$^{133}_{60}$Nd

Δ: (–72500) **S_n:** (8900) **S_p:** (4400)
Q_{EC}: (5600) **Q_α:** (1400)

Nuclear Bands

- *A* α=-1/2 7/2[404]
- *B* α=1/2 7/2[404]
- *C* α=-1/2 9/2[514]
- *D* 1/2[541]
- *E* 1/2[530]
- *F* SD band (87Wa18,93Pa02)(93Ba20,94Ba25)
- *G* α=-1/2 1/2[400]
- *H* α=1/2 1/2[400]
- *I* α=1/2 9/2[514]
- *J* α=-1/2 5/2[402]
- *K* α=1/2 5/2[402]
- *L* Band Structure
- *M* Band Structure

Levels and γ-ray branchings:

A **0**, (7/2$^+$), 70 *10* s, %EC+%β^+=100

G **127.97** *11*, (1/2)$^+$, ≈ 70 s γ_0***127.9*** *6* ($\dagger_\gamma$100 *50*) M3

H **173.06** *9*, (3/2$^+$) γ_{128}***45.1*** *1* ($\dagger_\gamma$100 *12*) M1(+E2): δ<0.41

C **176.10** *10*, (9/2$^-$), ≈ 300 ns γ_0***176.1*** *1* ($\dagger_\gamma$100 *10*) E1

B **245.49** *10*, (9/2)$^+$ γ_0***245.5*** *1* ($\dagger_\gamma$100 *13*) E2

K **291.38** *8*, (5/2$^+$) γ_{173}***118.3*** *1* ($\dagger_\gamma$36 *5*) M1(+E2): δ<0.36 γ_0***291.4*** *1* ($\dagger_\gamma$100 *9*) M1

I **338.87** *22*, (11/2$^-$) γ_{176}***162.8*** *2* ($\dagger_\gamma$100 *28*) M1+E2

345.23 *9*, $^+$ γ_{291}***54.0*** *2* ($\dagger_\gamma$2.3 *6*) γ_0***345.2*** *1* ($\dagger_\gamma$100 *11*) E2

E **353.64** *12*, (3/2$^-$), ≈ 50 ns γ_{291}***62.3*** *3* ($\dagger_\gamma$2.4 *8*) γ_{173}***180.6*** *1* ($\dagger_\gamma$100) E1

G **397.93** *11*, (5/2$^+$) γ_{173}***224.9*** *1* ($\dagger_\gamma$100 *15*) M1 γ_{128}***270.0*** *4* ($\dagger_\gamma$92 *17*) E2

399.81 *19*, (1/2,3/2)$^+$ γ_{128}***271.9*** *4* ($\dagger_\gamma$100 *20*) M1

442.51 *14*, (7/2,9/2,11/2)$^-$ γ_{176}***266.4*** *1* ($\dagger_\gamma$100 *12*) M1+E2

444.67 *14* γ_{173}***271.4*** *4* ($\dagger_\gamma$84 *20*) γ_{128}***316.7*** *1* ($\dagger_\gamma$100 *24*)

472.15 *11*, (3/2,5/2,7/2)$^+$ γ_{291}***180.8*** *5* ($\dagger_\gamma$19 *4*) E2 γ_{173}***299.1*** *1* ($\dagger_\gamma$100 *13*) E2 γ_0***472.2*** *2* ($\dagger_\gamma$42 *8*)

J **483.52** *11*, (7/2$^+$) γ_{291}***192.1*** *1* ($\dagger_\gamma$100 *14*) E2 γ_0***483.5*** *2* ($\dagger_\gamma$55 *6*)

H **491.90** *19*, (7/2$^+$) γ_{291}***200.5*** *4* ($\dagger_\gamma$100 *27*) E2 γ_{173}***318.8*** *4* ($\dagger_\gamma$55 *27*) γ_0***491.9*** *3* ($\dagger_\gamma$40 *5*)

E **492.32** *21*, (7/2$^-$) γ_{354}***138.7*** *2* ($\dagger_\gamma$100 *10*) E2

A **519.4** *6*, (11/2$^+$) γ_{245}***274*** γ_0***519***

D **523.84** *16*, (5/2$^-$) γ_{354}***170.2*** *1* ($\dagger_\gamma$100 *11*) E2

554.99 *13*, (1/2$^+$,3/2,5/2$^+$) γ_{398}***157.2*** *2* ($\dagger_\gamma$6.6 *11*) γ_{173}***381.9*** *1* ($\dagger_\gamma$100 *22*) M1+E2 γ_{128}***427.0*** *4* ($\dagger_\gamma$78 *17*)

585.4 *4* γ_{176}***409.4*** *4* ($\dagger_\gamma$100 *31*)

587.1 *4* γ_{173}***414.0*** *4* ($\dagger_\gamma$100 *24*)

628.3 *4* γ_{339}***289.6*** *5* ($\dagger_\gamma$30 *4*) γ_{176}***452.1*** *4* ($\dagger_\gamma$100 *20*)

C **646.6** *7*, (13/2$^-$) γ_{339}***307.7*** ($\dagger_\gamma$91 *18*) M1+E2 γ_{176}***470.8*** ($\dagger_\gamma$100 *11*) E2

660.30 *21* γ_{445}***215.6*** *6* ($\dagger_\gamma$68 *9*) γ_{173}***487.2*** *2* ($\dagger_\gamma$100 *30*) γ_{128}***532.7*** *6* ($\dagger_\gamma$8 *2*)

674.61 *16* γ_{400}***274.7*** *6* ($\dagger_\gamma$21 *3*) γ_{345}***329.4*** *2* ($\dagger_\gamma$100 *10*) γ_{245}***429.1*** *4* ($\dagger_\gamma$100 *20*) γ_{128}***546.6*** *4* ($\dagger_\gamma$50 *20*) γ_0***674.6*** *4* ($\dagger_\gamma$83 *8*)

K **687.7** *6*, (9/2$^+$) γ_{484}***204*** γ_{291}***396*** γ_{245}***443***

738.84 *22* γ_{398}***340.9*** *2* ($\dagger_\gamma$100 *33*) γ_{173}***565.8*** *7* ($\dagger_\gamma$83 *33*)

D **758.8** *11*, (9/2$^-$) γ_{524}***235***

787.83 *14* γ_{398}***389.9*** *2* ($\dagger_\gamma$100 *9*) γ_{345}***442.5*** *2* ($\dagger_\gamma$80 *9*) γ_{173}***614.8*** *4* ($\dagger_\gamma$91 *23*) γ_0***788.0*** *3* ($\dagger_\gamma$73 *9*)

806.45 *20* γ_{472}***334.5*** *3* ($\dagger_\gamma$64 *6*) γ_{445}***361.7*** *4* ($\dagger_\gamma$50 *13*) γ_{400}***406.5*** *4* ($\dagger_\gamma$50 *13*) γ_{398}***408.4*** *4* ($\dagger_\gamma$75 *25*) γ_{291}***514.9*** *8* ($\dagger_\gamma$100 *25*)

E **808.2** *9*, (11/2$^-$) $\gamma_{491.9}$***316***

G **825.0** *7*, (9/2$^+$) $\gamma_{491.9}$***332*** γ_{398}***428***

B **826.5** *7*, (13/2$^+$) γ_{519}***307*** γ_{245}***581***

I **836.9** *7*, (15/2$^-$) γ_{647}***190.3*** ($\dagger_\gamma$19 *4*) M1+E2 γ_{339}***498.0*** ($\dagger_\gamma$100) E2

837.5 *5* γ_{445}***392.8*** *4* ($\dagger_\gamma$100)

879.37 *17* $\gamma_{491.9}$***387.5*** *4* ($\dagger_\gamma$30 *15*) γ_{291}***588.0*** *6* ($\dagger_\gamma$30 *15*) γ_{245}***633.9*** *2* ($\dagger_\gamma$56 *6*) γ_{173}***706.3*** *4* ($\dagger_\gamma$30 *15*) γ_0***879.2*** *5* ($\dagger_\gamma$100 *11*)

J **912.7** *7*, (11/2$^+$) γ_{688}***225*** γ_{484}***429***

932.2 *6* γ_{345}***587.0*** *6* ($\dagger_\gamma$100 *25*)

937.09 *17* γ_{400}***537.3*** *3* ($\dagger_\gamma$11 *5*) γ_{398}***539.1*** *4* ($\dagger_\gamma$14 *6*) γ_{345}***591.9*** *8* ($\dagger_\gamma$25 *4*) γ_{291}***645.7*** *2* ($\dagger_\gamma$100 *27*)

H **963.3** *8*, (11/2$^+$) $\gamma_{492.3}$***471***

979.8 *7* γ_{354}***626.2*** *6* ($\dagger_\gamma$100 *33*)

985.91 *16* γ_{400}***586.1*** *6* ($\dagger_\gamma$9 *4*) γ_{398}***588.1*** *6* ($\dagger_\gamma$35 *4*) γ_{354}***632.4*** *3* ($\dagger_\gamma$22 *9*) γ_{173}***812.9*** *2* ($\dagger_\gamma$100 *17*) γ_{128}***857.8*** *2* ($\dagger_\gamma$37 *4*)

999.2 *5* γ_{585}***413.9*** *4* ($\dagger_\gamma$42 *12*)

γ_{443}***556.4*** *6* ($\dagger_\gamma$100 *50*)
1007.0 *5* γ_{585}***421.6*** *2* ($\dagger_\gamma$100 *12*)
1013.67 *14* $\gamma_{491.9}$***521.5*** *4* ($\dagger_\gamma$16 *2*)
γ_{484}***529.9*** *3* ($\dagger_\gamma$15 *2*) γ_{354}***660.1*** *2*
($\dagger_\gamma$31 *3*) γ_{291}***722.2*** *4* ($\dagger_\gamma$75 *17*)
γ_{128}***885.7*** *2* ($\dagger_\gamma$100 *8*) γ_{0}***1013.7*** *4*
($\dagger_\gamma$19 *4*)

D **1116.8** *15*, $(13/2^-)$ γ_{759}***358***
1120.21 *23* γ_{484}***636.5*** *5* ($\dagger_\gamma$22 *11*)
γ_{400}***720.5*** *4* ($\dagger_\gamma$29 *16*) γ_{398}***722.3*** *4*
($\dagger_\gamma$44 *22*) γ_{291}***828.8*** *7* ($\dagger_\gamma$100 *11*)
γ_{245}***874.7*** *5* ($\dagger_\gamma$67 *22*)

K **1130.7** *9*, $(13/2^+)$ γ_{913}***218*** γ_{688}***443***

A **1150.6** *8*, $(15/2^+)$ γ_{827}***324*** γ_{519}***631***
1154.5 *3* γ_{291}***863.1*** *4* ($\dagger_\gamma$56 *15*)
γ_{0}***1154.5*** *4* ($\dagger_\gamma$100 *19*)
1183.1 *6* γ_{354}***829.5*** *5* ($\dagger_\gamma$100 *20*)
1195.6 *5* γ_{354}***842.0*** *4* ($\dagger_\gamma$100 *20*)
1206.0 *7* $\gamma_{492.3}$***713.7*** *6* ($\dagger_\gamma$100 *12*)
1209.1 *4* γ_{354}***855.5*** *3* ($\dagger_\gamma$100 *40*)
1230.1 *5* γ_{354}***876.5*** *5* ($\dagger_\gamma$100 *24*)
γ_{245}***984.5*** *8* ($\dagger_\gamma$26 *26*)

C **1271.4** *9*, $(17/2^-)$ γ_{838}***434*** γ_{647}***625***

E **1280.0** *9*, $(15/2^-)$ γ_{808}***472***
1280.4 *7* γ_{354}***926.8*** *6* ($\dagger_\gamma$100 *17*)

G **1359.6** *8*, $(13/2^+)$ γ_{963}***396*** γ_{825}***535***

J **1364.7** *10*, $(15/2^+)$ γ_{1131}***234*** γ_{913}***452***

I **1460.6** *10*, $(19/2^-)$ γ_{1271}***189*** γ_{837}***624.0***
E2

B **1491.6** *9*, $(17/2^+)$ γ_{1151}***341*** γ_{827}***665***

H **1540.5** *9*, $(15/2^+)$ γ_{963}***577***
1595.8 *4* γ_{555}***1041.1*** *9* ($\dagger_\gamma$24 *24*)
γ_{345}***1251.0*** *5* ($\dagger_\gamma$82 *11*) γ_{0}***1595.2*** *5*
($\dagger_\gamma$100 *16*)

D **1598.8** *18*, $(17/2^-)$ γ_{1117}***482***

K **1622.7** *11*, $(17/2^+)$ γ_{1365}***258*** γ_{1131}***492***
1770.5 *5* γ_{345}***1425.3*** *5* ($\dagger_\gamma$100 *21*)

A **1798.7** *10*, $(19/2^+)$ γ_{1492}***307*** γ_{1151}***648***
1834.3 *8* γ_{345}***1489.1*** *8* ($\dagger_\gamma$100 *69*)

E **1871.2** *11*, $(19/2^-)$ $\gamma_{1280.0}$***591***
1886.5 *4* γ_{354}***1532.7*** *4* ($\dagger_\gamma$100 *28*)
γ_{345}***1541.6*** *6* ($\dagger_\gamma$52 *31*)

J **1934.7** *12*, $(19/2^+)$ γ_{1623}***312*** γ_{1365}***570***

G **1962.5** *9*, $(17/2^+)$ γ_{1541}***422*** γ_{1360}***603***
2005.0 *4* γ_{354}***1651.4*** *3* ($\dagger_\gamma$100 *22*)

C **2010.5** *11*, $(21/2^-)$ γ_{1461}***550*** γ_{1271}***739***

F **2026.6** *7*, $(17/2^+)$ γ_{1541}***486*** ($\dagger_\gamma$0.024 *6*)
γ_{1360}***667*** ($\dagger_\gamma$0.20 *3*) $\gamma_{1280.0}$***747***
($\dagger_\gamma$0.06 *1*) γ_{837}***1190*** ($\dagger_\gamma$0.043 *12*)
2043.4 *4* γ_{354}***1689.8*** *3* ($\dagger_\gamma$100)
2076.7 γ_{354}***1723.1*** *3*

B **2088.8** *10*, $(21/2^+)$ γ_{1799}***290*** γ_{1492}***597***

H **2159.5** *13*, $(19/2^+)$ γ_{1541}***619***

D **2185.8** *20*, $(21/2^-)$ γ_{1599}***587***

I **2199.5** *12*, $(23/2^-)$ γ_{2011}***189*** γ_{1461}***739***

K **2311.7** *13*, $(21/2^+)$ γ_{1935}***377*** γ_{1623}***689***

F **2371.3** *9*, $(21/2^+)$, 4.9 *15* ps γ_{2027}***345***
($\dagger_\gamma$0.33 *4*) $I^{(1)}$*=53.4*, $I^{(2)}$*=41.7*,
$\hbar\omega$*=0.197* γ_{1963}***409*** ($\dagger_\gamma$0.25 *3*)
γ_{1871}***500*** ($\dagger_\gamma$0.045 *10*)

A **2383.7** *11*, $(23/2^+)$ γ_{2089}***295*** γ_{1799}***585***
2451.2 *3* γ_{400}***2051.5*** *5* ($\dagger_\gamma$75 *25*)
γ_{398}***2053.0*** *5* ($\dagger_\gamma$100 *25*) γ_{291}***2160.0*** *5*
($\dagger_\gamma$50 *25*)

E **2538.2** *15*, $(23/2^-)$ γ_{1871}***667***

G **2553.6** *10*, $(21/2^+)$ γ_{2027}***527*** γ_{1963}***591***

J **2674.7** *14*, $(23/2^+)$ γ_{2312}***363*** γ_{1935}***740***

B **2692.8** *11*, $(25/2^+)$ γ_{2384}***309*** γ_{2089}***604***

H **2764.5** *17*, $(23/2^+)$ γ_{2160}***605***

F **2812.0** *10*, $(25/2^+)$, 2.1 *7* ps γ_{2371}***441***
($\dagger_\gamma$0.61 *5*) (E2) $I^{(1)}$*=52.4*, $I^{(2)}$*=54.8*,
$\hbar\omega$*=0.239* γ_{2089}***723*** ($\dagger_\gamma$0.029 *7*)

C **2813.5** *13*, $(25/2^-)$ γ_{2200}***614*** γ_{2011}***803***

D **2848.8** *23*, $(25/2^-)$ γ_{2186}***663***

M **3019.5** *15* γ_{2011}***1009***

A **3019.7** *11*, $(27/2^+)$ γ_{2693}***327*** γ_{2384}***636***

I **3027.5** *13*, $(27/2^-)$ γ_{2814}***214*** γ_{2200}***828***

L **3030.5** *15* γ_{2011}***1020***

K **3089.7** *16*, $(25/2^+)$ γ_{2312}***778***

G **3128.6** *14*, $(25/2^+)$ γ_{2554}***575***

M **3019+x**

E **3205.2** *18*, $(27/2^-)$ γ_{2538}***667***

F **3326.1** *11*, $(29/2^+)$, <1.25 ps $\gamma_{3019.5}$***307***
($\dagger_\gamma$0.05 *1*) γ_{2812}***514*** ($\dagger_\gamma$0.65 *5*) (E2)
$I^{(1)}$*=51.9*, $I^{(2)}$*=44.4*, $\hbar\omega$*=0.279*
γ_{2693}***633*** ($\dagger_\gamma$0.24 *3*)

B **3364.8** *11*, $(29/2^+)$ $\gamma_{3019.5}$***345*** γ_{2812}***553***
γ_{2693}***672***

L **3401.5** *18* γ_{3031}***371***

H **3418.5** *20*, $(27/2^+)$ γ_{2765}***654***

D **3550.8** *25*, $(29/2^-)$ γ_{2849}***702***

C **3568.5** *14* γ_{3028}***541*** γ_{2814}***755***

M **3511.0+x** *10* γ_{3019+x}***492***

A **3714.8** *13*, $(31/2^+)$ γ_{3365}***350*** $\gamma_{3019.5}$***695***

G **3764.6** *18*, $(29/2^+)$ γ_{3129}***636***

E **3770.2** *20*, $(31/2^-)$ γ_{3205}***565***

I **3909.5** *17*, $(31/2^-)$ γ_{3028}***882***

F **3930.0** *13*, $(33/2^+)$ γ_{3365}***565*** ($\dagger_\gamma$0.07 *2*)
γ_{3326}***604*** ($\dagger_\gamma$0.93 *6*) $I^{(1)}$*=51.2*,
$I^{(2)}$*=50.0*, $\hbar\omega$*=0.322*

L **4000.5** *21* γ_{3402}***599***

B **4076.8** *13*, (33/2$^+$) γ_{3715}***362*** γ_{3365}***712***

H **4123.5** *22*, (31/2$^+$) γ_{3419}***705***

D **4281** *3*, (33/2$^-$) γ_{3551}***730***

M **4219.0+x** *15* γ_{3511+x}***708***

E **4407.2** *23*, (35/2$^-$) γ_{3770}***637***

A **4457.8** *14*, (35/2$^+$) γ_{4077}***381*** γ_{3715}***743***

G **4468.6** *20*, (33/2$^+$) γ_{3765}***704***

F **4614.0** *16*, (37/2$^+$) γ_{3930}***684*** ($\dagger_\gamma$1.00)
$I^{(1)}$*=51.2,* $I^{(2)}$*=51.3,* $\hbar\omega$*=0.362*

I **4684.5** *20* γ_{3910}***775***

L **4787.5** *23* γ_{4001}***787***

B **4859.8** *17*, (37/2$^+$) γ_{4077}***783***

H **4877.5** *24*, (35/2$^+$) γ_{4124}***754***

L **4933.5** *23* γ_{4001}***933***

D **5056** *3*, (37/2$^-$) γ_{4281}***775***

E **5167.2** *25*, (39/2$^-$) γ_{4407}***760***

M **5089.0+x** *18* γ_{4219+x}***870***

G **5210.6** *23*, (37/2$^+$) γ_{4469}***742***

A **5278.8** *18*, (39/2$^+$) γ_{4458}***821***

F **5376.0** *19*, (41/2$^+$), μ=6.3 *16* γ_{4614}***762***
($\dagger_\gamma$0.75) $I^{(1)}$*=51.3,* $I^{(2)}$*=54.1,* $\hbar\omega$*=0.400*

H **5668** *3*, (39/2$^+$) γ_{4878}***790***

B **5711.8** *19*, (41/2$^+$) γ_{4860}***852***

B **5897** *3*, (41/2$^-$) γ_{5056}***841***

L **5956.5** *25* γ_{4934}***1023***

G **5968.6** *25*, (41/2$^+$) γ_{5211}***758***

E **6052** *3*, (43/2$^-$) γ_{5167}***885***

A **6157.8** *20*, (43/2$^+$) γ_{5279}***879***

F **6212.0** *22*, (45/2$^+$) γ_{5376}***836*** ($\dagger_\gamma$0.65)
$I^{(1)}$*=51.7,* $I^{(2)}$*=58.8,* $\hbar\omega$*=0.435*

B **6618.8** *22*, (45/2$^+$) γ_{5712}***907***

D **6817** *4*, (45/2$^-$) γ_{5897}***920***

E **7039** *3*, (47/2$^-$) γ_{6052}***987***

A **7094.8** *23*, (47/2$^+$) γ_{6158}***937***

F **7116.0** *24*, (49/2$^+$) γ_{6212}***904*** ($\dagger_\gamma$0.55)
$I^{(1)}$*=52.4,* $I^{(2)}$*=63.5,* $\hbar\omega$*=0.468*

B **7586.8** *24*, (49/2$^+$) γ_{6619}***968***

D **7823** *4*, (49/2$^-$) γ_{6817}***1006***

F **8083** *3*, (53/2$^+$) γ_{7116}***967*** ($\dagger_\gamma$0.40)
$I^{(1)}$*=53.1,* $I^{(2)}$*=64.5,* $\hbar\omega$*=0.499*

A **8096.8** *25*, (51/2$^+$) γ_{7095}***1002***

E **8116** *3*, (51/2$^-$) γ_{7039}***1077***

B **8623** *3*, (53/2$^+$) γ_{7587}***1036***

D **8911** *4*, (53/2$^-$) γ_{7823}***1088***

F **9112** *3*, (57/2$^+$), <0.03 ps γ_{8083}***1029***
($\dagger_\gamma$0.32) $I^{(1)}$*=53.7,* $I^{(2)}$*=63.5,* $\hbar\omega$*=0.530*

A **9169** *3*, (55/2$^+$) γ_{8097}***1072***

E **9275** *4*, (55/2$^-$) γ_{8116}***1159***

B **9730** *3*, (57/2$^+$) γ_{8623}***1107***

D **10093** *4*, (57/2$^-$) γ_{8911}***1182***

F **10204** *3*, (61/2$^+$), <0.03 ps γ_{9112}***1092***
($\dagger_\gamma$0.20) $I^{(1)}$*=54.2,* $I^{(2)}$*=60.6,* $\hbar\omega$*=0.563*

A **10316** *3*, (59/2$^+$) γ_{9169}***1147***

E **10513** *4*, (59/2$^-$) γ_{9275}***1238***

B **10914** *3*, (61/2$^+$) γ_{9730}***1184***

F **11362** *3*, (65/2$^+$), <0.03 ps γ_{10204}***1158***
($\dagger_\gamma$0.15) $I^{(1)}$*=54.5,* $I^{(2)}$*=57.1,* $\hbar\omega$*=0.597*

A **11541** *3*, (63/2$^+$) γ_{10316}***1225***

B **12180** *4*, (65/2$^+$) γ_{10914}***1266***

F **12590** *4*, (69/2$^+$), <0.03 ps γ_{11362}***1228***
($\dagger_\gamma$0.10) $I^{(1)}$*=54.6,* $I^{(2)}$*=55.6,* $\hbar\omega$*=0.632*

A **12841** *4*, (67/2$^+$) γ_{11541}***1300***

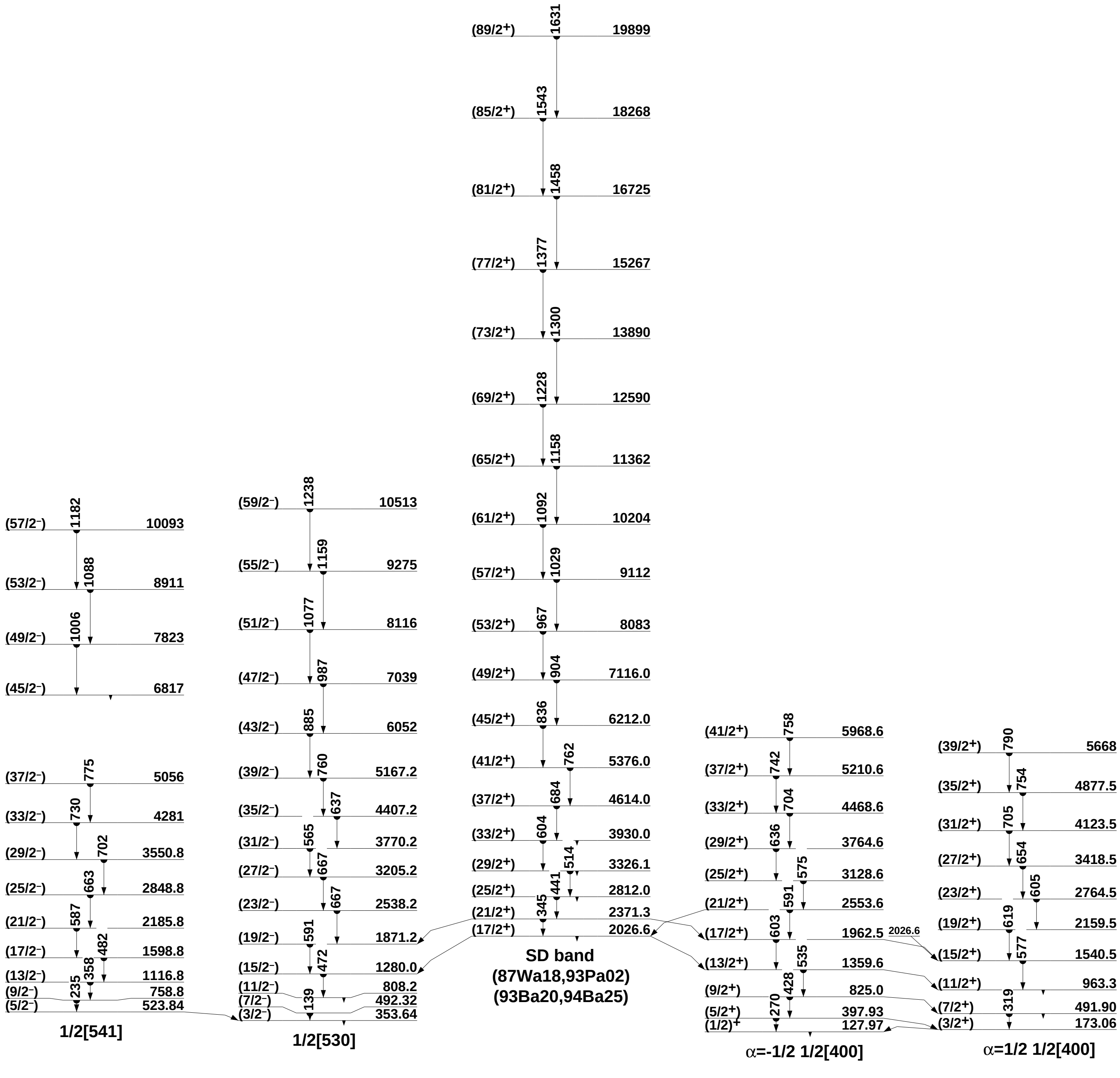
F **13890** *4*, (73/2$^+$), <0.03 ps γ_{12590}***1300***
($\dagger_\gamma$0.04) $I^{(1)}$*=54.5,* $I^{(2)}$*=51.9,* $\hbar\omega$*=0.669*

F **15267** *4*, (77/2$^+$), <0.03 ps γ_{13890}***1377***
$I^{(1)}$*=54.3,* $I^{(2)}$*=49.4,* $\hbar\omega$*=0.709*

F **16725** *4*, (81/2$^+$), <0.03 ps γ_{15267}***1458***
$I^{(1)}$*=54.0,* $I^{(2)}$*=47.1,* $\hbar\omega$*=0.750*

F **18268** *4*, (85/2$^+$), <0.03 ps γ_{16725}***1543***
$I^{(1)}$*=53.6,* $I^{(2)}$*=45.5,* $\hbar\omega$*=0.793*

F **19899** *4*, (89/2$^+$), <0.03 ps γ_{18268}***1631***


1/2[541]
1/2[530]
SD band
(87Wa18,93Pa02)
(93Ba20,94Ba25)
α=-1/2 1/2[400]
α=1/2 1/2[400]

$^{133}_{60}$Nd