$	E2	0.00350 *5*	Mult.: K:L=0.328 *23*: 0.065 *6*; α(K)exp=0.00331 *+42−38* (1975Ka13). %Iγ=0.061 *8* α(K)=0.00281 *4*; α(L)=0.000491 *7*; α(M)=0.0001157 *16* α(N)=2.95×10^{-5} *4*; α(O)=5.98×10^{-6} *8*; α(P)=6.91×10^{-7} *10*; α(IPF)=4.93×10^{-5} *7*
1496.90 *18*	1.11 *4*	1567.67	1$^+$	70.744	3$^+$	E2	0.00333 *5*	Mult.: α(K)exp=0.00316 *+77−69* (1975Ka13). %Iγ=0.264 *31* α(K)=0.00266 *4*; α(L)=0.000462 *6*; α(M)=0.0001088 *15* α(N)=2.77×10^{-5} *4*; α(O)=5.62×10^{-6} *8*; α(P)=6.51×10^{-7} *9*; α(IPF)=6.21×10^{-5} *9* Mult.: α(K)exp=0.00204 *+42−22* (1975Ka13).
[x]1566.40 *18*								
[x]1571.02 *16*								

† From 1975Ka13, unless otherwise stated. Eγ were determined in 1975Ka13 from the ce data, except as noted.
‡ From γ-ray data in 1975Ka13.
# Placement in the level scheme is not certain.
@ Determined from measured sub-shell ce ratios and α(K)exp values in 1975Ka13, unless otherwise stated. δ were obtained using the briccmixing code.
& Additional information 2.
a For absolute intensity per 100 decays, multiply by 0.237 *27*.
x γ ray not placed in level scheme.

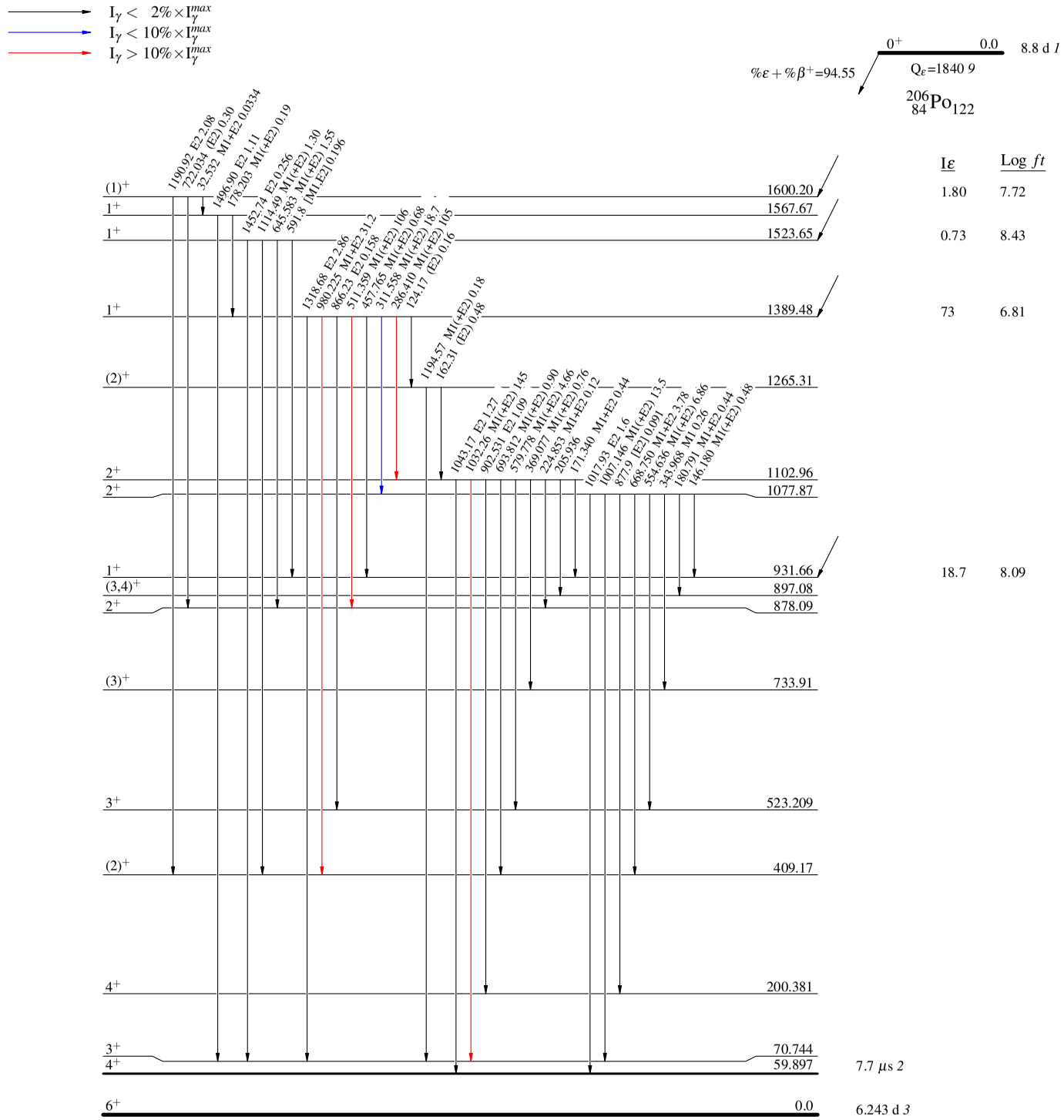
From ENSDF

$^{206}_{83}Bi_{123}$-12

^{206}Po ε+β$^+$ decay 1975Ka13,1975Ka14,1976Ja02

Decay Scheme

Intensities: Relative I_γ

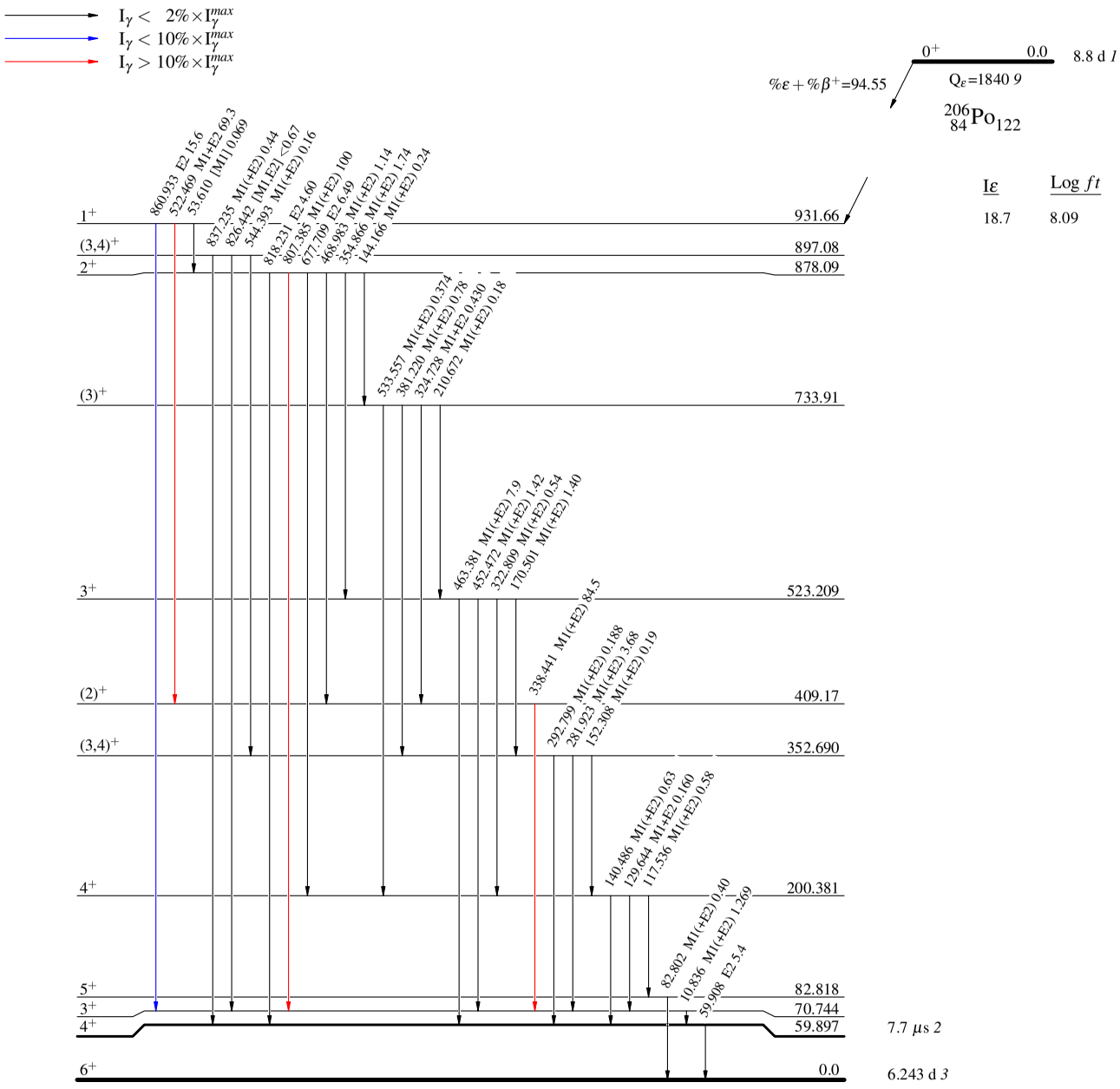


$^{206}_{83}Bi_{123}$

^{206}Po $\varepsilon+\beta^+$ decay 1975Ka13,1975Ka14,1976Ja02

Decay Scheme (continued)

Intensities: Relative I_γ



$^{206}_{83}Bi_{123}$