^{208}Pb(^{16}O,Xγ) 2003Po11

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 111, 717 (2010)	1-Dec-2009

E=85 MeV. Measured Eγ, Iγ, γγ, and γγγ using the Euroball IV array comprised of 15 Cluster Ge detectors, 26 Clover Ge detectors, and 30 tapered single-crystal Ge detectors.

^{116}Ag Levels

E(level)[†]	Jπ	$T_{1/2}$	Comments
0	0^-	2.68 min *10*	
x			
199+x[‡]	(8^-)		Additional information 1.
324.4+x[#] *2*	(9^-)		
634.9+x[‡] *3*	(10^-)		
964.7+x[#] *3*	(11^-)		
1160.7+x *4*			
1336.1+x[‡] *4*	(12^-)		
1615.2+x *6*			
1761.3+x[#] *4*	(13^-)		
2187.7+x[‡] *5*	(14^-)		
2671.7+x[#] *6*	(15^-)		

[†] From least-squares fit to Eγ's.
[‡] Band(A): $\pi g_{9/2}\nu h_{11/2}$, α=0.
[#] Band(a): $\pi g_{9/2}\nu h_{11/2}$, α=1.

γ(^{116}Ag)

E_γ	I_γ	E_i(level)	J_i^π	E_f	J_f^π	Comments
125.4 *2*		324.4+x	(9^-)	199+x	(8^-)	
310.4 *2*	100 *10*	634.9+x	(10^-)	324.4+x	(9^-)	
329.7 *2*	53 *5*	964.7+x	(11^-)	634.9+x	(10^-)	
371.4 *2*	34 *5*	1336.1+x	(12^-)	964.7+x	(11^-)	
425.3 *3*	17 *3*	1761.3+x	(13^-)	1336.1+x	(12^-)	E_γ: 426 in figure 3 of 2003Po11.
426.5 *3*	12 *4*	2187.7+x	(14^-)	1761.3+x	(13^-)	E_γ: 425 in figure 3 of 2003Po11.
454.5 *4*	6 *2*	1615.2+x		1160.7+x		
525.8 *3*	17 *4*	1160.7+x		634.9+x	(10^-)	
640.5 *3*	54 *5*	964.7+x	(11^-)	324.4+x	(9^-)	
701.4 *4*	18 *3*	1336.1+x	(12^-)	634.9+x	(10^-)	
796.6 *4*	29 *4*	1761.3+x	(13^-)	964.7+x	(11^-)	
851.3 *5*	9 *3*	2187.7+x	(14^-)	1336.1+x	(12^-)	
910.4 *4*	13 *3*	2671.7+x	(15^-)	1761.3+x	(13^-)	

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Level Scheme

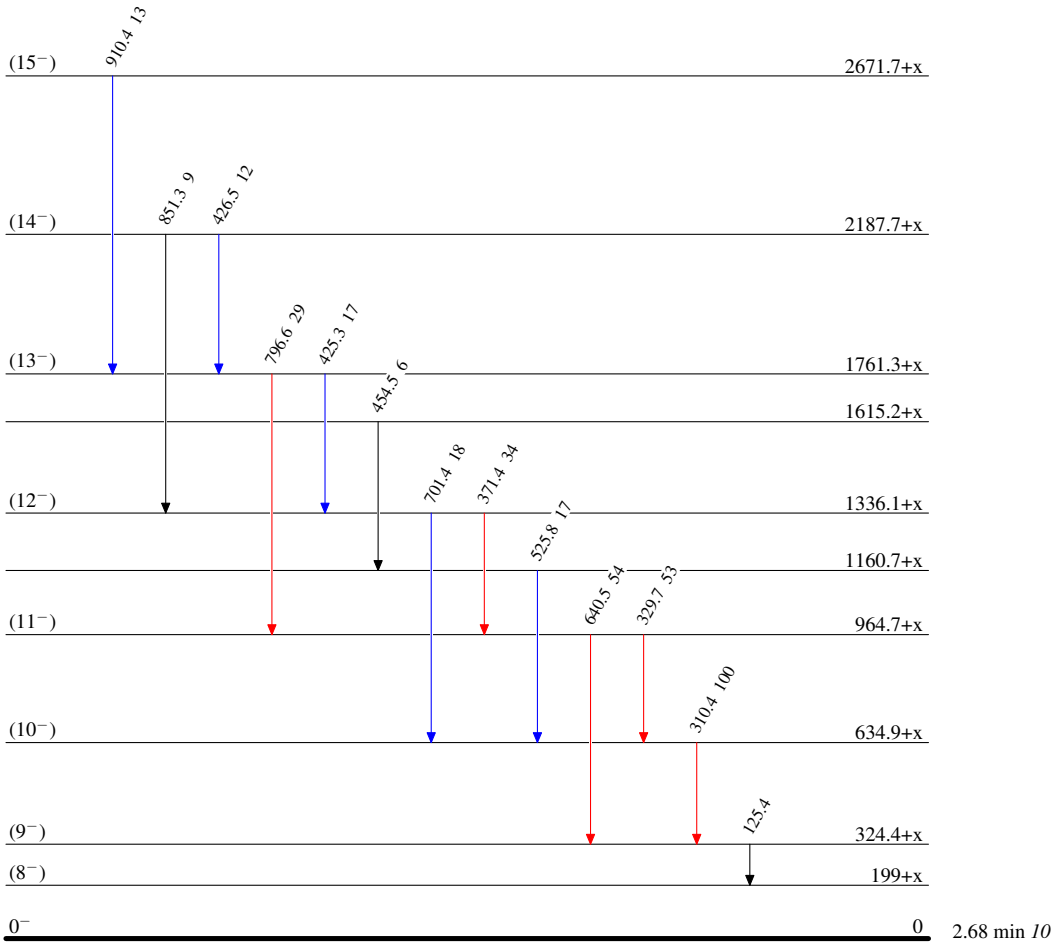
Intensities: Relative I_γ

Legend

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

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

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



$^{116}_{47}Ag_{69}$

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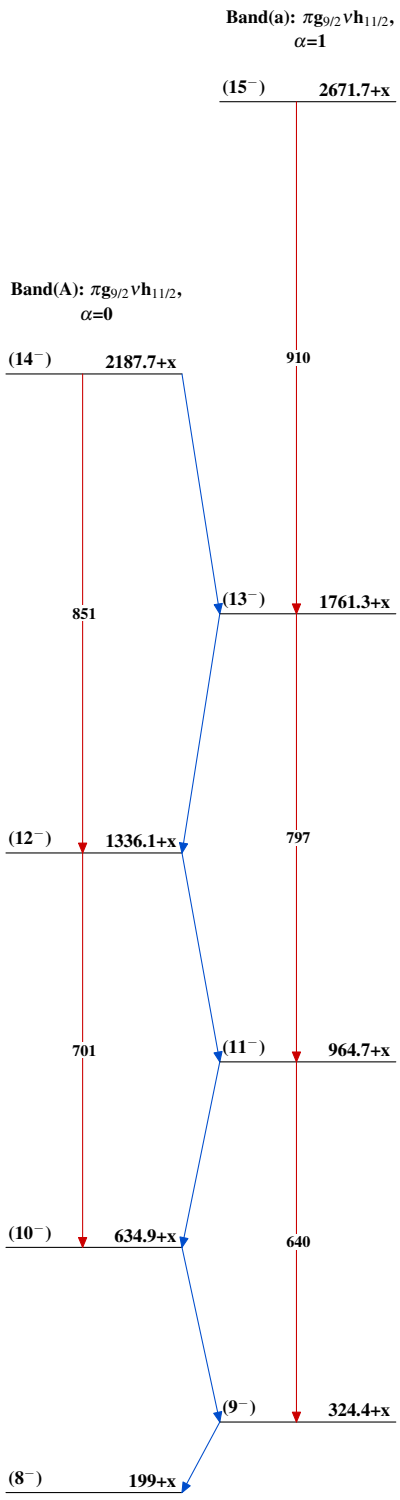

$^{116}_{47}Ag_{69}$