$^{195}_{80}$Hg

Δ: –31080 *50* **S_n:** 6900 *60* **S_p:** 6080 *50*
Q_{EC}: 1510 *50* **Q_α:** 2190 *50*

Nuclear Bands

A $i_{13/2}$ α=+1/2.
B $i_{13/2}$ α=-1/2.
C α=+1/2.
D α=+1/2.
E α=+1/2.
F α=-1/2.
G α=-1/2.
H SD-1 band (97Ha01)
I SD-2 band (97Ha01)
J SD-3 band (97Ha01)
K SD-4 band (97Ha01)

Levels and γ-ray branchings:

0, 1/2⁻, 9.9 *5* h, μ=+0.5414749 *14*, %EC+%β⁺=100

37.085 *19*, 3/2⁻, <50 ps **γ_{0}*37.09*** *3* (†$_\gamma$100) M1+E2: δ=0.032 *5*

53.290 *20*, 5/2⁻, 0.72 *3* ns **γ_{37}*16.21*** *3* (†$_\gamma$100 *11*) M1+E2: δ=0.024 *6*
γ_{0}*53.29* *3* (†$_\gamma$5.1 *4*) E2

A **176.07** *4*, 13/2⁺, 41.6 *8* h, μ= –1.0446473 *26*, Q=+1.08 *11*, %IT=54.2 *20*, %EC+%β⁺=45.8 *20*
γ_{53}*122.78* *3* (†$_\gamma$100) M4

279.207 *24*, 3/2⁻ **γ_{53}*225.93*** *5* (†$_\gamma$29.6 *22*) M1+E2: δ=0.47 $^{+17}_{-20}$ **γ_{37}*242.15*** *5* (†$_\gamma$100 *8*) M1(+E2): δ=0.42 $^{+17}_{-22}$
γ_{0}*279.19* *5* (†$_\gamma$87 *6*) M1+E2: δ=1.53 *2*

300.57 *3*, 3/2⁻,5/2⁻ **γ_{279}*21.36*** *4*
γ_{53}*247.30* *5* (†$_\gamma$53.7 *35*) M1(+E2): δ=0.52 $^{+17}_{-19}$ **γ_{37}*263.51*** *10* (†$_\gamma$36.6 *22*) M1(+E2): δ=1.0 $^{+3}_{-2}$
γ_{0}*300.60* *5* (†$_\gamma$100 *7*) E2

373.34 *11*, (9/2⁺) **γ_{176}*197.10*** *10* (†$_\gamma$100) (E2)

410.31 *4*, 3/2⁻,5/2⁻,7/2⁻ **γ_{301}*109.78*** *10* (†$_\gamma$9 *6*) **γ_{279}*131.14*** *10* (†$_\gamma$25 *6*)
γ_{53}*356.99* *5* (†$_\gamma$77 *76*) M1
γ_{37}*373.24* *5* (†$_\gamma$100 *7*) (E2)

422.51 *10*, (1/2⁻ to 7/2⁻) **γ_{301}*122.0*** (?)
γ_{279}*143.4* (?) **γ_{53}*369.26*** *10* (†$_\gamma$100 *15*)
γ_{37}*385.5* (?)

A **546.90** *11*, 17/2⁺ **γ_{176}*371.0*** *1* (†$_\gamma$100) E2

595.48 *4*, (3/2)⁻ **γ_{423}*172.9*** (?)
γ_{410}*185.8* *5* (†$_\gamma$1.0 *8*) **γ_{301}*295.14*** *20* (†$_\gamma$5.4 *17*) **γ_{279}*316.27*** *10* (†$_\gamma$3.7 *17*)
γ_{53}*542.16* *5* (†$_\gamma$41.2 *33*) (E2+M1)
γ_{37}*558.38* *5* (†$_\gamma$100 *6*) M1 **γ_{0}*595.2*** (†$_\gamma$3.7 *12*)

600.63 *4*, 3/2⁻ **γ_{423}*178.1*** (?)
γ_{410}*190.4* (?) **γ_{301}*299.9*** (?)
γ_{279}*321.3* (†$_\gamma$0.51 *25*) **γ_{53}*547.34*** *5* (†$_\gamma$6.4 *4*) M1 **γ_{37}*563.52*** *5* (†$_\gamma$100 *5*) M1 **γ_{0}*600.64*** *10* (†$_\gamma$6.2 *9*)

764.54 *5*, 1/2⁻ **γ_{601}*163.9*** (?)
γ_{595}*169.2* (?) **γ_{301}*464.01*** *10* (†$_\gamma$14 *4*)
γ_{279}*485.38* *10* (†$_\gamma$54 *6*) (M1+E2)
γ_{53}*711.15* *10* (†$_\gamma$100 *7*) **γ_{37}*727.40*** *15* (†$_\gamma$80 *11*) (M1) **γ_{0}*764.52*** *10* (†$_\gamma$51 *6*) E0+M1

814.72 *4*, 1/2⁻,3/2⁻ **γ_{601}*214.1*** (?)
γ_{595}*219.3* (?) **γ_{423}*392.2*** (?)
γ_{410}*404.5* (?) **γ_{301}*514.1*** (?)
γ_{279}*535.5* (?) **γ_{53}*761.42*** *15* (†$_\gamma$8.9 *17*)
γ_{37}*777.68* *15* (†$_\gamma$59 *9*) **γ_{0}*814.68*** *5* (†$_\gamma$100 *5*) M1

847.32 *23*, (5/2⁺) **γ_{373}*471.7*** *4* (†$_\gamma$100)

848.7 *5*, (15/2⁺) **γ_{176}*672.6*** *5* (†$_\gamma$100)

874.88 *18*, (7/2⁺) **γ_{373}*501.48*** *15* (†$_\gamma$100)

893.12 *5*, 3/2⁻ **γ_{765}*128.6*** (?)
γ_{601}*292.5* (?) **γ_{595}*297.7*** (?)
γ_{423}*470.8* *4* (†$_\gamma$10 *5*) (E2) **γ_{410}*482.8*** (†$_\gamma$29 *4*) **γ_{301}*592.59*** *10* (†$_\gamma$100 *11*) M1
γ_{279}*613.88* *10* (†$_\gamma$60 *7*) M1
γ_{53}*839.9* (?) **γ_{37}*855.94*** *10* (†$_\gamma$24.8 *22*)
γ_{0}*893.06* *10* (†$_\gamma$75 *6*) M1

921.59 *4*, 1/2⁻,3/2⁻ **γ_{815}*107.0*** (?)
γ_{765}*157.1* (?) **γ_{601}*321.3*** (†$_\gamma$1.68 *53*)
γ_{595}*326.0* (†$_\gamma$1.5 *4*) **γ_{423}*499.0*** (?)
γ_{410}*511.4* (†$_\gamma$4.8 *16*) **γ_{301}*620.96*** *10* (†$_\gamma$2.2 *3*) (E2) **γ_{279}*642.60*** *20* (†$_\gamma$1.5 *3*)
γ_{53}*868.56* *30* (†$_\gamma$0.40 *21*) **γ_{37}*884.47*** *5* (†$_\gamma$100 *6*) M1 **γ_{0}*921.59*** *5* (†$_\gamma$22.5 *13*) M1

1004.56 *4*, 1/2⁻,3/2⁻ **γ_{893}*111.5*** (?)
γ_{815}*189.8* (?) **γ_{765}*240.0*** (?)
γ_{601}*403.86* *10* (†$_\gamma$5.4 *12*) **γ_{595}*408.8*** (†$_\gamma$7.6 *12*) M1 **γ_{423}*582.3*** *3* (†$_\gamma$5.3 *15*)
γ_{410}*595.2* (†$_\gamma$10.4 *15*) **γ_{301}*704.03*** *15* (†$_\gamma$8.7 *10*) **γ_{279}*725.27*** *15* (†$_\gamma$29 *4*) M1
γ_{53}*951.39* *30* (†$_\gamma$8.3 *25*) **γ_{37}*967.46*** *5* (†$_\gamma$100 *6*) M1 **γ_{0}*1004.54*** *10* (†$_\gamma$7.1 *10*)

1067.21 *7*, (3/2⁻,5/2⁻) **γ_{410}*657.11*** *25* (†$_\gamma$42 *13*) **γ_{279}*788.06*** *15* (†$_\gamma$23 *5*)
γ_{53}*1013.82* *20* (†$_\gamma$11 *7*) **γ_{0}*1067.16*** *10* (†$_\gamma$100 *10*)

1140.33 *9*, 1/2⁻,3/2,5/2⁻ **γ_{815}*326.0*** (†$_\gamma$4 *3*) **γ_{595}*544.0*** (†$_\gamma$3.3 *20*)
γ_{279}*861.13* *15* (†$_\gamma$28 *4*) **γ_{53}*1086.90*** *20* (†$_\gamma$11 *3*) **γ_{37}*1102.93*** *30* (†$_\gamma$25 *12*)
γ_{0}*1140.47* *20* (†$_\gamma$100 *16*)

A **1158.13** *14*, 21/2⁺ **γ_{547}*611.3*** *1* (†$_\gamma$100) E2

1259.51 *13*, 1/2⁻,3/2,5/2⁻ **γ_{601}*659.3*** *5* (†$_\gamma$26 *21*) **γ_{279}*980.23*** *15* (†$_\gamma$100 *13*)
γ_{37}*1222.37* *30* (†$_\gamma$47 *17*) **γ_{0}*1260.0*** *5*

($\dagger_\gamma$55 *17*)

1303.64 *25*, (3/2$^+$) γ_{875}***426***
γ_{847}***456.35*** *10* ($\dagger_\gamma$100 *29*)

1400.93 *5*, 1/2$^-$ γ_{1005}***396.55*** *30* ($\dagger_\gamma$0.9 *5*)
γ_{815}***585.4*** *5* ($\dagger_\gamma$0.45 *37*) γ_{601}***799.9*** *4* ($\dagger_\gamma$0.46 *25*) γ_{595}***805.32*** *15* ($\dagger_\gamma$2.1 *5*)
γ_{301}***1100.33*** *10* ($\dagger_\gamma$27.8 *15*) E2
γ_{279}***1121.66*** *10* ($\dagger_\gamma$25 *4*) M1
γ_{53}***1347.78*** *10* ($\dagger_\gamma$13.8 *8*)
γ_{37}***1363.88*** *10* ($\dagger_\gamma$100 *5*) M1
γ_0***1400.7*** *3* ($\dagger_\gamma$0.78 *19*) E0+M1

1460.79 *19*, (19/2)$^+$ γ_{547}***913.8*** *2* ($\dagger_\gamma$100) M1+E2

1486.20 *18*, (19/2$^+$) γ_{847}***638.2*** *2* ($\dagger_\gamma$93.33) γ_{547}***939.8*** *2* ($\dagger_\gamma$100)

1548.67 *6*, 1/2$^-$,3/2$^-$ γ_{1140}***408.8*** ($\dagger_\gamma$2.3 *11*) M1 γ_{1067}***482.8*** ($\dagger_\gamma$7.3 *22*)
γ_{1005}***544.0*** ($\dagger_\gamma$11.6 *17*) M1+E2
γ_{893}***655.45*** *20* ($\dagger_\gamma$19 *3*) M1
γ_{815}***733.94*** *10* ($\dagger_\gamma$26.3 *22*)
γ_{765}***783.72*** *30* ($\dagger_\gamma$3.4 *11*)
γ_{601}***948.41*** *30* ($\dagger_\gamma$3.3 *17*) γ_{595}***953.0*** *10* ($\dagger_\gamma$2.2 *13*) γ_{301}***1248.00*** *20* ($\dagger_\gamma$6.5 *11*)
γ_{279}***1269.51*** *10* ($\dagger_\gamma$100 *5*) M1
γ_{37}***1511.62*** *10* ($\dagger_\gamma$60 *3*) γ_0***1548*** ($\dagger_\gamma$5.2 *17*)

1664.08 *9*, 1/2,3/2,5/2$^-$ γ_{815}***849.3*** ($\dagger_\gamma$8 *6*) γ_{601}***1063.14*** *30* ($\dagger_\gamma$21 *6*)
γ_{301}***1364*** ($\dagger_\gamma$20 *11*) γ_{37}***1627.00*** *10* ($\dagger_\gamma$98 *9*) γ_0***1664.20*** *25* ($\dagger_\gamma$100 *11*)

1714.65 *14*, 1/2,3/2,5/2$^-$ γ_{922}***792.8*** *4* ($\dagger_\gamma$6.3 *25*) γ_{893}***821.3*** ($\dagger_\gamma$17 *5*)
γ_{815}***899.5*** *4* ($\dagger_\gamma$5.4 *25*) γ_{601}***1114.11*** *30* ($\dagger_\gamma$16 *5*) γ_{279}***1435.52*** *20* ($\dagger_\gamma$100 *9*)
γ_{37}***1678.0*** *5* ($\dagger_\gamma$15 *5*) γ_0***1714.4*** ($\dagger_\gamma$63 *15*)

1742.82 *9*, 1/2,3/2 γ_{1067}***675.38*** *20* ($\dagger_\gamma$4.3 *18*) γ_{1005}***737.8*** *4* ($\dagger_\gamma$2.8 *14*)
γ_{922}***821.3*** ($\dagger_\gamma$3.9 *21*) γ_{893}***849.3*** ($\dagger_\gamma$9 *4*) γ_{815}***927.90*** *20* ($\dagger_\gamma$27 *3*)
γ_{601}***1141*** ($\dagger_\gamma$3.4 *14*) γ_{53}***1690.0*** *6* ($\dagger_\gamma$11 *4*) γ_{37}***1705.88*** *15* ($\dagger_\gamma$100 *7*)
γ_0***1743.08*** *20* ($\dagger_\gamma$19.9 *18*)

B **1744.17** *16*, (21/2$^-$) γ_{1486}***257.8*** *2* ($\dagger_\gamma$4.4)
γ_{1461}***283.3*** *2* ($\dagger_\gamma$15.16) (E1)
γ_{1158}***586.1*** *1* ($\dagger_\gamma$100)

1831.40 *14*, 1/2,3/2 γ_{301}***1531.01*** *25* ($\dagger_\gamma$40 *4*) γ_{279}***1552.26*** *25* ($\dagger_\gamma$62 *7*)
γ_{53}***1778.2*** ($\dagger_\gamma$62 *15*) γ_{37}***1794.13*** *20* ($\dagger_\gamma$100 *8*)

F **1865.72** *25*, (23/2$^-$) γ_{1744}***121.3*** *2* ($\dagger_\gamma$100)

A **1867.83** *25*, 25/2$^+$ γ_{1158}***709.7*** *2* ($\dagger_\gamma$100) E2

B **1868.2** *4*, (25/2$^-$), 1.48 *6* ns γ_{1744}***125.6*** *5* ($\dagger_\gamma$100) E2

1879.26 *19*, 1/2,3/2 γ_{37}***1842.16*** *20* ($\dagger_\gamma$100 *7*) γ_0***1879.3*** *5* ($\dagger_\gamma$10 *4*)

1893.13 *25*, 1/2,3/2 γ_{279}***1613.9*** *3* ($\dagger_\gamma$93 *25*) γ_{37}***1856.4*** *7* ($\dagger_\gamma$100 *30*)
γ_0***1893.0*** *5* ($\dagger_\gamma$51 *20*)

1975.35 *15*, 1/2,3/2 γ_{1140}***834.7*** *5* ($\dagger_\gamma$64 *30*) γ_{922}***1053.3*** ($\dagger_\gamma$57 *30*)
γ_{765}***1210.88*** *25* ($\dagger_\gamma$98 *25*)
γ_{601}***1374.68*** *20* ($\dagger_\gamma$90 *15*)
γ_{301}***1675.2*** *7* ($\dagger_\gamma$54 *30*) γ_{279}***1696.6*** *10* ($\dagger_\gamma$100 *40*)

2014.65 *7*, 1/2,3/2 γ_{1005}***1009.99*** *10* ($\dagger_\gamma$18.5 *22*) γ_{922}***1092.82*** *15* ($\dagger_\gamma$11.3 *12*)
γ_{893}***1121.7*** ($\dagger_\gamma$18 *4*) γ_{815}***1200.00*** *25* ($\dagger_\gamma$7.8 *15*) γ_{595}***1419.6*** *5* ($\dagger_\gamma$2.1 *15*)
γ_{301}***1714.4*** ($\dagger_\gamma$33 *5*) γ_{279}***1735.4*** *4* ($\dagger_\gamma$6.1 *12*) γ_{53}***1961.6*** *3* ($\dagger_\gamma$6.1 *12*)
γ_{37}***1977.75*** *15* ($\dagger_\gamma$100 *2*)
γ_0***2014.75*** *15* ($\dagger_\gamma$50.6 *24*)

2057.36 *11*, 1/2,3/2 γ_{1005}***1053.3*** ($\dagger_\gamma$6 *4*)
γ_{893}***1163.96*** *20* ($\dagger_\gamma$12 *4*)
γ_{815}***1242.61*** *20* ($\dagger_\gamma$10 *3*) γ_{601}***1456.6*** *4* ($\dagger_\gamma$19 *7*) γ_{595}***1462*** *1* ($\dagger_\gamma$7 *4*)
γ_{301}***1756.93*** *20* ($\dagger_\gamma$41 *4*) γ_{279}***1778.2*** ($\dagger_\gamma$100 *14*) γ_{53}***2004.4*** ($\dagger_\gamma$22 *6*)
γ_{37}***2020.8*** *4* ($\dagger_\gamma$13 *4*) γ_0***2057.4*** *4* ($\dagger_\gamma$41 *6*)

F **2078.5** *3*, (27/2$^-$) $\gamma_{1868.2}$***210.4*** *2* ($\dagger_\gamma$3.12)
γ_{1866}***214.9*** *2* ($\dagger_\gamma$100)

B **2169.1** *4*, (29/2$^-$) γ_{2079}***89.6*** *4* ($\dagger_\gamma$3.17)
$\gamma_{1868.2}$***301.0*** *1* ($\dagger_\gamma$100) E2

2230.15 *13*, 1/2,3/2 γ_{893}***1337.1*** *5* ($\dagger_\gamma$23 *17*) γ_{301}***1929.56*** *20* ($\dagger_\gamma$42 *9*)
γ_{279}***1950.88*** *20* ($\dagger_\gamma$100 *12*)
γ_{37}***2193.2*** *4* ($\dagger_\gamma$30 *12*)

2255.59 *23*, 1/2,3/2 γ_{595}***1660.7*** *7* ($\dagger_\gamma$82 *19*) γ_{53}***2202.5*** *7* ($\dagger_\gamma$32 *17*)
γ_{37}***2218.34*** *30* ($\dagger_\gamma$40 *10*) γ_0***2255.6*** *5* ($\dagger_\gamma$100 *12*)

2283.68 *12*, 1/2,3/2 γ_{1401}***884.47*** *5* ($\dagger_\gamma$1.6 *10*) γ_{1067}***1216.53*** *15* ($\dagger_\gamma$37 *5*)
γ_{922}***1363*** ($\dagger_\gamma$24 *12*) γ_{893}***1390.43*** *20* ($\dagger_\gamma$55 *5*) γ_{765}***1519.1*** *3* ($\dagger_\gamma$6 *3*)
γ_{595}***1688.2*** *6* ($\dagger_\gamma$26 *10*) γ_{279}***2004.4*** ($\dagger_\gamma$21 *7*) γ_0***2285***(?) ($\dagger_\gamma$<100)

2305.02 *11*, 1/2,3/2 γ_{922}***1383.43*** *20* ($\dagger_\gamma$41 *5*) γ_{893}***1412.1*** *4* ($\dagger_\gamma$15 *6*)
γ_{815}***1490.25*** *25* ($\dagger_\gamma$100 *9*)
γ_{279}***2025.85*** *30* ($\dagger_\gamma$78 *7*) γ_{53}***2251.9*** *5* ($\dagger_\gamma$24 *6*) γ_{37}***2267.85*** *20* ($\dagger_\gamma$42 *5*)

2311.5 *3*, 1/2,3/2 γ_{279}***2031.8*** *4* (†$_\gamma$87 *11*)
γ_{37}***2274.8*** *4* (†$_\gamma$100 *18*)
2338.4 *4*, 1/2,3/2 γ_{53}***2285*** (†$_\gamma$<100)
γ_{37}***2301.2*** *5* (†$_\gamma$20.3 *26*) γ_{0}***2338.4*** *5*
(†$_\gamma$11.9 *26*)
2339.6 *7*, 1/2,3/2 γ_{279}***2060.4*** *7*
(†$_\gamma$16.7 *43*) γ_{53}***2285***(?) (†$_\gamma$<100)
2363.1 *3*, 1/2,3/2 γ_{815}***1548.0*** (†$_\gamma$67 *20*)
γ_{279}***2084.0*** *4* (†$_\gamma$27 *7*) γ_{0}***2362.9*** *5*
(†$_\gamma$100 *17*)
2403.1 *4*, 1/2,3/2 γ_{815}***1588.4*** *5* (†$_\gamma$21 *6*)
γ_{279}***2123.9*** *7* (†$_\gamma$5 *4*) γ_{37}***2366.0*** *5*
(†$_\gamma$100 *10*)
C **2412.3** *3*, 29/2$^+$ $\gamma_{1867.8}$***544.5*** *1* (†$_\gamma$100)
E2
2420.27 *14*, 1/2,3/2 γ_{1549}***871.85*** *30*
(†$_\gamma$10 *5*) γ_{1005}***1415.6*** *4* (†$_\gamma$16 *7*)
γ_{595}***1824.6*** *4* (†$_\gamma$18 *6*) γ_{301}***2119.9*** *4*
(†$_\gamma$20 *5*) γ_{279}***2140.97*** *20* (†$_\gamma$100 *9*)
γ_{37}***2382.9*** *25* (†$_\gamma$90 *8*) γ_{0}***2420.2***
(†$_\gamma$<30.4)
2428.80 *16*, 1/2,3/2 γ_{1140}***1288.36*** *20*
(†$_\gamma$39 *8*) γ_{595}***1833.2*** *4* (†$_\gamma$18 *6*)
γ_{279}***2150.1*** *5* (†$_\gamma$72 *10*) γ_{37}***2391.75*** *30*
(†$_\gamma$100 *10*) γ_{0}***2429.0*** *7* (†$_\gamma$7 *6*)
2456.8 *4*, 1/2,3/2 γ_{279}***2177.9*** *4*
(†$_\gamma$100 *13*) γ_{37}***2420.2***(?) (†$_\gamma$<72.2)
γ_{0}***2456.4*** *5* (†$_\gamma$54 *10*)
2508.24 *19*, 1/2,3/2 γ_{601}***1907.9*** *7*
(†$_\gamma$23 *17*) γ_{301}***2207.2*** *7* (†$_\gamma$26 *21*)
γ_{279}***2228.9*** *4* (†$_\gamma$60 *14*) γ_{37}***2471.13*** *25*
(†$_\gamma$100 *10*) γ_{0}***2508.8*** *7* (†$_\gamma$60 *21*)
2513.23 *10*, 1/2$^+$,3/2$^+$ γ_{922}***1591.7*** *4*
(†$_\gamma$45 *7*) γ_{893}***1619.5*** *10* (†$_\gamma$14 *11*)
γ_{815}***1698.8*** *10* (†$_\gamma$13 *7*)
γ_{601}***1912.34*** *25* (†$_\gamma$29 *6*) γ_{595}***1917.6*** *2*
(†$_\gamma$20 *5*) γ_{301}***2212.8*** *4* (†$_\gamma$46 *7*)
γ_{279}***2234.21*** *20* (†$_\gamma$52 *5*) γ_{53}***2459.8*** *7*
(†$_\gamma$9 *5*) γ_{37}***2476.12*** *25* (†$_\gamma$38 *4*)
γ_{0}***2513.28*** *20* (†$_\gamma$100 *7*)
F **2625.0** *4*, (31/2$^-$) γ_{2079}***546.5*** *2* (†$_\gamma$100)
C **2690.3** *3*, 33/2$^+$, <0.25 ns γ_{2412}***278.0*** *1*
(†$_\gamma$100) E2
A **2755.8** *4*, (29/2$^+$) γ_{1866}***890.1*** *3* (†$_\gamma$100)
B **2771.7** *4*, (33/2$^-$) γ_{2169}***602.6*** *1* (†$_\gamma$100)
C **3158.2** *3*, (37/2$^+$) γ_{2690}***467.9*** *1* (†$_\gamma$100)
3214.4 *4*, (33/2$^+$) γ_{2412}***802.0*** *2* (†$_\gamma$100)
D **3264.0** *4*, (33/2$^+$) γ_{2690}***573.9*** *3* (†$_\gamma$100)
γ_{2412}***851.3*** *4* (†$_\gamma$50)
F **3364.0** *4*, (35/2$^-$) γ_{2625}***739.0*** *2* (†$_\gamma$100)
3402.2 *5*, (35/2) γ_{2690}***711.8*** *5* (†$_\gamma$100)
B **3553.8** *4*, (37/2$^-$) γ_{2772}***782.1*** *1* (†$_\gamma$100)
D **3561.6** *4*, (37/2$^+$) γ_{3264}***297.6*** *4* (†$_\gamma$9.52)
γ_{3214}***347.2*** *2* (†$_\gamma$23.81) γ_{3158}***403.5*** *2*
(†$_\gamma$100)
3865.7 *5*, (39/2) γ_{3402}***463.5*** *2* (†$_\gamma$100)
γ_{3158}***707.6*** *5* (†$_\gamma$60)
C **3869.0** *7*, (41/2$^+$) γ_{3158}***710.8*** *6* (†$_\gamma$100)
D **4079.3** *4*, (41/2$^+$) γ_{3562}***517.7*** *2* (†$_\gamma$100)
E **4181.1** *5*, (41/2$^-$) γ_{3554}***627.3*** *1* (†$_\gamma$100)
F **4194.4** *5*, (39/2$^-$) γ_{3364}***830.4*** *2* (†$_\gamma$100)
4518.8 *5*, (43/2) γ_{3866}***653.1*** *2* (†$_\gamma$100)
E **4707.8** *5*, (45/2$^-$) γ_{4181}***526.7*** *1* (†$_\gamma$100)
C **4741.9** *7*, (45/2$^+$) γ_{3869}***872.9*** *2* (†$_\gamma$100)
G **4799.8** *6*, (43/2$^-$) γ_{4194}***605.4*** *3* (†$_\gamma$100)
D **4900.6** *5*, (45/2$^+$) γ_{4079}***821.3*** *3* (†$_\gamma$100)
4981.8 *5*, (43/2) γ_{4079}***902.5*** *3* (†$_\gamma$100)
5252.6 *6* γ_{4982}***270.8*** *3* (†$_\gamma$100)
G **5379**, (47/2$^-$) γ_{4800}***576.8*** *3*(?) (†$_\gamma$100)
E **5398.6** *5*, (49/2$^-$) γ_{4708}***690.8*** *2* (†$_\gamma$100)
5409.5 *5*, (47/2$^-$) γ_{4708}***701.7*** *2* (†$_\gamma$100)
5558.0 *6* γ_{5253}***305.4*** *2* (†$_\gamma$100)
5685.4 *6*, (49/2$^-$) γ_{5410}***275.9*** *3* (†$_\gamma$100)
C **5748.6** *8*, (49/2$^+$) γ_{4742}***1006.7*** *3* (†$_\gamma$100)
5890.7 *7*(?) γ_{5685}***205.3*** *3* (†$_\gamma$100)
6297.5 *7*(?) γ_{5891}***406.8*** *3* (†$_\gamma$100)
H **x**, J≈(29/2)
H **333.9+x** *1*, J+2 γ_{x}***333.9*** *1* (†$_\gamma$0.64 *7*)
I$^{(2)}$*=102.8, ħω=0.177*
H **706.7+x** *3*, J+4 γ_{334+x}***372.8*** *3* (†$_\gamma$1.07 *30*)
I$^{(2)}$*=104.2, ħω=0.196*
H **1117.9+x** *4*, J+6 γ_{707+x}***411.2*** *3* (†$_\gamma$0.65 *8*)
I$^{(2)}$*=107.5, ħω=0.215*
H **1566.3+x** *4*, J+8 γ_{1118+x}***448.4*** *1*
(†$_\gamma$0.86 *7*) I$^{(2)}$*=110.2, ħω=0.233*
H **2051.0+x** *5*, J+10 γ_{1566+x}***484.7*** *1*
(†$_\gamma$0.96 *9*) I$^{(2)}$*=114.0, ħω=0.251*
H **2570.8+x** *5*, J+12 γ_{2051+x}***519.8*** *1*
(†$_\gamma$0.92 *10*) I$^{(2)}$*=117.0, ħω=0.268*
H **3124.8+x** *5*, J+14 γ_{2571+x}***554.0*** *1*
(†$_\gamma$1.01 *9*) I$^{(2)}$*=119.4, ħω=0.285*
H **3712.3+x** *5*, J+16 γ_{3125+x}***587.5*** *2*
(†$_\gamma$1.00 *9*) I$^{(2)}$*=122.0, ħω=0.302*
H **4332.6+x** *6*, J+18 γ_{3712+x}***620.3*** *3*
(†$_\gamma$1.06 *10*) I$^{(2)}$*=125.4, ħω=0.318*
H **4984.8+x** *7*, J+20 γ_{4333+x}***652.2*** *3*
(†$_\gamma$1.05 *9*) I$^{(2)}$*=129.0, ħω=0.334*
H **5668.0+x** *7*, J+22 γ_{4985+x}***683.2*** *2*
(†$_\gamma$0.70 *7*) I$^{(2)}$*=129.0, ħω=0.349*
H **6382.2+x** *8*, J+24 γ_{5668+x}***714.2*** *3*
(†$_\gamma$0.62 *8*) I$^{(2)}$*=137.9, ħω=0.364*
H **7125.4+x** *11*, J+26 γ_{6382+x}***743.2*** *8*
(†$_\gamma$0.41 *7*) I$^{(2)}$*=135.1, ħω=0.379*

H **7898.2+x** *12*, J+28 γ_{7125+x}***772.8*** *4*
($\dagger_\gamma$0.34 *4*) $I^{(2)}$=*136.1, ħω=0.394*

H **8700.4+x** *15*, J+30 γ_{7898+x}***802.2*** *9*
($\dagger_\gamma$0.32 *4*) $I^{(2)}$=*134.2, ħω=0.409*

H **9532+x** (?), J+32 γ_{8700+x}***832*** (?)
$I^{(2)}$=*137.9, ħω=0.423*

H **10393+x** (?), J+34 γ_{9532+x}***861*** (?)
$I^{(2)}$=*153.8, ħω=0.437*

H **11280+x** (?), J+36 $\gamma_{10393+x}$***887*** (?)

I **y**, J≈(23/2)

I **273.9+y** *2*, J+2 γ_y***273.9*** *2* ($\dagger_\gamma$0.49 *5*)
$I^{(2)}$=*99.3, ħω=0.147*

I **588.1+y** *2*, J+4 γ_{274+y}***314.2*** *1* ($\dagger_\gamma$0.64 *5*)
$I^{(2)}$=*101.8, ħω=0.167*

I **941.6+y** *3*, J+6 γ_{588+y}***353.5*** *1* ($\dagger_\gamma$0.88 *5*)
$I^{(2)}$=*103.4, ħω=0.186*

I **1333.8+y** *3*, J+8 γ_{942+y}***392.2*** *1* ($\dagger_\gamma$0.92 *5*)
$I^{(2)}$=*106.1, ħω=0.206*

I **1763.7+y** *3*, J+10 γ_{1334+y}***429.9*** *1*
($\dagger_\gamma$1.00 *6*) $I^{(2)}$=*108.1, ħω=0.224*

I **2230.6+y** *3*, J+12 γ_{1764+y}***466.9*** *1*
($\dagger_\gamma$0.94 *5*) $I^{(2)}$=*111.4, ħω=0.242*

I **2733.4+y** *3*, J+14 γ_{2231+y}***502.8*** *1*
($\dagger_\gamma$1.02 *5*) $I^{(2)}$=*114.9, ħω=0.260*

I **3271.0+y** *3*, J+16 γ_{2733+y}***537.6*** *1*
($\dagger_\gamma$1.05 *6*) $I^{(2)}$=*118.7, ħω=0.277*

I **3842.3+y** *4*, J+18 γ_{3271+y}***571.3*** *1*
($\dagger_\gamma$0.87 *6*) $I^{(2)}$=*121.6, ħω=0.294*

I **4446.5+y** *4*, J+20 γ_{3842+y}***604.2*** *1*
($\dagger_\gamma$1.04 *7*) $I^{(2)}$=*125.0, ħω=0.310*

I **5082.7+y** *5*, J+22 γ_{4447+y}***636.2*** *4*
($\dagger_\gamma$1.16 *8*) $I^{(2)}$=*125.4, ħω=0.326*

I **5750.8+y** *5*, J+24 γ_{5083+y}***668.1*** *1*
($\dagger_\gamma$1.08 *7*) $I^{(2)}$=*133.3, ħω=0.342*

I **6448.9+y** *6*, J+26 γ_{5751+y}***698.1*** *2*
($\dagger_\gamma$0.96 *7*) $I^{(2)}$=*132.5, ħω=0.357*

I **7177.2+y** *6*, J+28 γ_{6449+y}***728.3*** *2*
($\dagger_\gamma$0.69 *5*) $I^{(2)}$=*135.6, ħω=0.372*

I **7935.0+y** *7*, J+30 γ_{7177+y}***757.8*** *2*
($\dagger_\gamma$0.71 *5*) $I^{(2)}$=*136.1, ħω=0.386*

I **8722.2+y** *7*, J+32 γ_{7935+y}***787.2*** *3*
($\dagger_\gamma$0.54 *5*) $I^{(2)}$=*139.9, ħω=0.401*

I **9538.0+y** *12*, J+34 γ_{8722+y}***815.8*** *9*
($\dagger_\gamma$0.38 *4*) $I^{(2)}$=*137.0, ħω=0.415*

I **10383.0+y** *15*, J+36 γ_{9538+y}***845.0*** *9*
($\dagger_\gamma$0.16 *3*) $I^{(2)}$=*137.9, ħω=0.430*

I **11257+y** (?), J+38 $\gamma_{10383+y}$***874*** (?)

J **z**, J≈(25/2)

J **284.5+z** *1*, J+2 γ_z***284.5*** *1* ($\dagger_\gamma$0.76 *5*)
$I^{(2)}$=*98.8, ħω=0.152*

J **609.5+z** *2*, J+4 γ_{285+z}***325.0*** *1* ($\dagger_\gamma$0.92 *6*)
$I^{(2)}$=*99.0, ħω=0.173*

J **974.9+z** *2*, J+6 γ_{610+z}***365.4*** *1* ($\dagger_\gamma$0.99 *6*)
$I^{(2)}$=*100.3, ħω=0.193*

J **1380.2+z** *2*, J+8 γ_{975+z}***405.3*** *1* ($\dagger_\gamma$0.93 *6*)
$I^{(2)}$=*100.8, ħω=0.213*

J **1825.2+z** *2*, J+10 γ_{1380+z}***445.0*** *1*
($\dagger_\gamma$0.97 *6*) $I^{(2)}$=*101.3, ħω=0.232*

J **2309.7+z** *3*, J+12 γ_{1825+z}***484.5*** *1*
($\dagger_\gamma$0.99 *6*) $I^{(2)}$=*102.3, ħω=0.252*

J **2833.3+z** *3*, J+14 γ_{2310+z}***523.6*** *1*
($\dagger_\gamma$1.03 *6*) $I^{(2)}$=*103.9, ħω=0.271*

J **3395.4+z** *3*, J+16 γ_{2833+z}***562.1*** *1*
($\dagger_\gamma$0.82 *7*) $I^{(2)}$=*105.5, ħω=0.291*

J **3995.4+z** *3*, J+18 γ_{3395+z}***600.0*** *1*
($\dagger_\gamma$1.01 *7*) $I^{(2)}$=*107.8, ħω=0.309*

J **4632.5+z** *5*, J+20 γ_{3995+z}***637.1*** *4*
($\dagger_\gamma$1.00 *9*) $I^{(2)}$=*110.2, ħω=0.328*

J **5305.9+z** *5*, J+22 γ_{4633+z}***673.4*** *2*
($\dagger_\gamma$1.07 *7*) $I^{(2)}$=*113.3, ħω=0.346*

J **6014.6+z** *7*, J+24 γ_{5306+z}***708.7*** *4*
($\dagger_\gamma$1.12 *9*) $I^{(2)}$=*119.4, ħω=0.363*

J **6756.8+z** *11*, J+26 γ_{6015+z}***742.2*** *9*
($\dagger_\gamma$0.64 *10*) $I^{(2)}$=*118.0, ħω=0.380*

J **7532.9+z** *12*, J+28 γ_{6757+z}***776.1*** *3*
($\dagger_\gamma$0.54 *4*) $I^{(2)}$=*138.4, ħω=0.395*

J **8337.9+z** *12*, J+30 γ_{7533+z}***805.0*** *4*
($\dagger_\gamma$0.33 *5*) $I^{(2)}$=*166.0, ħω=0.409*

J **9167.0+z** *14*, J+32 γ_{8338+z}***829.1*** *6*
($\dagger_\gamma$0.22 *4*) $I^{(2)}$=*206.2, ħω=0.419*

J **10015.5+z** *15*, J+34 γ_{9167+z}***848.5*** *5*
($\dagger_\gamma$0.17 *4*) $I^{(2)}$=*205.1, ħω=0.429*

J **10884+z** (?), J+36 $\gamma_{10016+z}$***868*** (?)

K **u**, J≈(31/2)

K **341.9+u** *1*, J+2 γ_0***341.9*** *1* ($\dagger_\gamma$0.89 *16*)
$I^{(2)}$=*102.6, ħω=0.181*

K **722.8+u** *2*, J+4 γ_{342+u}***380.9*** *1* ($\dagger_\gamma$1.06 *22*)
$I^{(2)}$=*104.7, ħω=0.200*

K **1141.9+u** *2*, J+6 γ_{723+u}***419.1*** *1*
($\dagger_\gamma$0.81 *16*) $I^{(2)}$=*105.0, ħω=0.219*

K **1599.1+u** *2*, J+8 γ_{1142+u}***457.2*** *1*
($\dagger_\gamma$1.00 *16*) $I^{(2)}$=*107.2, ħω=0.238*

K **2093.6+u** *2*, J+10 γ_{1599+u}***494.5*** *1*
($\dagger_\gamma$1.03 *16*) $I^{(2)}$=*108.4, ħω=0.256*

K **2625.0+u** *3*, J+12 γ_{2094+u}***531.4*** *1*
($\dagger_\gamma$0.90 *17*) $I^{(2)}$=*110.5, ħω=0.275*

K **3192.6+u** *3*, J+14 γ_{2625+u}***567.6*** *1*
($\dagger_\gamma$0.97 *18*) $I^{(2)}$=*113.6, ħω=0.293*

K **3795.4+u** *3*, J+16 γ_{3193+u}***602.8*** *1*
($\dagger_\gamma$1.00 *18*) $I^{(2)}$=*113.3, ħω=0.310*

K **4433.5+u** *3*, J+18 γ_{3795+u}***638.1*** *1*
($\dagger_\gamma$1.02 *21*) $I^{(2)}$=*116.6, ħω=0.328*

K **5105.9+u** *4*, J+20 γ_{4434+u} ***672.4*** *2*

($\dagger_\gamma$1.12 *22*) $I^{(2)}$*=119.4, ħω=0.345*

K **5811.8+u** *4*, J+22 γ_{5106+u} ***705.9*** *2*

($\dagger_\gamma$1.00 *26*) $I^{(2)}$*=120.5, ħω=0.361*

K **6550.9+u** *9*, J+24 γ_{5812+u} ***739.1*** *8*

($\dagger_\gamma$0.75 *20*) $I^{(2)}$*=123.1, ħω=0.378*

K **7322.5+u** *9*, J+26 γ_{6551+u} ***771.6*** *2*

($\dagger_\gamma$0.64 *18*) $I^{(2)}$*=125.8, ħω=0.394*

K **8125.9+u** *10*, J+28 γ_{7323+u} ***803.4*** *5*

($\dagger_\gamma$0.40 *16*) $I^{(2)}$*=122.3, ħω=0.410*

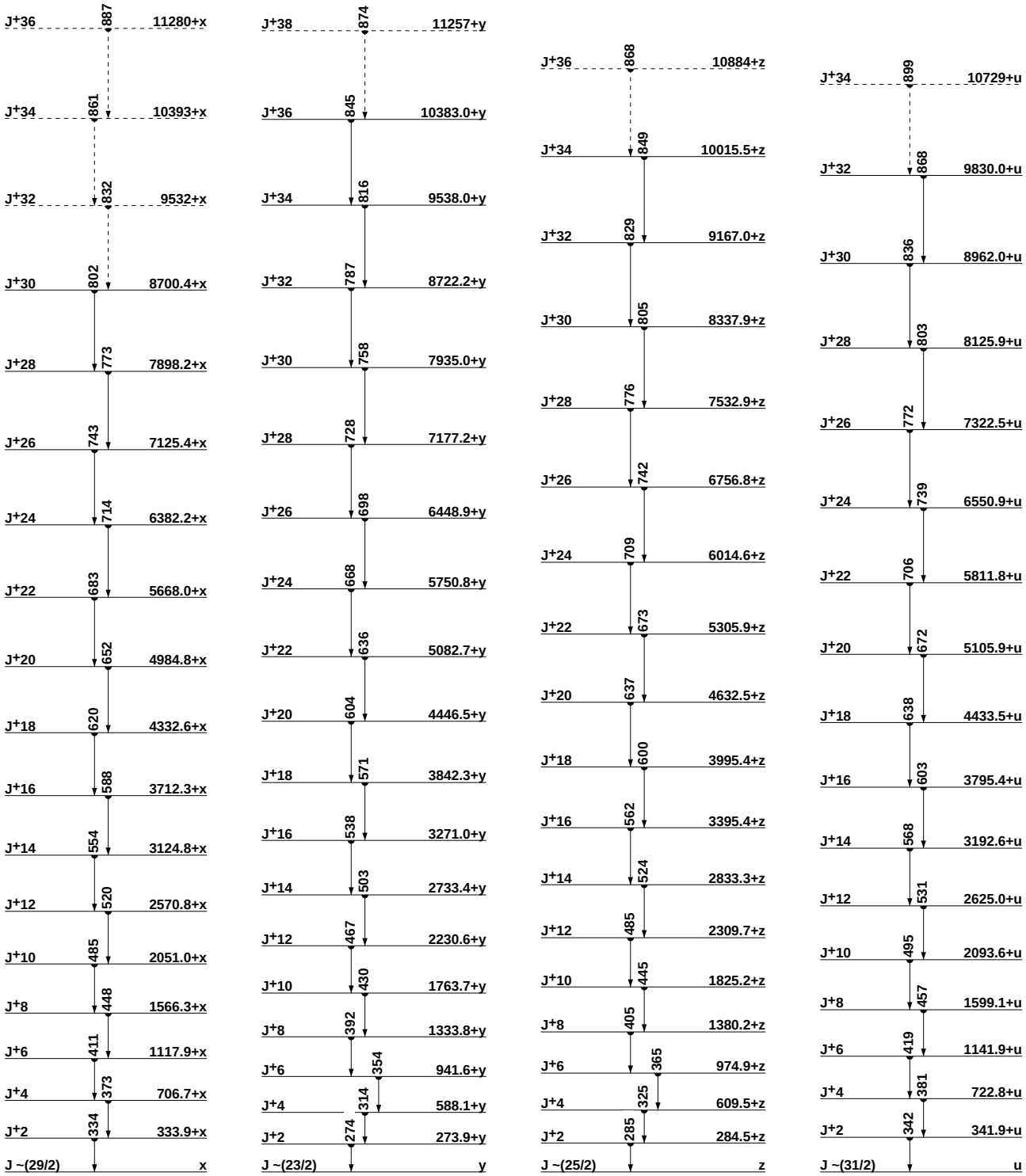
K **8962.0+u** *11*, J+30 γ_{8126+u} ***836.1*** *5*

($\dagger_\gamma$0.38 *15*) $I^{(2)}$*=125.4, ħω=0.426*

K **9830.0+u** *12*, J+32 γ_{8962+u} ***868.0*** *6*

($\dagger_\gamma$0.38 *17*) $I^{(2)}$*=129.0, ħω=0.442*

K **10729+u** (?), J+34 γ_{9830+u} ***899*** (?)


J+36 887 11280+x
J+34 861 10393+x
J+32 832 9532+x
J+30 802 8700.4+x
J+28 773 7898.2+x
J+26 743 7125.4+x
J+24 714 6382.2+x
J+22 683 5668.0+x
J+20 652 4984.8+x
J+18 620 4332.6+x
J+16 588 3712.3+x
J+14 554 3124.8+x
J+12 520 2570.8+x
J+10 485 2051.0+x
J+8 448 1566.3+x
J+6 411 1117.9+x
J+4 373 706.7+x
J+2 334 333.9+x
J ~(29/2) x
SD-1 band
(97Ha01)
J+38 874 11257+y
J+36 845 10383.0+y
J+34 816 9538.0+y
J+32 787 8722.2+y
J+30 758 7935.0+y
J+28 728 7177.2+y
J+26 698 6448.9+y
J+24 668 5750.8+y
J+22 636 5082.7+y
J+20 604 4446.5+y
J+18 571 3842.3+y
J+16 538 3271.0+y
J+14 503 2733.4+y
J+12 467 2230.6+y
J+10 430 1763.7+y
J+8 392 1333.8+y
J+6 354 941.6+y
J+4 314 588.1+y
J+2 274 273.9+y
J ~(23/2) y
SD-2 band
(97Ha01)
J+36 868 10884+z
J+34 849 10015.5+z
J+32 829 9167.0+z
J+30 805 8337.9+z
J+28 776 7532.9+z
J+26 742 6756.8+z
J+24 709 6014.6+z
J+22 673 5305.9+z
J+20 637 4632.5+z
J+18 600 3995.4+z
J+16 562 3395.4+z
J+14 524 2833.3+z
J+12 485 2309.7+z
J+10 445 1825.2+z
J+8 405 1380.2+z
J+6 365 974.9+z
J+4 325 609.5+z
J+2 285 284.5+z
J ~(25/2) z
SD-3 band
(97Ha01)
J+34 899 10729+u
J+32 868 9830.0+u
J+30 836 8962.0+u
J+28 803 8125.9+u
J+26 772 7322.5+u
J+24 739 6550.9+u
J+22 706 5811.8+u
J+20 672 5105.9+u
J+18 638 4433.5+u
J+16 603 3795.4+u
J+14 568 3192.6+u
J+12 531 2625.0+u
J+10 495 2093.6+u
J+8 457 1599.1+u
J+6 419 1141.9+u
J+4 381 722.8+u
J+2 342 341.9+u
J ~(31/2) u
SD-4 band
(97Ha01)

$^{195}_{80}$Hg