

$^{58}\text{Ni}(^{40}\text{Ca,p2n}\gamma)$ 2003Ma24

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, G. Mukherjee, A. A. Sonzogni		NDS 111, 2555 (2010)	30-Jun-2009

E=135 MeV. Measured $E\gamma$, $I\gamma$, $\gamma\gamma$, n γ , charged particle γ and lifetimes using the GASP detector array with 40

Compton-suppressed HPGe, 74 element BGO inner ball, 6 BC501 α liquid scintillator for neutrons and the ISIS Si ball (40-element ΔE -E telescope).

Other: 2002La19.

 ^{95}Ag Levels

E(level) [‡]	J π [†]	T _{1/2}	Comments
0.0 [#]	(9/2 ⁺)		
822.9 9	(11/2 ⁺)		
936.7 [#] 9	(13/2 ⁺)		
1940.6 10	(15/2 ⁺)		
2001.7 [#] 13	(17/2 ⁺)		
2104.5 14	(17/2 ⁻)		
2532.3 17	(23/2 ⁺)	>1 μs	T _{1/2} : from beam- γ coincidence measurement.
2882.7 [#] 17	(21/2 ⁺)		
2906.3 17	(19/2 ⁻)		

[†] From Adopted Levels.

[‡] From least-squares fit to $E\gamma$ assuming $\Delta E\gamma=1$ keV.

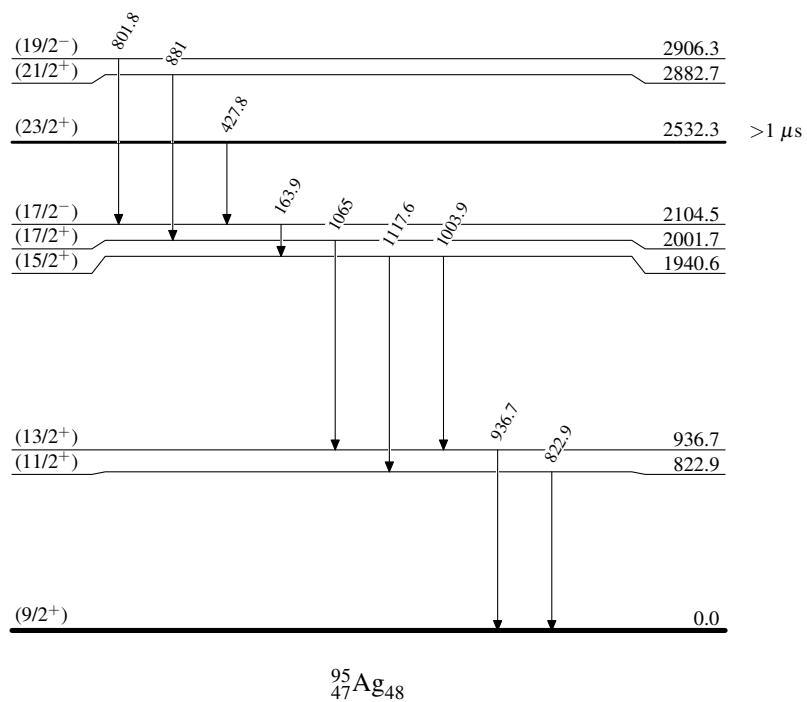
[#] Band(A): g.s. band.

 $\gamma(^{95}\text{Ag})$

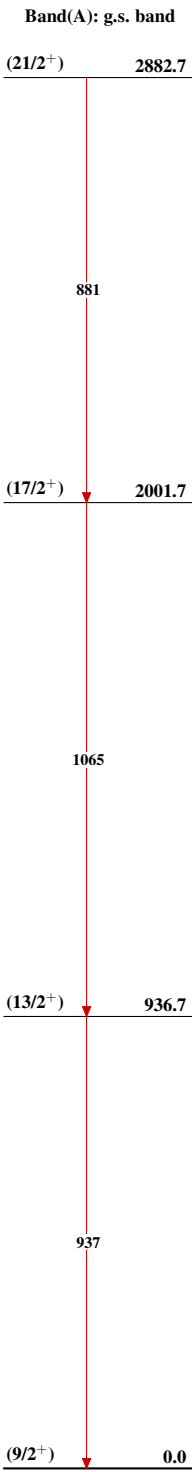
E_γ	$E_i(\text{level})$	J π_i	E_f	J π_f
163.9	2104.5	(17/2 ⁻)	1940.6	(15/2 ⁺)
427.8	2532.3	(23/2 ⁺)	2104.5	(17/2 ⁻)
801.8	2906.3	(19/2 ⁻)	2104.5	(17/2 ⁻)
822.9	822.9	(11/2 ⁺)	0.0	(9/2 ⁺)
881	2882.7	(21/2 ⁺)	2001.7	(17/2 ⁺)
936.7	936.7	(13/2 ⁺)	0.0	(9/2 ⁺)
1003.9	1940.6	(15/2 ⁺)	936.7	(13/2 ⁺)
1065	2001.7	(17/2 ⁺)	936.7	(13/2 ⁺)
1117.6	1940.6	(15/2 ⁺)	822.9	(11/2 ⁺)

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Level Scheme



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$^{95}_{47}\text{Ag}_{48}$