

$^{107}\text{Ag}(\text{p,d})$ 1975An07

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	D. De Frenne and A. Negret		NDS 109, 943 (2008)	1-May-2007

E=22.9 MeV. Measured: $\sigma(\text{E}(\text{p}),\theta)$. Deduced: ^{106}Ag levels, L, J^π , S.
 $J^\pi(^{107}\text{Ag})=1/2^-$.

 ^{106}Ag Levels

E(level)	L [†]	S [‡]	Comments
275 1	2	0.47,0.40	
363 1	2	0.17,0.14	
424 1	2	0.11,0.091	
472 2			
517 1	4	1.0,0.67	S: J=5 ⁻ ,3 ⁻ assumed.
563 2	2	0.23,0.20	
596 1	2	0.34,0.29	
659 1	0	0.071 [#]	
680 1	0	0.050 [#]	
696 1	2	0.22,0.19	
768 2	2	0.065,0.06	
809 2	0	0.021 [#]	
859 4	4,5		
886 2	5,6	0.34	L: L=5 favored by shell model. S: J=4 ⁺ assumed.
901 1	2	0.083,0.07	
916 1	2	0.12,0.10	
936 2	0	0.024 [#]	
950 2	(2)	0.20,0.017	
1007 1	2	0.15,0.12	
1022 1	2	0.11,0.17	
1106 2	0	0.027 [#]	
1176 2	0+2		

[†] Angular distribution data taken at 15 angles ($\theta=1^\circ-70^\circ$) and compared with DWBA calc.

[‡] C²S is given; if L=2, J=3⁻,1⁻ assumed.

[#] Assumed J=0⁻.