^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia	NDS 143, 1 (2017)	31-Mar-2017

1979Wa04: Osmium metal targets enriched to 99.06% in ^{192}Os; measured Eγ, Iγ (curved-crystal spectrometer system).
1978Be22: isotope separated ^{192}Os targets (≥99% pure); measured Eγ, Iγ (Ge(Li) pair spectrometer for high-energy γ's, FWHM=6-7 keV; Ge(Li) anti-Compton spectrometer for intermediate-energy γ's, FWHM=3 keV; Si(Li) for low-energy γ's, FWHM=0.5-0.9 keV).
2002Bo66: ^{192}Os enriched target, sum-coincidence γ-ray spectra with 2 HPGe detectors.

^{193}Os Levels

E(level)[†]	J$^{\pi}$[‡]	Comments
0.0	3/2$^-$	
41.4842 *22*	(1/2$^-$)	
72.9015 *18*	(5/2)$^-$	
102.7325 *10*	(3/2)$^-$	
233.8558 *20*	1/2$^-$,3/2$^-$	
295.6810 *18*	(5/2$^-$)	
307.0837 *16*	1/2$^-$,3/2$^-$	
399.018 *3*	(5/2)$^-$	
434.9606 *24*	1/2$^-$,3/2$^-$	
455.773 *5*	(5/2)$^-$	
544.552 *4*	(5/2$^-$,7/2$^-$)	
550.9[@] *4*		
573.2[@] *4*		
587.6[@] *4*		
675.2[@] *3*		
709.199 *10*	(5/2$^-$,7/2$^-$)	
788.5[@] *4*		
888.625[&] *21*		J$^{\pi}$: see ^{193}Os Adopted Levels for comment.
889.462 *7*		J$^{\pi}$: see ^{193}Os Adopted Levels for comment.
966.9[@] *3*		
1053.856[&] *7*	1/2$^-$,3/2$^-$	
1085.385[&] *11*	(1/2$^-$,3/2$^-$)	
1170.860[&] *8*	(1/2$^+$,3/2$^+$)	
1178.654[&] *14*	1/2$^-$,3/2$^-$	
1185.4[@] *4*		
1205.2[@] *3*		
1216.927[&] *8*	1/2$^{(-)}$,3/2$^{(-)}$	
1225.7[@] *3*		
1244.6[@] *3*		
1267.3[@] *4*		
1281.480[&] *19*	1/2$^-$,3/2$^-$	
1288.468[&] *8*	1/2$^-$,3/2$^-$	
1333.53[#&] *17*		
1359.52[#&] *16*		
1383.6[@] *4*		
1385.96[#&] *19*	1/2$^{(-)}$,3/2$^{(-)}$	
1398.2[@] *3*		

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^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

^{193}Os Levels (continued)

E(level)†	Jπ‡	E(level)†
1400.00@ 23		1935.1@ 3
1418.00@ 23		1938.6@ 3
1434.0@ 4		1949.0@ 4
1446.5@ 4		1954.81@ 23
1459.514 10	5/2⁻,7/2⁻	1977.40@ 21
1497.4@ 4		1983.41@ 21
1501.8# 5		1989.8@ 4
1504.10@ 23		2002.11@ 19
1515.52#& 18	1/2⁻,3/2⁻	2013.60@ 19
1523.64#& 23		2020.8@ 3
1530.34#& 21		2024.3@ 4
1555.8@ 3		2037.41@ 23
1590.93#& 19	1/2⁻,3/2⁻	2039.9@ 3
1603.21#& 16		2048.21#& 23
1660.3@ 4		2050.8@ 3
1680.3@ 4		2053.5@ 4
1683.28#& 17		2059.7@ 4
1722.5@ 3		2064.12#& 17
1731.6@ 4		2067.60@ 23
1737.6@ 4		2077.3# 5
1744.9@ 3		2078.31@ 15
1754.2@ 3		2081.11@ 19
1760.4@ 3		2090.3# 5
1765.13#& 17		2092.90@ 18
1783.81@ 17		2098.05#& 17
1785.2# 5		2103.4@ 3
1795.8@ 3		2108.1@ 4
1798.9@ 4		2111.7@ 3
1802.0@ 4		2115.9@ 4
1805.1@ 4		2124.1@ 3
1826.7@ 3		2126.4@ 3
1830.6# 5		2131.6# 5
1831.11@ 18		2133.00@ 18
1838.40#& 21		2134.2@ 3
1847.11@ 17		2143.5@ 5
1848.6# 5		2150.6@ 3
1853.6@ 4		2153.8@ 3
1862.7@ 4		2157.1@ 3
1874.6@ 4		2163.7@ 3
1888.90@ 23		2168.71@ 19
1892.61@ 23		2178.1@ 4
1908.6@ 3		2181.3@ 3
1915.28#& 18		2185.41@ 23
1921.2@ 3		2190.3# 5
1932.1@ 3		2192.4@ 3

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^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

^{193}Os Levels (continued)

E(level)[†]	Comments
2195.00[@] *23*	
2205.1[@] *3*	
2218.61[@] *23*	
2220.4[#] *5*	
2222.0[@] *3*	
2225.1[@] *3*	
2230.6[@] *3*	
2234.6[@] *4*	
2239.9[@] *4*	
2243.0[#] *5*	
2246.3[@] *4*	
2249.11[@] *21*	
2249.2[@] *4*	E(level): Level established based on 3334.7 primary and 1540.0γ coincidence by 2002Ba66. The other closeby level established based on $\gamma\gamma$ coin of almost comparable energy of 3334.80 primary with five other secondary transitions. Considering the possibility of random coincidences – not adopted by evaluator.
2250.9[@] *3*	
2255.9[@] *3*	
2258.4[@] *3*	
2278.7[@] *3*	
2285.4[@] *4*	
2290.5[@] *3*	
2294.3[@] *4*	
2297.3[@] *3*	
2310.0[@] *3*	
2315.91[@] *21*	
2320.51[@] *23*	
2326.11[@] *23*	
2332.6[@] *3*	
2340.1[@] *4*	
2342.9[@] *3*	
2348.01[@] *23*	
2350.4[@] *4*	
2360.9[@] *4*	
2364.2[@] *3*	
2368.01[@] *21*	
2373.1[@] *4*	
2381.01[@] *23*	
2389.11[@] *17*	
2396.3[@] *4*	
2407.01[@] *21*	
2414.0[@] *4*	
2421.0[@] *3*	
2426.8[@] *3*	
2431.3[@] *3*	
2432.81[@] *21*	

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^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

^{193}Os Levels (continued)

E(level)†	E(level)†
2437.7@ 4	2690.2@ 3
2442.5@ 4	2693.9@ 3
2447.0@ 3	2697.01@ 23
2450.1@ 3	2699.52@ 19
2458.5@ 3	2703.72@ 21
2461.7@ 3	2708.9@ 3
2467.71@ 19	2714.8@ 3
2470.4@ 3	2716.9@ 4
2484.3@ 3	2720.22@ 18
2486.7@ 4	2723.6@ 3
2489.61@ 23	2728.2@ 3
2495.01@ 23	2732.1@ 4
2499.71@ 19	2734.3@ 3
2503.5@ 4	2738.4@ 3
2506.3@ 4	2741.92@ 23
2508.31@ 18	2746.7@ 4
2511.81@ 19	2749.8@ 3
2514.11@ 21	2752.9@ 3
2519.21@ 21	2758.2@ 4
2528.41@ 23	2761.7@ 4
2530.9@ 4	2764.9@ 4
2533.7@ 3	2773.92@ 21
2541.81@ 19	2779.4@ 4
2548.2@ 3	2782.12@ 18
2551.3@ 4	2784.1@ 3
2554.6@ 3	2792.0@ 3
2558.1@ 3	2797.92@ 23
2560.41@ 23	2805.52@ 23
2567.11@ 19	2811.6@ 3
2578.0@ 4	2822.8@ 4
2580.11@ 19	2830.3@ 3
2585.0@ 3	2834.3@ 4
2597.4@ 3	2856.3@ 3
2602.81@ 21	2863.82@ 23
2606.9@ 4	2870.0@ 3
2611.31@ 21	2875.8@ 3
2614.7@ 4	2880.0@ 3
2629.3@ 3	2887.0@ 3
2632.3@ 3	2904.1@ 4
2637.8@ 3	2909.02@ 19
2656.6@ 3	2913.3@ 3
2661.8@ 4	2918.0@ 3
2671.42@ 19	2972.4@ 3
2679.61@ 23	2979.9@ 3
2687.1@ 3	2986.9@ 4

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^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

^{193}Os Levels (continued)

E(level)†	Jπ‡	Comments
3001.7@ 3		
3006.62@ 23		
3010.4@ 3		
(5583.93 4)	1/2+	E(level): From least squares fit to primary γ's. S(n)=5583.42 20 (AME 2017Wa10). Jπ: s-wave capture by even-even nucleus.

† From least squares fit to Eγ, assuming ΔEγ=0.5 keV for missing γ-ray uncertainties.
‡ From Adopted Levels.
# From energy of primary transition in 1978Be22.
@ From cascade γ decay (primary and secondary) in 2002Bo66.
& Also reported in 2002Ba66.

γ(^{193}Os)

I(K x ray), relative to Iγ=100 for 265.6γ (1978Be22).
Iγ(γ±)=134, relative to Iγ=100 for 265.6γ (1978Be22).

K x ray	E(x-ray)	I(x-ray)
Os Kα2 x ray	61.5 1	279
Os Kα1 x ray + Ir Kα2 x ray	3.0 2	310
Ir Kα1 x ray	64.9 2	10
Os Kβ1 x ray	71.3 1	92
Os Kβ2 x ray + Pb Kα2 x ray	73.2 4	64
Pb Kα1 x ray	75.0 3	27

Eγ†	Iγ‡	Ei(level)	Jiπ	Ef	Jfπ	Comments
41.49# 6	49#	41.4842	(1/2−)	0.0	3/2−	
(72.901 2)		72.9015	(5/2)−	0.0	3/2−	Eγ: from energy difference between 72.9 and 0.0 levels.
x84.9# 3	7.6#					
91.920 7	4.5 10	399.018	(5/2)−	307.0837	1/2−,3/2−	
102.733 1	32.1 6	102.7325	(3/2)−	0.0	3/2−	
109.763 14	1.4 4	1288.468	1/2−,3/2−	1178.654	1/2−,3/2−	
x123.824 13	1.7 4					
127.879 7	4.2 4	434.9606	1/2−,3/2−	307.0837	1/2−,3/2−	
131.124 2	46.0 7	233.8558	1/2−,3/2−	102.7325	(3/2)−	
145.533 6	2.0 4	544.552	(5/2−,7/2−)	399.018	(5/2)−	
148.689 7	4.8 3	455.773	(5/2)−	307.0837	1/2−,3/2−	
160.102 20	1.7 3	455.773	(5/2)−	295.6810	(5/2−)	
165.23c 3	1.5c 5	399.018	(5/2)−	233.8558	1/2−,3/2−	
165.23c 3	1.5c 5	1053.856	1/2−,3/2−	888.625		
192.365 14	0.5 1	233.8558	1/2−,3/2−	41.4842	(1/2−)	
192.952 3	2.2 3	295.6810	(5/2−)	102.7325	(3/2)−	
x195.611 16	0.4 1					
x199.54 6	1.2 4					
201.105 2	20.5 5	434.9606	1/2−,3/2−	233.8558	1/2−,3/2−	

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^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

γ(^{193}Os) (continued)

E_γ [†]	I_γ [‡]	E_i(level)	J_i^π	E_f	J_f^π	I_γ [@]
203.067 *8*	1.3 *1*	1288.468	1/2$^-$,3/2$^-$	1085.385	(1/2$^-$,3/2$^-$)	
204.349 *2*	84.1 *16*	307.0837	1/2$^-$,3/2$^-$	102.7325	(3/2)$^-$	
x207.81 *3*	0.5 *2*					
x208.493 *4*	4.0 *2*					
221.906 *16*	0.8 *1*	455.773	(5/2)$^-$	233.8558	1/2$^-$,3/2$^-$	
222.778 *5*	10.7 *3*	295.6810	(5/2$^-$)	72.9015	(5/2)$^-$	
233.857 *15*	0.8 *1*	233.8558	1/2$^-$,3/2$^-$	0.0	3/2$^-$	
234.170 *12*	1.8 *1*	307.0837	1/2$^-$,3/2$^-$	72.9015	(5/2)$^-$	
237.473 *5*	7.2 *2*	544.552	(5/2$^-$,7/2$^-$)	307.0837	1/2$^-$,3/2$^-$	
x241.132 *17*	0.7 *1*					
242.586 *7*	28.1 *7*	1459.514	5/2$^-$,7/2$^-$	1216.927	1/2$^{(-)}$,3/2$^{(-)}$	
248.859 *6*	2.3 *1*	544.552	(5/2$^-$,7/2$^-$)	295.6810	(5/2$^-$)	
254.193 *4*	20.8 *4*	295.6810	(5/2$^-$)	41.4842	(1/2$^-$)	
265.601 *2*	100.0 *7*	307.0837	1/2$^-$,3/2$^-$	41.4842	(1/2$^-$)	
266.12[&]		573.2		307.0837	1/2$^-$,3/2$^-$	0.055 *12*
x276.575 *6*	2.0 *1*					
281.397 *4*	23.3 *8*	1170.860	(1/2$^+$,3/2$^+$)	889.462		
x287.81 *5*	0.4 *1*					
295.676 *3*	13.2 *2*	295.6810	(5/2$^-$)	0.0	3/2$^-$	
x297.632 *6*	2.3 *1*					
x298.057 *9*	1.1 *1*					
x303.589 *9*	1.3 *1*					
307.083 *3*	18.9 *4*	307.0837	1/2$^-$,3/2$^-$	0.0	3/2$^-$	
326.117 *5*	4.0 *2*	399.018	(5/2)$^-$	72.9015	(5/2)$^-$	
327.464 *4*	6.3 *2*	1216.927	1/2$^{(-)}$,3/2$^{(-)}$	889.462		
353.042 *11*	2.0 *2*	455.773	(5/2)$^-$	102.7325	(3/2)$^-$	
353.74[&]		587.6		233.8558	1/2$^-$,3/2$^-$	0.041 *6*
357.518 *19*	1.2 *2*	399.018	(5/2)$^-$	41.4842	(1/2$^-$)	
x375.359 *13*	1.6 *2*					
x382.476 *21*	2.2 *2*					
382.862 *8*	9.3 *3*	455.773	(5/2)$^-$	72.9015	(5/2)$^-$	
391.96 *4*	2.4 *7*	1281.480	1/2$^-$,3/2$^-$	889.462		
393.471 *6*	20.3 *4*	434.9606	1/2$^-$,3/2$^-$	41.4842	(1/2$^-$)	
399.022[c] *5*	19.7[c] *4*	399.018	(5/2)$^-$	0.0	3/2$^-$	
399.022[c] *5*	19.7[c] *4*	1288.468	1/2$^-$,3/2$^-$	889.462		
x400.917 *25*	2.0 *4*					
x401.404 *25*	2.7 *3*					
405.67 *4*	1.3 *2*	1459.514	5/2$^-$,7/2$^-$	1053.856	1/2$^-$,3/2$^-$	
413.479 *20*	1.3 *2*	709.199	(5/2$^-$,7/2$^-$)	295.6810	(5/2$^-$)	
414.276 *20*	4.6 *2*	455.773	(5/2)$^-$	41.4842	(1/2$^-$)	
x432.49 *4*	1.1 *2*					
434.954 *8*	8.9 *3*	434.9606	1/2$^-$,3/2$^-$	0.0	3/2$^-$	
x441.05 *5*	1.1 *2*					
441.835 *17*	2.4 *4*	544.552	(5/2$^-$,7/2$^-$)	102.7325	(3/2)$^-$	
448.17[&]		550.9		102.7325	(3/2)$^-$	0.032 *4*
455.754 *12*	11.9 *3*	455.773	(5/2)$^-$	0.0	3/2$^-$	
461.5[&]		1170.860	(1/2$^+$,3/2$^+$)	709.199	(5/2$^-$,7/2$^-$)	0.083 *7*
471.662 *10*	2.2 *3*	544.552	(5/2$^-$,7/2$^-$)	72.9015	(5/2)$^-$	
x517.18 *5*	7.8 *3*					
544.53 *3*	8.6 *3*	544.552	(5/2$^-$,7/2$^-$)	0.0	3/2$^-$	
x560.914 *16*	1.9 *2*					
567.88[&]		966.9		399.018	(5/2)$^-$	0.011 *3*
572.47[&]		675.2		102.7325	(3/2)$^-$	0.013 *4*
573.7[&]		1281.480	1/2$^-$,3/2$^-$	709.199	(5/2$^-$,7/2$^-$)	0.031 *6*

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^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

γ(^{193}Os) (continued)

E_γ †	I_γ ‡	E_i(level)	J_i^π	E_f	J_f^π	I_γ @
579.4&		1288.468	1/2⁻,3/2⁻	709.199	(5/2⁻,7/2⁻)	0.063 *6*
582.400 *24*	3.4 *2*	889.462		307.0837	1/2⁻,3/2⁻	0.21 *5*
x584.70 *3*	2.2 *2*					
606.459 *24*	2.7 *2*	709.199	(5/2⁻,7/2⁻)	102.7325	(3/2)⁻	
618.895 *14*	4.8 *2*	1053.856	1/2⁻,3/2⁻	434.9606	1/2⁻,3/2⁻	
633.72&		675.2		41.4842	(1/2⁻)	0.017 *4*
x635.789 *21*	6.0 *3*					
636.290 *22*	4.1 *3*	709.199	(5/2⁻,7/2⁻)	72.9015	(5/2)⁻	
x649.594 *25*	1.8 *2*					
655.614 *15*	3.1 *2*	889.462		233.8558	1/2⁻,3/2⁻	0.183 *16*
x667.824 *21*	3.0 *2*					
671.22&		966.9		295.6810	(5/2⁻)	0.014 *4*
709.231 *16*	12.3 *5*	709.199	(5/2⁻,7/2⁻)	0.0	3/2⁻	
x714.17 *4*	1.5 *2*					
714.93&		1170.860	(1/2⁺,3/2⁺)	455.773	(5/2)⁻	0.030 *6*
722.65 *4*	2.1 *3*	1178.654	1/2⁻,3/2⁻	455.773	(5/2)⁻	
x734.80 *3*	0.8 *1*					
x735.11 *5*	1.9 *3*					
743.52 *4*	2.1 *2*	1178.654	1/2⁻,3/2⁻	434.9606	1/2⁻,3/2⁻	
746.753 *9*	4.7 *2*	1053.856	1/2⁻,3/2⁻	307.0837	1/2⁻,3/2⁻	
x749.17 *4*	1.0 *1*					
761.73&		1216.927	1/2(⁻),3/2(⁻)	455.773	(5/2)⁻	0.072 *6*
769.93&		1225.7		455.773	(5/2)⁻	0.448 *16*
779.28&		1178.654	1/2⁻,3/2⁻	399.018	(5/2)⁻	0.020 *7*
785.96 *4*	9.5 *5*	888.625		102.7325	(3/2)⁻	
786.764 *11*	13.4 *5*	889.462		102.7325	(3/2)⁻	
788.5&		788.5		0.0	3/2⁻	0.025 *5*
x788.542 *25*	7.6 *4*					
788.82&		1085.385	(1/2⁻,3/2⁻)	295.6810	(5/2⁻)	0.070 *9*
788.83&		1244.6		455.773	(5/2)⁻	0.062 *6*
815.66 *6*	2.2 *3*	888.625		72.9015	(5/2)⁻	
816.63 *5*	2.4 *2*	889.462		72.9015	(5/2)⁻	
818.48&		1216.927	1/2(⁻),3/2(⁻)	399.018	(5/2)⁻	0.094 *10*
825.702 *20*	7.0 *4*	1281.480	1/2⁻,3/2⁻	455.773	(5/2)⁻	
x830.47 *7*	3.4 *4*					
x831.39 *6*	5.3 *4*					
832.46 *4*	5.0 *4*	1288.468	1/2⁻,3/2⁻	455.773	(5/2)⁻	
842.12&		1731.6		889.462		0.058 *9*
x847.31 *3*	8.7 *4*					
847.92&		889.462		41.4842	(1/2⁻)	0.087 *9*
x850.87 *9*	2.0 *3*					
863.62&		1170.860	(1/2⁺,3/2⁺)	307.0837	1/2⁻,3/2⁻	0.034 *11*
871.22&		1178.654	1/2⁻,3/2⁻	307.0837	1/2⁻,3/2⁻	0.097 *15*
875.02&		1170.860	(1/2⁺,3/2⁺)	295.6810	(5/2⁻)	0.161 *12*
877.73&		1333.53		455.773	(5/2)⁻	0.029 *12*
883.88&		1281.480	1/2⁻,3/2⁻	399.018	(5/2)⁻	0.119 *14*
x883.98 *9*	1.9 *3*					
888.55 *5*	4.0 *5*	888.625		0.0	3/2⁻	
889.484 *13*	15.7 *7*	889.462		0.0	3/2⁻	1.031 *19*
889.58&		1288.468	1/2⁻,3/2⁻	399.018	(5/2)⁻	0.081 *11*
903.83&		1359.52		455.773	(5/2)⁻	0.095 *14*

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^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

γ(^{193}Os) (continued)

E_γ [†]	I_γ [‡]	E_i(level)	J_i^π	E_f	J_f^π	I_γ [@]
910.42[&]		1216.927	1/2(−),3/2(−)	307.0837	1/2−,3/2−	0.066 *12*
921.82[&]		1216.927	1/2(−),3/2(−)	295.6810	(5/2−)	0.024 *7*
[x]924.68 *6*	3.0 *3*					
934.48[&]		1333.53		399.018	(5/2)−	0.026 *9*
936.84[&]		1170.860	(1/2+,3/2+)	233.8558	1/2−,3/2−	0.176 *16*
951.172 *15*	54 *3*	1053.856	1/2−,3/2−	102.7325	(3/2)−	
960.58[&]		1359.52		399.018	(5/2)−	0.144 *15*
974.1[&]		1683.28		709.199	(5/2−,7/2−)	0.042 *6*
980.8[&]		1053.856	1/2−,3/2−	72.9015	(5/2)−	0.065 *5*
982.26 *4*	16.8 *14*	1085.385	(1/2−,3/2−)			
983.14 *6*	16.8 *16*	1216.927	1/2(−),3/2(−)	233.8558	1/2−,3/2−	
[x]983.96 *6*	13.1 *15*					
987.22[&]		1281.480	1/2−,3/2−	295.6810	(5/2−)	0.032 *7*
992.92[&]		1288.468	1/2−,3/2−	295.6810	(5/2−)	0.064 *7*
1012.22[&]		1053.856	1/2−,3/2−	41.4842	(1/2−)	0.688 *15*
1037.82[&]		1333.53		295.6810	(5/2−)	0.021 *7*
1043.02[&]		1085.385	(1/2−,3/2−)	41.4842	(1/2−)	0.033 *4*
1048.33[&]		1504.10		455.773	(5/2)−	0.038 *9*
1052.52[&]		1359.52		307.0837	1/2−,3/2−	0.065 *6*
1053.7[&]		1053.856	1/2−,3/2−	0.0	3/2−	0.312 *8*
1055.9[&]		1765.13		709.199	(5/2−,7/2−)	0.025 *6*
1059.83[&]		1515.52	1/2−,3/2−	455.773	(5/2)−	0.06 *1*
1063.92[&]		1359.52		295.6810	(5/2−)	0.047 *5*
1067.97[&]		1170.860	(1/2+,3/2+)	102.7325	(3/2)−	0.226 *10*
1075.57[&]		1178.654	1/2−,3/2−	102.7325	(3/2)−	0.342 *11*
1076.52[&]		1383.6		307.0837	1/2−,3/2−	0.029 *6*
1078.92[&]		1385.96	1/2(−),3/2(−)	307.0837	1/2−,3/2−	0.096 *7*
1082.67[&]		1185.4		102.7325	(3/2)−	0.023 *6*
1087.92[&]		1977.40		889.462		0.054 *10*
1090.32[&]		1385.96	1/2(−),3/2(−)	295.6810	(5/2−)	0.027 *5*
1092.92[&]		1400.00		307.0837	1/2−,3/2−	0.043 *6*
1097.8[&]		1170.860	(1/2+,3/2+)	72.9015	(5/2)−	0.171 *10*
1099.64[&]		1333.53		233.8558	1/2−,3/2−	0.112 *14*
1102.47[&]		1205.2		102.7325	(3/2)−	0.097 *6*
1105.4[&]		1178.654	1/2−,3/2−	72.9015	(5/2)−	0.107 *8*
1114.77[&]		1216.927	1/2(−),3/2(−)	102.7325	(3/2)−	0.433 *13*
1116.58[&]		1515.52	1/2−,3/2−	399.018	(5/2)−	0.083 *11*
1122.32[&]		1418.00		295.6810	(5/2−)	0.022 *5*
1124.12[&]		2013.60		889.462		0.094 *10*
1125.74[&]		1359.52		233.8558	1/2−,3/2−	0.85 *4*
1129.1[&]		1838.40		709.199	(5/2−,7/2−)	0.051 *9*
1129.49 *6*	9.8 *11*	1170.860	(1/2+,3/2+)	41.4842	(1/2−)	
1131.28[&]		1530.34		399.018	(5/2)−	0.035 *11*
1136.82[&]		1178.654	1/2−,3/2−	41.4842	(1/2−)	0.029 *6*
1137.9[&]		1847.11		709.199	(5/2−,7/2−)	0.047 *9*
1144.6[&]		1216.927	1/2(−),3/2(−)	72.9015	(5/2)−	0.090 *8*

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^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

γ(^{193}Os) (continued)

E_γ [†]	I_γ [‡]	E_i(level)	J_i^π	E_f	J_f^π	I_γ [@]
1147.43[&]		1603.21		455.773	(5/2)$^-$	0.155 *14*
1152.8[&]		1225.7		72.9015	(5/2)$^-$	0.020 *6*
1163.72[&]		1205.2		41.4842	(1/2$^-$)	0.076 *9*
1164.57[&]		1267.3		102.7325	(3/2)$^-$	0.093 *10*
1170.7[&]		1170.860	(1/2$^+$,3/2$^+$)	0.0	3/2$^-$	0.097 *8*
1176.02[&]		1216.927	1/2$^{(-)}$,3/2$^{(-)}$	41.4842	(1/2$^-$)	0.593 *21*
1178.12[&]		2067.60		889.462		0.052 *8*
1178.3[&]		1178.654	1/2$^-$,3/2$^-$	0.0	3/2$^-$	0.717 *19*
1179.7[&]		1888.90		709.199	(5/2$^-$,7/2$^-$)	0.037 *9*
1180.17[&]		1281.480	1/2$^-$,3/2$^-$	102.7325	(3/2)$^-$	0.068 *8*
1184.22[&]		1225.7		41.4842	(1/2$^-$)	0.026 *6*
1185.87[&]		1288.468	1/2$^-$,3/2$^-$	102.7325	(3/2)$^-$	0.040 *8*
1188.82[&]		2078.31		889.462		0.032 *8*
[x]1200.7[#] *8*	34[#]					
1203.12[&]		1244.6		41.4842	(1/2$^-$)	0.015 *6*
1203.42[&]		2092.90		889.462		0.028 *8*
1204.18[&]		1603.21		399.018	(5/2)$^-$	0.212 *16*
1208.52[&]		1515.52	1/2$^-$,3/2$^-$	307.0837	1/2$^-$,3/2$^-$	0.200 *11*
1208.52[&]		2098.05		889.462		0.045 *8*
1210.0[&]		1281.480	1/2$^-$,3/2$^-$	72.9015	(5/2)$^-$	0.036 *4*
1215.7[&]		1288.468	1/2$^-$,3/2$^-$	72.9015	(5/2)$^-$	0.014 *4*
1216.42[&]		1523.64		307.0837	1/2$^-$,3/2$^-$	0.207 *11*
1217.5[&]		1216.927	1/2$^{(-)}$,3/2$^{(-)}$	0.0	3/2$^-$	0.176 *9*
1219.92[&]		1515.52	1/2$^-$,3/2$^-$	295.6810	(5/2$^-$)	0.054 *8*
1222.22[&]		2111.7		889.462		0.034 *8*
1223.22[&]		1530.34		307.0837	1/2$^-$,3/2$^-$	0.062 *6*
1230.77[&]		1333.53		102.7325	(3/2)$^-$	0.448 *17*
1234.62[&]		1530.34		295.6810	(5/2$^-$)	0.037 *8*
1241.42[&]		1281.480	1/2$^-$,3/2$^-$	41.4842	(1/2$^-$)	0.100 *6*
1243.52[&]		2133.00		889.462		0.168 *9*
1247.12[&]		1288.468	1/2$^-$,3/2$^-$	41.4842	(1/2$^-$)	0.127 *6*
1248.72[&]		1555.8		307.0837	1/2$^-$,3/2$^-$	0.035 *6*
1256.87[&]		1359.52		102.7325	(3/2)$^-$	0.108 *10*
1260.6[&]		1333.53		72.9015	(5/2)$^-$	0.017 *4*
1270.24[&]		1504.10		233.8558	1/2$^-$,3/2$^-$	0.070 *6*
1282.9[&]		1281.480	1/2$^-$,3/2$^-$	0.0	3/2$^-$	0.170 *9*
1283.27[&]		1385.96	1/2$^{(-)}$,3/2$^{(-)}$	102.7325	(3/2)$^-$	0.019 *4*
1283.82[&]		1590.93	1/2$^-$,3/2$^-$	307.0837	1/2$^-$,3/2$^-$	0.139 *12*
1286.7[&]		1359.52		72.9015	(5/2)$^-$	0.035 *4*
1288.6[&]		1288.468	1/2$^-$,3/2$^-$	0.0	3/2$^-$	0.630 *18*
1288.62[&]		2178.1		889.462		0.042 *11*
1289.13[&]		1744.9		455.773	(5/2)$^-$	0.016 *5*
1292.02[&]		1333.53		41.4842	(1/2$^-$)	0.083 *6*
1295.22[&]		1590.93	1/2$^-$,3/2$^-$	295.6810	(5/2$^-$)	0.046 *6*
1295.92[&]		2185.41		889.462		0.048 *11*

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^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

γ(^{193}Os) (continued)

E_γ [†]	E_i(level)	J_i^π	E_f	J_f^π	I_γ [@]
1296.12[&]	1603.21		307.0837	1/2⁻,3/2⁻	0.272 *16*
1297.27[&]	1400.00		102.7325	(3/2)⁻	0.199 *8*
1305.52[&]	2195.00		889.462		0.082 *11*
1307.52[&]	1603.21		295.6810	(5/2⁻)	0.178 *10*
1309.33[&]	1765.13		455.773	(5/2)⁻	0.048 *5*
1313.1[&]	1385.96	1/2(−),3/2(−)	72.9015	(5/2)⁻	0.029 *5*
1318.12[&]	1359.52		41.4842	(1/2⁻)	0.059 *5*
1325.3[&]	1398.2		72.9015	(5/2)⁻	0.032 *5*
1328.03[&]	1783.81		455.773	(5/2)⁻	0.030 *5*
1333.5[&]	1333.53		0.0	3/2⁻	0.060 *5*
1344.52[&]	1385.96	1/2(−),3/2(−)	41.4842	(1/2⁻)	0.140 *9*
1345.1[&]	1418.00		72.9015	(5/2)⁻	0.045 *5*
1354.9[&]	2064.12		709.199	(5/2⁻,7/2⁻)	0.019 *7*
1358.52[&]	1400.00		41.4842	(1/2⁻)	0.017 *6*
1359.6[&]	1359.52		0.0	3/2⁻	0.045 *5*
1359.62[&]	2249.11		889.462		0.058 *11*
1366.08[&]	1765.13		399.018	(5/2)⁻	0.056 *5*
1369.1[&]	2078.31		709.199	(5/2⁻,7/2⁻)	0.026 *7*
1369.34[&]	1603.21		233.8558	1/2⁻,3/2⁻	0.029 *6*
1373.22[&]	1680.3		307.0837	1/2⁻,3/2⁻	0.024 *8*
1373.6[&]	1446.5		72.9015	(5/2)⁻	0.112 *6*
1375.33[&]	1831.11		455.773	(5/2)⁻	0.022 *5*
1376.22[&]	1683.28		307.0837	1/2⁻,3/2⁻	0.072 *9*
1376.52[&]	1418.00		41.4842	(1/2⁻)	0.016 *5*
1384.78[&]	1783.81		399.018	(5/2)⁻	0.035 *5*
1386.0[&]	1385.96	1/2(−),3/2(−)	0.0	3/2⁻	0.754 *18*
1387.62[&]	1683.28		295.6810	(5/2⁻)	0.138 *9*
1388.8[&]	2098.05		709.199	(5/2⁻,7/2⁻)	0.047 *7*
1398.2[&]	1398.2		0.0	3/2⁻	0.069 *8*
1400.0[&]	1400.00		0.0	3/2⁻	0.034 *6*
1401.37[&]	1504.10		102.7325	(3/2)⁻	0.025 *6*
1412.87[&]	1515.52	1/2⁻,3/2⁻	102.7325	(3/2)⁻	0.085 *8*
1418.0[&]	1418.00		0.0	3/2⁻	0.066 *6*
1420.77[&]	1523.64		102.7325	(3/2)⁻	0.207 *11*
1426.82[&]	1722.5		295.6810	(5/2⁻)	0.018 *6*
1427.57[&]	1530.34		102.7325	(3/2)⁻	0.327 *13*
1432.08[&]	1831.11		399.018	(5/2)⁻	0.020 *4*
1434.0[&]	1434.0		0.0	3/2⁻	0.014 *5*
1436.83[&]	1892.61		455.773	(5/2)⁻	0.021 *6*
1448.08[&]	1847.11		399.018	(5/2)⁻	0.073 *5*
1449.44[&]	1683.28		233.8558	1/2⁻,3/2⁻	0.250 *12*
1452.83[&]	1908.6		455.773	(5/2)⁻	0.025 *6*
1458.02[&]	1765.13		307.0837	1/2⁻,3/2⁻	0.117 *8*
1459.53[&]	1915.28		455.773	(5/2)⁻	0.022 *6*
1474.12[&]	1515.52	1/2⁻,3/2⁻	41.4842	(1/2⁻)	0.051 *6*

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^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

γ(^{193}Os) (continued)

E_γ [†]	E_i(level)	J_i^π	E_f	J_f^π	I_γ [@]
1476.72[&]	1783.81		307.0837	1/2⁻,3/2⁻	0.035 *6*
1478.52[&]	2368.01		889.462		0.064 *8*
1482.02[&]	1523.64		41.4842	(1/2⁻)	0.067 *6*
1483.2[&]	2192.4		709.199	(5/2⁻,7/2⁻)	0.029 *8*
1488.12[&]	1783.81		295.6810	(5/2⁻)	0.025 *5*
1488.17[&]	1590.93	1/2⁻,3/2⁻	102.7325	(3/2)⁻	0.087 *8*
1488.82[&]	1530.34		41.4842	(1/2⁻)	0.248 *10*
1489.88[&]	1888.90		399.018	(5/2)⁻	0.024 *5*
1491.52[&]	2381.01		889.462		0.033 *8*
1497.4[&]	1497.4		0.0	3/2⁻	0.018 *5*
1499.03[&]	1954.81		455.773	(5/2)⁻	0.017 *5*
1499.62[&]	2389.11		889.462		0.065 *8*
1500.47[&]	1603.21		102.7325	(3/2)⁻	0.610 *17*
1504.1[&]	1504.10		0.0	3/2⁻	0.024 *5*
1509.58[&]	1908.6		399.018	(5/2)⁻	0.032 *6*
1514.32[&]	1555.8		41.4842	(1/2⁻)	0.060 *6*
1515.6[&]	1515.52	1/2⁻,3/2⁻	0.0	3/2⁻	0.021 *5*
1516.28[&]	1915.28		399.018	(5/2)⁻	0.019 *6*
1518.0[&]	1590.93	1/2⁻,3/2⁻	72.9015	(5/2)⁻	0.049 *5*
1520.34[&]	1754.2		233.8558	1/2⁻,3/2⁻	0.016 *4*
1523.5[&]	1523.64		0.0	3/2⁻	0.069 *6*
1524.02[&]	1831.11		307.0837	1/2⁻,3/2⁻	0.018 *6*
1526.54[&]	1760.4		233.8558	1/2⁻,3/2⁻	0.014 *4*
1530.3[&]	1603.21		72.9015	(5/2)⁻	0.023 *5*
1531.22[&]	1838.40		307.0837	1/2⁻,3/2⁻	0.399 *15*
1531.24[&]	1765.13		233.8558	1/2⁻,3/2⁻	0.102 *6*
1531.52[&]	2421.0		889.462		0.042 *9*
1535.42[&]	1831.11		295.6810	(5/2⁻)	0.027 *5*
1536.08[&]	1935.1		399.018	(5/2)⁻	0.023 *5*
1540.0[&]	2249.2		709.199	(5/2⁻,7/2⁻)	0.061 *12*
1540.02[&]	1847.11		307.0837	1/2⁻,3/2⁻	0.028 *6*
1549.42[&]	1590.93	1/2⁻,3/2⁻	41.4842	(1/2⁻)	0.040 *5*
1549.94[&]	1783.81		233.8558	1/2⁻,3/2⁻	0.129 *7*
1551.42[&]	1847.11		295.6810	(5/2⁻)	0.019 *5*
1557.83[&]	2013.60		455.773	(5/2)⁻	0.017 *6*
1561.72[&]	1603.21		41.4842	(1/2⁻)	0.671 *17*
1561.94[&]	1795.8		233.8558	1/2⁻,3/2⁻	0.019 *4*
1565.04[&]	1798.9		233.8558	1/2⁻,3/2⁻	0.030 *4*
1578.38[&]	1977.40		399.018	(5/2)⁻	0.021 *5*
1580.57[&]	1683.28		102.7325	(3/2)⁻	0.445 *15*
1581.63[&]	2037.41		455.773	(5/2)⁻	0.030 *6*
1590.9[&]	1590.93	1/2⁻,3/2⁻	0.0	3/2⁻	0.222 *11*
1597.24[&]	1831.11		233.8558	1/2⁻,3/2⁻	0.037 *4*
1603.08[&]	2002.11		399.018	(5/2)⁻	0.025 *6*
1603.2[&]	1603.21		0.0	3/2⁻	0.046 *6*

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^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

γ(^{193}Os) (continued)

E_γ †	E_i(level)	J_i^π	E_f	J_f^π	I_γ @
1604.44&	1838.40		233.8558	1/2⁻,3/2⁻	0.073 *5*
1608.22&	1915.28		307.0837	1/2⁻,3/2⁻	0.416 *16*
1608.33&	2064.12		455.773	(5/2)⁻	0.049 *6*
1610.4&	1683.28		72.9015	(5/2)⁻	0.021 *5*
1618.82&	1660.3		41.4842	(1/2⁻)	0.017 *5*
1619.74&	1853.6		233.8558	1/2⁻,3/2⁻	0.016 *4*
1619.77&	1722.5		102.7325	(3/2)⁻	0.017 *6*
1622.53&	2078.31		455.773	(5/2)⁻	0.043 *6*
1625.33&	2081.11		455.773	(5/2)⁻	0.025 *6*
1634.87&	1737.6		102.7325	(3/2)⁻	0.025 *6*
1641.82&	1683.28		41.4842	(1/2⁻)	0.350 *12*
1641.92&	1949.0		307.0837	1/2⁻,3/2⁻	0.018 *6*
1647.72&	1954.81		307.0837	1/2⁻,3/2⁻	0.016 *6*
1651.78&	2050.8		399.018	(5/2)⁻	0.046 *5*
1657.67&	1760.4		102.7325	(3/2)⁻	0.047 *8*
1662.37&	1765.13		102.7325	(3/2)⁻	0.108 *8*
1665.08&	2064.12		399.018	(5/2)⁻	0.059 *6*
1670.32&	1977.40		307.0837	1/2⁻,3/2⁻	0.107 *8*
1672.0&	1744.9		72.9015	(5/2)⁻	0.016 *5*
1677.23&	2133.00		455.773	(5/2)⁻	0.054 *6*
1679.28&	2078.31		399.018	(5/2)⁻	0.027 *5*
1681.44&	1915.28		233.8558	1/2⁻,3/2⁻	0.294 *10*
1682.08&	2081.11		399.018	(5/2)⁻	0.052 *6*
1683.3&	1683.28		0.0	3/2⁻	0.091 *9*
1687.72&	1983.41		295.6810	(5/2⁻)	0.020 *6*
1692.2&	1765.13		72.9015	(5/2)⁻	0.027 *5*
1693.07&	1795.8		102.7325	(3/2)⁻	0.021 *6*
1693.88&	2092.90		399.018	(5/2)⁻	0.111 *7*
1695.02&	2002.11		307.0837	1/2⁻,3/2⁻	0.040 *6*
1706.42&	2002.11		295.6810	(5/2⁻)	0.039 *6*
1706.52&	2013.60		307.0837	1/2⁻,3/2⁻	0.051 *6*
1707.93&	2163.7		455.773	(5/2)⁻	0.021 *6*
1710.9&	1783.81		72.9015	(5/2)⁻	0.033 *5*
1713.72&	2020.8		307.0837	1/2⁻,3/2⁻	0.021 *6*
1720.94&	1954.81		233.8558	1/2⁻,3/2⁻	0.022 *4*
1722.5&	1722.5		0.0	3/2⁻	0.019 *5*
1723.62&	1765.13		41.4842	(1/2⁻)	0.074 *6*
1730.32&	2037.41		307.0837	1/2⁻,3/2⁻	0.018 *5*
1732.82&	2039.9		307.0837	1/2⁻,3/2⁻	0.021 *5*
1733.98&	2133.00		399.018	(5/2)⁻	0.037 *5*
1735.57&	1838.40		102.7325	(3/2)⁻	0.025 *6*
1741.02&	2048.21		307.0837	1/2⁻,3/2⁻	0.040 *5*
1741.72&	2037.41		295.6810	(5/2⁻)	0.022 *6*
1742.32&	1783.81		41.4842	(1/2⁻)	0.112 *7*
1743.54&	1977.40		233.8558	1/2⁻,3/2⁻	0.030 *4*
1744.37&	1847.11		102.7325	(3/2)⁻	0.080 *8*
1749.54&	1983.41		233.8558	1/2⁻,3/2⁻	0.015 *4*
1753.8&	1826.7		72.9015	(5/2)⁻	0.014 *5*
1754.2&	1754.2		0.0	3/2⁻	0.016 *5*
1755.12&	2050.8		295.6810	(5/2⁻)	0.046 *6*
1755.94&	1989.8		233.8558	1/2⁻,3/2⁻	0.020 *4*
1757.02&	2064.12		307.0837	1/2⁻,3/2⁻	0.053 *5*
1758.2&	1831.11		72.9015	(5/2)⁻	0.032 *5*
1759.97&	1862.7		102.7325	(3/2)⁻	0.029 *6*
1760.52&	1802.0		41.4842	(1/2⁻)	0.022 *5*
1760.52&	2067.60		307.0837	1/2⁻,3/2⁻	0.043 *5*
1765.4&	1838.40		72.9015	(5/2)⁻	0.021 *5*
1768.24&	2002.11		233.8558	1/2⁻,3/2⁻	0.048 *5*
1769.68&	2168.71		399.018	(5/2)⁻	0.049 *5*
1771.22&	2078.31		307.0837	1/2⁻,3/2⁻	0.115 *7*
1774.02&	2081.11		307.0837	1/2⁻,3/2⁻	0.035 *5*
1774.2&	1847.11		72.9015	(5/2)⁻	0.024 *5*
1779.74&	2013.60		233.8558	1/2⁻,3/2⁻	0.015 *4*
1782.62&	2078.31		295.6810	(5/2⁻)	0.020 *6*
1783.8&	1783.81		0.0	3/2⁻	0.065 *6*
1785.42&	2081.11		295.6810	(5/2⁻)	0.027 *6*
1786.17&	1888.90		102.7325	(3/2)⁻	0.032 *8*
1786.94&	2020.8		233.8558	1/2⁻,3/2⁻	0.022 *4*
1789.62&	1831.11		41.4842	(1/2⁻)	0.037 *5*
1790.92&	2098.05		307.0837	1/2⁻,3/2⁻	0.020 *5*
1795.98&	2195.00		399.018	(5/2)⁻	0.016 *5*
1797.22&	2092.90		295.6810	(5/2⁻)	0.038 *6*
1802.32&	2098.05		295.6810	(5/2⁻)	0.023 *6*
1803.54&	2037.41		233.8558	1/2⁻,3/2⁻	0.030 *5*
1805.1&	1805.1		0.0	3/2⁻	0.026 *5*
1805.62&	1847.11		41.4842	(1/2⁻)	0.065 *6*
1806.08&	2205.1		399.018	(5/2)⁻	0.018 *5*
1807.72&	2103.4		295.6810	(5/2⁻)	0.018 *6*
1812.57&	1915.28		102.7325	(3/2)⁻	0.030 *6*
1814.24&	2048.21		233.8558	1/2⁻,3/2⁻	0.049 *6*
1816.0&	1888.90		72.9015	(5/2)⁻	0.029 *5*
1816.94&	2050.8		233.8558	1/2⁻,3/2⁻	0.023 *5*
1818.47&	1921.2		102.7325	(3/2)⁻	0.030 *6*
1819.32&	2126.4		307.0837	1/2⁻,3/2⁻	0.032 *5*
1819.58&	2218.61		399.018	(5/2)⁻	0.014 *5*
1819.7&	1892.61		72.9015	(5/2)⁻	0.040 *5*
1826.7&	1826.7		0.0	3/2⁻	0.018 *5*
1827.12&	2134.2		307.0837	1/2⁻,3/2⁻	0.086 *6*
1831.1&	1831.11		0.0	3/2⁻	0.029 *5*
1832.37&	1935.1		102.7325	(3/2)⁻	0.082 *6*

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^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

γ(^{193}Os) (continued)

E_γ †	E_i(level)	J_i^π	E_f	J_f^π	I_γ @
1833.74&	2067.60		233.8558	1/2⁻,3/2⁻	0.082 *6*
1837.32&	2133.00		295.6810	(5/2⁻)	0.037 *5*
1844.44&	2078.31		233.8558	1/2⁻,3/2⁻	0.052 *5*
1847.1&	1847.11		0.0	3/2⁻	0.026 *6*
1848.3&	1921.2		72.9015	(5/2)⁻	0.013 *5*
1850.02&	2157.1		307.0837	1/2⁻,3/2⁻	0.028 *5*
1850.08&	2249.11		399.018	(5/2)⁻	0.088 *7*
1851.12&	1892.61		41.4842	(1/2⁻)	0.040 *5*
1852.07&	1954.81		102.7325	(3/2)⁻	0.355 *11*
1854.92&	2150.6		295.6810	(5/2⁻)	0.023 *5*
1858.12&	2153.8		295.6810	(5/2⁻)	0.039 *5*
1859.04&	2092.90		233.8558	1/2⁻,3/2⁻	0.032 *5*
1859.2&	1932.1		72.9015	(5/2)⁻	0.089 *5*
1859.38&	2258.4		399.018	(5/2)⁻	0.022 *5*
1860.13&	2315.91		455.773	(5/2)⁻	0.064 *8*
1861.62&	2168.71		307.0837	1/2⁻,3/2⁻	0.026 *5*
1864.14&	2098.05		233.8558	1/2⁻,3/2⁻	0.045 *5*
1867.12&	1908.6		41.4842	(1/2⁻)	0.015 *5*
1873.02&	2168.71		295.6810	(5/2⁻)	0.023 *5*
1873.82&	1915.28		41.4842	(1/2⁻)	0.411 *12*
1874.24&	2108.1		233.8558	1/2⁻,3/2⁻	0.022 *6*
1874.6&	1874.6		0.0	3/2⁻	0.031 *10*
1878.32&	2185.41		307.0837	1/2⁻,3/2⁻	0.023 *11*
1880.67&	1983.41		102.7325	(3/2)⁻	0.070 *6*
1887.92&	2195.00		307.0837	1/2⁻,3/2⁻	0.216 *19*
1890.24&	2124.1		233.8558	1/2⁻,3/2⁻	0.022 *4*
1890.62&	1932.1		41.4842	(1/2⁻)	0.028 *5*
1892.6&	1892.61		0.0	3/2⁻	0.025 *10*
1897.12&	1938.6		41.4842	(1/2⁻)	0.048 *5*
1899.14&	2133.00		233.8558	1/2⁻,3/2⁻	0.054 *7*
1900.34&	2134.2		233.8558	1/2⁻,3/2⁻	0.048 *6*
1902.1&	2611.31		709.199	(5/2⁻,7/2⁻)	0.030 *8*
1910.5&	1983.41		72.9015	(5/2)⁻	0.067 *5*
1910.87&	2013.60		102.7325	(3/2)⁻	0.032 *6*
1915.3&	1915.28		0.0	3/2⁻	0.029 *10*
1922.92&	2218.61		295.6810	(5/2⁻)	0.033 *5*
1929.2&	2002.11		72.9015	(5/2)⁻	0.087 *6*
1929.42&	2225.1		295.6810	(5/2⁻)	0.026 *5*
1929.84&	2163.7		233.8558	1/2⁻,3/2⁻	0.026 *4*
1933.33&	2389.11		455.773	(5/2)⁻	0.028 *10*
1935.1&	1935.1		0.0	3/2⁻	0.023 *10*
1935.92&	1977.40		41.4842	(1/2⁻)	0.037 *5*
1938.6&	1938.6		0.0	3/2⁻	0.321 *24*
1942.02&	2249.11		307.0837	1/2⁻,3/2⁻	0.380 *25*
1945.37&	2048.21		102.7325	(3/2)⁻	0.049 *8*
1948.82&	2255.9		307.0837	1/2⁻,3/2⁻	0.031 *11*
1950.77&	2053.5		102.7325	(3/2)⁻	0.08 *1*
1960.62&	2002.11		41.4842	(1/2⁻)	0.210 *11*
1961.37&	2064.12		102.7325	(3/2)⁻	0.097 *10*
1972.12&	2013.60		41.4842	(1/2⁻)	0.123 *9*
1978.37&	2081.11		102.7325	(3/2)⁻	0.042 *8*
1982.82&	2024.3		41.4842	(1/2⁻)	0.027 *6*
1983.02&	2278.7		295.6810	(5/2⁻)	0.020 *6*
1983.4&	1983.41		0.0	3/2⁻	0.160 *16*
1984.74&	2218.61		233.8558	1/2⁻,3/2⁻	0.073 *6*
1988.14&	2222.0		233.8558	1/2⁻,3/2⁻	0.024 *5*
1990.08&	2389.11		399.018	(5/2)⁻	0.022 *9*
1990.17&	2092.90		102.7325	(3/2)⁻	0.038 *8*
1991.2&	2064.12		72.9015	(5/2)⁻	0.076 *6*
1995.27&	2098.05		102.7325	(3/2)⁻	0.021 *8*
2005.4&	2078.31		72.9015	(5/2)⁻	0.031 *5*
2007.98&	2407.01		399.018	(5/2)⁻	0.031 *9*
2008.2&	2081.11		72.9015	(5/2)⁻	0.054 *5*
2008.82&	2315.91		307.0837	1/2⁻,3/2⁻	0.020 *8*
2011.93&	2467.71		455.773	(5/2)⁻	0.025 *10*
2018.22&	2059.7		41.4842	(1/2⁻)	0.018 *6*
2020.0&	2092.90		72.9015	(5/2)⁻	0.022 *5*
2020.22&	2315.91		295.6810	(5/2⁻)	0.022 *6*
2021.37&	2124.1		102.7325	(3/2)⁻	0.046 *8*
2021.98&	2421.0		399.018	(5/2)⁻	0.017 *5*
2022.62&	2064.12		41.4842	(1/2⁻)	0.051 *7*
2024.82&	2320.51		295.6810	(5/2⁻)	0.020 *6*
2030.27&	2133.00		102.7325	(3/2)⁻	0.017 *6*
2030.42&	2326.11		295.6810	(5/2⁻)	0.027 *6*
2033.78&	2432.81		399.018	(5/2)⁻	0.019 *5*
2036.82&	2078.31		41.4842	(1/2⁻)	0.295 *12*
2039.23&	2495.01		455.773	(5/2)⁻	0.063 *7*
2039.9&	2039.9		0.0	3/2⁻	0.043 *5*
2040.77&	2143.5		102.7325	(3/2)⁻	0.015 *6*
2043.32&	2350.4		307.0837	1/2⁻,3/2⁻	0.019 *8*
2048.1&	2048.21		0.0	3/2⁻	0.141 *8*
2051.07&	2153.8		102.7325	(3/2)⁻	0.061 *8*
2052.53&	2508.31		455.773	(5/2)⁻	0.044 *6*
2056.03&	2511.81		455.773	(5/2)⁻	0.028 *6*
2056.52&	2098.05		41.4842	(1/2⁻)	0.021 *6*
2060.92&	2368.01		307.0837	1/2⁻,3/2⁻	0.019 *8*
2061.92&	2103.4		41.4842	(1/2⁻)	0.018 *6*
2063.43&	2519.21		455.773	(5/2)⁻	0.035 *6*
2064.1&	2064.12		0.0	3/2⁻	0.039 *5*
2065.97&	2168.71		102.7325	(3/2)⁻	0.017 *6*

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^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

γ(^{193}Os) (continued)

E_γ †	E_i(level)	J_i^π	E_f	J_f^π	I_γ @
2067.6&	2067.60		0.0	3/2⁻	0.030 *5*
2068.68&	2467.71		399.018	(5/2)⁻	0.020 *5*
2072.63&	2528.41		455.773	(5/2)⁻	0.026 *6*
2073.92&	2381.01		307.0837	1/2⁻,3/2⁻	0.020 *8*
2074.42&	2115.9		41.4842	(1/2⁻)	0.032 *6*
2076.14&	2310.0		233.8558	1/2⁻,3/2⁻	0.035 *16*
2078.3&	2078.31		0.0	3/2⁻	0.039 *5*
2082.67&	2185.41		102.7325	(3/2)⁻	0.146 *10*
2084.92&	2126.4		41.4842	(1/2⁻)	0.032 *6*
2086.03&	2541.81		455.773	(5/2)⁻	0.051 *6*
2086.64&	2320.51		233.8558	1/2⁻,3/2⁻	0.078 *7*
2089.67&	2192.4		102.7325	(3/2)⁻	0.078 *8*
2090.58&	2489.61		399.018	(5/2)⁻	0.033 *5*
2090.8&	2163.7		72.9015	(5/2)⁻	0.042 *5*
2092.27&	2195.00		102.7325	(3/2)⁻	0.046 *8*
2092.9&	2092.90		0.0	3/2⁻	0.020 *5*
2093.42&	2389.11		295.6810	(5/2⁻)	0.023 *6*
2098.0&	2098.05		0.0	3/2⁻	0.024 *5*
2102.37&	2205.1		102.7325	(3/2)⁻	0.040 *6*
2108.4&	2181.3		72.9015	(5/2)⁻	0.019 *5*
2109.12&	2150.6		41.4842	(1/2⁻)	0.018 *7*
2109.28&	2508.31		399.018	(5/2)⁻	0.020 *5*
2111.32&	2407.01		295.6810	(5/2⁻)	0.041 *7*
2111.33&	2567.11		455.773	(5/2)⁻	0.047 *6*
2111.7&	2111.7		0.0	3/2⁻	0.024 *5*
2112.78&	2511.81		399.018	(5/2)⁻	0.086 *6*
2113.6&	2822.8		709.199	(5/2⁻,7/2⁻)	0.030 *7*
2114.14&	2348.01		233.8558	1/2⁻,3/2⁻	0.029 *6*
2124.33&	2580.11		455.773	(5/2)⁻	0.037 *6*
2125.72&	2432.81		307.0837	1/2⁻,3/2⁻	0.037 *9*
2127.04&	2360.9		233.8558	1/2⁻,3/2⁻	0.021 *6*
2127.22&	2168.71		41.4842	(1/2⁻)	0.187 *11*
2127.87&	2230.6		102.7325	(3/2)⁻	0.042 *6*
2133.0&	2133.00		0.0	3/2⁻	0.030 *5*
2134.14&	2368.01		233.8558	1/2⁻,3/2⁻	0.172 *11*
2134.2&	2134.2		0.0	3/2⁻	0.021 *5*
2139.82&	2181.3		41.4842	(1/2⁻)	0.056 *7*
2143.92&	2185.41		41.4842	(1/2⁻)	0.017 *6*
2146.37&	2249.11		102.7325	(3/2)⁻	0.067 *8*
2147.03&	2602.81		455.773	(5/2)⁻	0.022 *6*
2150.92&	2192.4		41.4842	(1/2⁻)	0.063 *7*
2151.32&	2447.0		295.6810	(5/2⁻)	0.019 *6*
2151.42&	2458.5		307.0837	1/2⁻,3/2⁻	0.017 *6*
2153.17&	2255.9		102.7325	(3/2)⁻	0.021 *6*
2154.6&	2863.82		709.199	(5/2⁻,7/2⁻)	0.045 *7*
2154.62&	2461.7		307.0837	1/2⁻,3/2⁻	0.031 *6*
2155.24&	2389.11		233.8558	1/2⁻,3/2⁻	0.020 *5*
2157.1&	2157.1		0.0	3/2⁻	0.030 *5*
2160.62&	2467.71		307.0837	1/2⁻,3/2⁻	0.019 *6*
2163.32&	2470.4		307.0837	1/2⁻,3/2⁻	0.025 *6*
2168.08&	2567.11		399.018	(5/2)⁻	0.034 *6*
2168.7&	2168.71		0.0	3/2⁻	0.111 *8*
2175.97&	2278.7		102.7325	(3/2)⁻	0.021 *6*
2176.2&	2249.11		72.9015	(5/2)⁻	0.152 *9*
2179.62&	2486.7		307.0837	1/2⁻,3/2⁻	0.016 *6*
2182.52&	2489.61		307.0837	1/2⁻,3/2⁻	0.024 *6*
2182.67&	2285.4		102.7325	(3/2)⁻	0.055 *6*
2183.62&	2225.1		41.4842	(1/2⁻)	0.251 *12*
2187.92&	2495.01		307.0837	1/2⁻,3/2⁻	0.024 *5*
2192.94&	2426.8		233.8558	1/2⁻,3/2⁻	0.017 *5*
2194.57&	2297.3		102.7325	(3/2)⁻	0.017 *6*
2198.42&	2239.9		41.4842	(1/2⁻)	0.021 *6*
2201.22&	2508.31		307.0837	1/2⁻,3/2⁻	0.022 *5*
2203.78&	2602.81		399.018	(5/2)⁻	0.028 *6*
2204.02&	2499.71		295.6810	(5/2⁻)	0.051 *6*
2204.72&	2511.81		307.0837	1/2⁻,3/2⁻	0.023 *6*
2204.82&	2246.3		41.4842	(1/2⁻)	0.029 *6*
2205.8&	2278.7		72.9015	(5/2)⁻	0.028 *5*
2207.02&	2514.11		307.0837	1/2⁻,3/2⁻	0.027 *6*
2209.42&	2250.9		41.4842	(1/2⁻)	0.028 *6*
2217.77&	2320.51		102.7325	(3/2)⁻	0.076 *6*
2218.42&	2514.11		295.6810	(5/2⁻)	0.020 *6*
2218.6&	2218.61		0.0	3/2⁻	0.030 *5*
2222.0&	2222.0		0.0	3/2⁻	0.014 *5*
2223.37&	2326.11		102.7325	(3/2)⁻	0.291 *11*
2223.82&	2530.9		307.0837	1/2⁻,3/2⁻	0.021 *6*
2224.4&	2297.3		72.9015	(5/2)⁻	0.033 *5*
2227.84&	2461.7		233.8558	1/2⁻,3/2⁻	0.110 *7*
2229.87&	2332.6		102.7325	(3/2)⁻	0.017 *6*
2230.6&	2230.6		0.0	3/2⁻	0.023 *5*
2233.84&	2467.71		233.8558	1/2⁻,3/2⁻	0.022 *5*
2234.6&	2234.6		0.0	3/2⁻	0.021 *5*
2234.72&	2541.81		307.0837	1/2⁻,3/2⁻	0.051 *6*
2240.17&	2342.9		102.7325	(3/2)⁻	0.055 *6*
2245.27&	2348.01		102.7325	(3/2)⁻	0.055 *6*
2247.52&	2554.6		307.0837	1/2⁻,3/2⁻	0.019 *6*
2249.02&	2290.5		41.4842	(1/2⁻)	0.033 *5*
2250.44&	2484.3		233.8558	1/2⁻,3/2⁻	0.035 *5*
2250.9&	2250.9		0.0	3/2⁻	0.60 *3*
2251.02&	2558.1		307.0837	1/2⁻,3/2⁻	0.022 *6*

Continued on next page (footnotes at end of table)

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

γ(^{193}Os) (continued)

E_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	I_γ[@]
2252.52[&]	2548.2		295.6810	(5/2$^-$)	0.029 *7*
2253.32[&]	2560.41		307.0837	1/2$^-$,3/2$^-$	0.040 *6*
2255.82[&]	2297.3		41.4842	(1/2$^-$)	0.032 *5*
2258.4[&]	2258.4		0.0	3/2$^-$	0.024 *9*
2260.02[&]	2567.11		307.0837	1/2$^-$,3/2$^-$	0.042 *6*
2261.14[&]	2495.01		233.8558	1/2$^-$,3/2$^-$	0.015 *5*
2261.47[&]	2364.2		102.7325	(3/2)$^-$	0.025 *6*
2264.43[&]	2720.22		455.773	(5/2)$^-$	0.024 *7*
2265.27[&]	2368.01		102.7325	(3/2)$^-$	0.093 *8*
2265.84[&]	2499.71		233.8558	1/2$^-$,3/2$^-$	0.025 *5*
2268.52[&]	2310.0		41.4842	(1/2$^-$)	0.045 *5*
2274.42[&]	2315.91		41.4842	(1/2$^-$)	0.056 *5*
2274.44[&]	2508.31		233.8558	1/2$^-$,3/2$^-$	0.073 *6*
2280.24[&]	2514.11		233.8558	1/2$^-$,3/2$^-$	0.039 *5*
2280.58[&]	2679.61		399.018	(5/2)$^-$	0.072 *6*
2284.42[&]	2580.11		295.6810	(5/2$^-$)	0.024 *6*
2284.62[&]	2326.11		41.4842	(1/2$^-$)	0.048 *5*
2286.37[&]	2389.11		102.7325	(3/2)$^-$	0.055 *6*
2290.5[&]	2290.5		0.0	3/2$^-$	0.020 *8*
2291.12[&]	2332.6		41.4842	(1/2$^-$)	0.016 *5*
2294.3[&]	2294.3		0.0	3/2$^-$	0.021 *8*
2298.62[&]	2340.1		41.4842	(1/2$^-$)	0.026 *5*
2299.84[&]	2533.7		233.8558	1/2$^-$,3/2$^-$	0.058 *5*
2300.48[&]	2699.52		399.018	(5/2)$^-$	0.026 *5*
2301.42[&]	2342.9		41.4842	(1/2$^-$)	0.029 *5*
2304.27[&]	2407.01		102.7325	(3/2)$^-$	0.080 *8*
2304.68[&]	2703.72		399.018	(5/2)$^-$	0.016 *5*
2306.52[&]	2348.01		41.4842	(1/2$^-$)	0.110 *6*
2307.94[&]	2541.81		233.8558	1/2$^-$,3/2$^-$	0.052 *5*
2308.1[&]	2381.01		72.9015	(5/2)$^-$	0.019 *5*
2310.0[&]	2310.0		0.0	3/2$^-$	0.052 *14*
2314.34[&]	2548.2		233.8558	1/2$^-$,3/2$^-$	0.093 *6*
2315.62[&]	2611.31		295.6810	(5/2$^-$)	0.048 *6*
2315.9[&]	2315.91		0.0	3/2$^-$	0.026 *9*
2320.5[&]	2320.51		0.0	3/2$^-$	0.107 *13*
2321.18[&]	2720.22		399.018	(5/2)$^-$	0.021 *5*
2322.22[&]	2629.3		307.0837	1/2$^-$,3/2$^-$	0.015 *6*
2324.07[&]	2426.8		102.7325	(3/2)$^-$	0.036 *6*
2326.1[&]	2326.11		0.0	3/2$^-$	0.066 *10*
2326.33[&]	2782.12		455.773	(5/2)$^-$	0.026 *7*
2326.52[&]	2368.01		41.4842	(1/2$^-$)	0.052 *6*
2326.54[&]	2560.41		233.8558	1/2$^-$,3/2$^-$	0.035 *5*
2328.57[&]	2431.3		102.7325	(3/2)$^-$	0.093 *10*
2330.07[&]	2432.81		102.7325	(3/2)$^-$	0.019 *8*
2344.14[&]	2578.0		233.8558	1/2$^-$,3/2$^-$	0.027 *9*
2346.24[&]	2580.11		233.8558	1/2$^-$,3/2$^-$	0.052 *9*
2347.37[&]	2450.1		102.7325	(3/2)$^-$	0.019 *6*
2347.62[&]	2389.11		41.4842	(1/2$^-$)	0.026 *6*
2348.0[&]	2348.01		0.0	3/2$^-$	0.032 *5*
2349.73[&]	2805.52		455.773	(5/2)$^-$	0.032 *6*
2354.72[&]	2661.8		307.0837	1/2$^-$,3/2$^-$	0.020 *6*
2355.77[&]	2458.5		102.7325	(3/2)$^-$	0.027 *6*
2363.54[&]	2597.4		233.8558	1/2$^-$,3/2$^-$	0.019 *5*
2364.2[&]	2364.2		0.0	3/2$^-$	0.024 *5*
2364.32[&]	2671.42		307.0837	1/2$^-$,3/2$^-$	0.060 *6*
2364.97[&]	2467.71		102.7325	(3/2)$^-$	0.021 *6*
2365.52[&]	2407.01		41.4842	(1/2$^-$)	0.072 *6*
2372.52[&]	2414.0		41.4842	(1/2$^-$)	0.021 *6*
2373.1[&]	2373.1		0.0	3/2$^-$	0.016 *5*
2377.2[&]	2450.1		72.9015	(5/2)$^-$	0.015 *5*
2379.52[&]	2421.0		41.4842	(1/2$^-$)	0.070 *7*
2380.84[&]	2614.7		233.8558	1/2$^-$,3/2$^-$	0.028 *5*
2381.0[&]	2381.01		0.0	3/2$^-$	0.043 *5*
2381.57[&]	2484.3		102.7325	(3/2)$^-$	0.023 *6*
2386.87[&]	2489.61		102.7325	(3/2)$^-$	0.021 *8*
2389.1[&]	2389.11		0.0	3/2$^-$	0.153 *10*
2389.92[&]	2697.01		307.0837	1/2$^-$,3/2$^-$	0.019 *6*
2391.32[&]	2432.81		41.4842	(1/2$^-$)	0.155 *9*
2396.22[&]	2437.7		41.4842	(1/2$^-$)	0.017 *6*
2396.3[&]	2396.3		0.0	3/2$^-$	0.046 *5*
2396.62[&]	2703.72		307.0837	1/2$^-$,3/2$^-$	0.045 *6*
2396.97[&]	2499.71		102.7325	(3/2)$^-$	0.021 *8*
2401.32[&]	2697.01		295.6810	(5/2$^-$)	0.051 *8*
2405.52[&]	2447.0		41.4842	(1/2$^-$)	0.051 *6*
2405.57[&]	2508.31		102.7325	(3/2)$^-$	0.027 *8*
2407.0[&]	2407.01		0.0	3/2$^-$	0.024 *5*
2407.72[&]	2714.8		307.0837	1/2$^-$,3/2$^-$	0.032 *6*
2408.03[&]	2863.82		455.773	(5/2)$^-$	0.082 *7*
2409.07[&]	2511.81		102.7325	(3/2)$^-$	0.07 *1*
2409.82[&]	2716.9		307.0837	1/2$^-$,3/2$^-$	0.029 *6*
2413.12[&]	2720.22		307.0837	1/2$^-$,3/2$^-$	0.028 *6*
2413.22[&]	2708.9		295.6810	(5/2$^-$)	0.022 *7*
2416.47[&]	2519.21		102.7325	(3/2)$^-$	0.034 *8*
2422.1[&]	2495.01		72.9015	(5/2)$^-$	0.070 *5*
2425.67[&]	2528.41		102.7325	(3/2)$^-$	0.019 *8*
2426.22[&]	2467.71		41.4842	(1/2$^-$)	0.052 *6*
2426.8[&]	2426.8		0.0	3/2$^-$	0.055 *6*
2426.8[&]	2499.71		72.9015	(5/2)$^-$	0.027 *5*
2431.3[&]	2431.3		0.0	3/2$^-$	0.047 *6*
2432.8[&]	2432.81		0.0	3/2$^-$	0.019 *5*

Continued on next page (footnotes at end of table)

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

γ(^{193}Os) (continued)

E_γ †	E_i(level)	J_i^π	E_f	J_f^π	I_γ @
2433.4&	2506.3		72.9015	$(5/2)^-$	0.045 *5*
2434.82&	2741.92		307.0837	$1/2^-,3/2^-$	0.021 *6*
2437.54&	2671.42		233.8558	$1/2^-,3/2^-$	0.035 *6*
2438.9&	2511.81		72.9015	$(5/2)^-$	0.040 *5*
2439.07&	2541.81		102.7325	$(3/2)^-$	0.076 *10*
2442.5&	2442.5		0.0	$3/2^-$	0.032 *5*
2442.82&	2484.3		41.4842	$(1/2^-)$	0.057 *6*
2445.47&	2548.2		102.7325	$(3/2)^-$	0.044 *8*
2445.74&	2679.61		233.8558	$1/2^-,3/2^-$	0.022 *6*
2445.82&	2752.9		307.0837	$1/2^-,3/2^-$	0.027 *6*
2446.3&	2519.21		72.9015	$(5/2)^-$	0.018 *5*
2455.5&	2528.41		72.9015	$(5/2)^-$	0.030 *5*
2456.34&	2690.2		233.8558	$1/2^-,3/2^-$	0.033 *7*
2457.67&	2560.41		102.7325	$(3/2)^-$	0.030 *8*
2457.82&	2764.9		307.0837	$1/2^-,3/2^-$	0.026 *6*
2458.22&	2499.71		41.4842	$(1/2^-)$	0.077 *15*
2461.7&	2461.7		0.0	$3/2^-$	0.027 *5*
2463.14&	2697.01		233.8558	$1/2^-,3/2^-$	0.030 *7*
2465.64&	2699.52		233.8558	$1/2^-,3/2^-$	0.024 *7*
2466.82&	2508.31		41.4842	$(1/2^-)$	0.034 *7*
2466.82&	2773.92		307.0837	$1/2^-,3/2^-$	0.033 *6*
2468.9&	2541.81		72.9015	$(5/2)^-$	0.022 *6*
2469.84&	2703.72		233.8558	$1/2^-,3/2^-$	0.076 *9*
2470.4&	2470.4		0.0	$3/2^-$	0.025 *8*
2472.62&	2514.11		41.4842	$(1/2^-)$	0.023 *7*
2475.02&	2782.12		307.0837	$1/2^-,3/2^-$	0.023 *6*
2475.04&	2708.9		233.8558	$1/2^-,3/2^-$	0.066 *8*
2477.02&	2784.1		307.0837	$1/2^-,3/2^-$	0.041 *6*
2477.37&	2580.11		102.7325	$(3/2)^-$	0.158 *10*
2477.72&	2519.21		41.4842	$(1/2^-)$	0.032 *7*
2480.94&	2714.8		233.8558	$1/2^-,3/2^-$	0.022 *6*
2484.92&	2792.0		307.0837	$1/2^-,3/2^-$	0.049 *6*
2486.34&	2720.22		233.8558	$1/2^-,3/2^-$	0.026 *6*
2487.5&	2560.41		72.9015	$(5/2)^-$	0.030 *5*
2487.98&	2887.0		399.018	$(5/2)^-$	0.028 *6*
2489.6&	2489.61		0.0	$3/2^-$	0.044 *6*
2489.74&	2723.6		233.8558	$1/2^-,3/2^-$	0.048 *6*
2490.82&	2797.92		307.0837	$1/2^-,3/2^-$	0.039 *6*
2494.2&	2567.11		72.9015	$(5/2)^-$	0.057 *6*
2496.32&	2792.0		295.6810	$(5/2^-)$	0.024 *7*
2499.7&	2499.71		0.0	$3/2^-$	0.027 *6*
2500.44&	2734.3		233.8558	$1/2^-,3/2^-$	0.027 *6*
2503.5&	2503.5		0.0	$3/2^-$	0.019 *6*
2504.17&	2606.9		102.7325	$(3/2)^-$	0.023 *6*
2504.52&	2811.6		307.0837	$1/2^-,3/2^-$	0.029 *6*

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^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

γ(^{193}Os) (continued)

E_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	I_γ[@]
2504.54[&]	2738.4		233.8558	1/2⁻,3/2⁻	0.021 *6*
2507.2[&]	2580.11		72.9015	(5/2)⁻	0.045 *5*
2508.04[&]	2741.92		233.8558	1/2⁻,3/2⁻	0.020 *6*
2508.3[&]	2508.31		0.0	3/2⁻	0.083 *8*
2508.57[&]	2611.31		102.7325	(3/2)⁻	0.049 *6*
2509.98[&]	2909.02		399.018	(5/2)⁻	0.028 *5*
2511.8[&]	2511.81		0.0	3/2⁻	0.031 *6*
2514.1[&]	2514.11		0.0	3/2⁻	0.026 *6*
2516.62[&]	2558.1		41.4842	(1/2⁻)	0.081 *7*
2516.63[&]	2972.4		455.773	(5/2)⁻	0.047 *6*
2519.04[&]	2752.9		233.8558	1/2⁻,3/2⁻	0.016 *6*
2519.2[&]	2519.21		0.0	3/2⁻	0.032 *6*
2524.34[&]	2758.2		233.8558	1/2⁻,3/2⁻	0.044 *6*
2525.62[&]	2567.11		41.4842	(1/2⁻)	0.040 *6*
2526.57[&]	2629.3		102.7325	(3/2)⁻	0.044 *6*
2528.4[&]	2528.41		0.0	3/2⁻	0.015 *6*
2529.57[&]	2632.3		102.7325	(3/2)⁻	0.030 *6*
2529.9[&]	2602.81		72.9015	(5/2)⁻	0.043 *5*
2533.7[&]	2533.7		0.0	3/2⁻	0.105 *9*
2535.07[&]	2637.8		102.7325	(3/2)⁻	0.015 *6*
2538.62[&]	2580.11		41.4842	(1/2⁻)	0.032 *6*
2540.04[&]	2773.92		233.8558	1/2⁻,3/2⁻	0.022 *6*
2541.8[&]	2541.81		0.0	3/2⁻	0.015 *6*
2543.52[&]	2585.0		41.4842	(1/2⁻)	0.030 *6*
2545.54[&]	2779.4		233.8558	1/2⁻,3/2⁻	0.018 *6*
2548.24[&]	2782.12		233.8558	1/2⁻,3/2⁻	0.029 *9*
2549.22[&]	2856.3		307.0837	1/2⁻,3/2⁻	0.032 *6*
2550.24[&]	2784.1		233.8558	1/2⁻,3/2⁻	0.027 *9*
2551.3[&]	2551.3		0.0	3/2⁻	0.144 *10*
2553.87[&]	2656.6		102.7325	(3/2)⁻	0.040 *8*
2554.6[&]	2554.6		0.0	3/2⁻	0.016 *6*
2561.32[&]	2602.81		41.4842	(1/2⁻)	0.029 *7*
2564.04[&]	2797.92		233.8558	1/2⁻,3/2⁻	0.022 *6*
2567.1[&]	2567.11		0.0	3/2⁻	0.070 *9*
2568.67[&]	2671.42		102.7325	(3/2)⁻	0.057 *11*
2569.82[&]	2611.31		41.4842	(1/2⁻)	0.233 *13*
2573.5[a]	(5583.93)	1/2⁺	3010.4		
2577.3[a]	(5583.93)	1/2⁺	3006.62		
2579.92[&]	2887.0		307.0837	1/2⁻,3/2⁻	0.019 *6*
2582.2[a]	(5583.93)	1/2⁺	3001.7		
2585.0[&]	2585.0		0.0	3/2⁻	0.018 *6*
2590.82[&]	2632.3		41.4842	(1/2⁻)	0.041 *7*
2591.17[&]	2693.9		102.7325	(3/2)⁻	0.019 *6*
2594.27[&]	2697.01		102.7325	(3/2)⁻	0.047 *8*
2596.32[&]	2637.8		41.4842	(1/2⁻)	0.039 *6*

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^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

γ(^{193}Os) (continued)

E_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	I_γ[@]
2596.44[&]	2830.3		233.8558	1/2⁻,3/2⁻	0.097 *7*
2596.77[&]	2699.52		102.7325	(3/2)⁻	0.101 *10*
2597.0[a]	(5583.93)	1/2⁺	2986.9		
2597.02[&]	2904.1		307.0837	1/2⁻,3/2⁻	0.034 *6*
2597.4[&]	2597.4		0.0	3/2⁻	0.067 *9*
2598.5[&]	2671.42		72.9015	(5/2)⁻	0.040 *6*
2600.97[&]	2703.72		102.7325	(3/2)⁻	0.032 *8*
2601.92[&]	2909.02		307.0837	1/2⁻,3/2⁻	0.030 *7*
2602.8[&]	2602.81		0.0	3/2⁻	0.021 *6*
2604.0[a]	(5583.93)	1/2⁺	2979.9		
2606.22[&]	2913.3		307.0837	1/2⁻,3/2⁻	0.043 *7*
2610.92[&]	2918.0		307.0837	1/2⁻,3/2⁻	0.021 *6*
2611.3[&]	2611.31		0.0	3/2⁻	0.020 *6*
2611.5[a]	(5583.93)	1/2⁺	2972.4		
2614.2[&]	2687.1		72.9015	(5/2)⁻	0.026 *6*
2615.12[&]	2656.6		41.4842	(1/2⁻)	0.057 *7*
2621.0[&]	2693.9		72.9015	(5/2)⁻	0.026 *6*
2625.47[&]	2728.2		102.7325	(3/2)⁻	0.029 *6*
2626.6[&]	2699.52		72.9015	(5/2)⁻	0.024 *6*
2629.92[&]	2671.42		41.4842	(1/2⁻)	0.077 *7*
2632.3[&]	2632.3		0.0	3/2⁻	0.049 *8*
2635.67[&]	2738.4		102.7325	(3/2)⁻	0.021 *8*
2637.8[&]	2637.8		0.0	3/2⁻	0.018 *6*
2638.12[&]	2679.61		41.4842	(1/2⁻)	0.035 *6*
2639.17[&]	2741.92		102.7325	(3/2)⁻	0.030 *8*
2641.94[&]	2875.8		233.8558	1/2⁻,3/2⁻	0.020 *6*
2643.97[&]	2746.7		102.7325	(3/2)⁻	0.053 *8*
2645.62[&]	2687.1		41.4842	(1/2⁻)	0.032 *6*
2646.14[&]	2880.0		233.8558	1/2⁻,3/2⁻	0.025 *6*
2647.07[&]	2749.8		102.7325	(3/2)⁻	0.038 *8*
2647.3[&]	2720.22		72.9015	(5/2)⁻	0.026 *6*
2648.72[&]	2690.2		41.4842	(1/2⁻)	0.028 *6*
2650.7[&]	2723.6		72.9015	(5/2)⁻	0.023 *6*
2656.6[&]	2656.6		0.0	3/2⁻	0.043 *6*
2658.02[&]	2699.52		41.4842	(1/2⁻)	0.041 *7*
2662.22[&]	2703.72		41.4842	(1/2⁻)	0.046 *7*
2665.9[a]	(5583.93)	1/2⁺	2918.0		
2670.6[a]	(5583.93)	1/2⁺	2913.3		
2671.17[&]	2773.92		102.7325	(3/2)⁻	0.070 *8*
2671.4[&]	2671.42		0.0	3/2⁻	0.125 *11*
2674.9[a]	(5583.93)	1/2⁺	2909.02		
2675.14[&]	2909.02		233.8558	1/2⁻,3/2⁻	0.069 *6*
2676.9[&]	2749.8		72.9015	(5/2)⁻	0.056 *6*
2678.72[&]	2720.22		41.4842	(1/2⁻)	0.057 *12*
2679.37[&]	2782.12		102.7325	(3/2)⁻	0.030 *6*

Continued on next page (footnotes at end of table)

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

γ(^{193}Os) (continued)

E_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	I_γ[@]
2679.6[&]	2679.61		0.0	3/2⁻	0.030 *8*
2679.8[a]	(5583.93)	1/2⁺	2904.1		
2686.72[&]	2728.2		41.4842	(1/2⁻)	0.057 *7*
2695.17[&]	2797.92		102.7325	(3/2)⁻	0.087 *8*
2696.9[a]	(5583.93)	1/2⁺	2887.0		
2696.92[&]	2738.4		41.4842	(1/2⁻)	0.018 *10*
2699.5[&]	2699.52		0.0	3/2⁻	0.076 *8*
2702.77[&]	2805.52		102.7325	(3/2)⁻	0.072 *6*
2703.9[a]	(5583.93)	1/2⁺	2880.0		
2708.1[a]	(5583.93)	1/2⁺	2875.8		
2709.2[&]	2782.12		72.9015	(5/2)⁻	0.032 *6*
2713.9[a]	(5583.93)	1/2⁺	2870.0		
2720.1[a]	(5583.93)	1/2⁺	2863.82		
2720.2[&]	2720.22		0.0	3/2⁻	0.025 *6*
2727.57[&]	2830.3		102.7325	(3/2)⁻	0.036 *6*
2727.6[a]	(5583.93)	1/2⁺	2856.3		
2731.57[&]	2834.3		102.7325	(3/2)⁻	0.042 *6*
2732.1[&]	2732.1		0.0	3/2⁻	0.062 *11*
2732.42[&]	2773.92		41.4842	(1/2⁻)	0.018 *6*
2734.3[&]	2734.3		0.0	3/2⁻	0.062 *10*
2738.7[&]	2811.6		72.9015	(5/2)⁻	0.024 *6*
2740.62[&]	2782.12		41.4842	(1/2⁻)	0.023 *6*
2741.9[&]	2741.92		0.0	3/2⁻	0.056 *6*
2749.6[a]	(5583.93)	1/2⁺	2834.3		
2749.8[&]	2749.8		0.0	3/2⁻	0.025 *6*
2750.52[&]	2792.0		41.4842	(1/2⁻)	0.015 *6*
2753.57[&]	2856.3		102.7325	(3/2)⁻	0.036 *6*
2753.6[a]	(5583.93)	1/2⁺	2830.3		
2761.07[&]	2863.82		102.7325	(3/2)⁻	0.055 *6*
2761.1[a]	(5583.93)	1/2⁺	2822.8		
2761.7[&]	2761.7		0.0	3/2⁻	0.030 *6*
2764.02[&]	2805.52		41.4842	(1/2⁻)	0.082 *7*
2767.27[&]	2870.0		102.7325	(3/2)⁻	0.19 *1*
2772.3[a]	(5583.93)	1/2⁺	2811.6		
2772.74[&]	3006.62		233.8558	1/2⁻,3/2⁻	0.016 *6*
2773.07[&]	2875.8		102.7325	(3/2)⁻	0.019 *6*
2773.9[&]	2773.92		0.0	3/2⁻	0.040 *6*
2778.4[a]	(5583.93)	1/2⁺	2805.52		
2782.1[&]	2782.12		0.0	3/2⁻	0.025 *6*
2786.0[a]	(5583.93)	1/2⁺	2797.92		
2791.9[a]	(5583.93)	1/2⁺	2792.0		
2797.9[&]	2797.92		0.0	3/2⁻	0.037 *6*
2799.8[a]	(5583.93)	1/2⁺	2784.1		
2801.8[a]	(5583.93)	1/2⁺	2782.12		
2804.5[a]	(5583.93)	1/2⁺	2779.4		
2805.5[&]	2805.52		0.0	3/2⁻	0.027 *6*
2806.27[&]	2909.02		102.7325	(3/2)⁻	0.116 *8*

Continued on next page (footnotes at end of table)

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

γ(^{193}Os) (continued)

E_γ †	E_i(level)	J_i^π	E_f	J_f^π	I_γ @
2807.1&	2880.0		72.9015	(5/2)$^-$	0.027 *6*
2810.0[a]	(5583.93)	1/2$^+$	2773.92		
2814.1&	2887.0		72.9015	(5/2)$^-$	0.127 *9*
2819.0[a]	(5583.93)	1/2$^+$	2764.9		
2822.2[a]	(5583.93)	1/2$^+$	2761.7		
2822.32&	2863.82		41.4842	(1/2$^-$)	0.041 *6*
2825.7[a]	(5583.93)	1/2$^+$	2758.2		
2828.52&	2870.0		41.4842	(1/2$^-$)	0.099 *9*
2831.0[a]	(5583.93)	1/2$^+$	2752.9		
2834.1[a]	(5583.93)	1/2$^+$	2749.8		
2837.2[a]	(5583.93)	1/2$^+$	2746.7		
2842.0[a]	(5583.93)	1/2$^+$	2741.92		
2845.5[a]	(5583.93)	1/2$^+$	2738.4		
2849.6[a]	(5583.93)	1/2$^+$	2734.3		
2851.8[a]	(5583.93)	1/2$^+$	2732.1		
2855.7[a]	(5583.93)	1/2$^+$	2728.2		
2856.3&	2856.3		0.0	3/2$^-$	0.138 *9*
2860.3[a]	(5583.93)	1/2$^+$	2723.6		
2863.7[a]	(5583.93)	1/2$^+$	2720.22		
2867.0[a]	(5583.93)	1/2$^+$	2716.9		
2867.52&	2909.02		41.4842	(1/2$^-$)	0.153 *12*
2869.1[a]	(5583.93)	1/2$^+$	2714.8		
2870.0&	2870.0		0.0	3/2$^-$	0.071 *8*
2871.82&	2913.3		41.4842	(1/2$^-$)	0.037 *7*
2875.0[a]	(5583.93)	1/2$^+$	2708.9		
2875.8&	2875.8		0.0	3/2$^-$	0.045 *6*
2877.17&	2979.9		102.7325	(3/2)$^-$	0.034 *8*
2880.2[a]	(5583.93)	1/2$^+$	2703.72		
2884.4[a]	(5583.93)	1/2$^+$	2699.52		
2886.9[a]	(5583.93)	1/2$^+$	2697.01		
2890.0[a]	(5583.93)	1/2$^+$	2693.9		
2893.7[a]	(5583.93)	1/2$^+$	2690.2		
2896.8[a]	(5583.93)	1/2$^+$	2687.1		
2898.97&	3001.7		102.7325	(3/2)$^-$	0.025 *6*
2903.87&	3006.62		102.7325	(3/2)$^-$	0.076 *8*
2904.3[a]	(5583.93)	1/2$^+$	2679.61		
2909.0&	2909.02		0.0	3/2$^-$	0.026 *8*
2912.5[a]	(5583.93)	1/2$^+$	2671.42		
2914.0&	2986.9		72.9015	(5/2)$^-$	0.025 *6*
2918.0&	2918.0		0.0	3/2$^-$	0.021 *6*
2922.1[a]	(5583.93)	1/2$^+$	2661.8		
2927.3[a]	(5583.93)	1/2$^+$	2656.6		
2930.92&	2972.4		41.4842	(1/2$^-$)	0.121 *10*
2937.5&	3010.4		72.9015	(5/2)$^-$	0.042 *5*
2938.42&	2979.9		41.4842	(1/2$^-$)	0.060 *7*
2946.1[a]	(5583.93)	1/2$^+$	2637.8		
2951.6[a]	(5583.93)	1/2$^+$	2632.3		
2954.6[a]	(5583.93)	1/2$^+$	2629.3		
2965.12&	3006.62		41.4842	(1/2$^-$)	0.026 *7*
2969.2[a]	(5583.93)	1/2$^+$	2614.7		
2972.6[a]	(5583.93)	1/2$^+$	2611.31		
2977.0[a]	(5583.93)	1/2$^+$	2606.9		
2981.1[a]	(5583.93)	1/2$^+$	2602.81		
2986.5[a]	(5583.93)	1/2$^+$	2597.4		
2998.9[a]	(5583.93)	1/2$^+$	2585.0		
3001.7&	3001.7		0.0	3/2$^-$	0.024 *6*
3003.8[a]	(5583.93)	1/2$^+$	2580.11		
3005.9[a]	(5583.93)	1/2$^+$	2578.0		
3006.6&	3006.62		0.0	3/2$^-$	0.070 *8*
3010.4&	3010.4		0.0	3/2$^-$	0.035 *8*
3016.8[a]	(5583.93)	1/2$^+$	2567.11		
3023.5[a]	(5583.93)	1/2$^+$	2560.41		
3025.8[a]	(5583.93)	1/2$^+$	2558.1		
3029.3[a]	(5583.93)	1/2$^+$	2554.6		
3032.6[a]	(5583.93)	1/2$^+$	2551.3		
3035.7[a]	(5583.93)	1/2$^+$	2548.2		
3042.1[a]	(5583.93)	1/2$^+$	2541.81		
3050.2[a]	(5583.93)	1/2$^+$	2533.7		
3053.0[a]	(5583.93)	1/2$^+$	2530.9		
3055.5[a]	(5583.93)	1/2$^+$	2528.41		
3064.7[a]	(5583.93)	1/2$^+$	2519.21		
3069.8[a]	(5583.93)	1/2$^+$	2514.11		
3072.1[a]	(5583.93)	1/2$^+$	2511.81		
3075.6[a]	(5583.93)	1/2$^+$	2508.31		
3077.6[a]	(5583.93)	1/2$^+$	2506.3		
3080.4[a]	(5583.93)	1/2$^+$	2503.5		
3084.2[a]	(5583.93)	1/2$^+$	2499.71		
3088.9[a]	(5583.93)	1/2$^+$	2495.01		
3094.3[a]	(5583.93)	1/2$^+$	2489.61		
3097.2[a]	(5583.93)	1/2$^+$	2486.7		
3099.6[a]	(5583.93)	1/2$^+$	2484.3		
3113.5[a]	(5583.93)	1/2$^+$	2470.4		
3116.2[a]	(5583.93)	1/2$^+$	2467.71		
3122.2[a]	(5583.93)	1/2$^+$	2461.7		
3125.4[a]	(5583.93)	1/2$^+$	2458.5		
3133.8[a]	(5583.93)	1/2$^+$	2450.1		
3136.9[a]	(5583.93)	1/2$^+$	2447.0		
3141.4[a]	(5583.93)	1/2$^+$	2442.5		
3146.2[a]	(5583.93)	1/2$^+$	2437.7		
3151.1[a]	(5583.93)	1/2$^+$	2432.81		
3152.6[a]	(5583.93)	1/2$^+$	2431.3		
3157.1[a]	(5583.93)	1/2$^+$	2426.8		
3162.9[a]	(5583.93)	1/2$^+$	2421.0		
3169.9[a]	(5583.93)	1/2$^+$	2414.0		
3176.9[a]	(5583.93)	1/2$^+$	2407.01		
3187.6[a]	(5583.93)	1/2$^+$	2396.3		

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^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

γ(^{193}Os) (continued)

E_γ †	I_γ ‡	E_i(level)	J_i^π	E_f	E_γ †	I_γ ‡	E_i(level)	J_i^π	E_f
3194.8[a]		(5583.93)	1/2+	2389.11	3459.8[a]		(5583.93)	1/2+	2124.1
3202.9[a]		(5583.93)	1/2+	2381.01	3468.0[a]		(5583.93)	1/2+	2115.9
3210.8[a]		(5583.93)	1/2+	2373.1	3472.2[a]		(5583.93)	1/2+	2111.7
3215.9[a]		(5583.93)	1/2+	2368.01	3475.8[a]		(5583.93)	1/2+	2108.1
3219.7[a]		(5583.93)	1/2+	2364.2	3480.5[a]		(5583.93)	1/2+	2103.4
3223.0[a]		(5583.93)	1/2+	2360.9	3485.5#b	6.1#	(5583.93)	1/2+	2098.05
3233.5[a]		(5583.93)	1/2+	2350.4	3491.0[a]		(5583.93)	1/2+	2092.90
3235.9[a]		(5583.93)	1/2+	2348.01	3493.6#	5.7#	(5583.93)	1/2+	2090.3
3241.0[a]		(5583.93)	1/2+	2342.9	3502.8[a]		(5583.93)	1/2+	2081.11
3243.8[a]		(5583.93)	1/2+	2340.1	3505.6[a]		(5583.93)	1/2+	2078.31
3251.3[a]		(5583.93)	1/2+	2332.6	3506.6#	12.1#	(5583.93)	1/2+	2077.3
3257.8[a]		(5583.93)	1/2+	2326.11	3516.3[a]		(5583.93)	1/2+	2067.60
3263.4[a]		(5583.93)	1/2+	2320.51	3519.7#b	11.1#	(5583.93)	1/2+	2064.12
3268.0[a]		(5583.93)	1/2+	2315.91	3524.2[a]		(5583.93)	1/2+	2059.7
3273.9[a]		(5583.93)	1/2+	2310.0	3530.4[a]		(5583.93)	1/2+	2053.5
3286.6[a]		(5583.93)	1/2+	2297.3	3533.1[a]		(5583.93)	1/2+	2050.8
3289.6[a]		(5583.93)	1/2+	2294.3	3535.3#b	7.4#	(5583.93)	1/2+	2048.21
3293.4[a]		(5583.93)	1/2+	2290.5	3544.0[a]		(5583.93)	1/2+	2039.9
3298.5[a]		(5583.93)	1/2+	2285.4	3546.5[a]		(5583.93)	1/2+	2037.41
3305.2[a]		(5583.93)	1/2+	2278.7	3559.6[a]		(5583.93)	1/2+	2024.3
3325.5[a]		(5583.93)	1/2+	2258.4	3563.1[a]		(5583.93)	1/2+	2020.8
3328.0[a]		(5583.93)	1/2+	2255.9	3570.3[a]		(5583.93)	1/2+	2013.60
3333.0[a]		(5583.93)	1/2+	2250.9	3581.8[a]		(5583.93)	1/2+	2002.11
3334.7[a]		(5583.93)	1/2+	2249.2	3594.1[a]		(5583.93)	1/2+	1989.8
3334.8[a]		(5583.93)	1/2+	2249.11	3600.5[a]		(5583.93)	1/2+	1983.41
3337.6[a]		(5583.93)	1/2+	2246.3	3606.5[a]		(5583.93)	1/2+	1977.40
3340.9#b	24#	(5583.93)	1/2+	2243.0	3629.1[a]		(5583.93)	1/2+	1954.81
3344.0[a]		(5583.93)	1/2+	2239.9	3634.9[a]		(5583.93)	1/2+	1949.0
3349.3[a]		(5583.93)	1/2+	2234.6	3645.3[a]		(5583.93)	1/2+	1938.6
3353.3[a]		(5583.93)	1/2+	2230.6	3648.8[a]		(5583.93)	1/2+	1935.1
3358.8[a]		(5583.93)	1/2+	2225.1	3651.8[a]		(5583.93)	1/2+	1932.1
3361.9[a]		(5583.93)	1/2+	2222.0	3662.7[a]		(5583.93)	1/2+	1921.2
3363.5#	10.1#	(5583.93)	1/2+	2220.4	3668.8#b	14.5#	(5583.93)	1/2+	1915.28
3365.3[a]		(5583.93)	1/2+	2218.61	3675.3[a]		(5583.93)	1/2+	1908.6
3378.8[a]		(5583.93)	1/2+	2205.1	3691.3[a]		(5583.93)	1/2+	1892.61
3388.9[a]		(5583.93)	1/2+	2195.00	3695.0[a]		(5583.93)	1/2+	1888.90
3391.5[a]		(5583.93)	1/2+	2192.4	3709.3[a]		(5583.93)	1/2+	1874.6
3393.6#	11.4#	(5583.93)	1/2+	2190.3	3721.2[a]		(5583.93)	1/2+	1862.7
3398.5[a]		(5583.93)	1/2+	2185.41	3730.3[a]		(5583.93)	1/2+	1853.6
3402.6[a]		(5583.93)	1/2+	2181.3	3735.3#	5.4#	(5583.93)	1/2+	1848.6
3405.8[a]		(5583.93)	1/2+	2178.1	3736.8[a]		(5583.93)	1/2+	1847.11
3415.2[a]		(5583.93)	1/2+	2168.71	3745.0#b	13.5#	(5583.93)	1/2+	1838.40
3420.2[a]		(5583.93)	1/2+	2163.7	3753.3#b	3.7#	(5583.93)	1/2+	1830.6
3426.8[a]		(5583.93)	1/2+	2157.1	3757.2[a]		(5583.93)	1/2+	1826.7
3430.1[a]		(5583.93)	1/2+	2153.8	3778.8[a]		(5583.93)	1/2+	1805.1
3433.3[a]		(5583.93)	1/2+	2150.6	3781.9[a]		(5583.93)	1/2+	1802.0
3449.7[a]		(5583.93)	1/2+	2134.2	3785.0[a]		(5583.93)	1/2+	1798.9
3450.9[a]		(5583.93)	1/2+	2133.00	3788.1[a]		(5583.93)	1/2+	1795.8
3452.3#	7.4#	(5583.93)	1/2+	2131.6	3798.7#	8.1#	(5583.93)	1/2+	1785.2
3457.5[a]		(5583.93)	1/2+	2126.4	3800.1[a]		(5583.93)	1/2+	1783.81

Continued on next page (footnotes at end of table)

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

$\gamma(^{193}Os)$ (continued)

E_γ †	I_γ ‡	E_i(level)	J_i^π	E_f	J_f^π	Comments
3818.6#b	8.4#	(5583.93)	1/2+	1765.13		
3823.5a		(5583.93)	1/2+	1760.4		
3829.7a		(5583.93)	1/2+	1754.2		
3839.0a		(5583.93)	1/2+	1744.9		
3846.3a		(5583.93)	1/2+	1737.6		
3852.3a		(5583.93)	1/2+	1731.6		
3861.4a		(5583.93)	1/2+	1722.5		
3900.8#b	16.8#	(5583.93)	1/2+	1683.28		
3903.6a		(5583.93)	1/2+	1680.3		
3923.6a		(5583.93)	1/2+	1660.3		
3980.6#b	24#	(5583.93)	1/2+	1603.21		
3992.8#b	3.4#	(5583.93)	1/2+	1590.93	1/2−,3/2−	
4028.1ab		(5583.93)	1/2+	1555.8		
4053.4#b	8.8#	(5583.93)	1/2+	1530.34		
4059.7#b	7.7#	(5583.93)	1/2+	1523.64		
4069.0#b	7.7#	(5583.93)	1/2+	1515.52	1/2−,3/2−	
4079.8		(5583.93)	1/2+	1504.10		
4082.1#	5.7#	(5583.93)	1/2+	1501.8		
4086.5a		(5583.93)	1/2+	1497.4		
4137.4a		(5583.93)	1/2+	1446.5		
4149.9a		(5583.93)	1/2+	1434.0		
4165.9a		(5583.93)	1/2+	1418.00		
4183.9a		(5583.93)	1/2+	1400.00		
4185.7a		(5583.93)	1/2+	1398.2		
4198.2#b	11.4#	(5583.93)	1/2+	1385.96	1/2(−),3/2(−)	
4200.3a		(5583.93)	1/2+	1383.6		
4225.1#b	13.8#	(5583.93)	1/2+	1359.52		
4250.1#b	8.1#	(5583.93)	1/2+	1333.53		
4295.5#b	13.5#	(5583.93)	1/2+	1288.468	1/2−,3/2−	
4301.5#b	7.1#	(5583.93)	1/2+	1281.480	1/2−,3/2−	
4316.6a		(5583.93)	1/2+	1267.3		
4339.3a		(5583.93)	1/2+	1244.6		
4358.2a		(5583.93)	1/2+	1225.7		
4366.7#b	18.2#	(5583.93)	1/2+	1216.927	1/2(−),3/2(−)	
4378.7a		(5583.93)	1/2+	1205.2		
4398.5a		(5583.93)	1/2+	1185.4		
4405.7#b	20#	(5583.93)	1/2+	1178.654	1/2−,3/2−	
4413.5#b	23#	(5583.93)	1/2+	1170.860	(1/2+,3/2+)	
4499.4a		(5583.93)	1/2+	1085.385	(1/2−,3/2−)	
4530.7#b	78#	(5583.93)	1/2+	1053.856	1/2−,3/2−	
4617.0a		(5583.93)	1/2+	966.9		
4694.9#b	25#	(5583.93)	1/2+	889.462		
4795.4a		(5583.93)	1/2+	788.5		
4908.7a		(5583.93)	1/2+	675.2		
4996.3a		(5583.93)	1/2+	587.6		
5010.7a		(5583.93)	1/2+	573.2		
5033.0a		(5583.93)	1/2+	550.9		
5276.0#	116#	(5583.93)	1/2+	307.0837	1/2−,3/2−	E_γ: Other: 5277.0 (2002Ba66).

Continued on next page (footnotes at end of table)

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66 (continued)

$\gamma(^{193}Os)$ (continued)

E_γ [†]	I_γ [‡]	E_i(level)	J_i^π	E_f	J_f^π
5348.3[#]	3.7[#]	(5583.93)	$1/2^+$	233.8558	$1/2^-$,$3/2^-$
5481.0[#]	5.1[#]	(5583.93)	$1/2^+$	102.7325	$(3/2)^-$
5542.0[#]	6.1[#]	(5583.93)	$1/2^+$	41.4842	$(1/2^-)$
5583.3[#]	79[#]	(5583.93)	$1/2^+$	0.0	$3/2^-$

[†] From 1979Wa04, unless otherwise noted; uncertainties do not include absolute calibration errors. Calibration (secondary γ's): E(Os Kα_2 x ray)=61.488.
[‡] From 1979Wa04, unless otherwise noted. Units are arbitrary, relative to Iγ=100 for 265.6γ. 1978Be22 report 263 mb for the partial cross section of 265.6γ and total cross section≥1.9 b (from summation of Iγ (high energy)). Uncertainties are statistical only, and do not include estimated systematic errors of<15%.
[#] From 1978Be22.
[@] From 2002Ba66. γ-ray intensity from $\gamma\gamma$ coincidence measurement and reported value for 100 neutron capture (per 100 decay).
[&] From 2002Ba66.
[a] Primary transition from 2002Ba66.
[b] Also reported in 2002Ba66.
[c] Multiply placed with undivided intensity.
[x] γ ray not placed in level scheme.

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme

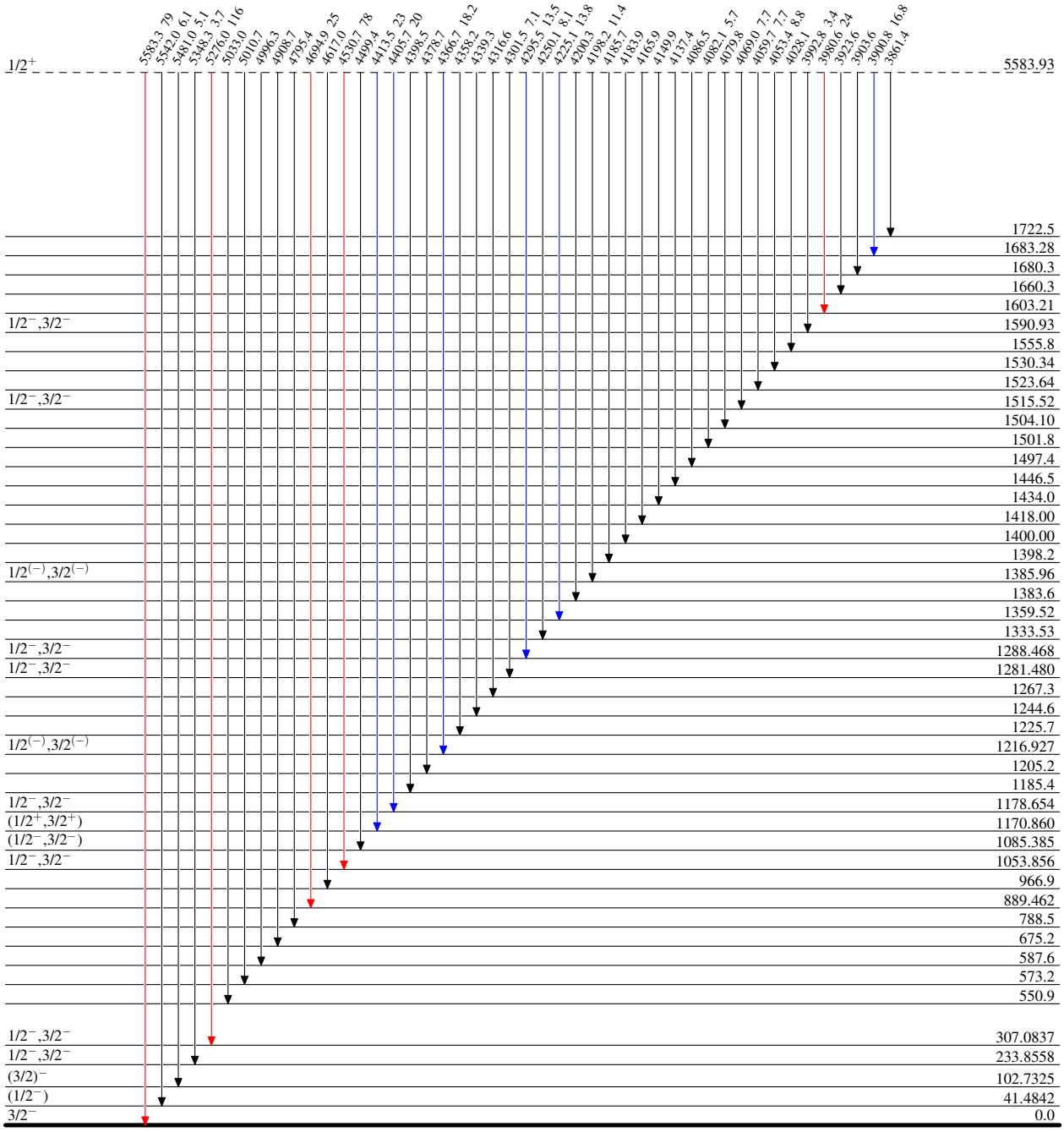
Intensities: Relative I_γ

Legend

$I_\gamma < 2\% \times I_\gamma^{max}$

$I_\gamma < 10\% \times I_\gamma^{max}$

$I_\gamma > 10\% \times I_\gamma^{max}$



$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

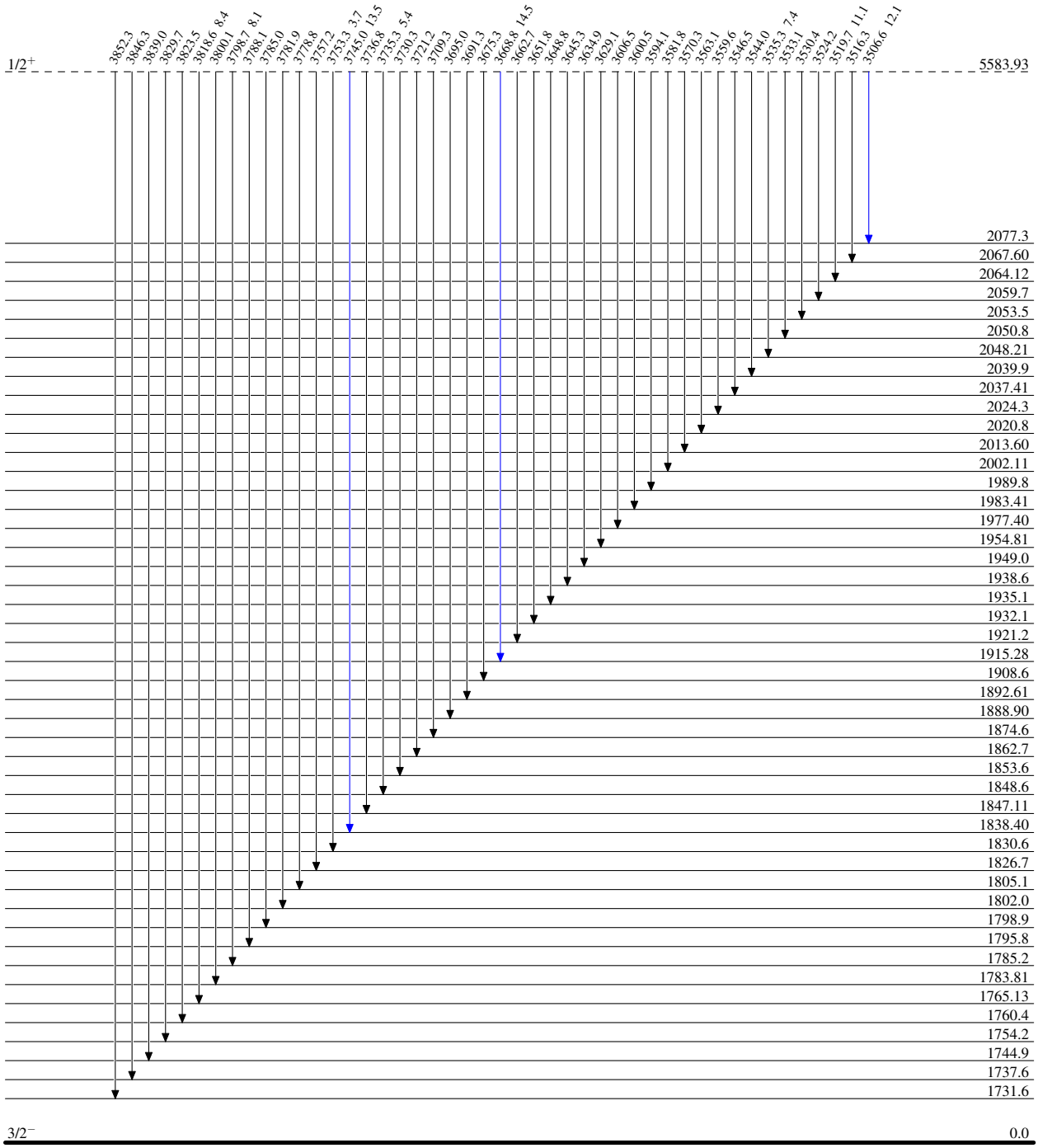
Intensities: Relative I_γ

Legend

$I_\gamma < 2\% \times I_\gamma^{max}$

$I_\gamma < 10\% \times I_\gamma^{max}$

$I_\gamma > 10\% \times I_\gamma^{max}$



$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

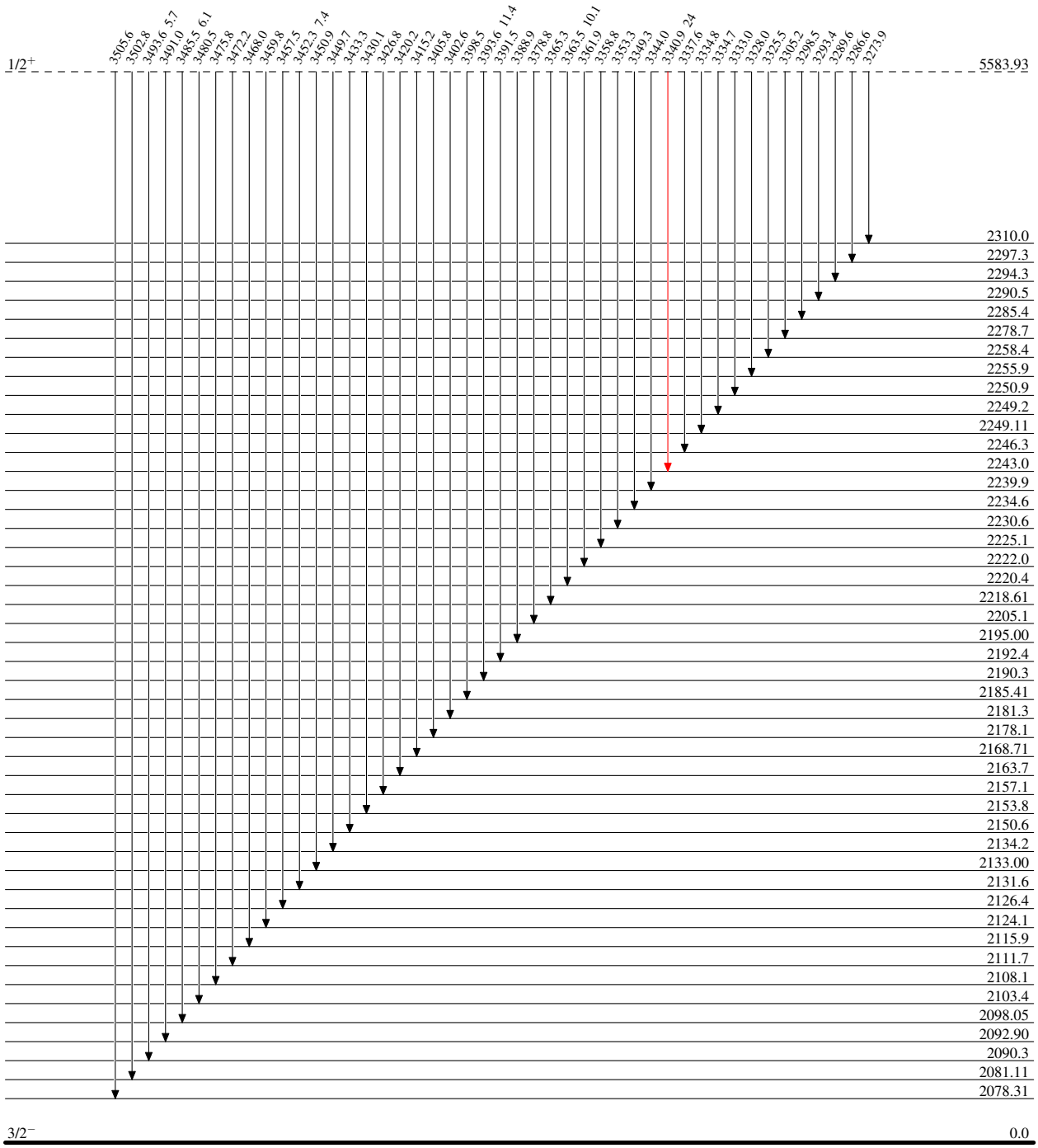
Intensities: Relative I_γ

Legend

$I_\gamma < 2\% \times I_\gamma^{max}$

$I_\gamma < 10\% \times I_\gamma^{max}$

$I_\gamma > 10\% \times I_\gamma^{max}$

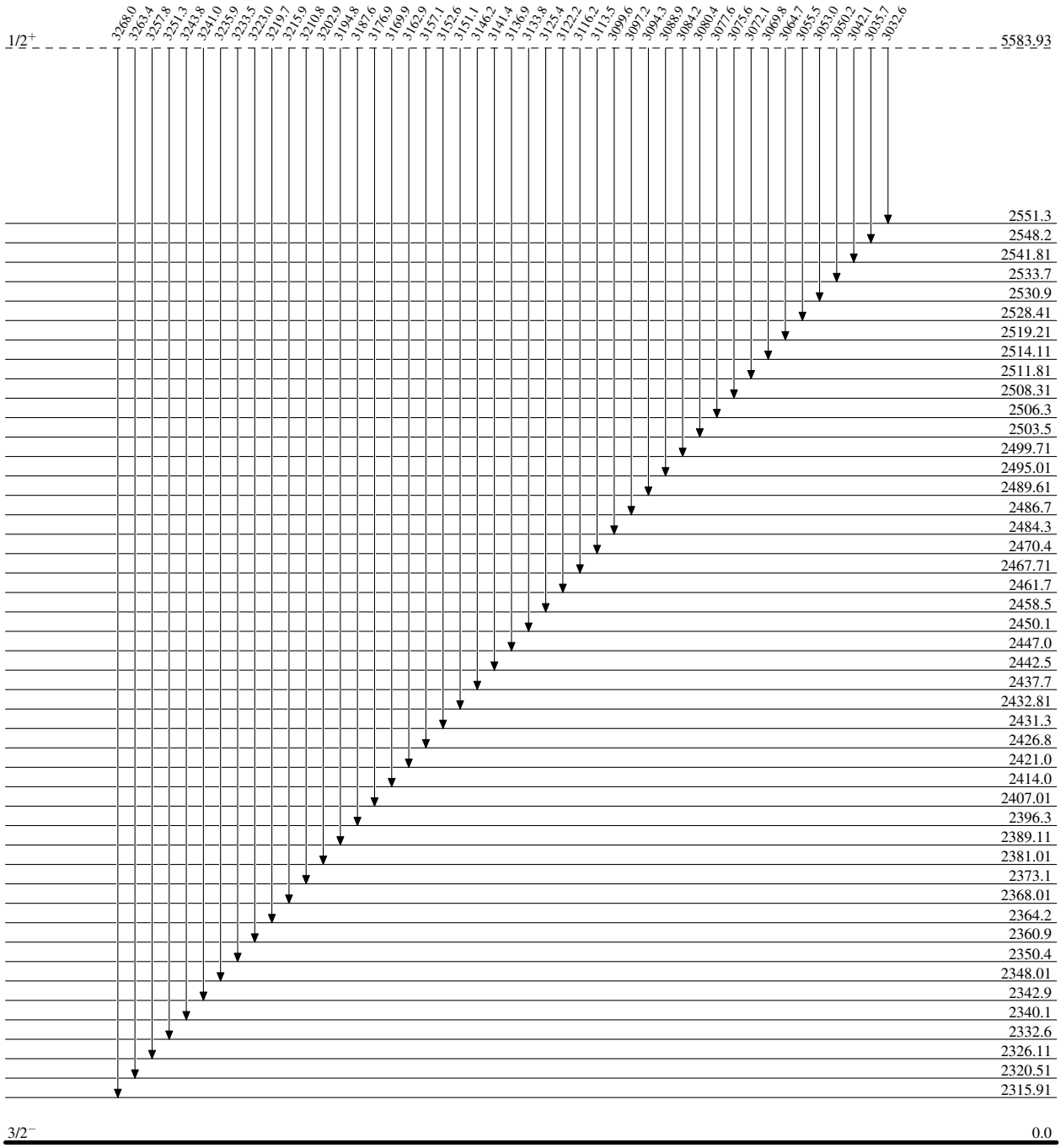


$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ

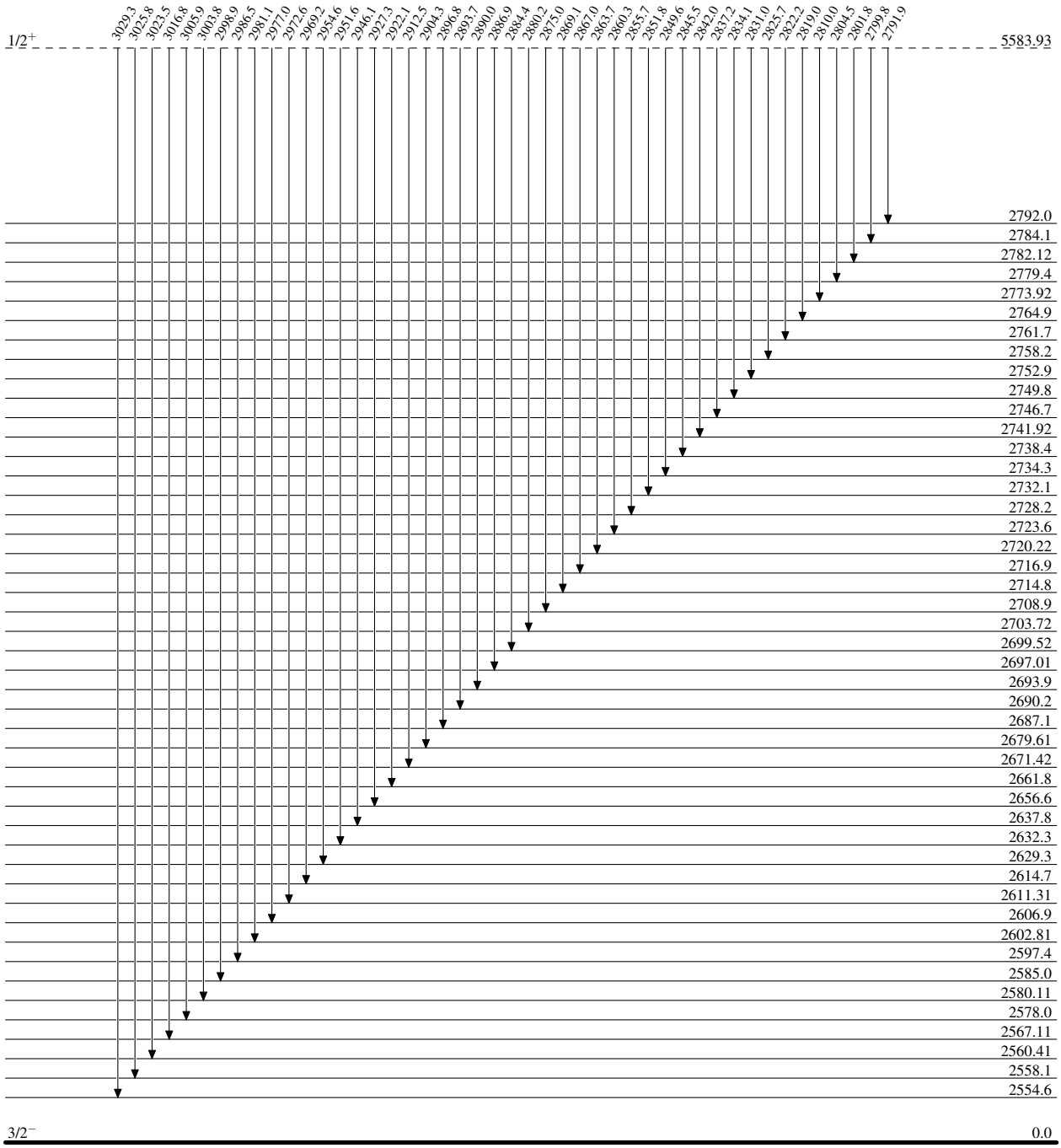


$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ

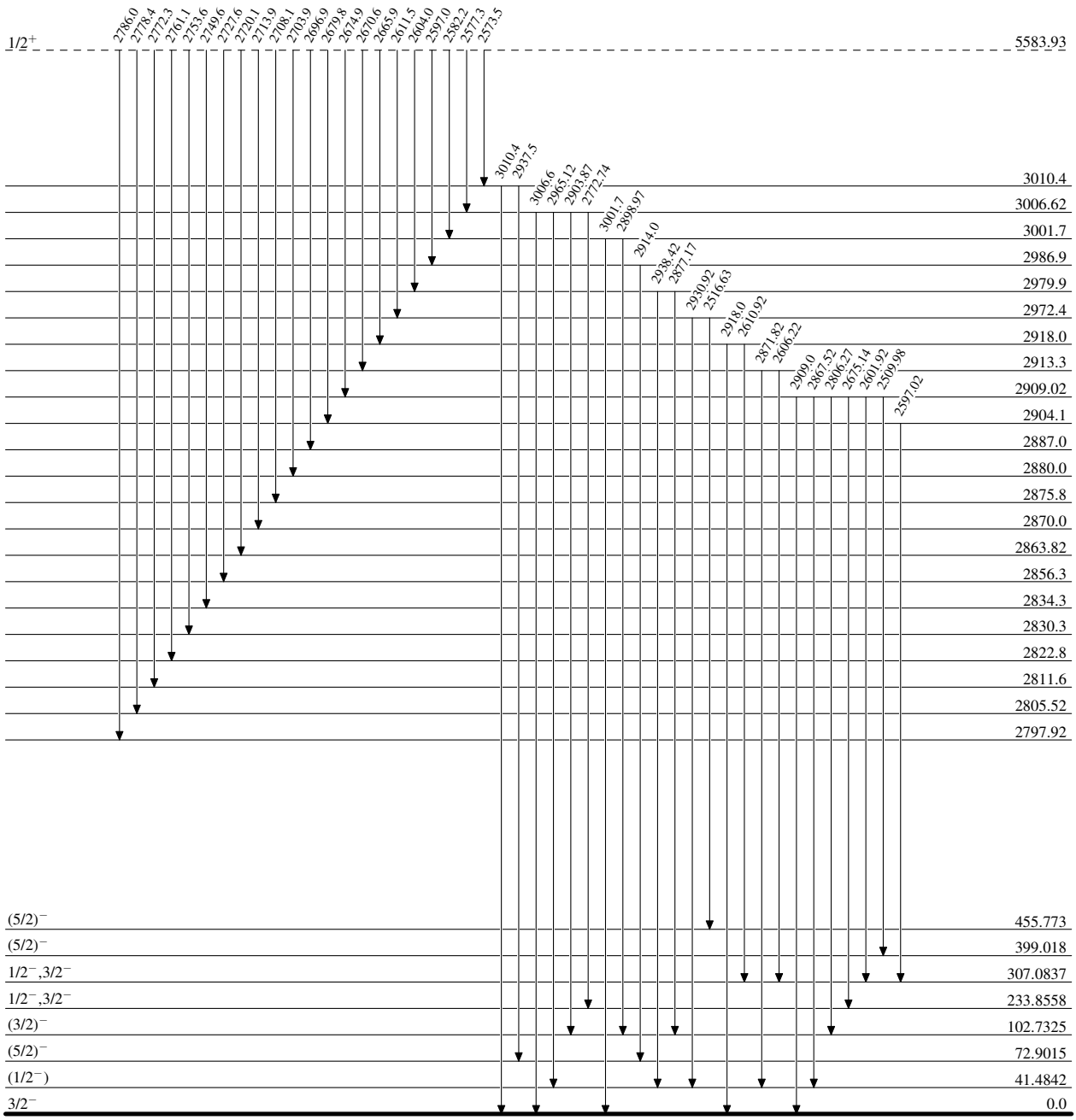


$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ

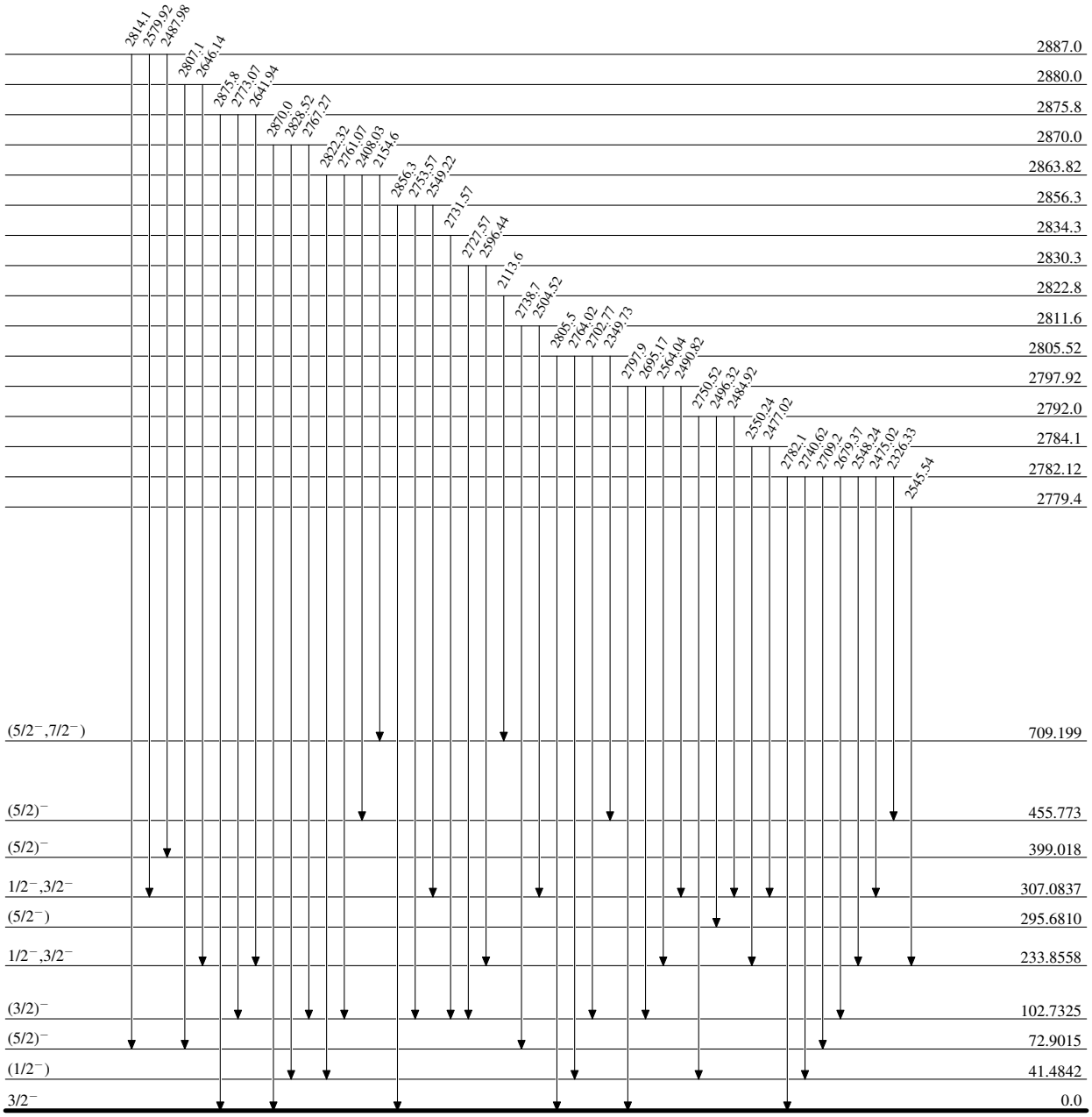


$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ

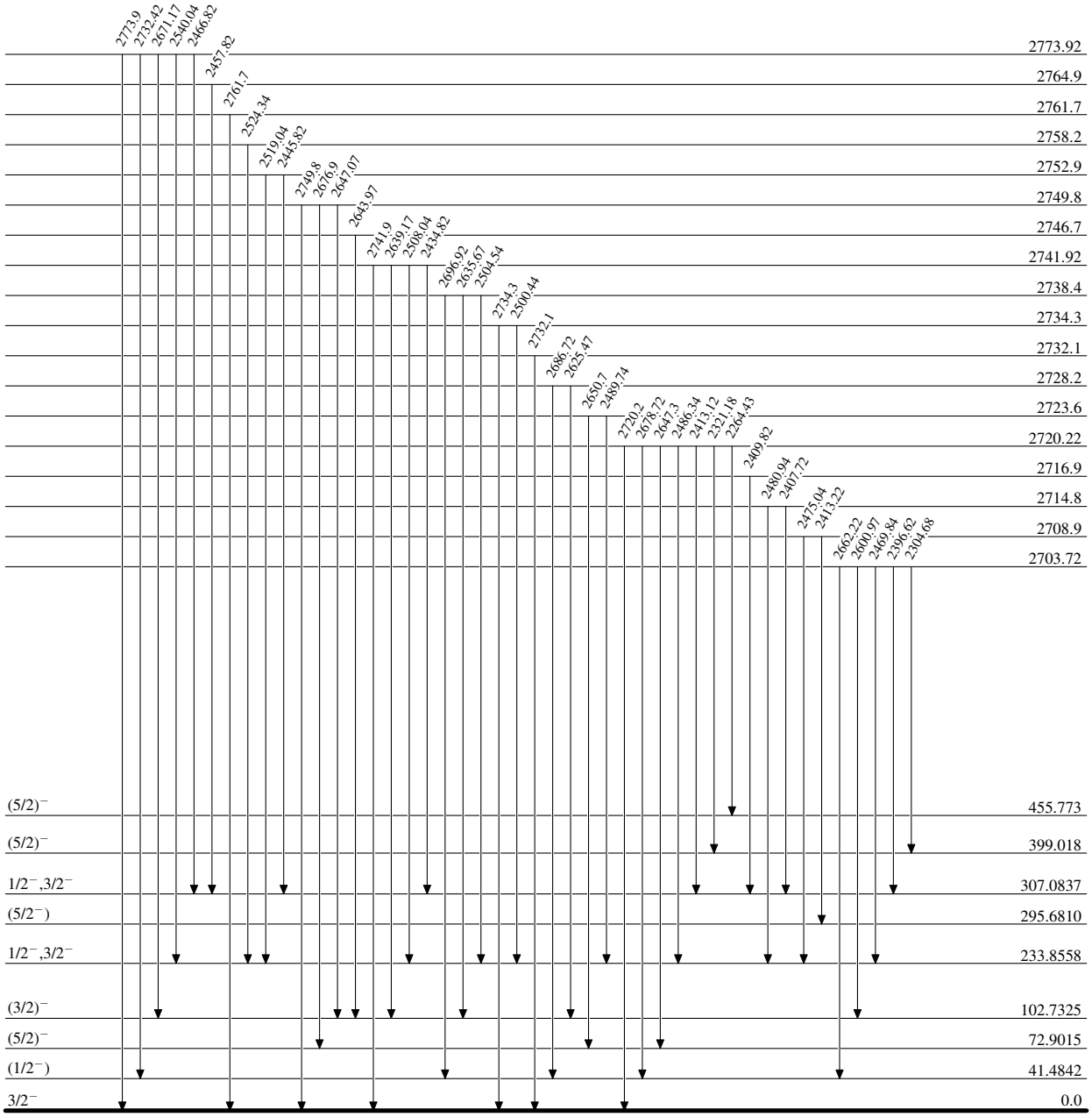


$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ

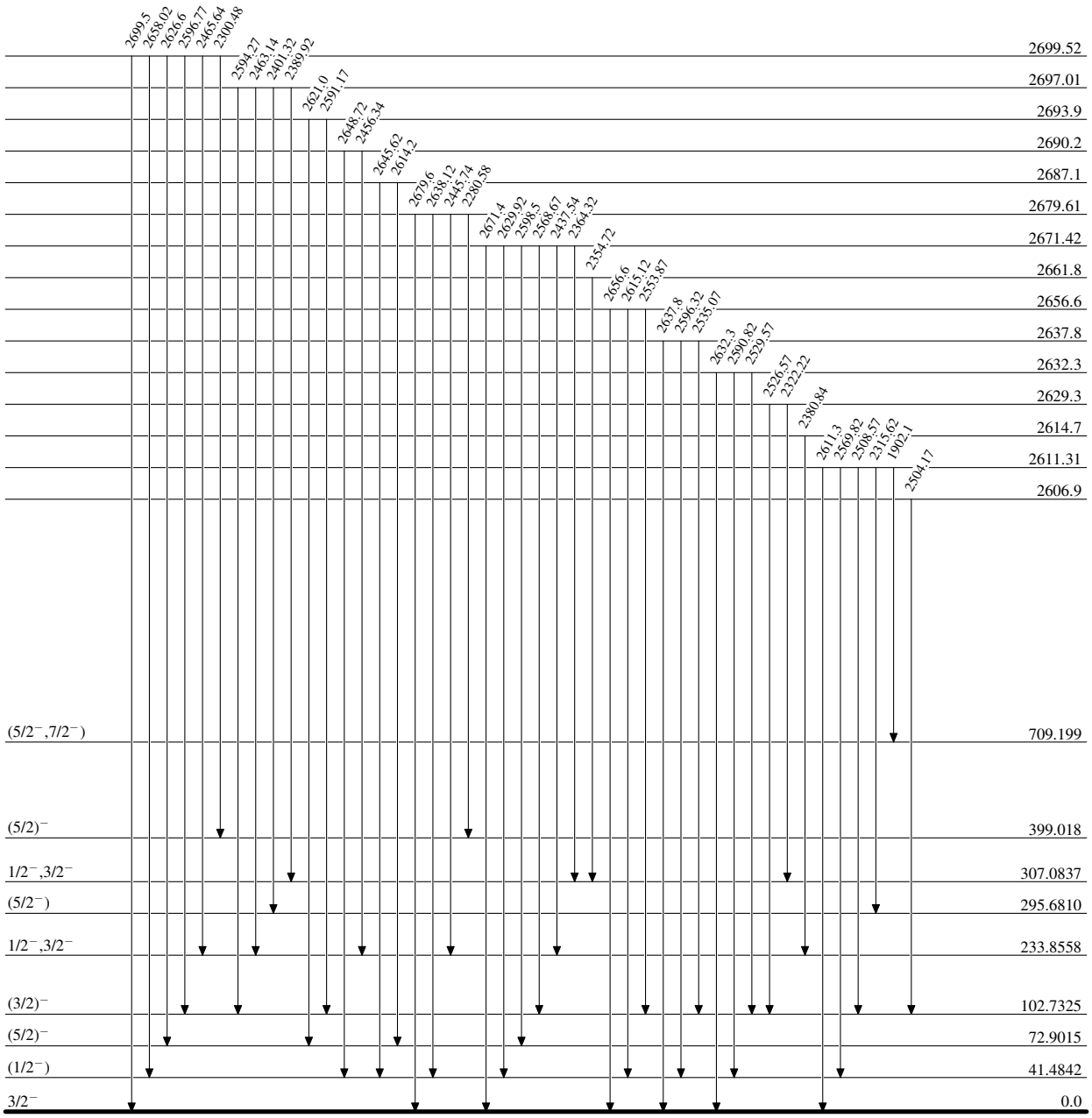


$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ

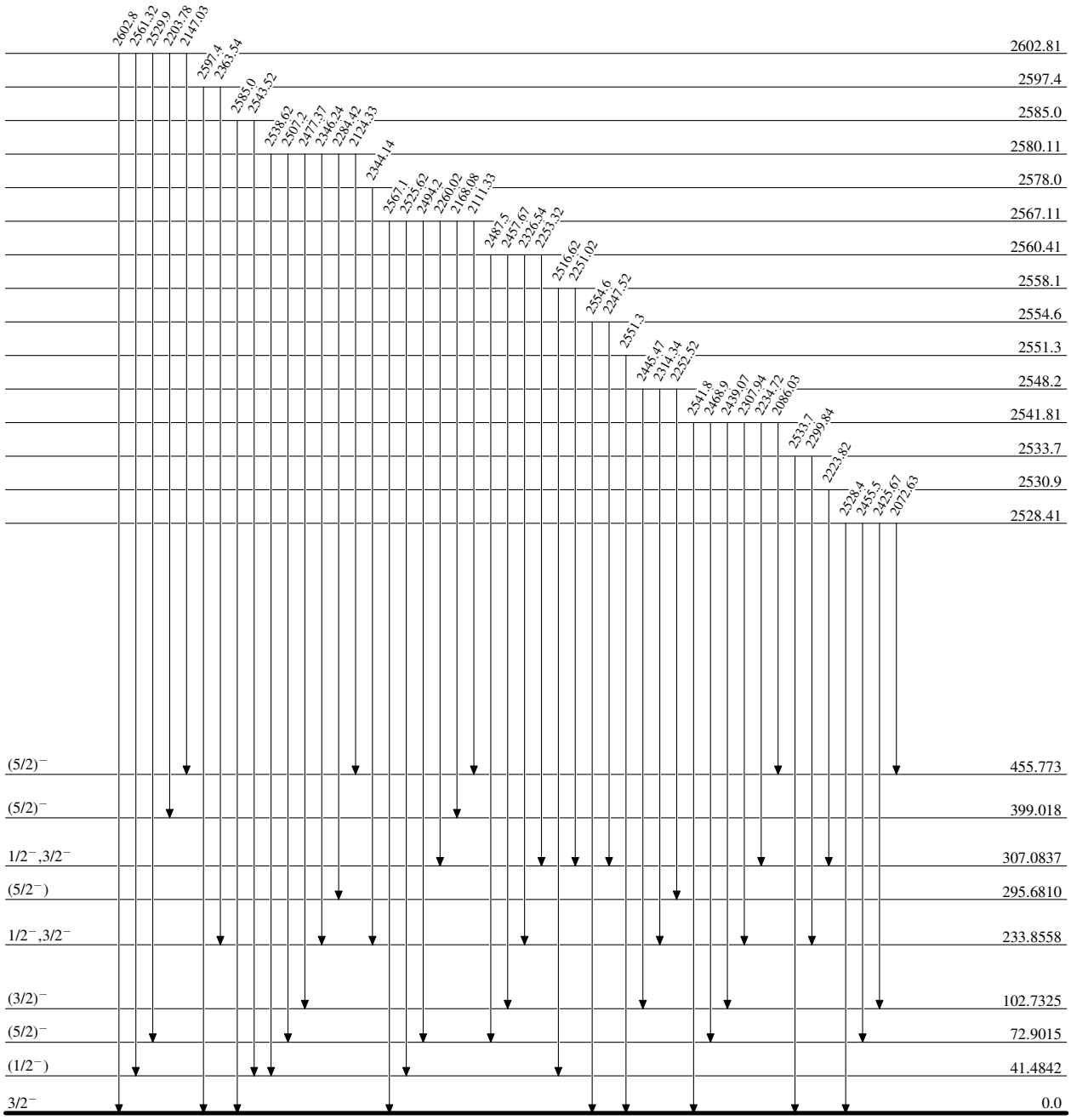


$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ

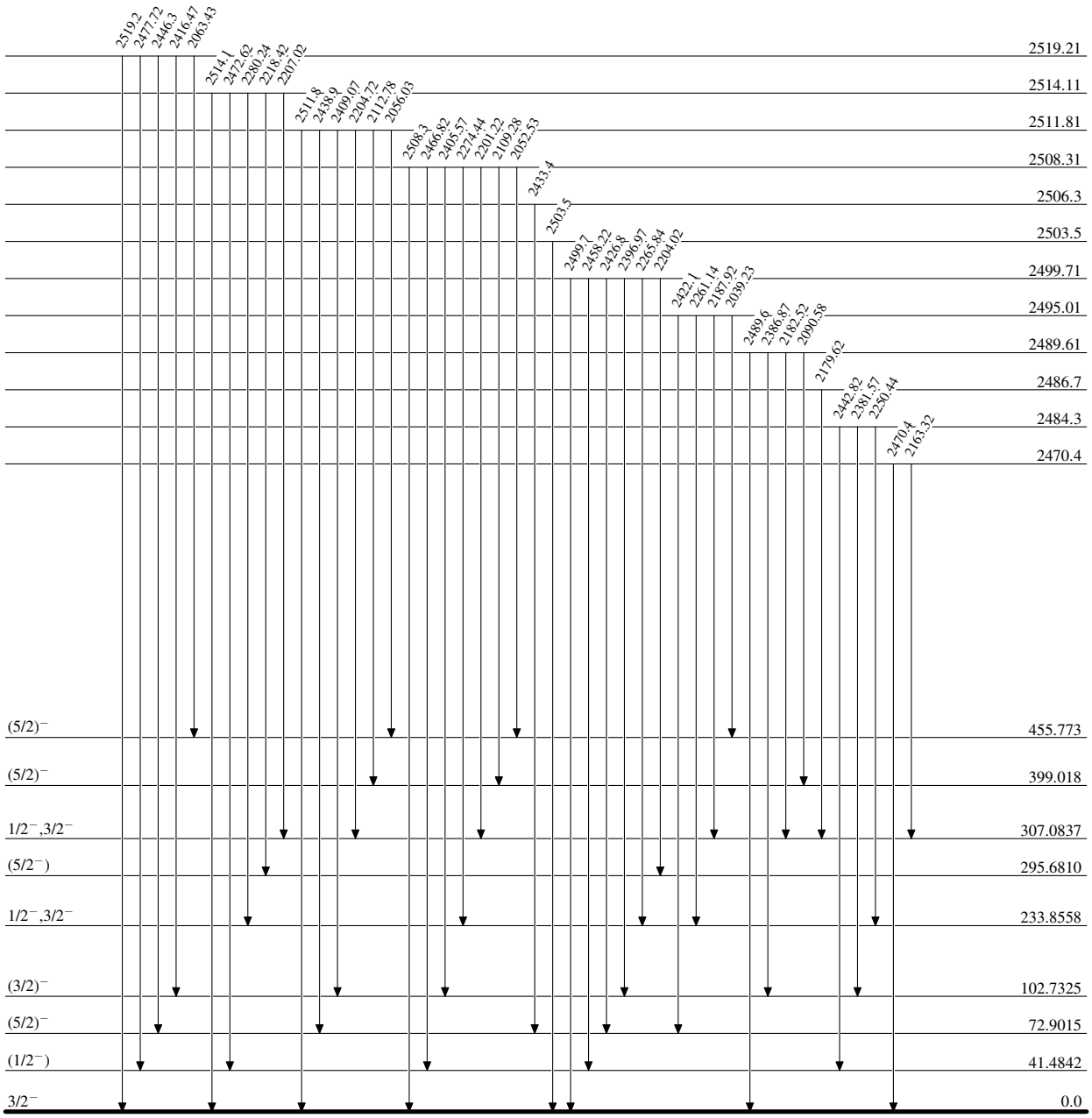


$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ

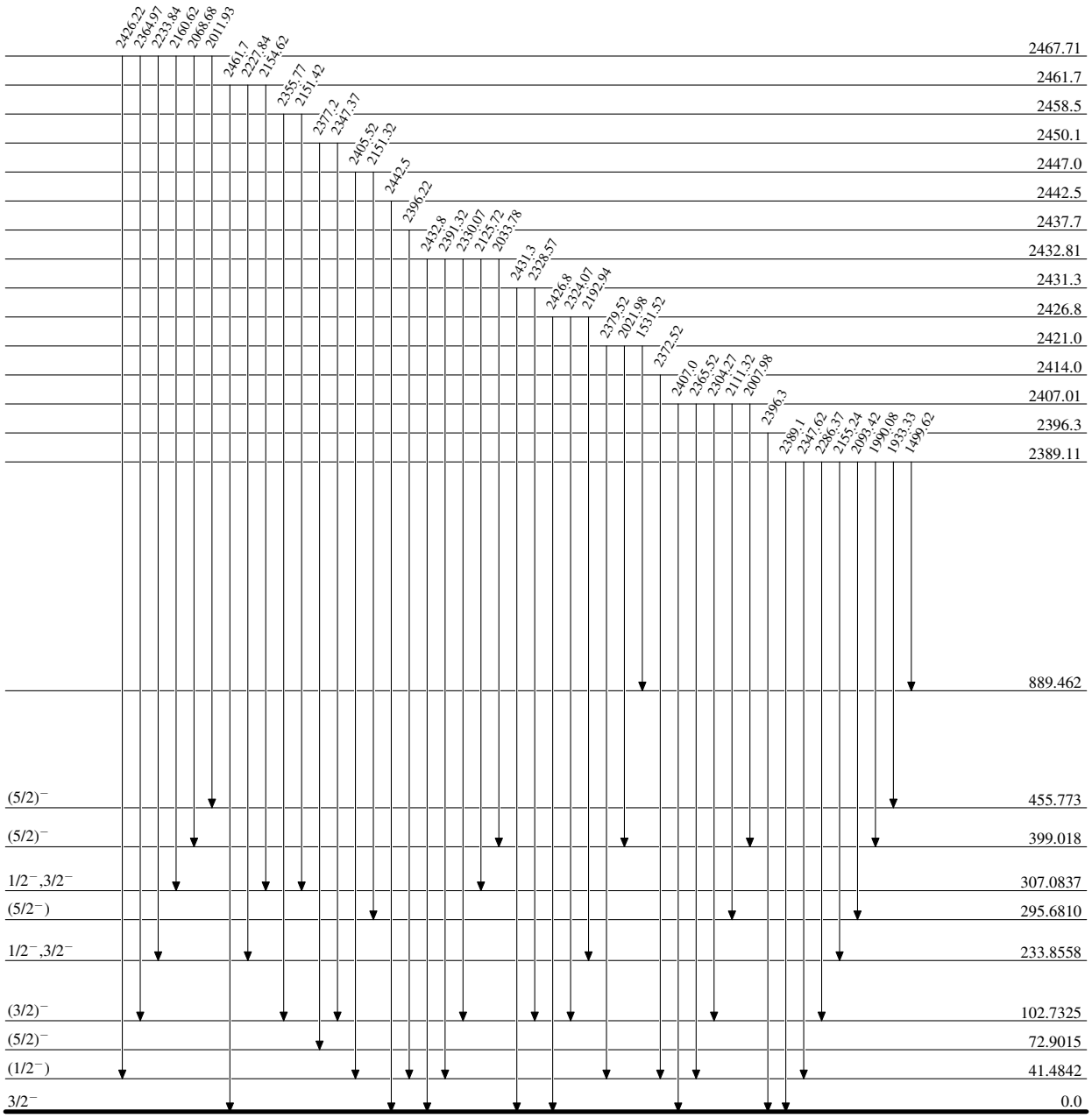


$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ

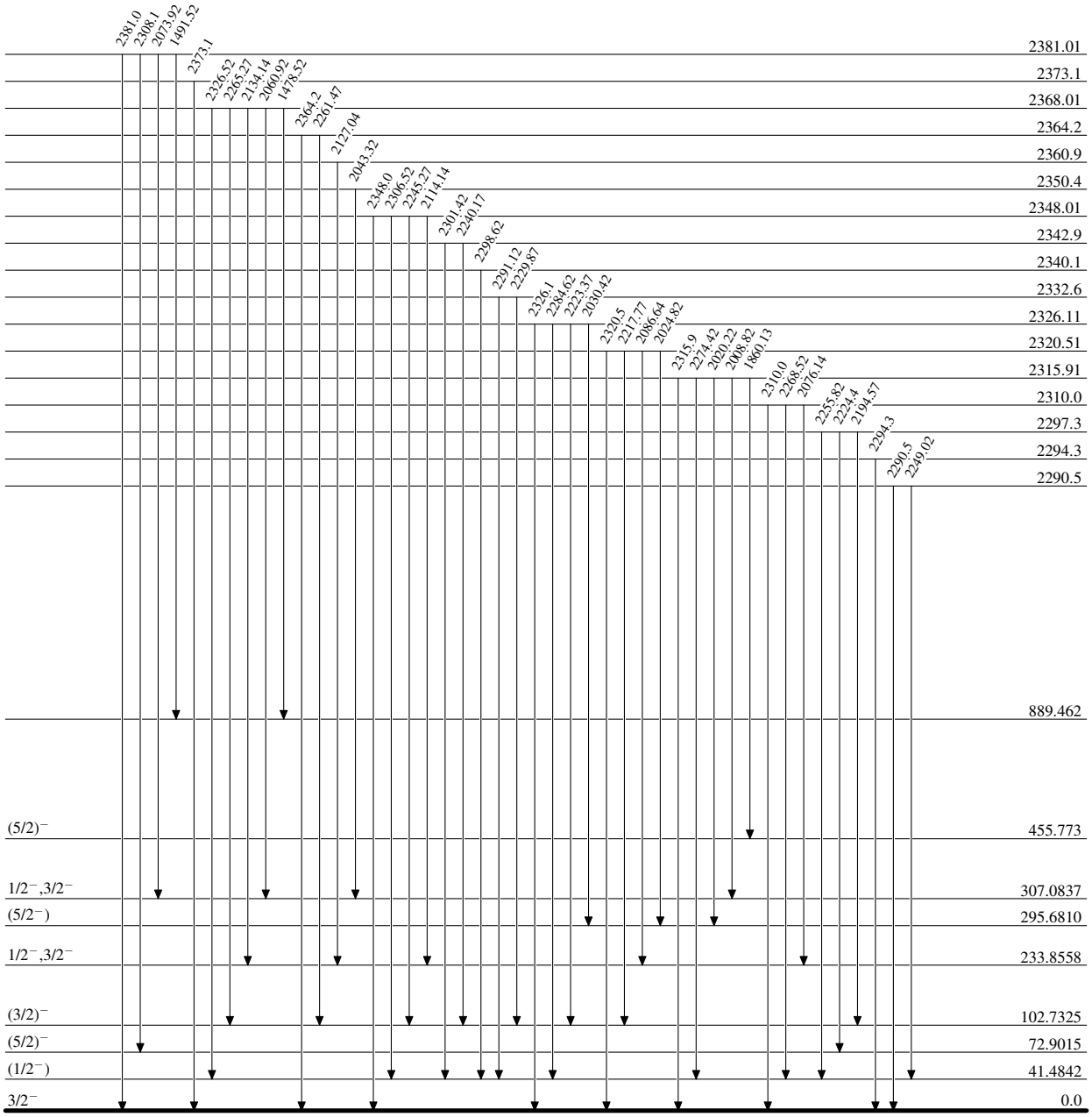


$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ

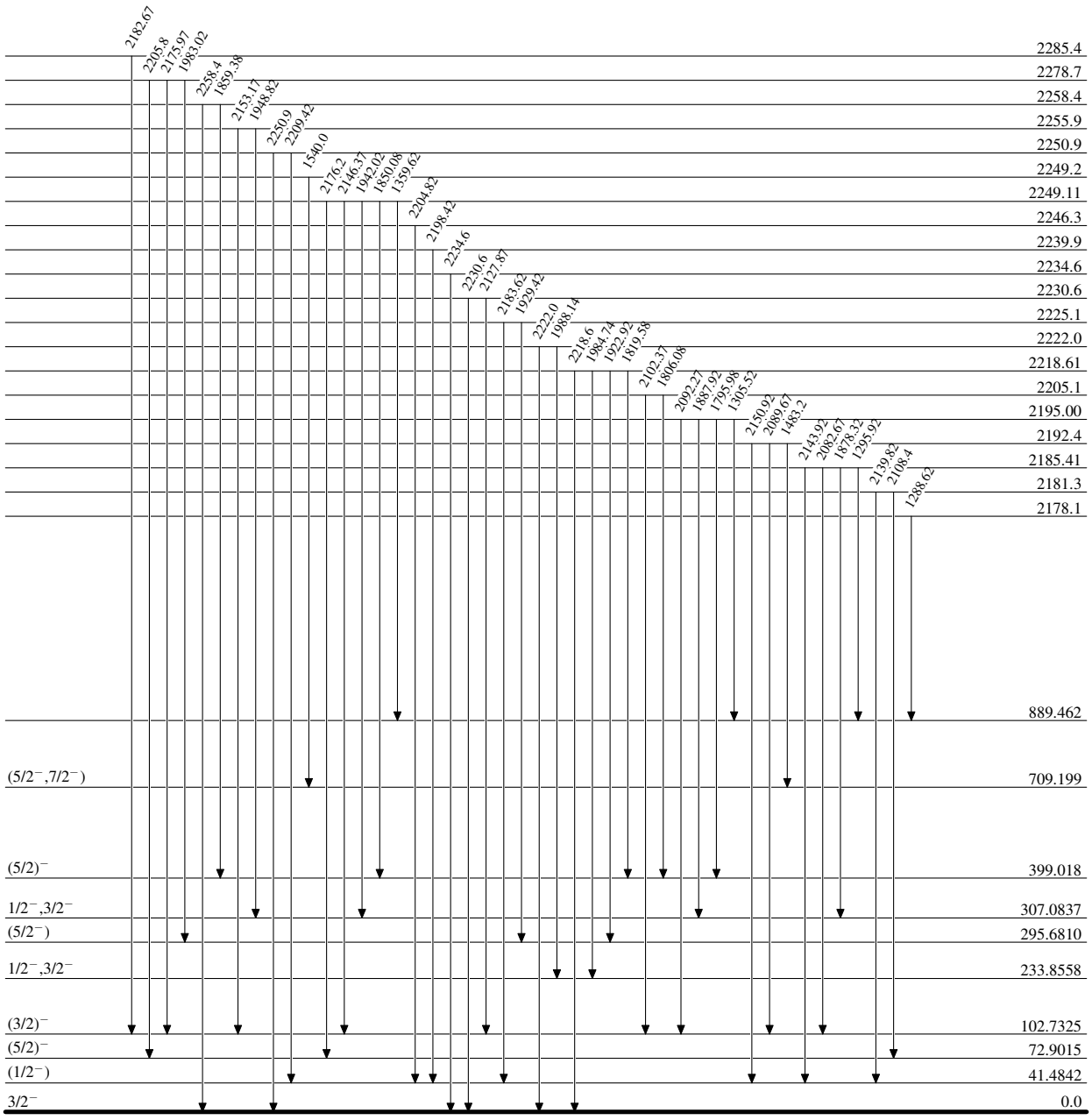


$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ

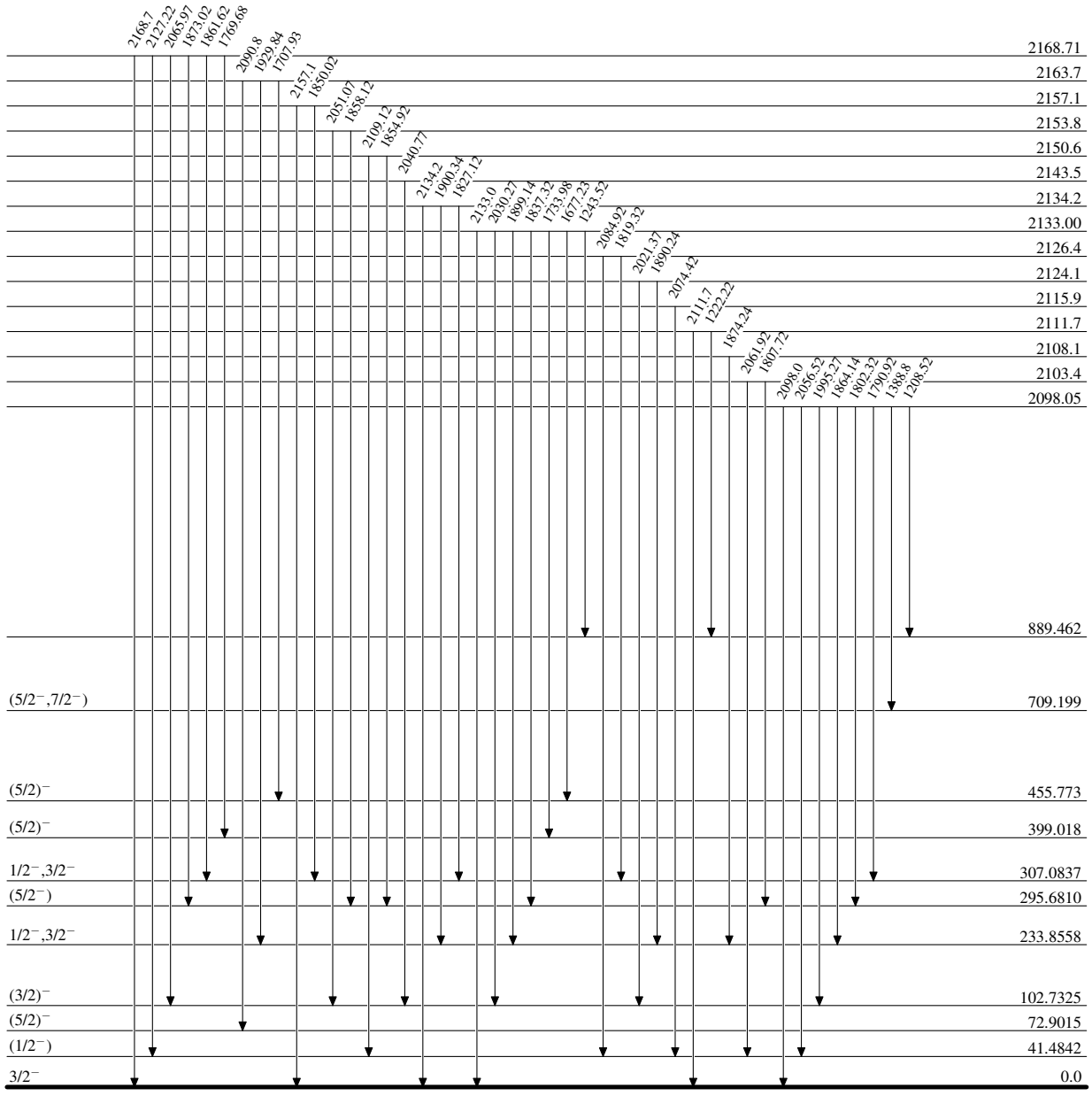


$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ

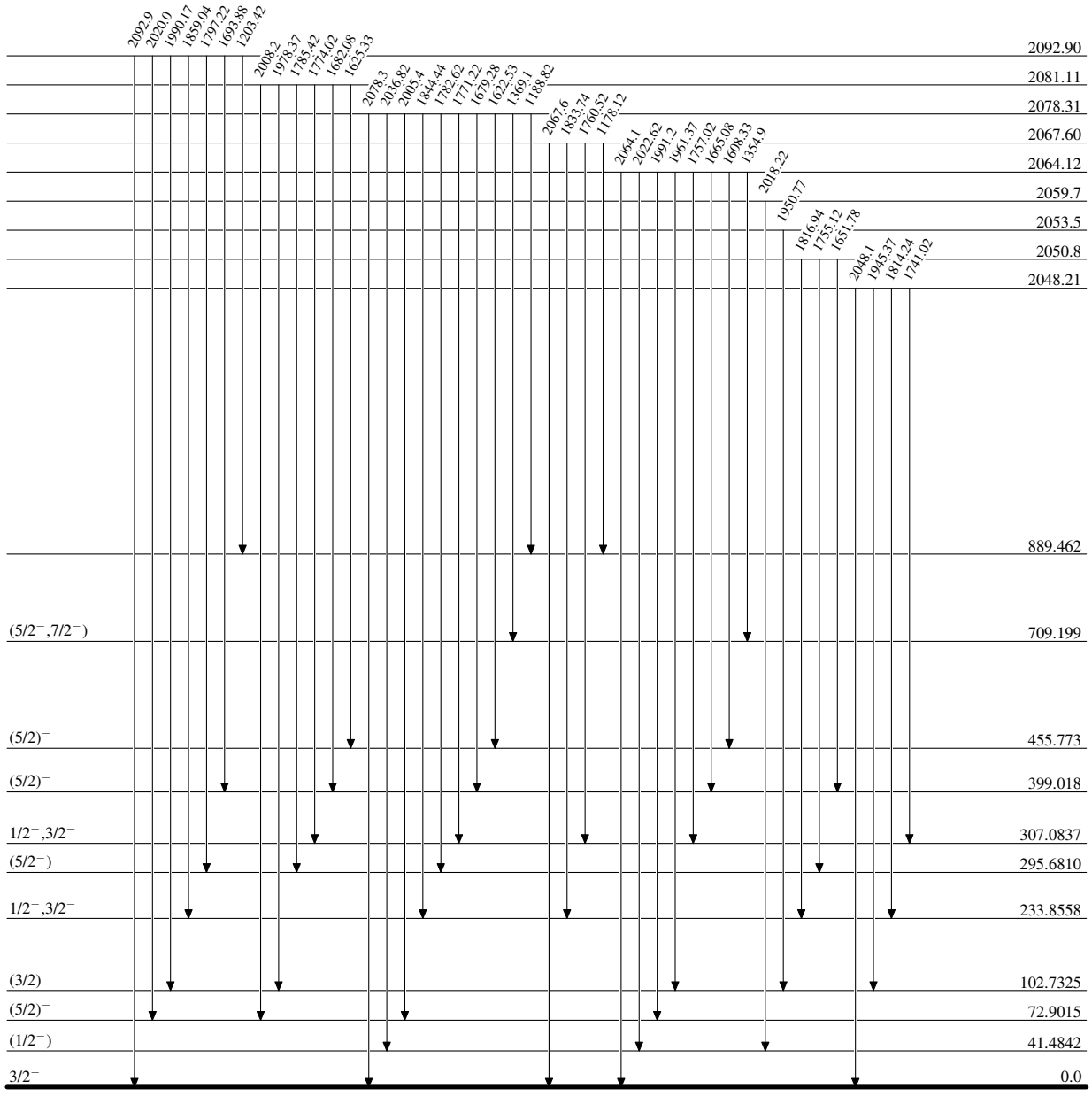


$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ

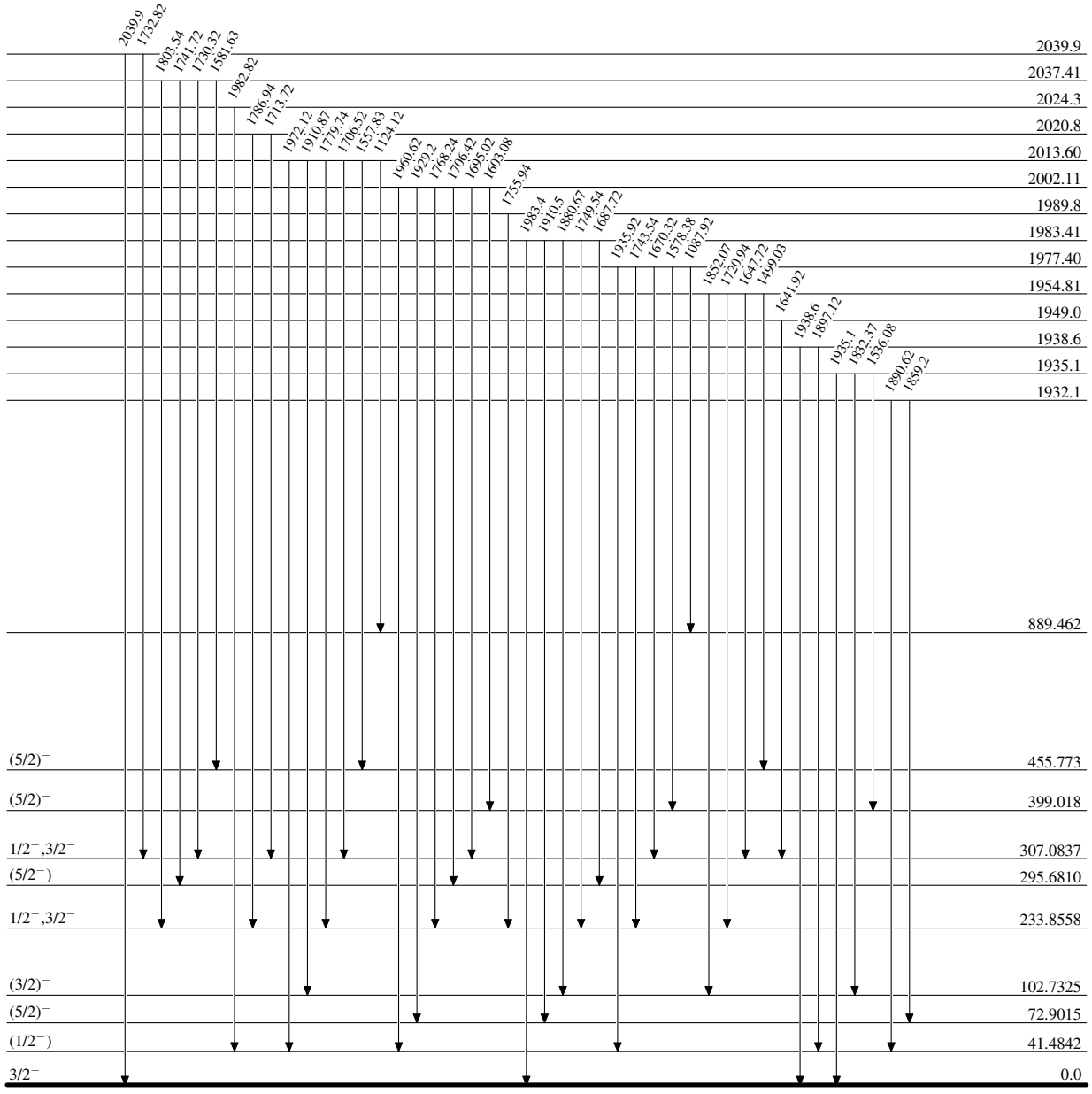


$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

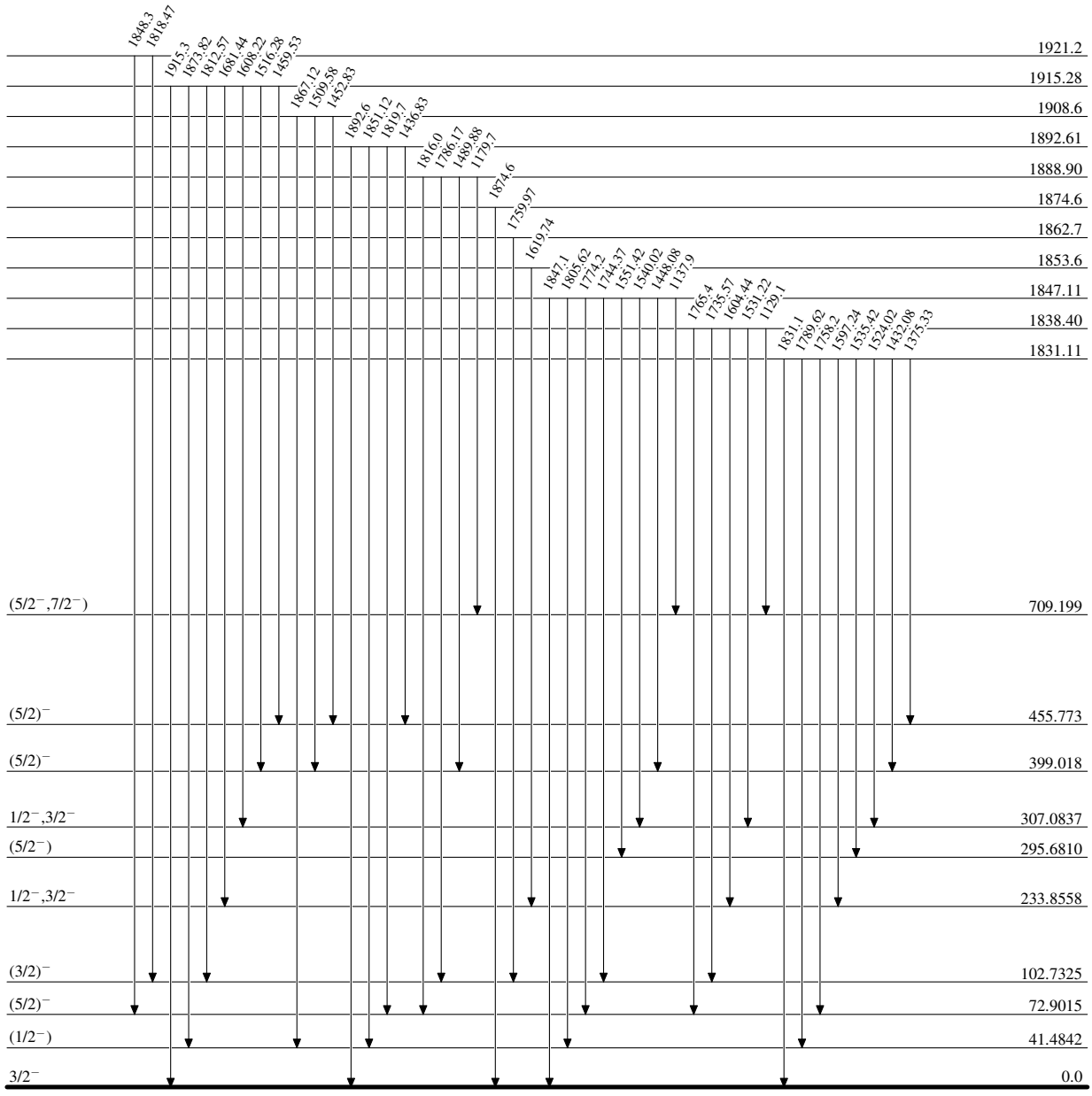
Intensities: Relative I_γ



^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ

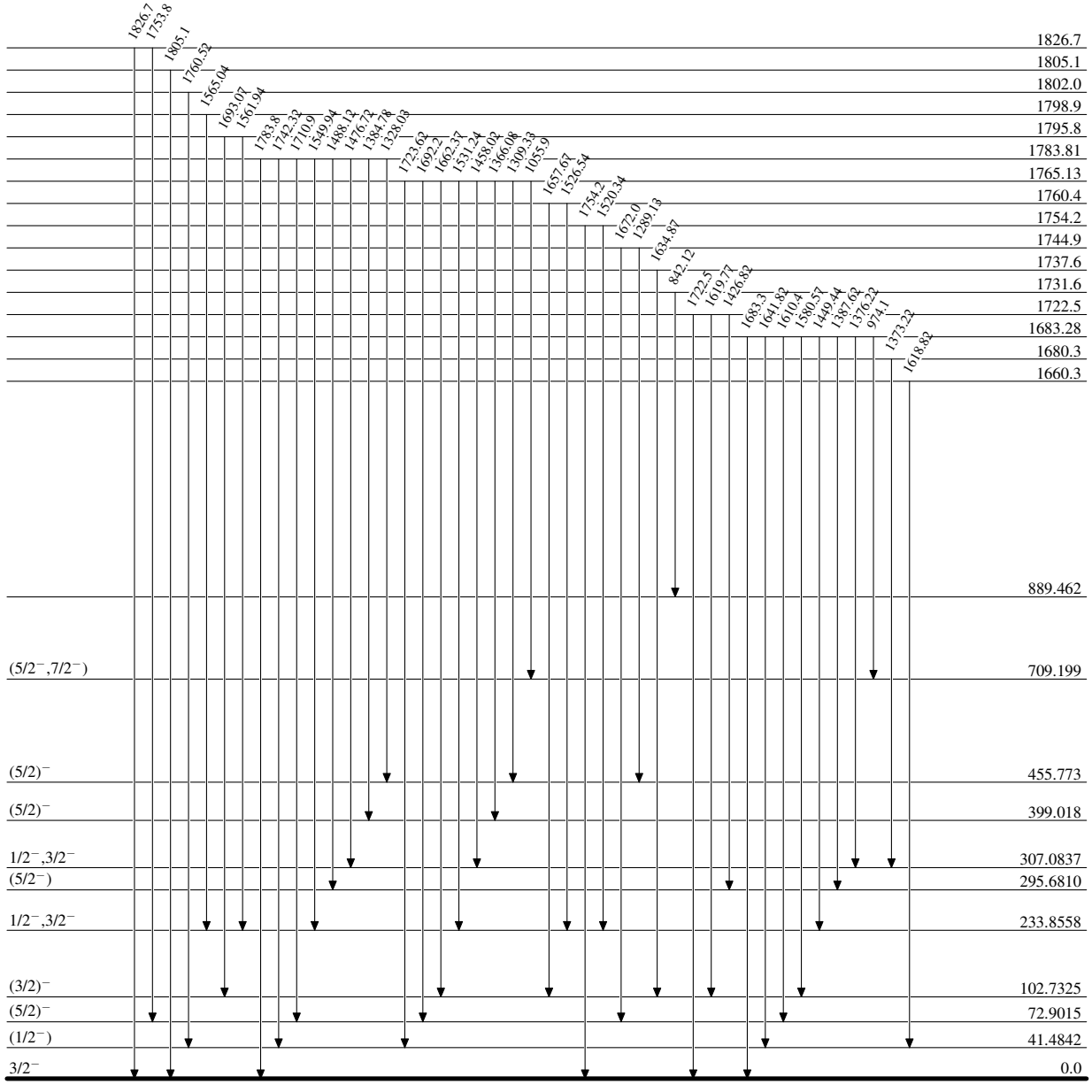


$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ



$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

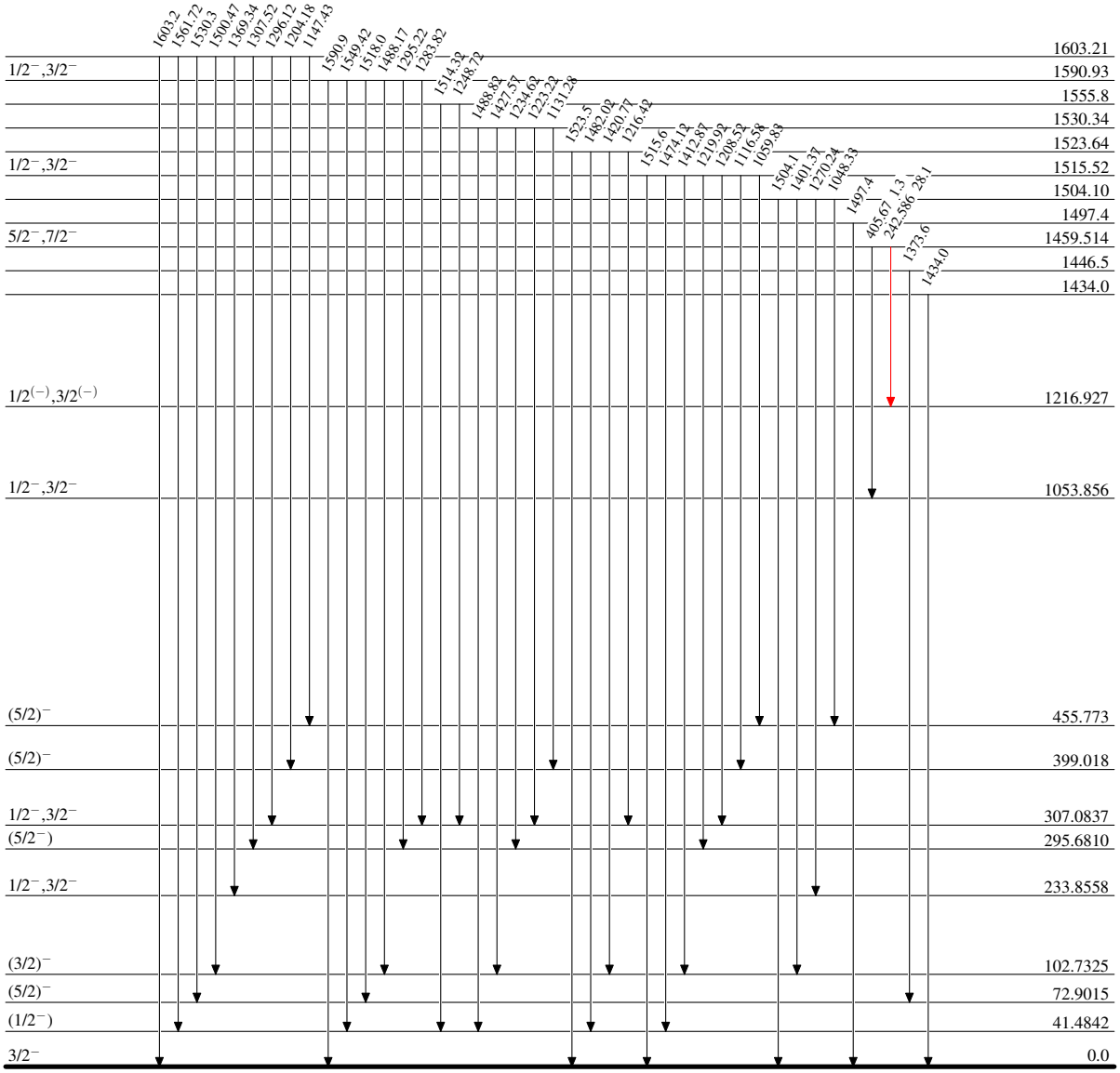
Intensities: Relative I_γ

Legend

$I_\gamma < 2\% \times I_\gamma^{max}$

$I_\gamma < 10\% \times I_\gamma^{max}$

$I_\gamma > 10\% \times I_\gamma^{max}$



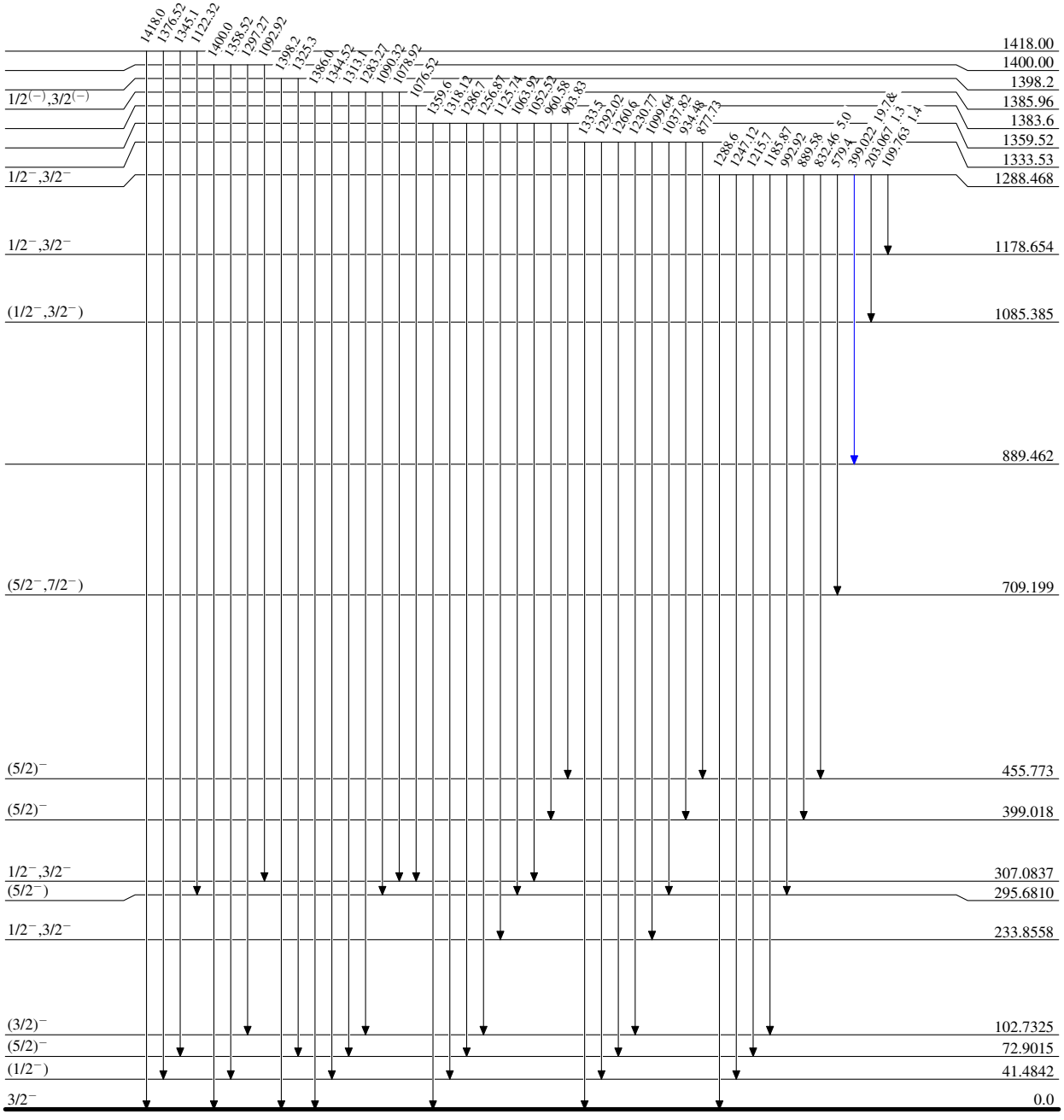
$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given

Legend
$I_\gamma < 2\% \times I_\gamma^{max}$
$I_\gamma < 10\% \times I_\gamma^{max}$
$I_\gamma > 10\% \times I_\gamma^{max}$

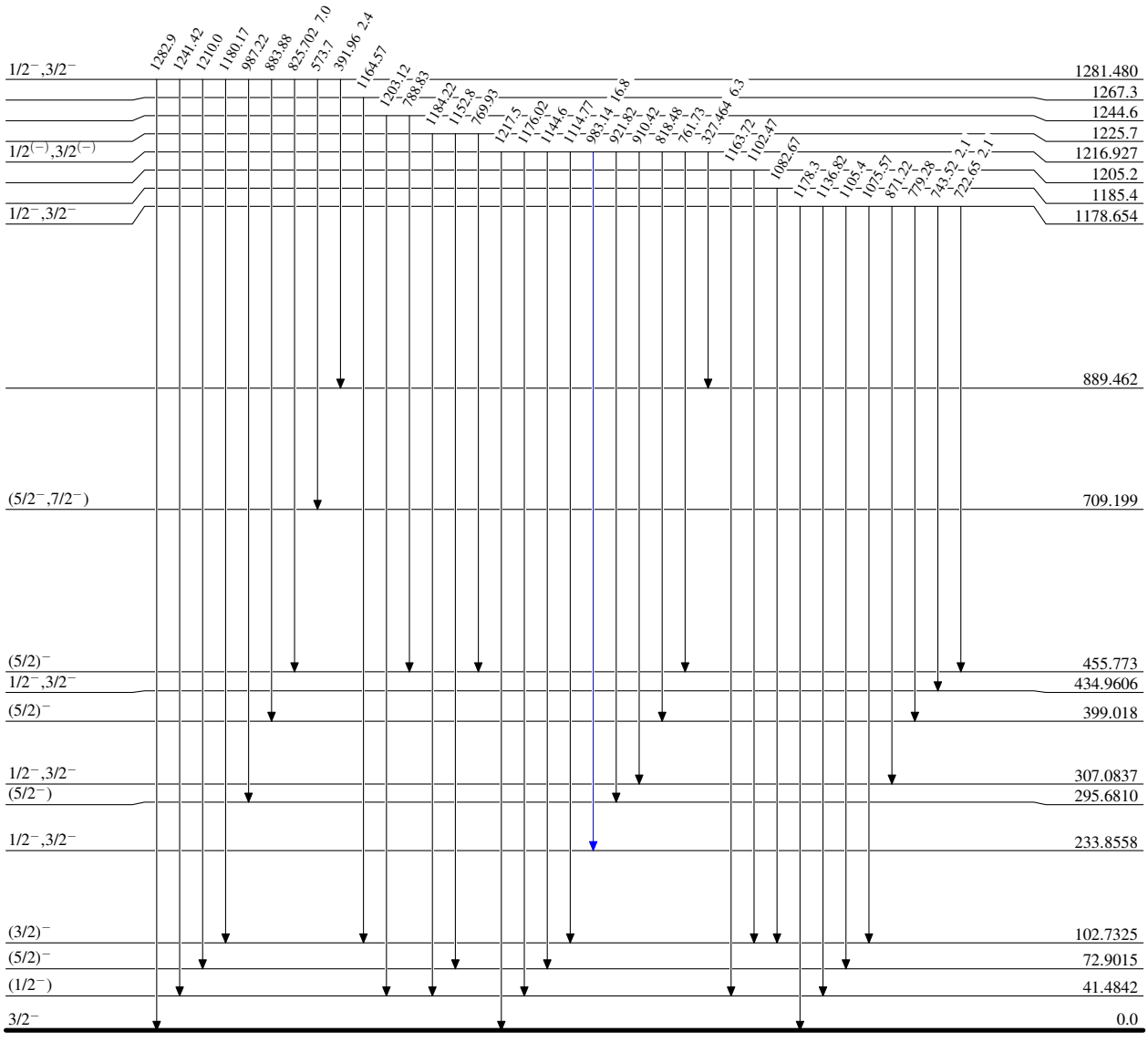


^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given

Legend
$I_\gamma < 2\% \times I_\gamma^{max}$
$I_\gamma < 10\% \times I_\gamma^{max}$
$I_\gamma > 10\% \times I_\gamma^{max}$



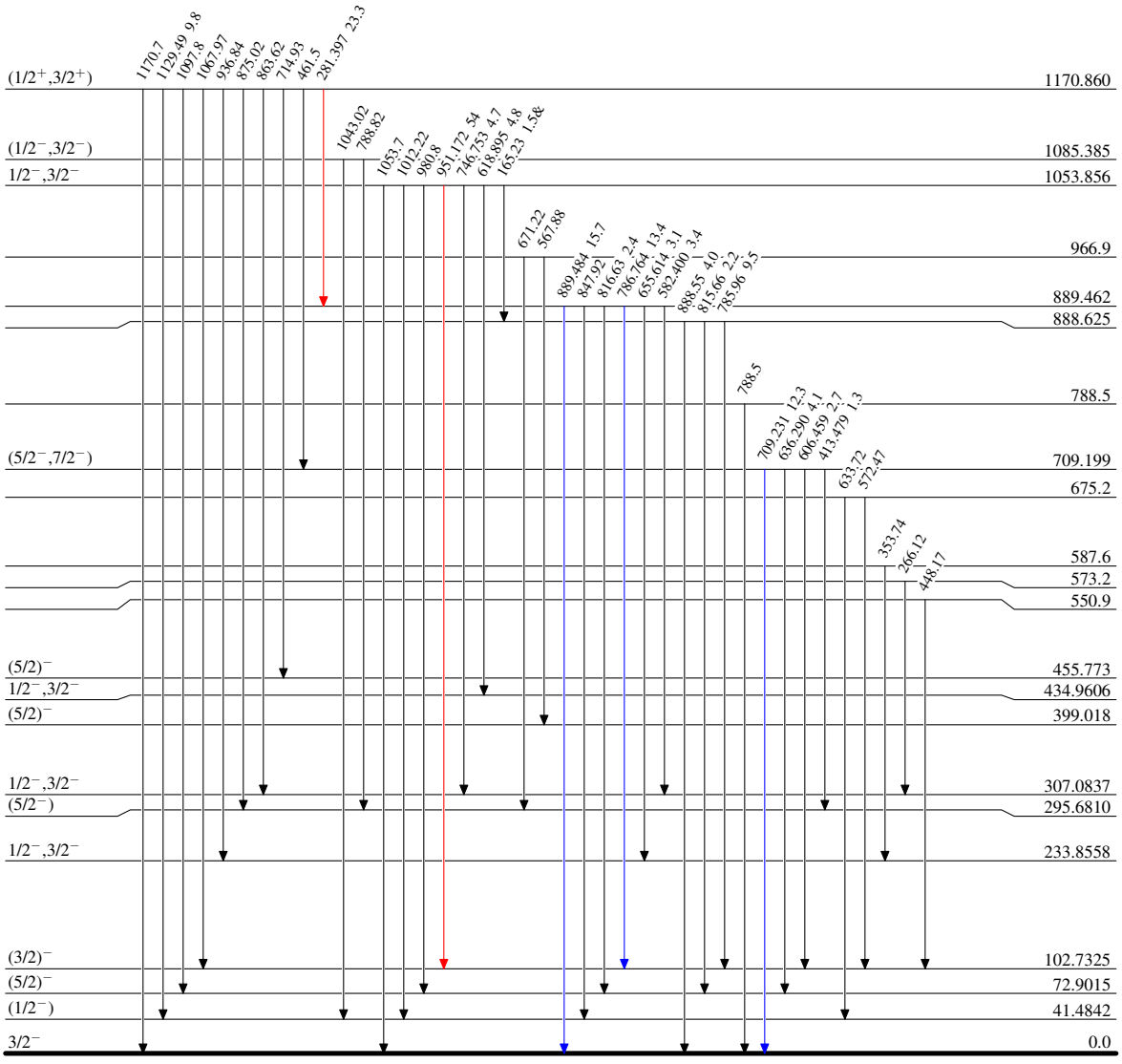
$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given

Legend
$I_\gamma < 2\% \times I_\gamma^{max}$
$I_\gamma < 10\% \times I_\gamma^{max}$
$I_\gamma > 10\% \times I_\gamma^{max}$



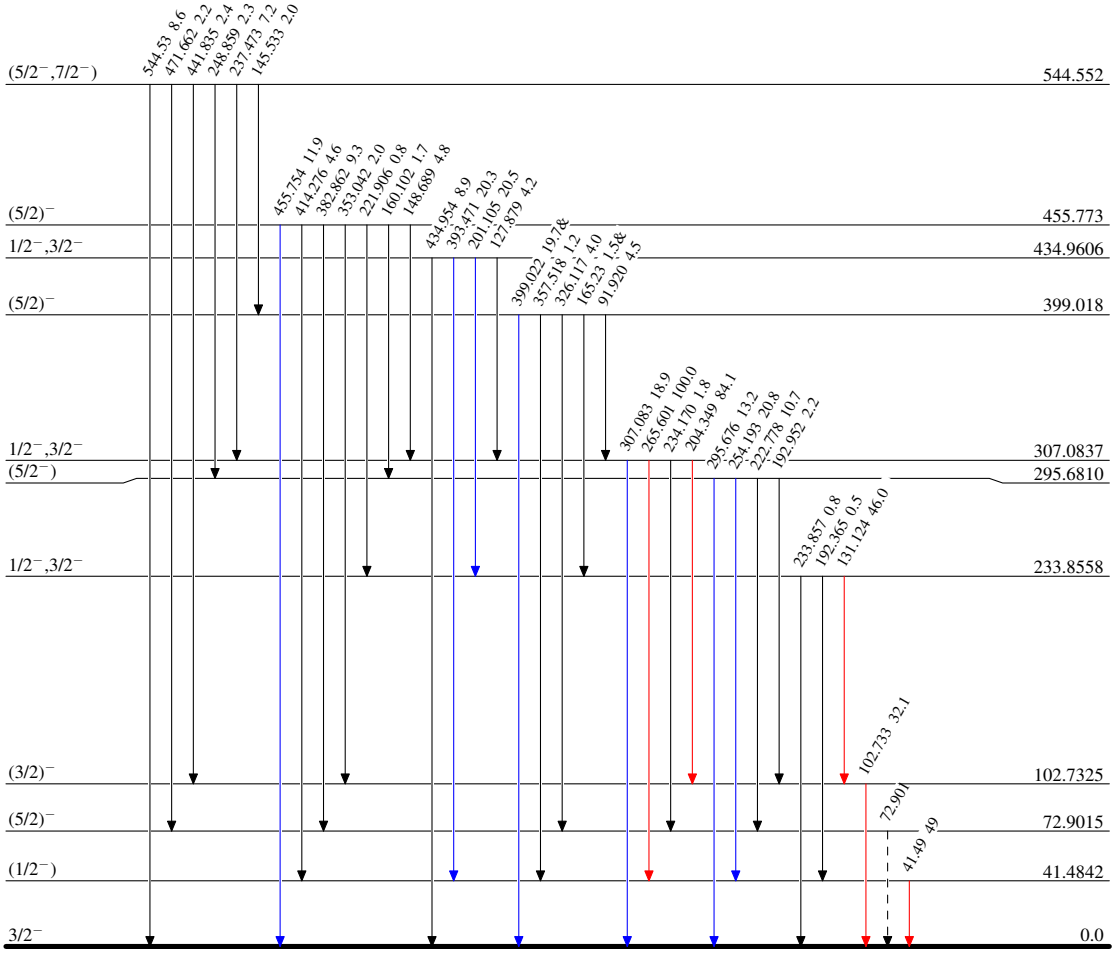
$^{193}_{76}Os_{117}$

^{192}Os(n,γ) E=thermal 1979Wa04,1978Be22,2002Ba66

Level Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given

Legend
$I_\gamma < 2\% \times I_\gamma^{max}$
$I_\gamma < 10\% \times I_\gamma^{max}$
$I_\gamma > 10\% \times I_\gamma^{max}$
γ Decay (Uncertain)



$^{193}_{76}Os_{117}$