

$^{208}\text{Pb}(^{16}\text{O},\text{X}\gamma)$ 2003Po11

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 113, 515 (2012)	1-Jan-2012

E=85 MeV. Measured E_γ , I_γ , $\gamma\gamma$, and $\gamma\gamma\gamma$ using the Euroball iv array comprised of 15 Cluster Ge detectors, 26 Clover Ge detectors, and 30 tapered single-crystal Ge detectors.

 ^{114}Ag Levels

E(level) [‡]	J^π [†]	$T_{1/2}$	Comments
0	1^+	4.6 s <i>l</i>	E(level), J^π , $T_{1/2}$: from Adopted Levels for ^{114}Ag .
199	$(5^+, 6^+)$	1.50 ms <i>5</i>	
300.8 <i>2</i>	(6^-)		
300.8+y	(7^-)		
300.8+x [#]	(8^-)		
389.7+x [@] <i>3</i>	(9^-)		
742.8+x [#] <i>4</i>	(10^-)		
1043.7+x [@] <i>4</i>	(11^-)		
1465.4+x [#] <i>5</i>	(12^-)		
1885.8+x [@] <i>5</i>	(13^-)		

[†] J are based on bands assignments.

[‡] From least-squares fit to E_γ 's.

[#] Band(A): $\pi g_{9/2} \nu h_{11/2}$, $\alpha=0$.

[@] Band(a): $\pi g_{9/2} \nu h_{11/2}$, $\alpha=1$.

 $\gamma(^{114}\text{Ag})$

E_γ	I_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	E_γ	I_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
y		300.8+y	(7^-)	300.8	(6^-)	420.5 <i>3</i>	20 <i>5</i>	1885.8+x	(13^-)	1465.4+x	(12^-)
x		300.8+x	(8^-)	300.8+y	(7^-)	422.0 <i>4</i>	37 <i>5</i>	1465.4+x	(12^-)	1043.7+x	(11^-)
88.9 <i>3</i>		389.7+x	(9^-)	300.8+x	(8^-)	653.5 <i>3</i>	43 <i>5</i>	1043.7+x	(11^-)	389.7+x	(9^-)
101.8 <i>2</i>		300.8	(6^-)	199	$(5^+, 6^+)$	722.5 <i>4</i>	11 <i>3</i>	1465.4+x	(12^-)	742.8+x	(10^-)
301.2 <i>2</i>	38 <i>5</i>	1043.7+x	(11^-)	742.8+x	(10^-)	841.8 <i>4</i>	34 <i>5</i>	1885.8+x	(13^-)	1043.7+x	(11^-)
353.3 <i>2</i>	100 <i>10</i>	742.8+x	(10^-)	389.7+x	(9^-)						

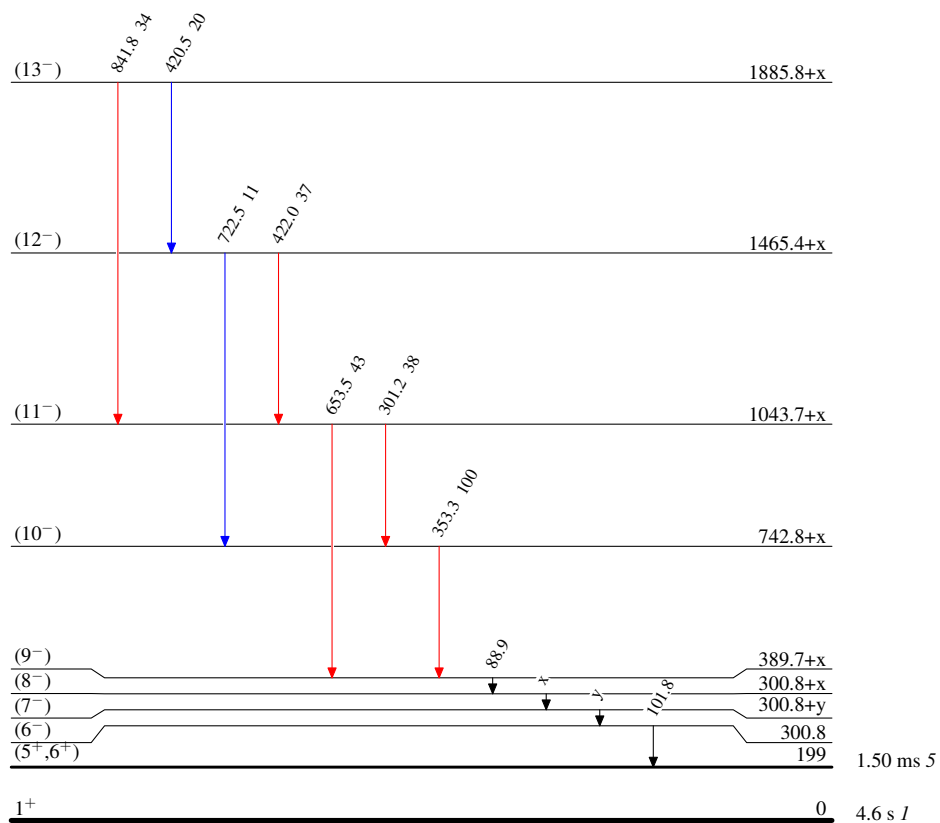
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Level Scheme

 Intensities: Relative I_γ

Legend

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


 $^{114}_{47}\text{Ag}_{67}$

