^{184}W(α,4nγ) 1973Wa15

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 111,275 (2010)	1-Oct-2009

Other: 1965La02 (Eα=48, 52 MeV).
1973Wa15: ^{184}W(α,4nγ), E=41-50 MeV; two Ge(Li) detectors; measured Eγ, Iγ (E=48 MeV), γ(t), $\gamma(\theta)$ (3 angles), excit.

^{184}Os Levels

E(level)[†]	J$^{\pi}$[‡]	Comments
0.0[#]	0$^+$	
119.8[#] *10*	2$^+$	
383.6[#] *15*	4$^+$	
773.9[#] *18*	6$^+$	
1274.6[#] *20*	8$^+$	
1870.0[#] *23*	10$^+$	
2546.4[#] *25*	12$^+$	
3259.[#] *3*	14$^+$	
3787 *3*	(16$^+$)	included In g.s. band In 1973Wa15, but not In Adopted Levels.

[†] From Eγ, assigning 1 keV uncertainty to all Eγ data.
[‡] Authors′ proposed values, based on observed stretched Q γ cascade.
[#] Band(A): K$^{\pi}$=0$^+$ g.s. band.

γ(^{184}Os)

E$_{\gamma}$	E$_i$(level)	J$_i^{\pi}$	E$_f$	J$_f^{\pi}$	Mult.[†]
119.8	119.8	2$^+$	0.0	0$^+$	Q
263.8	383.6	4$^+$	119.8	2$^+$	Q
390.3	773.9	6$^+$	383.6	4$^+$	Q
500.7	1274.6	8$^+$	773.9	6$^+$	Q
528	3787	(16$^+$)	3259.	14$^+$	(Q)
596.2	1870.0	10$^+$	1274.6	8$^+$	Q
675.6	2546.4	12$^+$	1870.0	10$^+$	Q
712.7	3259.	14$^+$	2546.4	12$^+$	Q

[†] From $\gamma(\theta)$ (E=48 MeV, θ=90°, 135°, 145°). Authors state that $\gamma(\theta)$ is consistent with expectation for stretched Q transitions but give No further details.

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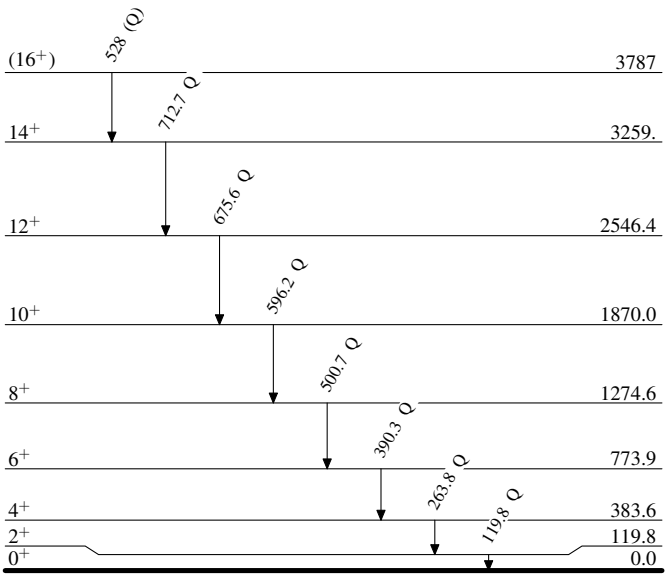
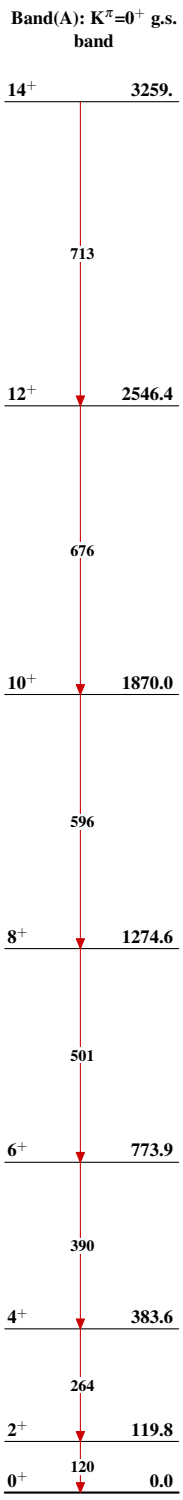
Level Scheme



$^{184}_{76}Os_{108}$

^{184}W(α,4nγ) 1973Wa15



$^{184}_{76}Os_{108}$