

184 76Os (Continued)

1225.04 12, 4 ⁺ , [ACDEGI] γ_{943} 282.279 (†2.31 18) γ_{384} 841.287 (†100 5) E2	
γ_{120} 1105.249 (†76 5) E2	
1274.86 19, 8 ⁺ , [ACDEFGHI] γ_{774} 500.71 14 (†100) E2	
1406.7 2, [C] γ_{774} 632.82 γ_{384} 1024.05	
1428.30 12, (5) ⁺ , [ACDEG] γ_{1081} 347.289 (†5.1 4) γ_{774} 654.159 (†13.8 10)	
γ_{384} 1044.538 (†100 8) E2	
1445.72 11, (2,3,4) ⁺ , [AGI] γ_{1081} 364.707 (†38 3) γ_{943} 502.949 (†100 7) E2	
γ_{384} 1061.957 (†83 9) γ_{120} 1325.918 (†28.7 25)	
1500.63 14, 3 ⁺ , 4 ⁺ , [AGI] γ_{1081} 419.61 12 (†7.7 23) γ_{943} 557.85 12 (†32 9)	
γ_{384} 1116.86 10 (†100 8) M1 γ_{120} 1380.83 12 (†38 8)	
1543.94 12, 3 ⁻ , [ACGI] γ_{943} 601.168 (†100 7) E1 γ_{384} 1160.179 (†25.1 17)	
γ_{120} 1424.149 (†6.9 6)	
1613.18 15, (6) ⁺ , [ACG] γ_{774} 839.03 13 (†100 7) γ_{384} 1229.41 11 (†84 6)	
1620.72 12, (4) ⁻ , [ACG] γ_{1544} 76.78 10 (†1.0 5) γ_{1081} 539.707 (†100 7) E1	
γ_{384} 1236.956 (†30.9 22)	
1631.55 12, (4 ⁺ , 5 ⁺), [AG] γ_{1446} 185.847 (†36 7) γ_{1428} 203.259 (†6.4 8)	
γ_{1225} 406.518 (†33.7 23) γ_{1081} 550.537 (†27 5) (M1+E2) γ_{774} 857.408	
(†17.9 15) γ_{384} 1247.786 (†100 7)	
1637.7 2(?), [C] γ_{1407} 230.82	
1697.98 16, 2 ⁺ , [AG] γ_{1501} 197.35 15 (†86 7) γ_{384} 1314.21 14 (†48 10)	
γ_{120} 1578.18 14 (†100 8) $\gamma_{1697.97}$ 16 (†82 7)	
1707.57 13, (3,4) ⁻ , [AG] γ_{1544} 163.63 11 (†7.8 8) γ_{1225} 482.53 11 (†4.2 14)	
γ_{1081} 626.569 (†100 7) E1 γ_{384} 1323.809 (†29 3)	
1718.17 12, 5 ⁻ , [ACGI] γ_{1621} 97.448 (†3.7 7) γ_{1544} 174.23 10 (†2.79 23)	
γ_{1225} 493.127 (†100 7) E1 γ_{774} 944.029 (†47 4) γ_{384} 1334.397 (†40 3)	
1832.78 13, (6) ⁻ , [ACG] γ_{1718} 114.629 (†34.2 4) γ_{1621} 212.067 (†100 7)	
γ_{1428} 404.499 (†20.4 15) γ_{774} 1058.64 10 (†3.6 18)	
1836.29 13, 4 ⁺ , 5 ⁺ , 6 ⁺ , [AGI] γ_{1225} 611.249 (†96 7) γ_{774} 1062.14 11 (†53 11)	
γ_{384} 1452.519 (†100 7)	
1840.37 13, (4 ⁺ , 5 ⁺ , 6 ⁺), [ACG] γ_{1632} 208.829 (†29.8 22) γ_{1621} 219.659 (†45 4)	
γ_{1446} 394.669 (†36 3) γ_{1428} 412.088 (†52 4) γ_{774} 1066.239 (†100 7)	
1871.1 6, 10 ⁺ , [CDEFH] γ_{1275} 596.36 (†100) E2	
1877.60 17, 4 ⁺ , 5 ⁺ , 6 ⁺ , [AGI] γ_{1501} 376.97 15 (†20.9 22) γ_{1428} 449.30 15	
(†17.9 22) γ_{774} 1103.45 15 (†100 15) γ_{384} 1493.83 14 (†57 5)	
1916.3 5, [C] γ_{1428} 488.05 γ_{943} 1042.05	
1958.2 3, (7) ⁻ , [C] γ_{1833} 125.92 (†100) γ_{1718} 240.62 (†71) γ_{1613} 344.92	
(†86) γ_{1275} 683.22 γ_{774} 1184.05	

1982.5(?), 0 ⁺ , [I]	
2045.9 4, [C] γ_{1958} 88.05	
2191.0 4, [C] γ_{2046} 145.12	
2268.5(?), 0 ⁺ , [I]	
2324.63 20, [A] γ_{1840} 484.25 18 (†36 10) γ_{1836} 488.34 16 (†100 19)	
γ_{1428} 896.33 18 (†39 5) γ_{384} 1940.85 17 (†28 3)	
2366.2 4, 9 ⁺ , 10 ⁺ , 20 5 ns, [C] γ_{2191} 175.32 (†100) γ_{1871} 494.92 (†33)	
M1(+E2): $\delta < 0.9$ γ_{1275} 1092.05 (†67) E2	
2399.05 13, [AG] γ_{1708} 691.47 11 (†72 5) γ_{1632} 767.498 (†100 10)	
γ_{1621} 778.329 (†94 7) γ_{1446} 953.339 (†66 7) γ_{1428} 970.75 10 (†25.3 24)	
γ_{384} 2015.279 (†14.7 18)	
2446.65 13, (5) ⁺ , [AG] γ_{1840} 606.27 10 (†11.2 9) γ_{1833} 613.868 (†29.3 21)	
γ_{1718} 728.489 (†4.2 6) γ_{1632} 815.098 (†16.1 13) (M1) γ_{1621} 825.928	
(†28.2 22) γ_{774} 1672.499 (†82 6) (E2) γ_{384} 2062.878 (†100 9) (E2)	
2547.0 8, 12 ⁺ , [FH] γ_{1871} 675.86 (†100) E2	
2609.2 5, (10,11) ⁺ , [C] γ_{2366} 243.1	
2719.88 20, 4 ⁺ , 5 ⁺ , 6 ⁺ , [A] γ_{1833} 887.09 18 (†100 9) γ_{1718} 1001.71 18 (†72 7)	
γ_{1428} 1291.58 18 (†63 5) γ_{774} 1945.73 18 (†84 7) γ_{384} 2336.10 18 (†30 5)	
2862.4 4, (11,12) ⁺ , [C] γ_{2609} 253.12 γ_{2366} 496.22	
3129.7 5, (12,13) ⁺ , [C] γ_{2862} 267.32 γ_{2609} 520.52	
3259.9 9, 14 ⁺ , [FH] γ_{2547} 712.95 (†100) E2	
3357.9 10, 14 ⁺ , [H] γ_{2547} 810.95 (†100) E2	
3788.8 10, 16 ⁺ , [FH] γ_{3358} 430.95 (†79 21) E2 γ_{3260} 528.95 (†100 21) E2	
4044.2 10, (16) ⁺ , [H] γ_{3358} 686.35 (†66 34) E2 γ_{3260} 784.35 (†100 34) E2	
4346.4 12, 18 ⁺ , [H] γ_{3789} 557.67 (†100) E2	
4797.8 12, (18) ⁺ , [H] γ_{4044} 753.67 (†100) E2	
4997.9 14, 20 ⁺ , [H] γ_{4346} 651.57 (†100) E2	
5737.9 15, 22 ⁺ , [H] γ_{4998} 740.07 (†100) E2	

184 77Ir

Δ : -39700 300 S_n : (7500) S_p : (3300) Q_{EC} : 4600 300 Q_α : 3700 300

Populating Reactions and Decay Modes

A ^{184}Pt EC decay (17.3 m) (70FIZZ, 87BrZR, 88Be16)
B (HI,xn γ) (63Gr08, 63Ka17, 78El11, 79Ha10)

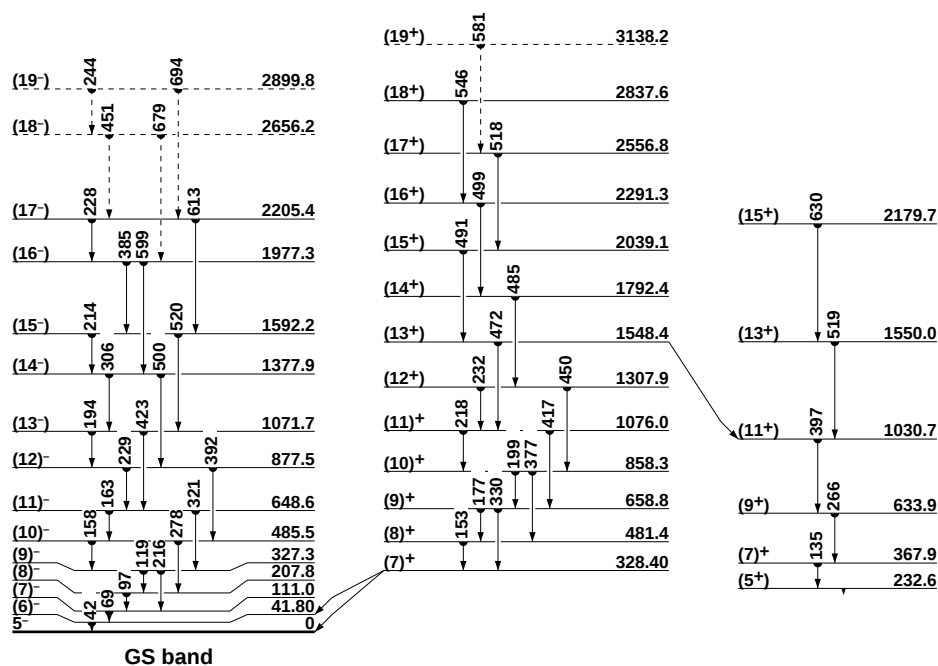
Levels and γ -ray branchings:

0, 5⁻, 3.09 3 h, [AB], %EC+% β^+ =100, μ =0.696 5, Q =+2.1 3

11.6 3(?), [A] γ_0 11.6 3(?) (†100)

18.4 3(?), (3⁻, 4⁻, 5⁻), [A] γ_0 18.4 3(?)

41.80 24, (6)⁻, [B] γ_0 41.80 24 (†100) M1



184 77Ir