$^{194}_{80}$Hg

Δ: –32247 *23* **S_n:** 9250 *30* **S_p:** 6125 *25*
Q_{EC}: 40 *20* **Q_α:** 2653 *24*

Nuclear Bands

A α=1
B SD-1 band
(96Kr13,94Ce04,90Ri05)(90Be11,90St12)
C α=0
D SD-2 band
(96Kr13,94Ce04)(90Ri05,90Be11)
E SD-3 band
(96Kr13,94Ce04)(90Ri05,90Be11)
F GS band α==0
G α=0
H α=0
I α=0
J α=1
K α=0
L α=0
M $\nu i_{13/2}{}^2 \pi h_{11/2}{}^2$
N Band Structure
O Band Structure

Levels and γ-ray branchings:

F **0**, 0^+, 444 *77* y, %EC=100

F **428.0** *2*, 2^+ γ_{0}***428.0*** *2* (†$_\gamma$100) E2

F **1064.5** *3*, 4^+ γ_{428}***636.5*** *2* (†$_\gamma$100) E2

1073.2 *3*, $(2)^+$ γ_{428}***645.20*** *25* (†$_\gamma$100 *25*)
E2(+M1): δ>1 γ_{0}***1073.3*** *5* (†$_\gamma$33 *12*)

1468.5 *4*, $(3)^+$ γ_{1073}***395.5*** *5* (†$_\gamma$40 *8*)
M1(+E2): δ<1 γ_{1065}***403.9*** *7* (†$_\gamma$48 *10*)
M1(+E2): δ<1 γ_{428}***1040.3*** *5* (†$_\gamma$100 *30*)

1500, 0^+

F **1799.3** *3*, 6^+ γ_{1065}***734.8*** *2* (†$_\gamma$100) E2

A **1813.4** *3*, 5^-, <0.15 ns γ_{1065}***748.9*** *2*
(†$_\gamma$100) E1

A **1910.3** *3*, 7^-, 3.75 *11* ns γ_{1813}***96.95*** *8*
(†$_\gamma$100 *10*) E2 γ_{1799}***110.98*** *8* (†$_\gamma$78 *8*)

C **2138.2** *4*, 8^-, 0.91 *3* ns γ_{1910}***227.9*** *2*
(†$_\gamma$100) E2+M1: δ=1.2 $^{+8}_{-4}$

A **2143.3** *4*, 9^-, 0.29 *5* ns γ_{1910}***232.9*** *2*
(†$_\gamma$100) E2

2165.7 *4*, 6^- γ_{1910}***255.4*** *1* (†$_\gamma$100 *17*)
M1(+E2): δ<1 γ_{1813}***352.20*** *25* (†$_\gamma$18 *3*)
M1+E2: δ=1.0 *5*

2179.8 *4*, 5^-,6^- γ_{1813}***366.5*** *2* (†$_\gamma$100 *17*)
M1(+E2): δ<1 γ_{1799}***380.5*** *3* (†$_\gamma$78 *13*)

2259.9 *8* (?), 4^-,5^-,6^- γ_{1813}***446.5*** *7*
(†$_\gamma$100) M1(+E2): δ<1

2264.6 *4*, 5^-,6^- γ_{2166}***98.9*** *1* (†$_\gamma$12 *5*)
γ_{1813}***451.0*** *7* (†$_\gamma$100 *23*)
M1+E2: δ=1.0 *5*

G **2364.2** *4*, (8^+) γ_{1799}***565.0*** *2* (†$_\gamma$100) Q

2374.6 *4*, 6^-,7^-,8^- γ_{2166}***208.90*** *18*
(†$_\gamma$100 *25*) E2 γ_{1910}***464.5*** *7* (†$_\gamma$38 *13*)
M1(+E2): δ<1

G **2423.6** *4*, (10^+), 2.9 *5* ns γ_{2364}***59.5*** *2*
(†$_\gamma$1.5 *2*) E2 γ_{2143}***280.2*** *2* (†$_\gamma$100 *5*)
(E1)

2463.7 *4*, 6^- γ_{2180}***284.0*** *2* (†$_\gamma$27 *5*)
M1(+E2): δ<1 γ_{2166}***298.1*** *2* (†$_\gamma$30 *3*)
E2(+M1): δ>1.5 γ_{1910}***553.2*** *3* (†$_\gamma$67 *17*)
M1 γ_{1813}***650.3*** *3* (†$_\gamma$100 *22*)
M1+E2: δ=1.0 *5* γ_{1799}***664.2*** *7* (†$_\gamma$17 *5*)

G **2475.6** *5*, (12^+), 8.1 *5* ns, g=0.24 *4*
γ_{2424}***52.0*** *4* (†$_\gamma$100) E2

C **2561.9** *4*, (10^-) γ_{2143}***418.5*** *3* (†$_\gamma$28 *6*)
γ_{2138}***423.8*** *2* (†$_\gamma$100 *6*) Q

A **2687.9** *4*, (11^-) γ_{2143}***544.6*** *2* (†$_\gamma$100) Q

G **2888.5** *5*, (14^+) γ_{2476}***412.9*** *2* (†$_\gamma$100) Q

C **3173.1** *5*, (12^-) γ_{2688}***485.2*** *4*
γ_{2562}***611.2*** *4*

A **3394.1** *4*, (13^-) γ_{2688}***706.2*** *2* (†$_\gamma$100) Q

G **3531.7** *5*, (16^+) γ_{2889}***643.1*** *2* (†$_\gamma$100) Q

K **3747.8** *5*, (14^-) γ_{3394}***353.6*** *4* (†$_\gamma$2.6 *13*)
γ_{3173}***574.7*** *2* (†$_\gamma$100 *9*) Q

3820.5 *5*, (15^-) γ_{2889}***932.0*** *2* (†$_\gamma$100)

J **3879.3** *5*, (15^-) γ_{3394}***485.2*** *4* (†$_\gamma$100)

K **3984.1** *5*, (16^-), <0.50 ns γ_{3748}***236.3*** *4*
(†$_\gamma$100)

M **4005.1** *6*, (15^-) γ_{2889}***1116.6*** *8* (†$_\gamma$100)

L **4015.2** *5*, (14^+) γ_{3748}***267.3*** *4* (†$_\gamma$100 *50*)
γ_{3394}***621.3*** *4* γ_{2889}***1126.5*** *4* (†$_\gamma$67 *34*)

J **4114.8** *5*, (17^-) γ_{3984}***130.8*** *4*
γ_{3879}***235.5*** *2* γ_{3532}***583.1*** *4*

G **4275.3** *5*, (18^+) γ_{3532}***743.6*** *2* (†$_\gamma$100) Q

K **4290.1** *5*, (18^-) γ_{3984}***305.9*** *2* (†$_\gamma$100) Q

L **4317.8** *5*, (16^+) γ_{4015}***302.5*** *4*
γ_{3984}***333.6*** *4* (?)

4491.7 *6*, (17^-) γ_{3821}***671.4*** *4* (†$_\gamma$100)

J **4498.0** *5*, (19^-) γ_{4290}***208.0*** *4* (†$_\gamma$100 *20*)
γ_{4115}***383.1*** *2* (†$_\gamma$<320)

M **4521.3** *5*, (17^-) γ_{4005}***516.2*** *4*
γ_{3821}***701.0*** *4* (†$_\gamma$40 *15*) γ_{3532}***989.6*** *4*
(†$_\gamma$100 *40*)

L **4797.8** *6*, (18^+) γ_{4318}***480.0*** *4*
γ_{4290}***507.5*** *4*

K **4896.9** *7*, (20^-) γ_{4290}***606.8*** *4* (†$_\gamma$100)

H **4985.7** *5*, (20^+) γ_{4275}***710.4*** *2* (†$_\gamma$100) Q

M **5103.7** *5*, (19^-) γ_{4521}***582.5*** *2* (†$_\gamma$100 *4*)
γ_{4492}***612.1*** *4* γ_{4275}***828.4*** *4* (†$_\gamma$20 *2*)

J **5163.8** *5*, (21^-) γ_{4498}***665.9*** *2* (†$_\gamma$100) Q

5266.2 *6*, (20^+) γ_{4275}***990.8*** *4* (†$_\gamma$100)

5391.9 *6* γ_{4275}***1116.5*** *4* (†$_\gamma$100)

5493.8 *5* γ_{4498}***995.8*** *2* (†$_\gamma$100)

L **5523.4** *6*, (20^+) γ_{4798}***725.2*** *4* (†$_\gamma$100)

H **5578.4** *5*, (22^+) γ_{4986}***592.7*** *2* (†$_\gamma$100) Q

M **5610.4** *6*, (21⁻) γ_{5104}***506.7*** *2* (†$_\gamma$100 *4*) Q
γ_{4986}***625.1*** *8* (†$_\gamma$19 *1*)

K **5700.5** *7*, (22⁻) γ_{4897}***803.6*** *3* (†$_\gamma$100)
6013.4 *6* γ_{4986}***1027.6*** *4* (†$_\gamma$100)
6032.8 *5*, (22⁺) γ_{5578}***454.7*** *4* (†$_\gamma$52.7 *14*)
γ_{5494}***538.9*** *4* (†$_\gamma$32.4 *14*) γ_{5392}***640.8*** *4* (†$_\gamma$47.3 *14*) γ_{5266}***766.4*** *10* (?) (†$_\gamma$<7)
γ_{5164}***869.1*** *2* (†$_\gamma$100 *4*) γ_{4986}***1047.0*** *4* (†$_\gamma$32.4 *14*)

J **6049.8** *6*, (23⁻) γ_{5164}***886.0*** *2* (†$_\gamma$100)

M **6120.3** *6*, (23⁻) γ_{5610}***510.1*** *2* (†$_\gamma$100 *4*)
γ_{5578}***541.8*** *4* (†$_\gamma$29 *3*)
6256.6 *7* γ_{5578}***678.2*** *4* (†$_\gamma$100)

L **6350.0** *8* (?), (22⁺) γ_{5523}***826.6*** *4* (†$_\gamma$100)

H **6410.8** *6*, (24⁺) γ_{5578}***832.5*** *2* (†$_\gamma$100)

B **6417.3** *8* (?), (8⁺)
6455.2 *8* γ_{6013}***441.5*** *8* (†$_\gamma$100)

B **6629.1** *5*, (10⁺) γ_{6417}***211.7*** (?) (†$_\gamma$0.03)
$I^{(1)}$*=85.9,* $I^{(2)}$*=94.7,* $\hbar\omega$*=0.116*
γ_{2143}***4485.3*** *5* (†$_\gamma$0.015) D

K **6645.7** *8*, (24⁻) γ_{5701}***945.2*** *4* (†$_\gamma$100)

I **6675.7** *7* (?), (22⁺) γ_{5523}***1152.0*** *4* (?) (†$_\gamma$100)
6777.1 *8* γ_{6013}***763.6*** *8* (†$_\gamma$100)
6790.6 *6*, (20⁺) γ_{6455}***335.3*** *8* (†$_\gamma$13 *1*)
γ_{6033}***757.8*** *2* (†$_\gamma$100 *4*)

M **6815.7** *6*, (25⁻) γ_{6120}***695.3*** *2* (†$_\gamma$100)

I **6834.0** *6*, (24⁺) γ_{6676}***158.0*** *4* (†$_\gamma$57 *29*)
γ_{6120}***713.9*** *4* (†$_\gamma$100 *40*)

B **6883.0** *5*, (12⁺), 1.9 *7* ps γ_{6629}***253.93*** *4* (†$_\gamma$0.58 *3*) $I^{(1)}$*=87.3,* $I^{(2)}$*=95.1,* $\hbar\omega$*=0.137* γ_{3394}***3489.3*** *5* (†$_\gamma$0.014) D
γ_{3173}***3709.6*** (?) (†$_\gamma$0.007) D
γ_{2688}***4195.2*** *5* (†$_\gamma$0.012) D

J **6941.6** *7*, (25⁻) γ_{6050}***891.8*** *4* (†$_\gamma$100)

I **6989.2** *6*, (26⁺) γ_{6834}***155.1*** *4* (†$_\gamma$71 *30*)
γ_{6411}***578.4*** *4* (†$_\gamma$100 *41*)

B **7179.0** *5*, (14⁺), 2.3 *4* ps γ_{6883}***295.99*** *3* (†$_\gamma$0.97 *3*) $I^{(1)}$*=88.4,* $I^{(2)}$*=97.1,* $\hbar\omega$*=0.158*
7263.0 *6* γ_{6791}***472.3*** *4* (†$_\gamma$100 *4*)
γ_{6455}***807.4*** *10* (†$_\gamma$26 *4*)

I **7303.9** *8*, (28⁺) γ_{6989}***314.7*** *4* (†$_\gamma$100)

B **7516.2** *5*, (16⁺), 1.0 *3* ps γ_{7179}***337.18*** *3* (†$_\gamma$0.95 *3*) $I^{(1)}$*=89.6,* $I^{(2)}$*=99.5,* $\hbar\omega$*=0.179*
7555.5 *6*, (27⁻) γ_{6816}***739.8*** *2* (†$_\gamma$100)

O **7582.1** *6*, (26) γ_{7263}***319.1*** *4* (†$_\gamma$33 *1*)
γ_{6791}***791.5*** *2* (†$_\gamma$100 *4*) γ_{6777}***804.8*** *8* (†$_\gamma$13 *1*)
7588.1 *7*, (27⁻) γ_{6816}***772.6*** *4* (†$_\gamma$100)

J **7768.2** *8* (?), (27) γ_{6942}***826.6*** *4* (?) (†$_\gamma$100)

I **7784.2** *9*, (30⁺) γ_{7304}***480.3*** *4* (†$_\gamma$100)

B **7893.6** *5*, (18⁺) γ_{7516}***377.39*** *3* (†$_\gamma$0.97 *3*) $I^{(1)}$*=90.7,* $I^{(2)}$*=102.0,* $\hbar\omega$*=0.198*

O **7941.8** *6*, (27) γ_{7582}***359.8*** *2* (†$_\gamma$100 *3*)
γ_{7263}***678.7*** *2* (†$_\gamma$48 *2*)

O **8287.2** *6*, (28) γ_{7942}***345.4*** *2* (†$_\gamma$100)

B **8310.2** *5*, (20⁺) γ_{7894}***416.60*** *3* (†$_\gamma$1.00 *3*) $I^{(1)}$*=91.8,* $I^{(2)}$*=104.8,* $\hbar\omega$*=0.218*
8561.5 *7*, (29) γ_{7588}***973.6*** *4* (†$_\gamma$53 *4*)
γ_{7556}***1006.0*** *2* (†$_\gamma$100 *9*)

O **8664.8** *6*, (29) γ_{8287}***377.6*** *4* (†$_\gamma$100 *3*)
γ_{7942}***723.0*** *2* (†$_\gamma$43 *2*)

B **8765.0** *5*, (22⁺), 0.27 *6* ps γ_{8310}***454.76*** *3* (†$_\gamma$0.99 *3*) $I^{(1)}$*=93.0,* $I^{(2)}$*=107.8,* $\hbar\omega$*=0.237*

O **9068.3** *7*, (30) γ_{8665}***403.5*** *2* (†$_\gamma$100 *7*)
γ_{8287}***781.0*** *4* (†$_\gamma$62 *2*)

B **9256.8** *5*, (24⁺), 0.166 *22* ps
γ_{8765}***491.86*** *5* (†$_\gamma$1.01 *3*) $I^{(1)}$*=94.1,* $I^{(2)}$*=111.0,* $\hbar\omega$*=0.255*

O **9500.4** *7*, (31) γ_{9068}***432.1*** *4* γ_{8665}***835.7*** *4*
9564.7 *8*, (31) γ_{8562}***1003.2*** *4* (†$_\gamma$100)
9591.3 *9*, (31) γ_{8562}***1029.7*** *8* (†$_\gamma$100)

B **9784.7** *5*, (26⁺), 0.120 *25* ps
γ_{9257}***527.88*** *3* (†$_\gamma$1.00 *3*) $I^{(1)}$*=95.3,* $I^{(2)}$*=114.2,* $\hbar\omega$*=0.273*

N **9881.7** *8*, (32) γ_{9591}***290.4*** *8* (†$_\gamma$50 *3*)
γ_{9565}***317.0*** *4* (†$_\gamma$100 *3*)

O **9933.1** *9*, (32) γ_{9500}***432.6*** *8* γ_{9068}***864.8*** *8*

N **10225.4** *9*, (33) γ_{9882}***343.6*** *4* (†$_\gamma$100)

B **10347.6** *5*, (28⁺), 0.114 *39* ps
γ_{9785}***562.92*** *3* (†$_\gamma$0.94 *3*) $I^{(1)}$*=96.6,* $I^{(2)}$*=117.8,* $\hbar\omega$*=0.290*

N **10603.3** *10*, (34) γ_{10225}***377.9*** *4* (†$_\gamma$100 *5*)
γ_{9882}***721.7*** *8* (†$_\gamma$55 *5*)

B **10944.5** *5*, (30⁺), 0.078 *17* ps
γ_{10348}***596.87*** *5* (†$_\gamma$0.89 *3*) $I^{(1)}$*=97.8,* $I^{(2)}$*=121.0,* $\hbar\omega$*=0.307*

N **11012.3** *10*, (35) γ_{10603}***409.1*** *8* (†$_\gamma$55 *5*)
γ_{10225}***786.8*** *4* (†$_\gamma$100 *5*)

B **11574.4** *5*, (32⁺), 0.060 *21* ps
γ_{10945}***629.93*** *3* (†$_\gamma$0.87 *3*) $I^{(1)}$*=99.1,* $I^{(2)}$*=124.5,* $\hbar\omega$*=0.323*

B **12236.5** *5*, (34⁺), 0.042 *13* ps
γ_{11574}***662.07*** *4* (†$_\gamma$0.82 *3*) $I^{(1)}$*=100.3,* $I^{(2)}$*=127.7,* $\hbar\omega$*=0.339*

B **12929.9** *5*, (36⁺), 0.026 *11* ps
γ_{12237}***693.40*** *4* (†$_\gamma$0.76 *3*) $I^{(1)}$*=101.6,* $I^{(2)}$*=131.1,* $\hbar\omega$*=0.354*

B **13653.8** *5*, (38⁺) γ_{12930}***723.91*** *6*

($\dagger_\gamma$0.68 *3*) $I^{(1)}$=*102.9*, $I^{(2)}$=*133.3*, $\hbar\omega$=*0.369*

B **14407.7** *5*, (40$^+$) γ_{13654}***753.92*** *6* ($\dagger_\gamma$0.56 *3*) $I^{(1)}$=*104.1*, $I^{(2)}$=*134.5*, $\hbar\omega$=*0.384*

B **15191.4** *5*, (42$^+$) γ_{14408}***783.67*** *8* ($\dagger_\gamma$0.48 *3*) $I^{(1)}$=*105.2*, $I^{(2)}$=*135.8*, $\hbar\omega$=*0.399*

B **16004.5** *5*, (44$^+$) γ_{15191}***813.12*** *3* ($\dagger_\gamma$0.33 *3*) $I^{(1)}$=*106.3*, $I^{(2)}$=*135.9*, $\hbar\omega$=*0.414*

B **16847.1** *5*, (46$^+$) γ_{16005}***842.55*** *6* ($\dagger_\gamma$0.19 *3*) $I^{(1)}$=*107.3*, $I^{(2)}$=*134.0*, $\hbar\omega$=*0.429*

B **17719.5** *5*, (48$^+$) γ_{16847}***872.41*** *13* ($\dagger_\gamma$0.10 *3*) $I^{(1)}$=*108.1*, $I^{(2)}$=*130.3*, $\hbar\omega$=*0.444*

B **18622.6** *5*, (50$^+$) γ_{17720}***903.10*** *18* ($\dagger_\gamma$0.05 *3*)

D **x**, J≈(8)

D **200.79+x** *6*, J+2 γ_x***200.79*** *6* ($\dagger_\gamma$0.36 *5*) $I^{(2)}$=*96.5*, $\hbar\omega$=*0.111*

D **443.04+x** *9*, J+4 γ_{201+x}***242.25*** *6* ($\dagger_\gamma$0.75 *5*) $I^{(2)}$=*97.8*, $\hbar\omega$=*0.131*

D **726.18+x** *10*, J+6 γ_{443+x}***283.14*** *6* ($\dagger_\gamma$1.00 *5*) $I^{(2)}$=*99.2*, $\hbar\omega$=*0.152*

D **1049.63+x** *12*, J+8 γ_{726+x}***323.45*** *6* ($\dagger_\gamma$0.97 *5*) $I^{(2)}$=*100.8*, $\hbar\omega$=*0.172*

D **1412.75+x** *13*, J+10 γ_{1050+x}***363.12*** *6* ($\dagger_\gamma$1.00 *5*) $I^{(2)}$=*102.7*, $\hbar\omega$=*0.191*

D **1814.80+x** *15*, J+12 γ_{1413+x}***402.05*** *6* ($\dagger_\gamma$1.00 *5*) $I^{(2)}$=*104.5*, $\hbar\omega$=*0.211*

D **2255.11+x** *16*, J+14, 0.27 *9* ps γ_{1815+x}***440.31*** *6* ($\dagger_\gamma$1.02 *5*) $I^{(2)}$=*107.0*, $\hbar\omega$=*0.229*

D **2732.79+x** *17*, J+16, 0.20 *5* ps γ_{2255+x}***477.68*** *6* ($\dagger_\gamma$1.01 *5*) $I^{(2)}$=*109.4*, $\hbar\omega$=*0.248*

D **3247.02+x** *18*, J+18, 0.13 *5* ps γ_{2733+x}***514.23*** *6* ($\dagger_\gamma$1.00 *5*) $I^{(2)}$=*112.0*, $\hbar\omega$=*0.266*

D **3796.95+x** *19*, J+20, 0.100 *33* ps γ_{3247+x}***549.93*** *6* ($\dagger_\gamma$1.02 *5*) $I^{(2)}$=*114.6*, $\hbar\omega$=*0.284*

D **4381.77+x** *20*, J+22, 0.089 *19* ps γ_{3797+x}***584.82*** *6* ($\dagger_\gamma$0.99 *5*) $I^{(2)}$=*117.2*, $\hbar\omega$=*0.301*

D **5000.73+x** *21*, J+24, 0.065 *28* ps γ_{4382+x}***618.96*** *6* ($\dagger_\gamma$0.89 *5*) $I^{(2)}$=*121.0*, $\hbar\omega$=*0.318*

D **5652.76+x** *22*, J+26 γ_{5001+x}***652.03*** *6* ($\dagger_\gamma$0.86 *5*) $I^{(2)}$=*122.9*, $\hbar\omega$=*0.334*

D **6337.33+x** *23*, J+28 γ_{5653+x}***684.57*** *7* ($\dagger_\gamma$0.84 *5*) $I^{(2)}$=*126.5*, $\hbar\omega$=*0.350*

D **7053.53+x** *24*, J+30 γ_{6337+x}***716.20*** *6* ($\dagger_\gamma$0.71 *5*) $I^{(2)}$=*130.3*, $\hbar\omega$=*0.366*

D **7800.4+x** *3*, J+32 γ_{7054+x}***746.89*** *19* ($\dagger_\gamma$0.54 *5*) $I^{(2)}$=*129.7*, $\hbar\omega$=*0.381*

D **8578.2+x** *3*, J+34 γ_{7800+x}***777.73*** *6* ($\dagger_\gamma$0.44 *5*) $I^{(2)}$=*133.2*, $\hbar\omega$=*0.396*

D **9385.9+x** *3*, J+36 γ_{8578+x}***807.76*** *8* ($\dagger_\gamma$0.35 *5*) $I^{(2)}$=*134.6*, $\hbar\omega$=*0.411*

D **10223.4+x** *3*, J+38 γ_{9386+x}***837.48*** *7* ($\dagger_\gamma$0.18 *5*) $I^{(2)}$=*135.1*, $\hbar\omega$=*0.426*

D **11090.5+x** *4*, J+40 $\gamma_{10223+x}$***867.08*** *24* ($\dagger_\gamma$0.08 *5*)

E **y**, J≈(11)

E **262.27+y** *6*, J+2 γ_y***262.27*** *6* ($\dagger_\gamma$0.76 *5*) $I^{(2)}$=*99.0*, $\hbar\omega$=*0.141*

E **564.95+y** *9*, J+4 γ_{262+y}***302.68*** *6* ($\dagger_\gamma$0.90 *5*) $I^{(2)}$=*100.5*, $\hbar\omega$=*0.161*

E **907.45+y** *10*, J+6 γ_{565+y}***342.50*** *6* ($\dagger_\gamma$0.90 *5*) $I^{(2)}$=*102.1*, $\hbar\omega$=*0.181*

E **1289.13+y** *12*, J+8 γ_{907+y}***381.68*** *6* ($\dagger_\gamma$0.97 *5*) $I^{(2)}$=*104.2*, $\hbar\omega$=*0.200*

E **1709.21+y** *13*, J+10 γ_{1289+y}***420.08*** *6* ($\dagger_\gamma$1.00 *5*) $I^{(2)}$=*106.1*, $\hbar\omega$=*0.219*

E **2167.00+y** *15*, J+12 γ_{1709+y}***457.79*** *6* ($\dagger_\gamma$0.99 *5*) $I^{(2)}$=*108.2*, $\hbar\omega$=*0.238*

E **2661.77+y** *16*, J+14 γ_{2167+y}***494.77*** *6* ($\dagger_\gamma$1.02 *5*) $I^{(2)}$=*110.4*, $\hbar\omega$=*0.256*

E **3192.78+y** *17*, J+16 γ_{2662+y}***531.01*** *7* ($\dagger_\gamma$1.04 *5*) $I^{(2)}$=*113.5*, $\hbar\omega$=*0.274*

E **3759.04+y** *18*, J+18 γ_{3193+y}***566.26*** *6* ($\dagger_\gamma$1.05 *5*) $I^{(2)}$=*115.4*, $\hbar\omega$=*0.292*

E **4359.96+y** *19*, J+20 γ_{3759+y}***600.92*** *6* ($\dagger_\gamma$0.95 *5*) $I^{(2)}$=*118.8*, $\hbar\omega$=*0.309*

E **4994.56+y** *22*, J+22 γ_{4360+y}***634.60*** *11* ($\dagger_\gamma$0.91 *5*) $I^{(2)}$=*120.3*, $\hbar\omega$=*0.326*

E **5662.40+y** *23*, J+24 γ_{4995+y}***667.84*** *7* ($\dagger_\gamma$0.89 *5*) $I^{(2)}$=*124.0*, $\hbar\omega$=*0.342*

E **6362.51+y** *24*, J+26 γ_{5662+y}***700.11*** *6* ($\dagger_\gamma$0.86 *5*) $I^{(2)}$=*126.6*, $\hbar\omega$=*0.358*

E **7094.2+y** *3*, J+28 γ_{6363+y}***731.70*** *17* ($\dagger_\gamma$0.72 *5*) $I^{(2)}$=*128.7*, $\hbar\omega$=*0.374*

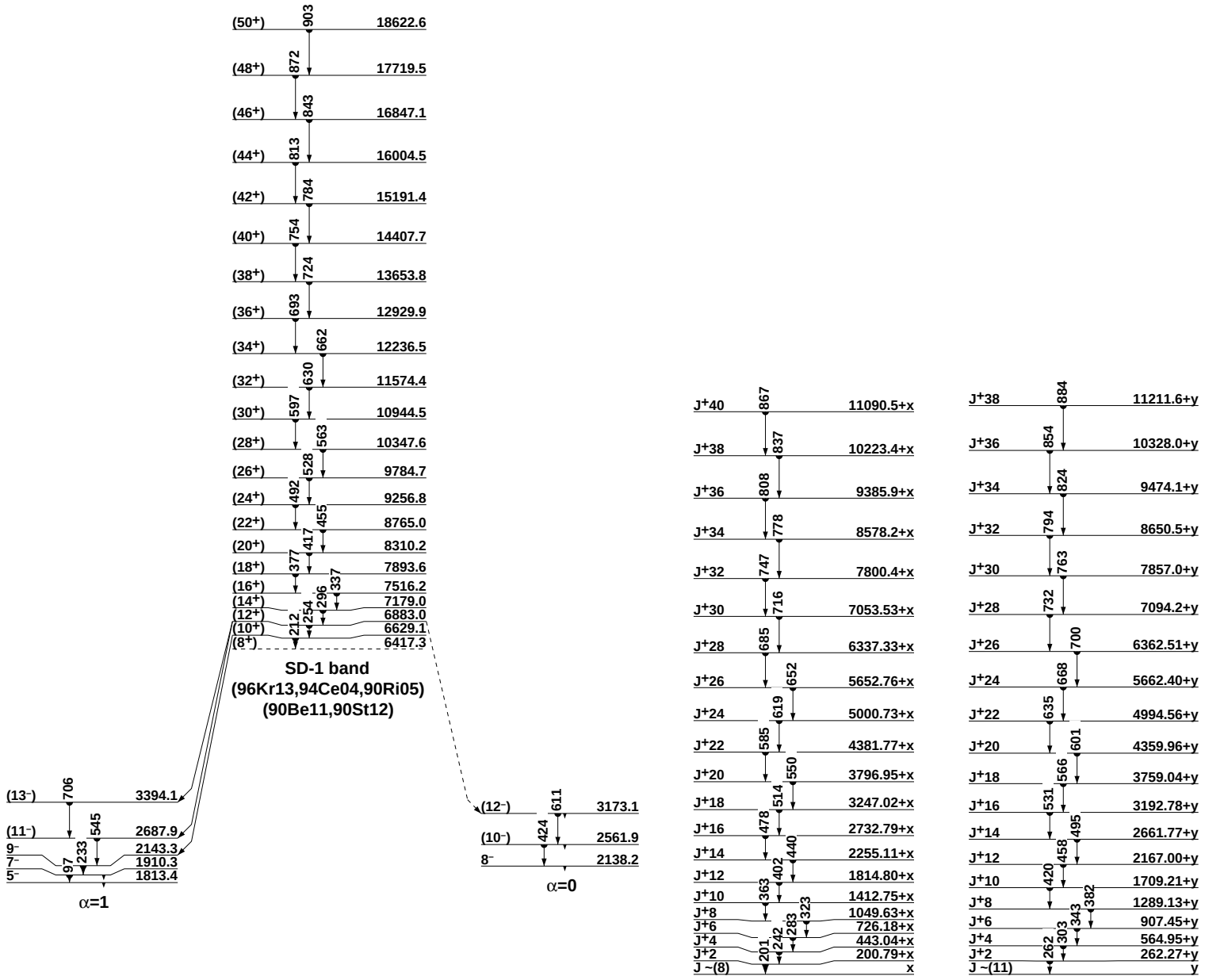
E **7857.0+y** *3*, J+30 γ_{7094+y}***762.77*** *6* ($\dagger_\gamma$0.61 *5*) $I^{(2)}$=*130.1*, $\hbar\omega$=*0.389*

E **8650.5+y** *3*, J+32 γ_{7857+y}***793.51*** *6* ($\dagger_\gamma$0.48 *5*) $I^{(2)}$=*132.7*, $\hbar\omega$=*0.404*

E **9474.1+y** *3*, J+34 γ_{8651+y}***823.65*** *13* ($\dagger_\gamma$0.30 *5*) $I^{(2)}$=*132.5*, $\hbar\omega$=*0.419*

E **10328.0+y** *4*, J+36 γ_{9474+y}***853.85*** *12* ($\dagger_\gamma$0.13 *5*) $I^{(2)}$=*134.5*, $\hbar\omega$=*0.434*

E **11211.6+y** *4*, J+38 $\gamma_{10328+y}$ ***883.60*** *22*
($\dagger_{\gamma}$0.09 *5*)


(50+) 903 18622.6
(48+) 872 17719.5
(46+) 843 16847.1
(44+) 813 16004.5
(42+) 784 15191.4
(40+) 754 14407.7
(38+) 724 13653.8
(36+) 693 12929.9
(34+) 662 12236.5
(32+) 630 11574.4
(30+) 597 10944.5
(28+) 563 10347.6
(26+) 528 9784.7
(24+) 492 9256.8
(22+) 455 8765.0
(20+) 417 8310.2
(18+) 377 7893.6
(16+) 337 7516.2
(14+) 296 7179.0
(12+) 254 6883.0
(10+) 212 6629.1
(8+) 6417.3
SD-1 band
(96Kr13,94Ce04,90Ri05)
(90Be11,90St12)
(13−) 706 3394.1
(11−) 545 2687.9
9− 233 2143.3
7− 97 1910.3
5− 1813.4
α=1
(12−) 611 3173.1
(10−) 424 2561.9
8− 2138.2
α=0
J+40 867 11090.5+x
J+38 837 10223.4+x
J+36 808 9385.9+x
J+34 778 8578.2+x
J+32 747 7800.4+x
J+30 716 7053.53+x
J+28 685 6337.33+x
J+26 652 5652.76+x
J+24 619 5000.73+x
J+22 585 4381.77+x
J+20 550 3796.95+x
J+18 514 3247.02+x
J+16 478 2732.79+x
J+14 440 2255.11+x
J+12 402 1814.80+x
J+10 363 1412.75+x
J+8 323 1049.63+x
J+6 283 726.18+x
J+4 242 443.04+x
J+2 201 200.79+x
J ~(8) x
SD-2 band
(96Kr13,94Ce04)
(90Ri05,90Be11)
J+38 884 11211.6+y
J+36 854 10328.0+y
J+34 824 9474.1+y
J+32 794 8650.5+y
J+30 763 7857.0+y
J+28 732 7094.2+y
J+26 700 6362.51+y
J+24 668 5662.40+y
J+22 635 4994.56+y
J+20 601 4359.96+y
J+18 566 3759.04+y
J+16 531 3192.78+y
J+14 495 2661.77+y
J+12 458 2167.00+y
J+10 420 1709.21+y
J+8 382 1289.13+y
J+6 343 907.45+y
J+4 303 564.95+y
J+2 262 262.27+y
J ~(11) y
SD-3 band
(96Kr13,94Ce04)
(90Ri05,90Be11)
194 80 Hg