$^{191}_{80}$Hg

Δ: −30680 *90* **S_n:** (7340) **S_p:** 5090 *90*
Q_{EC}: 3180 *70* **Q_α:** (3640)

Nuclear Bands

A α=1/2, $i_{13/2}$
B α=-1/2
C α=1/2
D α=1/2
E α=1/2
F α=-1/2
G α=-1/2
H α=1/2
I α=1/2
J α=1/2
K Band Structure
L SD-1 band (89Mo08,95Ca15,95So17)
M SD-2 band (90Ca18,95Ca15,95So17)
N SD-3 band (90Ca18,95Ca15,95So17)
O SD-4 band (95Ca15)

Levels and γ-ray branchings:

0, (3/2⁻), 49 *10* m, %EC+%β^+=100, μ=−0.618 *11*, Q=−0.80 *25*

A **0+x**, 13/2⁺, 50.8 *15* m, %EC+%β^+=100, μ=−1.068 *5*, Q=+0.64 *25*

51.6 *2*, (5/2⁻), 0.42 *4* ns **γ_0*51.6*** *2* (†$_\gamma$100) M1+E2: δ≈0.7

103.7 *3*, (1/2⁻) **γ_0*103.7*** *3* (†$_\gamma$100) M1+E2

216.0+x *2*, (9/2)⁺ **γ_{0+x}*216.0*** *2* (†$_\gamma$100) E2

265.0+x *2*, (11/2)⁺ **γ_{216+x}*49.1*** *2* E2 **γ_{0+x}*265.0*** *2* (†$_\gamma$100 *5*) M1+E2: δ=1.9 $^{+10}_{-5}$

336.3 *2*, (5/2⁻) **γ_{52}*284.7*** *2* (†$_\gamma$10.0 *10*) M1 **γ_0*336.3*** *2* (†$_\gamma$100 *6*) M1+E2: δ=1.6 $^{+6}_{-4}$

375.5 *3*, (3/2⁻) **γ_{104}*271.8*** *4* (†$_\gamma$4.1 *24*) **γ_{52}*323.9*** *4* (†$_\gamma$12 *6*) **γ_0*375.5*** *3* (†$_\gamma$100 *18*) M1

377.9 *3*, (7/2⁻) **γ_{336}*41.6*** *3* **γ_{52}*326.3*** *2* (†$_\gamma$100 *5*) M1+E2: δ=1.0 *2* **γ_0*377.9*** *2* (†$_\gamma$13 *7*)

A **390.5+x** *2*, (17/2⁺) **γ_{0+x}*390.4*** *2* (†$_\gamma$100) (E2)

430.4 *3*, (1/2⁻,3/2⁻,5/2⁻) **γ_{52}*378.8*** *3* (†$_\gamma$≈345) **γ_0*430.4*** *3* (†$_\gamma$100 *14*) M1+E2: δ=0.8 $^{+16}_{-8}$

534.7+x *4* **γ_{216+x}*318.7*** *4* (†$_\gamma$100)

B **535.3+x** *2*, (15/2⁺) **γ_{0+x}*535.4*** *2* (†$_\gamma$100) (M1+E2): δ=0.14 *4*

563.5 *3*, (7/2⁻) **γ_{336}*227.2*** *3* (†$_\gamma$5.1 *24*) **γ_{52}*511.9*** *3* **γ_0*563.5*** *3* (†$_\gamma$100 *5*) E2

588.6+x *4*, (7/2)⁺ **γ_{265+x}*323.6*** *4* (†$_\gamma$13 *7*) **γ_{216+x}*372.7*** *3* (†$_\gamma$100 *10*) M1+E2: δ=1.8 $^{+8}_{-4}$

632.3 *3*, (9/2⁻) **γ_{378}*254.4*** *3* (†$_\gamma$7 *3*) **γ_{52}*580.7*** *3* (†$_\gamma$100 *5*) E2

659.1 *4*, (9/2⁻) **γ_{378}*281.2*** *3* (†$_\gamma$77 *8*) M1+E2: δ=0.8 *5* **γ_{336}*322.7*** *4* (†$_\gamma$27 *14*) **γ_{52}*607.5*** *3* (†$_\gamma$100 *10*) E2

691.8 *3* **γ_{430}*261.4*** *3* (†$_\gamma$10.1 *25*) **γ_{336}*355.5*** *3* (†$_\gamma$8 *3*) **γ_{52}*640.2*** *3* (†$_\gamma$100 *10*) **γ_0*691.8*** *3* (†$_\gamma$31 *8*)

742.7+x *3*, (13/2)⁺ **$\gamma_{535.3+x}$*207.5*** *3* (†$_\gamma$10 *4*) **γ_{265+x}*477.6*** *3* (†$_\gamma$90 *10*) **γ_{216+x}*526.7*** *3* (†$_\gamma$11 *3*) **γ_{0+x}*742.7*** *3* (†$_\gamma$100 *10*) (M1+)E2: δ>1.6

761.1+x *3*, (11/2)⁺ **γ_{589+x}*172.4*** *4* (†$_\gamma$12 *7*) **γ_{265+x}*496.0*** *3* (†$_\gamma$100 *11*) M1(+E2) **γ_{216+x}*545.1*** *3* (†$_\gamma$40 *20*) (M1+)E2: δ>1.6 **γ_{0+x}*761.1*** *3* (†$_\gamma$52 *11*)

880.3 *9* **γ_{52}*828.7*** *9* (†$_\gamma$100)

900.0+x *4*, (11/2,13/2)⁺ **γ_{265+x}*635.0*** *4* (†$_\gamma$37 *7*) **γ_{216+x}*684.1*** *4* (†$_\gamma$100 *10*) E2 **γ_{0+x}*900.0*** *4* (†$_\gamma$71 *10*) M1+E2

911.3 *4* **γ_{430}*480.8*** *4* (†$_\gamma$100 *77*) **γ_{378}*533.4*** *4* (†$_\gamma$96 *23*) **γ_{376}*535.7*** *5* (†$_\gamma$≈200) **γ_{336}*574.9*** *4* (†$_\gamma$<80)

952.1 *4*, (9/2⁻) **γ_{430}*521.7*** *4* (†$_\gamma$29 *14*) **γ_{336}*615.8*** *4* (†$_\gamma$100 *12*) (E2)

997.1 *3*, (5/2⁻,7/2⁻,9/2⁻) **γ_{430}*566.7*** *4* (†$_\gamma$82 *15*) **γ_{378}*619.2*** *3* (†$_\gamma$100 *12*) M1+E2: δ=0.9 $^{+9}_{-5}$ **γ_{336}*660.8*** *3* (†$_\gamma$92 *10*)

1016.3 *4*, (11/2⁻) **γ_{632}*383.9*** *4* (†$_\gamma$14 *4*) **γ_{378}*638.4*** *4* (†$_\gamma$100 *21*)

A **1019.3+x** *2*, (21/2⁺) **γ_{391+x}*628.7*** *2* (†$_\gamma$100) (E2)

1024 *1* **γ_{336}*687*** *1* (†$_\gamma$100)

1081.0 *5* **γ_{336}*744.7*** *5* (†$_\gamma$100 *17*) **γ_0*1081.0*** *5* (†$_\gamma$70 *13*)

1088+x *1* **γ_{216+x}*871.8*** *9* (†$_\gamma$100)

1105.7+x *7* **γ_{589+x}*517.1*** *6* (†$_\gamma$100)

1107.2 *4*, (7/2⁻,9/2⁻,11/2⁻) **γ_{632}*474.9*** *4* (†$_\gamma$19 *10*) M1+E2: δ>0.4 **γ_{378}*729.3*** *4* (†$_\gamma$100 *11*) **γ_{52}*1055.6*** *4* (†$_\gamma$61 *7*)

1130.8+x *8*, (7/2,9/2,11/2⁺) **γ_{265+x}*865.6*** *9* (†$_\gamma$37 *17*) **γ_{216+x}*914.9*** *7* (†$_\gamma$100 *17*) M1+E2

1133.3+x *6* **γ_{265+x}*868.2*** *5* (†$_\gamma$32 *16*) **γ_{216+x}*917.3*** *5* (†$_\gamma$100 *16*) **γ_{0+x}*1133.3*** *5* (†$_\gamma$35 *18*)

1146.5 *5* **γ_{632}*514.2*** *5* (†$_\gamma$100 *18*) **γ_{564}*583.0*** *5* (†$_\gamma$77 *38*)

B **1171.8+x** *2*, (19/2⁺) **$\gamma_{535.3+x}$*636.6*** *2* (†$_\gamma$82 *18*) (E2) **γ_{391+x}*781.3*** *2* (†$_\gamma$100 *15*) (M1+E2): δ=0.14 *4*

1178.3 *8* **γ_{52}*1126.7*** *8* (†$_\gamma$100)

1193.2 *5* **γ_{692}*501.4*** *5* (†$_\gamma$56 *10*) M1(+E2) **γ_{378}*815.3*** *5* (†$_\gamma$100 *21*)

1199 *1* **γ_{52}*1148*** *1* (†$_\gamma$100)

1208+x *1* **γ_{216+x}*992*** *1* (†$_\gamma$100)

1212.4 *7* γ_{378}***834.5*** *7* (†$_\gamma$100) (E2)
1257+x *1* γ_{265+x}***992*** *1* (†$_\gamma$100)
1317.6 *9*, (5/2$^-$,7/2$^-$,9/2$^-$) γ_{564}***754.1*** *8* (†$_\gamma$100) M1+E2: δ>1.2
1319+x *1* γ_{216+x}***1102.6*** *9* (†$_\gamma$100 *21*) γ_{0+x}***1318.6*** *9* (†$_\gamma$75 *25*)
1320 *1*, (13/2$^-$) γ_{632}***687*** *1* (†$_\gamma$100)
1434+x *1* γ_{216+x}***1218.2*** *9* (†$_\gamma$100)
1470.8 *9* γ_{378}***1092.9*** *9* (†$_\gamma$100)
1539 *1* γ_{378}***1161*** *1* (†$_\gamma$100)
H **1637.9+x** *2*, (21/2$^-$) γ_{1172+x}***466.2*** *2* (†$_\gamma$100 *15*) (E1) γ_{1019+x}***618.5*** *2* (†$_\gamma$33 *4*) (E1)
1688+x *1* γ_{216+x}***1472*** *1* (†$_\gamma$100)
A **1769.5+x** *3*, (25/2$^+$) γ_{1019+x}***750.1*** *7* (†$_\gamma$100) (E2)
H **1804.6+x** *3*, (25/2$^-$), 0.72 *7* ns γ_{1638+x}***166.7*** *7* (†$_\gamma$100) (E2)
1844 *1* γ_{336}***1508*** *1* (†$_\gamma$100)
F **1861.8+x** *3*, (23/2$^-$) γ_{1638+x}***223.9*** *6* (†$_\gamma$12 *2*) (M1) γ_{1019+x}***842.5*** *6* (†$_\gamma$100 *16*) (E1)
F **2064.8+x** *3*, (27/2$^-$) γ_{1862+x}***202.8*** *7* (†$_\gamma$100 *7*) (E2) γ_{1805+x}***260.0*** *7* (†$_\gamma$25 *4*) (M1) γ_{1770+x}***295.2*** *7* (†$_\gamma$49 *9*) (E1)
H **2123.6+x** *4*, (29/2$^-$) γ_{1805+x}***319.0*** *2* (†$_\gamma$100) (E2)
2286+x *2* γ_{216+x}***2070*** *2* (†$_\gamma$100)
2299+x *2* γ_{265+x}***2034.5*** *15* (†$_\gamma$100)
2303+x *1* γ_{216+x}***2087*** *1* (†$_\gamma$100)
2307+x *1* γ_{216+x}***2091.5*** *11* (†$_\gamma$100)
2310+x *1* γ_{265+x}***2045*** *1* (†$_\gamma$100)
2315+x *1* γ_{216+x}***2099*** *1* (†$_\gamma$100)
2328.9+x *8* γ_{743+x}***1586.3*** *7* (†$_\gamma$43 *9*) γ_{216+x}***2113.0*** *7* (†$_\gamma$45 *9*) γ_{0+x}***2328.9*** *7* (†$_\gamma$100 *10*)
2335+x *2* γ_{265+x}***2070*** *2* (†$_\gamma$100)
2340+x *1* γ_{265+x}***2075*** *1* (†$_\gamma$100)
2352+x *1* γ_{265+x}***2087*** *1* (†$_\gamma$100)
2357+x *1* γ_{743+x}***1613.9*** *9* γ_{216+x}***2140.6*** *9*
2358.8+x *8* γ_{743+x}***1616.1*** *7* (†$_\gamma$100 *10*) γ_{0+x}***2358.7*** *7* (†$_\gamma$81 *14*)
2361.6+x *8* γ_{743+x}***1618.9*** *7* (†$_\gamma$46 *9*) γ_{0+x}***2361.6*** *7* (†$_\gamma$100 *10*)
2406+x *2* γ_{265+x}***2141*** *2* (†$_\gamma$100)
2409+x *2* γ_{216+x}***2193*** *2* (†$_\gamma$100)
2412.4 *15* γ_{378}***2034.5*** *15* (†$_\gamma$100)
2423 *1* γ_{378}***2045*** *1* (†$_\gamma$100)
C **2431.6+x** *4*, (29/2$^+$) γ_{1770+x}***662.1*** *2* (†$_\gamma$100) (E2)
2440.2 *9* γ_{952}***1488.1*** *8* (†$_\gamma$100)
2442 *2* γ_{336}***2105*** *2* (†$_\gamma$100)
2443 *1* γ_{378}***2065*** *1* (†$_\gamma$100)
2460 *1* γ_{1016}***1443.5*** *9* (†$_\gamma$100)
2475+x *1* γ_{1019+x}***1459*** *1* (†$_\gamma$100)
2476 *1* γ_{632}***1844*** *1* (†$_\gamma$100)
2477 *1* γ_{378}***2099*** *1* (†$_\gamma$100)
2543 *1* γ_{564}***1980*** *1* (†$_\gamma$100)
F **2545.0+x** *4*, (31/2$^-$) γ_{2065+x}***479.7*** *9* (†$_\gamma$100) (E2)
A **2588.9+x** *4*, (29/2$^+$) γ_{1770+x}***819.4*** *8* (†$_\gamma$100) (E2)
2594.9+x *4*, (29/2$^-$) γ_{1805+x}***790.3*** *3* (†$_\gamma$100) (E2)
C **2598.6+x** *4*, (33/2$^+$), 0.92 *6* ns γ_{2432+x}***167.0*** *7* (†$_\gamma$100) (E2)
K **2643.5+x** *5*, (33/2$^-$) γ_{2124+x}***519.9*** *3* (†$_\gamma$100) (E2)
H **2690.4+x** *4*, (33/2$^-$) γ_{2124+x}***566.8*** *2* (†$_\gamma$100) (E2)
D **2935.5+x** *4*, (29/2$^+$) γ_{1770+x}***1166.0*** *3* (†$_\gamma$100)
C **3078.5+x** *4*, (37/2$^+$) γ_{2599+x}***479.9*** *2* (†$_\gamma$100) (E2)
3117.5+x *5*, (33/2$^+$) γ_{2589+x}***528.6*** *3* (†$_\gamma$100) (E2)
D **3167.0+x** *4*, (33/2$^+$) γ_{2936+x}***231.6*** *3* (†$_\gamma$16 *5*) (E2) γ_{2599+x}***568.4*** *7* (†$_\gamma$100 *26*) (M1+E2) γ_{2589+x}***578.1*** *8* (†$_\gamma$38 *9*) (E2)
F **3222.2+x** *5*, (35/2$^-$) γ_{2545+x}***677*** *1* (†$_\gamma$100) (E2)
3252.8+x *4*, (33/2$^-$) γ_{2595+x}***658.0*** *3* (†$_\gamma$100 *39*) γ_{2124+x}***1129.3*** *3* (†$_\gamma$22 *17*)
H **3428.9+x** *4*, (37/2$^-$) γ_{2690+x}***738.5*** *2* (†$_\gamma$100) (E2)
D **3487.7+x** *5*, (37/2$^+$) γ_{3167+x}***320.6*** *8* (†$_\gamma$71 *14*) (E2) γ_{3079+x}***409.3*** *8* (†$_\gamma$100 *20*) (M1+E2)
K **3518.9+x** *6*, (37/2$^-$) γ_{2644+x}***875.4*** *3* (†$_\gamma$100) (E2)
3728.1+x *5*, (35/2) γ_{2690+x}***1037.7*** *3* (†$_\gamma$100)
C **3792.7+x** *5*, (41/2$^+$) γ_{3079+x}***714*** *1* (†$_\gamma$100) (E2)
3946.8+x *4*, (37/2$^-$) γ_{3253+x}***694.0*** *3* (†$_\gamma$100 *21*) γ_{2690+x}***1256.4*** *3* (†$_\gamma$42 *33*) (E2)
G **3957.2+x** *5*, (39/2$^-$) γ_{3222+x}***735*** *1* (†$_\gamma$100) (E2)
F **3969.0+x** *5*, (39/2$^-$) γ_{3222+x}***746.8*** *3* (†$_\gamma$100) (E2)
D **3988.6+x** *5*, (41/2$^+$) γ_{3488+x}***501*** *1* (†$_\gamma$100) (E2)

J **4140.9+x** *5*, (41/2$^-$) γ_{3429+x}***712.0*** *3* (†$_\gamma$100) (E2)

I **4217.7+x** *5*, (41/2$^-$) γ_{3429+x}***787*** *1* (†$_\gamma$100) (E2)

K **4276.1+x** *6*, (41/2$^-$) γ_{3519+x}***757.2*** *3* (†$_\gamma$100) (E2)

G **4357.4+x** *5*, (43/2$^-$) γ_{3957+x}***400*** *1* (†$_\gamma$100) (E2)

4382.6+x *5*, (41/2$^-$) γ_{3429+x}***953.7*** *3* (†$_\gamma$100) (E2)

E **4492.0+x** *5*, (41/2$^+$) γ_{3488+x}***1004.3*** *3* (†$_\gamma$62 *15*) γ_{3079+x}***1413.5*** *3* (†$_\gamma$100 *23*) (E2)

4529.8+x *4*, (39/2) γ_{3728+x}***801.7*** *3* (†$_\gamma$53 *13*) γ_{3429+x}***1100.9*** *3* (†$_\gamma$100 *27*) D

4587.1+x *4*, (41/2$^-$) γ_{4530+x}***57.3*** *3* γ_{3957+x}***629.9*** *3* (†$_\gamma$90 *20*) (M1) γ_{3947+x}***640.3*** *3* (†$_\gamma$80 *17*) (E2) γ_{3429+x}***1158.2*** *3* (†$_\gamma$100 *7*) (E2)

C **4632.3+x** *5*, (45/2$^+$) γ_{3793+x}***840*** *1* (†$_\gamma$100) (E2)

4653.7+x *6*, (43/2) γ_{4383+x}***271.1*** *3* (†$_\gamma$100) D

D **4667.4+x** *5*, (45/2$^+$) γ_{3989+x}***678.8*** *3* (†$_\gamma$100) (E2)

E **4850.9+x** *5*, (45/2$^+$) γ_{4492+x}***358.9*** *3* (†$_\gamma$100 *21*) (E2) γ_{3989+x}***862.3*** *3* (†$_\gamma$25 *4*) (E2)

4855.9+x *5*, (43/2$^-$) γ_{4587+x}***268.8*** *3* (†$_\gamma$100) (M1)

4894.9+x *6*, (45/2$^-$) γ_{4654+x}***241.2*** *3* (†$_\gamma$40 *20*) D γ_{4383+x}***512.3*** *3* (†$_\gamma$100 *20*) (E2)

4903.5+x *6*, (45/2) γ_{4654+x}***249.8*** *3* (†$_\gamma$38 *13*) D γ_{4383+x}***520.9*** *3* (†$_\gamma$100 *25*)

I **4957.7+x** *11* γ_{4218+x}***740*** *1* (†$_\gamma$100)

G **5006.5+x** *6*, (47/2$^-$) γ_{4357+x}***649.1*** *3* (†$_\gamma$100) (E2)

J **5027.8+x** *6*, (45/2$^-$) γ_{4141+x}***886.9*** *3* (†$_\gamma$100) (E2)

K **5072+x** *3*, (45/2$^-$) γ_{4276+x}***796*** *3* (†$_\gamma$100) (E2)

5128.2+x *6*, (47/2) γ_{4895+x}***233.3*** *3* (†$_\gamma$100) D

5142.5+x *5*, (45/2$^-$) γ_{4856+x}***286.6*** *3* (†$_\gamma$100) (M1) γ_{4587+x}***555.4*** *3* (†$_\gamma$86 *5*) (E2)

5296.1+x *5*, (47/2$^-$) γ_{4856+x}***440.2*** *3* (†$_\gamma$100) (E2)

D **5427.3+x** *6*, (49/2$^+$) γ_{4667+x}***759.9*** *3* (†$_\gamma$100) (E2)

5506.6+x *5*, (47/2$^-$) γ_{5296+x}***210.5*** *3* (†$_\gamma$41 *10*) (M1) γ_{5143+x}***364.1*** *3* (†$_\gamma$100 *15*) (M1) γ_{4856+x}***650.7*** *3* (†$_\gamma$78 *7*) (E2)

E **5534.0+x** *5*, (49/2$^+$) γ_{4851+x}***683.1*** *3* (†$_\gamma$100 *24*) (E2) γ_{4667+x}***866.6*** *3* (†$_\gamma$21 *4*) γ_{4632+x}***901.7*** *3* (†$_\gamma$19 *3*) (E2)

C **5553.4+x** *6*, (49/2$^+$) γ_{4632+x}***921.1*** *3* (†$_\gamma$100) (E2)

5653.8+x *6*, (49/2$^-$) γ_{5507+x}***147.2*** *3* (†$_\gamma$100) (M1)

G **5795.7+x** *7*, (51/2$^-$) γ_{5007+x}***789.2*** *3* (†$_\gamma$100) (E2)

I **5802.8+x** *12* γ_{4958+x}***845.1*** *3* (†$_\gamma$100)

J **6025.4+x** *7* γ_{5028+x}***997.6*** *3* (†$_\gamma$100)

6085.3+x *6*, (51/2$^-$) γ_{5654+x}***431.5*** *3* (†$_\gamma$81 *13*) (M1) γ_{5507+x}***578.7*** *3* (†$_\gamma$100 *32*) (E2)

D **6230.8+x** *7*, (53/2$^+$) γ_{5427+x}***803.5*** *3* (†$_\gamma$100) (E2)

E **6333.7+x** *6*, (53/2$^+$) γ_{5534+x}***799.7*** *3* (†$_\gamma$100) (E2)

6459.6+x *6*, (53/2) γ_{6085+x}***374.3*** *3* (†$_\gamma$67 *20*) D γ_{5654+x}***805.8*** *3* (†$_\gamma$100 *47*) Q

C **6520.7+x** *7*, (53/2$^+$) γ_{5553+x}***967.3*** *3* (†$_\gamma$100) (E2)

G **6678.2+x** *8*, (55/2$^-$) γ_{5796+x}***882.5*** *3* (†$_\gamma$100) (E2)

6936.5+x *6*, (55/2$^-$) γ_{6460+x}***476.9*** *3* (†$_\gamma$29 *8*) D γ_{6085+x}***851.2*** *3* (†$_\gamma$100 *6*) (E2)

D **7077.4+x** *8*, (57/2$^+$) γ_{6231+x}***846.6*** *3* (†$_\gamma$100) (E2)

7227.0+x *7*, (57/2$^-$) γ_{6937+x}***290.5*** *3* (†$_\gamma$100) (M1)

7527.8+x *7*, (59/2) γ_{7227+x}***300.8*** *3* (†$_\gamma$100) D

G **7670.7+x** *8* γ_{6678+x}***992.5*** *3* (†$_\gamma$100)

7689.9+x *7*, (59/2) γ_{7227+x}***462.9*** *3* (†$_\gamma$100) D

7697.0+x *8* γ_{6678+x}***1018.8*** *3* (†$_\gamma$100)

7987.4+x *7*, (61/2) γ_{7528+x}***459.6*** *3* (†$_\gamma$100 *64*) D γ_{7227+x}***760.4*** *3* (†$_\gamma$50 *27*)

8351.8+x *7*, (63/2) γ_{7987+x}***364.4*** *3* (†$_\gamma$100 *79*) γ_{7690+x}***661.9*** *3* (†$_\gamma$75 *17*) γ_{7528+x}***824*** *3* (†$_\gamma$75 *29*) Q

8668.9+x *8* γ_{8352+x}***317.1*** *3* (†$_\gamma$100)

L **u**, J≈(31/2)

L **310.9+u** *7*, J+2 γ_0***310.9*** *7* (†$_\gamma$0.14 *2*) *$I^{(2)}$=98.5, ħω=0.166*

L **662.4+u** *7*, J+4 γ_{311+u}***351.5*** *1* (†$_\gamma$0.83 *5*) Q *$I^{(2)}$=99.8, ħω=0.186*

L **1054.0+u** *8*, J+6 γ_{662+u}***391.6*** *4*
($\dagger_\gamma$1.00 *9*) Q $I^{(2)}$*=100.8, ħω=0.206*
L **1485.3+u** *8*, J+8 γ_{1054+u}***431.3*** *1*
($\dagger_\gamma$0.98 *4*) Q $I^{(2)}$*=103.1, ħω=0.225*
L **1955.4+u** *8*, J+10 γ_{1485+u}***470.1*** *1*
($\dagger_\gamma$1.02 *4*) Q $I^{(2)}$*=104.4, ħω=0.245*
L **2463.8+u** *8*, J+12 γ_{1955+u}***508.4*** *1*
($\dagger_\gamma$0.97 *6*) Q $I^{(2)}$*=106.7, ħω=0.264*
L **3009.7+u** *9*, J+14 γ_{2464+u}***545.9*** *2*
($\dagger_\gamma$0.88 *5*) Q $I^{(2)}$*=109.6, ħω=0.282*
L **3592.1+u** *9*, J+16 γ_{3010+u}***582.4*** *1*
($\dagger_\gamma$0.77 *4*) Q $I^{(2)}$*=110.8, ħω=0.300*
L **4210.6+u** *9*, J+18 γ_{3592+u}***618.5*** *2*
($\dagger_\gamma$0.73 *10*) Q $I^{(2)}$*=113.6, ħω=0.318*
L **4864.3+u** *9*, J+20 γ_{4211+u}***653.7*** *2*
($\dagger_\gamma$0.61 *5*) Q $I^{(2)}$*=115.6, ħω=0.335*
L **5552.6+u** *9*, J+22 γ_{4864+u}***688.3*** *2*
($\dagger_\gamma$0.53 *5*) Q $I^{(2)}$*=118.0, ħω=0.353*
L **6274.8+u** *10*, J+24 γ_{5553+u}***722.2*** *3*
($\dagger_\gamma$0.34 *5*) Q $I^{(2)}$*=119.8, ħω=0.369*
L **7030.4+u** *10*, J+26 γ_{6275+u}***755.6*** *3*
($\dagger_\gamma$0.17 *4*) Q $I^{(2)}$*=120.5, ħω=0.386*
L **7819.2+u** *12*, J+28 γ_{7030+u}***788.8*** *6*
($\dagger_\gamma$0.09 *2*)
M **v**, J≈(21/2)
M **252.4+v** *7*, J+2 γ_0***252.4*** *7* $I^{(2)}$*=99.3, ħω=0.136*
M **545.1+v** *7*, J+4 γ_{252+v}***292.7*** *1* ($\dagger_\gamma$0.43 *7*) $I^{(2)}$*=99.0, ħω=0.156*
M **878.2+v** *7*, J+6 γ_{545+v}***333.1*** *1* ($\dagger_\gamma$0.76 *10*) $I^{(2)}$*=100.9, ħω=0.176*
M **1251.0+v** *7*, J+8 γ_{878+v}***372.75*** *10* ($\dagger_\gamma$1.07 *14*) $I^{(2)}$*=102.4, ħω=0.196*
M **1662.8+v** *8*, J+10 γ_{1251+v}***411.8*** *2* ($\dagger_\gamma$0.87 *19*) $I^{(2)}$*=103.9, ħω=0.216*
M **2113.1+v** *8*, J+12 γ_{1663+v}***450.3*** *1* ($\dagger_\gamma$0.97 *13*) $I^{(2)}$*=105.8, ħω=0.235*
M **2601.2+v** *8*, J+14 γ_{2113+v}***488.1*** *2* ($\dagger_\gamma$0.83 *13*) $I^{(2)}$*=107.8, ħω=0.253*
M **3126.4+v** *8*, J+16 γ_{2601+v}***525.2*** *2* ($\dagger_\gamma$0.57 *16*) $I^{(2)}$*=109.9, ħω=0.272*
M **3688.0+v** *8*, J+18 γ_{3126+v}***561.60*** *25* ($\dagger_\gamma$0.65 *10*) $I^{(2)}$*=112.4, ħω=0.290*
M **4285.2+v** *17*, J+20 γ_{3688+v}***597.2*** *15* ($\dagger_\gamma$0.97 *14*) $I^{(2)}$*=114.4, ħω=0.307*
M **4917.3+v** *17*, J+22 γ_{4285+v}***632.15*** *15* ($\dagger_\gamma$0.55 *10*) $I^{(2)}$*=117.5, ħω=0.325*
M **5583.5+v** *17*, J+24 γ_{4917+v}***666.2*** *2* ($\dagger_\gamma$0.53 *6*) $I^{(2)}$*=118.7, ħω=0.342*
M **6283.4+v** *18*, J+26 γ_{5584+v}***699.9*** *2* ($\dagger_\gamma$0.40 *8*) $I^{(2)}$*=122.0, ħω=0.358*
M **7016.1+v** *18*, J+28 γ_{6283+v}***732.7*** *4* $I^{(2)}$*=123.1, ħω=0.374*
M **7781.3+v** *18*, J+30 γ_{7016+v}***765.2*** *4* $I^{(2)}$*=127.8, ħω=0.390*
M **8577.8+v** *19*, J+32 γ_{7781+v}***796.5*** *6*
N **w**, J≈(23/2)
N **272.0+w** *10*, J+2 γ_0***272.0*** *10* $I^{(2)}$*=97.3, ħω=0.146*
N **585.1+w** *10*, J+4 γ_{272+w}***313.1*** *2* ($\dagger_\gamma$0.95 *16*) $I^{(2)}$*=101.4, ħω=0.166*
N **937.7+w** *10*, J+6 γ_{585+w}***352.55*** *10* ($\dagger_\gamma$0.96 *16*) $I^{(2)}$*=102.7, ħω=0.186*
N **1329.2+w** *11*, J+8 γ_{938+w}***391.5*** *4* ($\dagger_\gamma$1.44 *19*) $I^{(2)}$*=104.7, ħω=0.205*
N **1758.9+w** *11*, J+10 γ_{1329+w}***429.7*** *1* $I^{(2)}$*=107.0, ħω=0.224*
N **2226.0+w** *11*, J+12 γ_{1759+w}***467.1*** *2* ($\dagger_\gamma$1.07 *19*) $I^{(2)}$*=108.7, ħω=0.243*
N **2729.9+w** *11*, J+14 γ_{2226+w}***503.9*** *1* ($\dagger_\gamma$0.78 *14*) $I^{(2)}$*=111.6, ħω=0.261*
N **3269.6+w** *12*, J+16 γ_{2730+w}***539.75*** *25* ($\dagger_\gamma$0.70 *10*) $I^{(2)}$*=113.5, ħω=0.279*
N **3844.6+w** *12*, J+18 γ_{3270+w}***575.0*** *1* ($\dagger_\gamma$0.71 *12*) $I^{(2)}$*=116.1, ħω=0.296*
N **4454.1+w** *12*, J+20 γ_{3845+w}***609.45*** *10* ($\dagger_\gamma$0.64 *8*) $I^{(2)}$*=120.3, ħω=0.313*
N **5096.8+w** *12*, J+22 γ_{4454+w}***642.7*** *2* ($\dagger_\gamma$0.50 *5*) $I^{(2)}$*=119.8, ħω=0.330*
N **5772.9+w** *12*, J+24 γ_{5097+w}***676.1*** *3* ($\dagger_\gamma$0.40 *5*) $I^{(2)}$*=123.5, ħω=0.346*
N **6481.4+w** *13*, J+26 γ_{5773+w}***708.5*** *3* ($\dagger_\gamma$0.33 *6*) $I^{(2)}$*=127.0, ħω=0.362*
N **7221.4+w** *13*, J+28 γ_{6481+w}***740.0*** *3* $I^{(2)}$*=127.8, ħω=0.378*
N **7992.7+w** *13*, J+30 γ_{7221+w}***771.3*** *3* $I^{(2)}$*=137.0, ħω=0.393*
N **8793.2+w** *17*, J+32 γ_{7993+w}***800.5*** *10* (?)
O **z**, J≈(25/2)
O **280.9+z** *6*, J+2 γ_z***280.9*** *6* ($\dagger_\gamma$0.22 *5*) $I^{(2)}$*=93.7, ħω=0.151*
O **604.5+z** *6*, J+4 γ_{281+z}***323.6*** *2* ($\dagger_\gamma$0.58 *9*) $I^{(2)}$*=92.0, ħω=0.173*
O **971.6+z** *7*, J+6 γ_{605+z}***367.1*** *2* ($\dagger_\gamma$0.80 *12*) $I^{(2)}$*=92.6, ħω=0.194*
O **1381.9+z** *8*, J+8 γ_{972+z}***410.3*** *4* ($\dagger_\gamma$0.96 *17*) $I^{(2)}$*=94.6, ħω=0.216*
O **1834.5+z** *8*, J+10 γ_{1382+z}***452.6*** *3* ($\dagger_\gamma$1.04 *15*) $I^{(2)}$*=96.4, ħω=0.237*
O **2328.6+z** *9*, J+12 γ_{1835+z}***494.1*** *2* ($\dagger_\gamma$0.79 *12*) $I^{(2)}$*=96.9, ħω=0.257*
O **2864.0+z** *9*, J+14 γ_{2329+z}***535.4*** *3*

($\dagger_\gamma$0.71 *15*) $I^{(2)}$*=101.0, ħω=0.278*

O **3439.0+z** *10*, J+16 γ_{2864+z}***575.0*** *4*

($\dagger_\gamma$0.73 *15*) $I^{(2)}$*=116.1, ħω=0.296*

O **4053.3+z** *11*, J+18 γ_{3439+z}***614.3*** *5*

($\dagger_\gamma$0.58 *11*) $I^{(2)}$*=109.6, ħω=0.316*

O **4704.1+z** *13*, J+20 γ_{4053+z}***650.8*** *6*

($\dagger_\gamma$0.50 *12*) $I^{(2)}$*=108.7, ħω=0.335*

O **5391.7+z** *14*, J+22 γ_{4704+z}***687.6*** *7*

($\dagger_\gamma$0.46 *11*) $I^{(2)}$*=112.4, ħω=0.353*

O **6114.9+z** *16*, J+24 γ_{5392+z}***723.2*** *8*

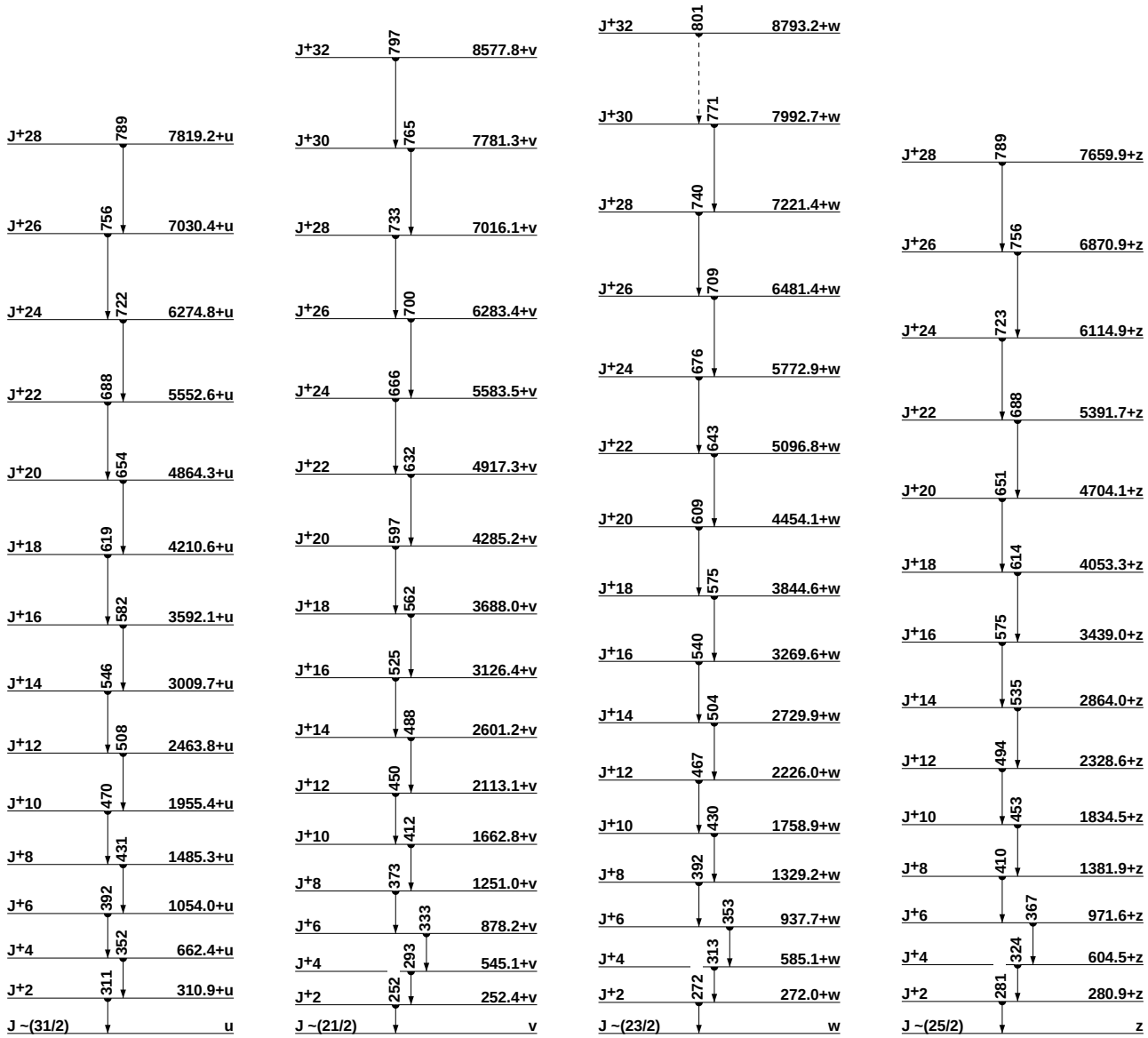
($\dagger_\gamma$0.41 *9*) $I^{(2)}$*=122.0, ħω=0.370*

O **6870.9+z** *20*, J+26 γ_{6115+z}***756.0*** *12*

($\dagger_\gamma$0.32 *8*) $I^{(2)}$*=121.2, ħω=0.386*

O **7659.9+z** *24*, J+28 γ_{6871+z}***789.0*** *13*

($\dagger_\gamma$0.19 *5*)



SD-1 band
(89Mo08,95Ca15,95So17)

SD-2 band
(90Ca18,95Ca15,95So17)

SD-3 band
(90Ca18,95Ca15,95So17)

SD-4 band
(95Ca15)

$^{191}_{80}$Hg