$^{244}_{95}$Am

Δ: 59875.9 *21* **S_n:** 5363.7 *9* **S_p:** 5163 *3*
Q_{β^-}: 1428.1 *9* **Q_{EC}:** 76 *5* **Q_α:** 5130 *15*
σ_f(for 0): 2300 *300* b , **σ_f**(for 70): 1600 *300* b

Nuclear Bands

- *A* π5/2[523]+ν7/2[624]
- *B* π5/2[642]-ν7/2[624]
- *C* π5/2[523]-ν7/2[624]
- *D* π3/2[521]-ν7/2[624]
- *E* π5/2[523]-ν5/2[622]
- *F* π1/2[400]-ν7/2[624]
- *G* π7/2[633]-ν7/2[624]
- *H* π5/2[642]-ν1/2[631]?
- *I* π5/2[523]-ν9/2[734]
- *J* π5/2[523]+ν1/2[631]
- *K* π5/2[523]-ν1/2[631]
- *L* π5/2[642]-ν9/2[734]
- *M* π3/2[651]-ν7/2[624]
- *N* π3/2[521]-ν5/2[622]
- *O* Fission isomer

Levels and γ-ray branchings:

A **0**, (6^-), 10.1 *1* h, %β^-=100

B **88.0** *30*, 1^+, ≈ 26 m, %β^-=99.9639 *13*, %EC=0.0361 *13*

B **100.3092** *11*, $(2)^+$

B **123.2811** *11*, $(3)^+$ γ_{100}***22.975*** *10* (†$_\gamma$100 *20*) M1 γ_{88}***35.31*** *3* (†$_\gamma$0.10 *2*) E2

B **148.2831** *16*, $(4)^+$ γ_{123}***25.034*** *20* (†$_\gamma$100) M1

C **175.6573** *10*, $(1)^-$ γ_{100}***75.3475*** *13* (†$_\gamma$67 *10*) E1+M2: δ=0.025 *6*
γ_{88}***87.6553*** *15* (†$_\gamma$100 *17*) E1+M2: δ=0.020 *6*

B **183.511** *5*, $(5)^+$ γ_{148}***35.23*** *3* (†$_\gamma$100) M1

C **197.2947** *11*, $(2)^-$ γ_{176}***21.636*** *10* (†$_\gamma$49 *10*) M1 γ_{123}***74.0144*** *7* (†$_\gamma$100 *14*) E1(+M2): δ=0.052 *20* γ_{100}***96.9851*** *10* (†$_\gamma$63 *10*) E1

C **228.2990** *12*, $(3)^-$ γ_{197}***31.00*** *1* (†$_\gamma$30 *6*) M1 γ_{176}***52.64*** *1* (†$_\gamma$2.9 *6*) E2
γ_{148}***80.0156*** *11* (†$_\gamma$41 *7*) E1(+M2): δ=0.123 *25* γ_{123}***105.011*** *6* (†$_\gamma$3.3 *14*) γ_{100}***127.9891*** *24* (†$_\gamma$100 *8*) E1(+M2): δ=0.12 *5*

D **261.6962** *11*, $(2)^-$ γ_{228}***33.396*** *10* (†$_\gamma$8.5 *16*) M1 γ_{197}***64.4013*** *20* (†$_\gamma$60 *9*) M1+E2: δ=0.015 *10* γ_{176}***86.0376*** *10* (†$_\gamma$100 *14*) M1+E2: δ=0.3 *2*
γ_{123}***138.4157*** *17* (†$_\gamma$22 *4*)
γ_{100}***161.391*** *4* (†$_\gamma$6.4 *16*)
γ_{88}***173.698*** *4* (†$_\gamma$68 *11*)

C **272.2018** *17*, $(4)^-$ γ_{228}***43.904*** *10* (†$_\gamma$77 *15*) M1 γ_{197}***74.918*** *10* (†$_\gamma$29 *5*) E2 γ_{123}***148.9208*** *19* (†$_\gamma$100 *20*) E1

E **289.2119** *12*, $(1)^-$ γ_{197}***91.9252*** *13* (†$_\gamma$55 *10*) M1 γ_{176}***113.5625*** *12* (†$_\gamma$100 *17*) M1+E2: δ=0.3 *2*
γ_{100}***188.910*** *5* (†$_\gamma$35 *5*) E1
γ_{88}***201.219*** *4* (†$_\gamma$20 *4*) E1

D **296.6583** *26*, $(3)^-$ γ_{262}***34.975*** *15* (†$_\gamma$100) E2

C **322.7506** *24*, $(5)^-$ γ_{272}***50.550*** *10* (†$_\gamma$54 *12*) M1 γ_{228}***94.454*** *4* (†$_\gamma$31 *7*)
γ_{148}***174.466*** *5* (†$_\gamma$100 *17*)

E **335.575** *4*, $(0)^-$ γ_{289}***46.375*** *20* (†$_\gamma$100) M1

E **342.6498** *13*, $(3)^-$ γ_{289}***53.43*** *1* (†$_\gamma$14 *3*) E2 γ_{272}***70.4522*** *24* (†$_\gamma$8.9 *36*) M1
γ_{262}***81.3663*** *10* (†$_\gamma$29 *5*) M1
γ_{228}***114.3510*** *17* (†$_\gamma$100 *15*) M1
γ_{197}***145.356*** *4* (†$_\gamma$26 *4*) M1
γ_{148}***194.363*** *8* (†$_\gamma$28 *7*)
γ_{123}***219.365*** *13* (†$_\gamma$25 *10*)

D **343.658** *3*, $(4)^-$ γ_{228}***115.362*** *4* (†$_\gamma$70 *14*) M1 γ_{123}***220.380*** *5* (†$_\gamma$100 *20*) E1

F **348.4047** *16*, $(3)^+$ γ_{148}***200.117*** *3* (†$_\gamma$17 *4*) M1+E2: δ=1.1 *3* γ_{123}***225.120*** *5* (†$_\gamma$60 *11*) M1+E2: δ=0.76 *20*
γ_{100}***248.097*** *5* (†$_\gamma$100 *17*) M1+E2: δ=0.66 *22* γ_{88}***260.39*** *4* (†$_\gamma$2.0 *7*)

E **361.8376** *20*, $(2)^-$ γ_{289}***72.6184*** *12* (†$_\gamma$100) M1
367.6 *10* (?)

G **377.0566** *22*, $(0)^+$ γ_{176}***201.393*** *9* (†$_\gamma$11 *4*)
γ_{88}***289.0570*** *22* (†$_\gamma$100 *25*) M1

F **390.028** *7*, $(4)^+$ γ_{348}***41.63*** *2* (†$_\gamma$24 *12*) M1
γ_{184}***206.559*** *20* (†$_\gamma$100 *25*)
γ_{148}***241.721*** *13* (†$_\gamma$30 *10*) (M1)
γ_{123}***266.732*** *4* (†$_\gamma$91 *14*) (M1)

D **398.743** *4*, (5^-) γ_{272}***126.541*** *5* (†$_\gamma$43 *13*)
γ_{148}***250.43*** *5* (†$_\gamma$100 *25*)

G **414.6889** *14*, $(2)^+$ γ_{148}***266.37*** *3* (†$_\gamma$1.5 *5*)
γ_{123}***291.4059*** *19* (†$_\gamma$73 *18*) M1
γ_{100}***314.382*** *3* (†$_\gamma$100 *17*) M1
γ_{88}***326.6902*** *22* (†$_\gamma$37 *7*) M1

H **418.957** *2*, $(2)^+$ γ_{297}***122.299*** *3* (†$_\gamma$22 *4*) E1 γ_{100}***318.6478*** *24* (†$_\gamma$100 *20*) M1
γ_{88}***330.9556*** *23* (†$_\gamma$84 *14*) M1

I **420.1309** *14*, $(2)^+$ γ_{262}***158.4352*** *10* (†$_\gamma$7.1 *10*) E1 γ_{228}***191.829*** *4* (†$_\gamma$1.0 *2*)
γ_{197}***222.834*** *3* (†$_\gamma$28 *5*) E1
γ_{176}***244.471*** *3* (†$_\gamma$100 *20*) E1(+M2): δ=0.10 *3* γ_{123}***296.848*** *3* (†$_\gamma$29 *5*) M1 γ_{100}***319.821*** *3* (†$_\gamma$5.8 *19*) M1+E2: δ=1.5 *5* γ_{88}***332.134*** *3* (†$_\gamma$5.1 *9*) M1

J **421.2035** *16*, $(3)^-$ γ_{348}***72.7992*** *7* (†$_\gamma$100 *17*) E1(+M2): δ=0.04 *2*

γ_{262}**159.506** *10* (†$_\gamma$6.5 *13*)
γ_{228}**192.907** *4* (†$_\gamma$5.4 *11*)
γ_{123}**297.920** *6* (†$_\gamma$5.3 *16*)
γ_{100}**320.887** *4* (†$_\gamma$6.5 *22*)
431.0 *3*

E **435.036** *3*, (4)$^-$ γ_{323}**112.285** *3* (†$_\gamma$80 *19*) M1 γ_{272}**162.819** *6* (†$_\gamma$<130)
γ_{228}**206.718** *18* (†$_\gamma$100 *19*)
γ_{184}**251.509** *13* (†$_\gamma$54 *12*)
γ_{148}**286.74** *3* (†$_\gamma$<54)

E **437.310** *3*, (5$^-$) γ_{343}**94.666** *5* (†$_\gamma$54 *13*)
γ_{323}**114.557** *3* (†$_\gamma$100 *17*)
γ_{272}**165.110** *6* (†$_\gamma$61 *15*)

I **444.381** *3*, (3)$^+$ γ_{228}**216.087** *5* (†$_\gamma$80 *16*)
γ_{148}**296.103** *5* (†$_\gamma$100 *18*) M1
γ_{123}**321.098** *9* (†$_\gamma$23 *6*) γ_{100}**344.054** *9* (†$_\gamma$86 *40*) M1

G **454.002** *3*, (1)$^+$ γ_{420}**33.888** *10* (†$_\gamma$6.8 *12*) M1 γ_{100}**353.693** *4* (†$_\gamma$54 *10*) M1
γ_{88}**365.9998** *24* (†$_\gamma$100 *17*) M1

H **456.8632** *23*, (4)$^+$ γ_{148}**308.5818** *21* (†$_\gamma$100 *15*) M1 γ_{123}**333.585** *3* (†$_\gamma$33 *6*) M1

J **466.263** *5*, (4)$^-$ γ_{421}**45.074** *10* (†$_\gamma$100 *30*) M1 γ_{297}**169.597** *7* (†$_\gamma$<80) M1
γ_{272}**194.079** *13* (†$_\gamma$24 *6*)

478.0960 *18*, (2)$^+$ γ_{419}**59.139** *10* (†$_\gamma$8 *2*) M1 γ_{123}**354.8132** *24* (†$_\gamma$80 *20*) M1
γ_{100}**377.790** *3* (†$_\gamma$100 *20*) M1
γ_{88}**390.100** *3* (†$_\gamma$24 *5*)

I **478.3491** *26*, (4)$^+$ γ_{272}**206.147** *10* (†$_\gamma$37 *8*) γ_{228}**250.044** *4* (†$_\gamma$100 *20*)
γ_{148}**330.067** *7* (†$_\gamma$17 *4*) γ_{123}**355.068** *4* (†$_\gamma$90 *20*) M1 γ_{100}**378.051** *7* (†$_\gamma$<33)

K **484.7911** *20*, (2)$^-$ γ_{348}**136.3836** *15* (†$_\gamma$100 *16*) E1 γ_{197}**287.5004** *19* (†$_\gamma$85 *15*) M1 γ_{176}**309.138** *7* (†$_\gamma$4.0 *8*)

G **495.394** *3*, (4)$^+$ γ_{184}**311.899** *11* (†$_\gamma$11 *3*)
γ_{148}**347.110** *3* (†$_\gamma$92 *23*) M1
γ_{123}**372.113** *3* (†$_\gamma$100 *20*) M1

G **514.1423** *22*, (3)$^+$ γ_{148}**365.859** *3* (†$_\gamma$100 *24*) M1 γ_{123}**390.858** *4* (†$_\gamma$64 *13*) M1 γ_{100}**413.836** *4* (†$_\gamma$24 *8*) (M1)

I **516.267** *8*, (5$^+$) γ_{323}**193.522** *6* (†$_\gamma$100 *20*)
γ_{272}**244.11** *5* (†$_\gamma$<51) γ_{184}**332.738** *13* (†$_\gamma$49 *12*) γ_{148}**367.93** *4* (†$_\gamma$40 *20*)

L **516.8230** *13*, (2)$^-$ γ_{420}**96.6925** *19* (†$_\gamma$2.4 *5*) γ_{262}**255.127** *6* (†$_\gamma$57 *11*) M1
γ_{228}**288.5229** *19* (†$_\gamma$26 *7*) M1
γ_{197}**319.5279** *21* (†$_\gamma$70 *13*) M1
γ_{176}**341.1649** *22* (†$_\gamma$100 *20*) M1
γ_{123}**393.549** *14* (†$_\gamma$0.8 *4*)
γ_{100}**416.520** *4* (†$_\gamma$5.0 *12*)
γ_{88}**428.825** *5* (†$_\gamma$14 *3*)

K **524.2516** *24*, (3)$^-$ γ_{348}**175.840** *8* (†$_\gamma$4.2 *14*) γ_{272}**252.052** *3* (†$_\gamma$100 *16*) M1(+E2): δ=0.4 *3* γ_{228}**295.953** *3* (†$_\gamma$19 *4*)

L **535.7558** *17*, (3)$^-$ γ_{444}**91.369** *5* (†$_\gamma$1.5 *4*) (E1) γ_{420}**115.6262** *20* (†$_\gamma$3.2 *6*)
γ_{419}**116.801** *7* (†$_\gamma$0.7 *2*) γ_{297}**239.09** *2* (†$_\gamma$3.6 *8*) γ_{272}**263.554** *4* (†$_\gamma$50 *10*) M1
γ_{262}**274.054** *3* (†$_\gamma$3.5 *9*)
γ_{228}**307.455** *2* (†$_\gamma$100 *15*) M1
γ_{197}**338.460** *3* (†$_\gamma$59 *10*) M1
γ_{100}**435.450** *7* (†$_\gamma$13 *4*)

L **561.5594** *26*, (4)$^-$ γ_{444}**117.185** *3* (†$_\gamma$8.0 *16*) γ_{399}**162.819** *6* (†$_\gamma$<11)
γ_{323}**238.784** *12* (†$_\gamma$80 *16*) M1
γ_{272}**289.3540** *22* (†$_\gamma$58 *15*) M1
γ_{228}**333.256** *6* (†$_\gamma$25 *6*) M1
γ_{184}**378.051** *7* (†$_\gamma$<17)
γ_{148}**413.282** *4* (?) (†$_\gamma$100 *20*)
γ_{123}**438.282** *13* (†$_\gamma$15 *4*)

K **578.842** *6*, (4$^-$) γ_{348}**230.49** *7* (†$_\gamma$<20)
γ_{343}**236.203** *6* (†$_\gamma$100 *20*)
γ_{323}**256.06** *4* (†$_\gamma$<36) γ_{272}**306.646** *11* (†$_\gamma$30 *14*) γ_{123}**455.524** *22* (†$_\gamma$86 *22*)

584.041 *3*, (2)$^-$ γ_{485}**99.246** *5* (†$_\gamma$3.2 *11*)
γ_{362}**222.205** *9* (†$_\gamma$9.3 *21*) M1
γ_{289}**294.8242** *22* (†$_\gamma$100 *25*)
γ_{197}**386.746** *3* (†$_\gamma$39 *9*) γ_{176}**408.386** *6* (†$_\gamma$30 *6*) γ_{123}**460.733** *22* (†$_\gamma$9.3 *21*)
γ_{100}**483.708** *12* (†$_\gamma$60 *20*)
γ_{88}**496.029** *6* (†$_\gamma$93 *24*)
608.4 *3*

G **610.887** *4*, (5)$^+$ γ_{344}**267.230** *6* (†$_\gamma$28 *10*)
γ_{184}**427.371** *9* (†$_\gamma$50 *15*) (M1)
γ_{148}**462.604** *6* (†$_\gamma$100 *25*) M1

M **615.243** *4*, (2)$^+$ γ_{524}**90.992** *3* (?) (†$_\gamma$3.2 *8*)
γ_{100}**514.925** *4* (†$_\gamma$39 *13*) M1
γ_{88}**527.252** *4* (†$_\gamma$100 *25*) M1

643.114 *5*, (3)$^+$ γ_{419}**224.21** *3* (†$_\gamma$4.0 *15*)
γ_{184}**459.603** *15* (†$_\gamma$12 *3*)
γ_{148}**494.870** *15* (†$_\gamma$21 *8*)
γ_{123}**519.831** *7* (†$_\gamma$100 *25*) M1
γ_{100}**542.809** *7* (†$_\gamma$40 *16*) (M1)

M **650.187** *4*, (3)$^+$ γ_{485}**165.422** *16* (†$_\gamma$1.6 *9*)
γ_{262}**388.481** *6* (†$_\gamma$12 *3*)
γ_{148}**501.893** *10* (†$_\gamma$14 *6*)
γ_{123}**526.910** *5* (†$_\gamma$100 *25*) M1
γ_{100}**549.880** *5* (†$_\gamma$61 *20*) M1

670.758 *5*, (2)$^+$ γ_{457}**213.952** *24* (†$_\gamma$6.7 *18*) γ_{420}**250.615** *5* (†$_\gamma$51 *8*) M1
γ_{415}**256.06** *4* (†$_\gamma$<12) γ_{176}**495.121** *10*

($\dagger_\gamma$29 *9*) γ_{100}***570.468*** *9* ($\dagger_\gamma$100 *30*)
(M1) γ_{88}***582.743*** *14* ($\dagger_\gamma$41 *14*)

N **680.5726** *23*, $(1)^-$ γ_{517}***163.743*** *5* ($\dagger_\gamma$26 *6*)
M1 γ_{420}***260.39*** *4* ($\dagger_\gamma$<9.6)
γ_{336}***345.000*** *6* ($\dagger_\gamma$<13) γ_{289}***391.360*** *4*
($\dagger_\gamma$33 *8*) M1 γ_{197}***483.276*** *5* ($\dagger_\gamma$100 *24*)
M1 γ_{176}***504.915*** *4* ($\dagger_\gamma$100 *25*) M1

M **696.825** *6*, (4^+) γ_{184}***513.34*** *8* ($\dagger_\gamma$<42)
γ_{148}***548.560*** *9* ($\dagger_\gamma$100 *30*) (M1)
γ_{123}***573.522*** *17* ($\dagger_\gamma$80 *28*) (M1)

N **699.7788** *21*, $(2)^-$ γ_{536}***164.020*** *3* ($\dagger_\gamma$14 *3*)
M1(+E2): δ=1.15 *50* γ_{517}***182.960*** *4*
($\dagger_\gamma$7.2 *12*) γ_{289}***410.561*** *8* ($\dagger_\gamma$28 *7*)
γ_{228}***471.482*** *6* ($\dagger_\gamma$46 *15*) M1
γ_{176}***524.120*** *4* ($\dagger_\gamma$100 *30*) M1

N **731.141** *4*, $(3)^-$ γ_{562}***169.597*** *7* ($\dagger_\gamma$<17)
γ_{444}***286.74*** *3* ($\dagger_\gamma$<5.3) γ_{435}***296.103*** *5*
($\dagger_\gamma$61 *12*) M1 γ_{343}***388.481*** *6* ($\dagger_\gamma$26 *5*)
γ_{272}***458.933*** *5* ($\dagger_\gamma$51 *11*) M1
γ_{197}***533.855*** *6* ($\dagger_\gamma$100 *25*) M1

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M **756.705** *6*, (5^+) γ_{611}***145.816*** *6* ($\dagger_\gamma$20 *5*)
γ_{184}***573.187*** *18* ($\dagger_\gamma$79 *26*) (M1)
γ_{148}***608.437*** *15* ($\dagger_\gamma$100 *30*)

774.914 *6*, $(1)^+$ γ_{336}***439.347*** *7* ($\dagger_\gamma$5.4 *16*)
γ_{262}***513.34*** *8* ($\dagger_\gamma$<17) γ_{100}***674.596*** *7*
($\dagger_\gamma$78 *23*) (M1) γ_{88}***686.922*** *7*
($\dagger_\gamma$100 *25*) M1

N **779.914** *5*, (4^-) γ_{562}***218.332*** *16* ($\dagger_\gamma$32 *8*)
γ_{536}***244.11*** *5* ($\dagger_\gamma$<22) γ_{421}***358.70*** *3*
($\dagger_\gamma$11 *6*) γ_{390}***389.873*** *5* ($\dagger_\gamma$74 *13*)
γ_{344}***436.269*** *7* ($\dagger_\gamma$70 *18*)
γ_{272}***507.731*** *7* ($\dagger_\gamma$100 *32*) (M1)

780.152 *4*, $(2)^-$ γ_{514}***266.025*** *16* ($\dagger_\gamma$<22)
$\gamma_{478.1}$***302.069*** *6* ($\dagger_\gamma$12 *4*)
γ_{454}***326.165*** *16* ($\dagger_\gamma$7.5 *20*)
γ_{420}***360.053*** *12* ($\dagger_\gamma$6.5 *20*)
γ_{419}***361.187*** *3* ($\dagger_\gamma$26 *6*) γ_{297}***483.492*** *5*
($\dagger_\gamma$100 *30*) M1 γ_{100}***679.86*** *6* ($\dagger_\gamma$41 *14*)
γ_{88}***692.18*** *7* ($\dagger_\gamma$38 *17*)

782.875 *5*, $(2)^-$ γ_{579}***204.052*** *8* ($\dagger_\gamma$8.5 *12*)
γ_{536}***247.107*** *5* ($\dagger_\gamma$100 *25*)
(M1+E2): δ=1.75 *35* γ_{524}***258.70*** *3*
($\dagger_\gamma$36 *12*) M1 γ_{517}***266.025*** *16* ($\dagger_\gamma$<13)
(M1) γ_{435}***347.836*** *6* ($\dagger_\gamma$9 *3*)
γ_{343}***440.233*** *10* ($\dagger_\gamma$7.9 *21*)
γ_{336}***447.285*** *8* ($\dagger_\gamma$6.7 *21*) γ_{228}***554.52*** *3*
($\dagger_\gamma$12 *4*) γ_{123}***659.620*** *13*(?) ($\dagger_\gamma$40 *12*)

795.006 *7*, (4^-) γ_{536}***259.16*** *4* ($\dagger_\gamma$18 *13*)
γ_{517}***278.205*** *16* ($\dagger_\gamma$30 *10*)
γ_{399}***396.262*** *4* ($\dagger_\gamma$100 *25*) M1
γ_{344}***451.360*** *11* ($\dagger_\gamma$19 *7*)
γ_{323}***472.272*** *13* ($\dagger_\gamma$75 *50*)
γ_{197}***597.66*** *3* ($\dagger_\gamma$30 *10*)
γ_{184}***611.489*** *10* ($\dagger_\gamma$<92)

799.006 *5*, $(2)^-$ γ_{454}***345.000*** *6* ($\dagger_\gamma$<12.5)
γ_{297}***502.358*** *7* ($\dagger_\gamma$79 *24*) M1
γ_{289}***509.775*** *12* ($\dagger_\gamma$25 *13*) (M1)
γ_{197}***601.73*** *3* ($\dagger_\gamma$18 *8*) γ_{123}***675.716*** *19*
($\dagger_\gamma$100 *33*)

808.800 *4*, $(3)^-$ γ_{650}***158.616*** *7* ($\dagger_\gamma$16 *8*)
γ_{457}***351.942*** *5* ($\dagger_\gamma$57 *9*) γ_{435}***373.760*** *6*
($\dagger_\gamma$100 *20*) M1 γ_{362}***446.944*** *17* ($\dagger_\gamma$23 *7*)
γ_{348}***460.379*** *9* ($\dagger_\gamma$23 *7*)
γ_{289}***519.593*** *13* ($\dagger_\gamma$67 *22*)
γ_{262}***547.16*** *3* ($\dagger_\gamma$17 *8*) γ_{197}***611.489*** *10*
($\dagger_\gamma$<89)

825.526 *4*, $(2)^-$ γ_{466}***359.265*** *3* ($\dagger_\gamma$43 *13*)
γ_{421}***404.318*** *5* ($\dagger_\gamma$34 *8*) (M1)
γ_{336}***489.952*** *5* ($\dagger_\gamma$77 *18*) γ_{297}***528.90*** *3*
($\dagger_\gamma$46 *18*) γ_{262}***563.88*** *4* ($\dagger_\gamma$100 *33*) M1
γ_{123}***702.18*** *5* ($\dagger_\gamma$46 *18*)

832.2 *3*

840.648 *6*, $(2)^+$ γ_{457}***383.786*** *4* ($\dagger_\gamma$37 *9*)
γ_{444}***396.262*** *4* ($\dagger_\gamma$100 *25*) M1
γ_{197}***643.43*** *5* ($\dagger_\gamma$67 *28*) γ_{176}***665.10*** *5*
($\dagger_\gamma$28 *12*) γ_{100}***740.41*** *3* ($\dagger_\gamma$100 *33*)
γ_{88}***752.66*** *6* ($\dagger_\gamma$51 *20*)

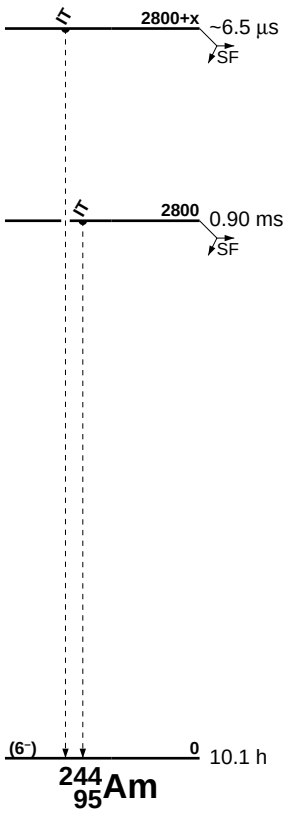
842.754 *4*, $(3)^+$ γ_{584}***258.70*** *3*(?)
($\dagger_\gamma$70 *23*) γ_{457}***385.896*** *4* ($\dagger_\gamma$48 *11*) M1
γ_{454}***388.735*** *12* ($\dagger_\gamma$11 *6*)
γ_{444}***398.371*** *11* ($\dagger_\gamma$13 *6*)
γ_{420}***422.618*** *3* ($\dagger_\gamma$100 *17*) M1
γ_{419}***423.811*** *6* ($\dagger_\gamma$65 *14*) M1
γ_{289}***553.61*** *3*(?) ($\dagger_\gamma$15 *5*)

859.195 *4*, (3^+) γ_{697}***162.374*** *5* ($\dagger_\gamma$6.8 *15*)
γ_{643}***216.087*** *5* ($\dagger_\gamma$30 *6*) γ_{495}***363.801*** *3*
($\dagger_\gamma$100 *33*) (M1) $\gamma_{478.3}$***380.836*** *15*
($\dagger_\gamma$11 *4*) γ_{390}***469.145*** *8* ($\dagger_\gamma$22 *5*) (M1)
γ_{362}***497.35*** *3* ($\dagger_\gamma$7.5 *25*) γ_{123}***735.93*** *3*
($\dagger_\gamma$27 *9*) γ_{100}***758.89*** *5* ($\dagger_\gamma$36 *12*)

875.059 *5*, (2^+) γ_{783}***92.181*** *3* ($\dagger_\gamma$7.3 *20*)
γ_{615}***259.88*** *3* ($\dagger_\gamma$16 *6*) γ_{536}***339.319*** *8*
($\dagger_\gamma$5.3 *20*) γ_{420}***454.879*** *24* ($\dagger_\gamma$14 *3*)
γ_{415}***460.379*** *9* ($\dagger_\gamma$19 *5*) γ_{176}***699.44*** *4*
($\dagger_\gamma$33 *12*) γ_{148}***726.793*** *23* ($\dagger_\gamma$87 *27*)
γ_{123}***751.804*** *20* ($\dagger_\gamma$100 *33*) (M1)
γ_{100}***774.75*** *5* ($\dagger_\gamma$87 *29*)

880.786 *4*, (3^-) $\gamma_{779.9}$***100.872*** *3* ($\dagger_\gamma$10 *4*)
M1 γ_{650}***230.49*** *7* ($\dagger_\gamma$<9.0)
γ_{524}***356.536*** *6* ($\dagger_\gamma$75 *13*)
γ_{421}***459.603*** *15* ($\dagger_\gamma$31 *7*)
γ_{419}***461.819*** *15* ($\dagger_\gamma$44 *14*)
γ_{262}***619.09*** *4* ($\dagger_\gamma$100 *30*)
γ_{197}***683.495*** *17* ($\dagger_\gamma$82 *28*)

γ_{88} ***792.75*** *13* (†$_{\gamma}$27 *11*)
893.7 *3*
901.4 *3*
914.2 *3*
933.2 *4*
951.3 *3*
982
999.6 *3*
1015.8 *9*
1030.5 *3*
1046.1 *5*
1052.4 *3*
1063.2 *5*
1071.3 *14* (?)
1097
1125
1142
1151.3 *3*
1179
1203
1252
1281
1335
1357
O **2800** *400*, 0.90 *15* ms, %SF≤100
O **2800+x**, ≈ 6.5 μs, %SF≤100


IT
2800+x
~6.5 µs
SF
IT
2800
0.90 ms
SF
(6⁻)
0
10.1 h
244
95
Am