^{107}Ag(^{3}He,d) 1972Au05

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	ENSDF	1-Jul-2008

E(^{3}He)= 27 MeV, spectrograph, FWHM=25− 30 keV.
$J^{\pi}(^{107}Ag)=1/2^{-}$.

^{108}Cd Levels

E(level)‡	L#	S[a]	E(level)‡	L#	S[a]	E(level)‡	L#	S[a]
0	1	0.83	2601	4	0.74	3284	4	0.52
633	1	0.20	2675	0	0.023	3390†	(2+4)	0.04,0.19
1506			2705	3,4	0.25,0.3	3430		
1602	(1)	0.017	2740	(1)	≈0.008	3480		
1721	1	0.066	2816	2	0.031	3530	@	
1911	(1)	0.021	2938	1	0.018	3560	@	
2157	(1)	≈0.009	2990			3630	&	
2199	2	0.092	3076	1	0.014	3670	&	
2368	1	0.029	3138	(0)	≈0.010	3750		
2481	(1)	0.015	3170			3820		
2551	2	0.047	3220			3870		

† Unresolved doublet.
‡ Uncertainty is <0.5%.
# From DWBA analysis.
@ L=2 for unresolved 3530+3560, S≈0.02.
& L=2 for unresolved 3630+3670, S≈0.02.
[a] Values shown are $C^2S'=\sigma(exp)/4.42\ \sigma(DWBA)$ with J(p)=3/2,5/2,9/2 for L(p)=1,2,4, except J(p)=1/2 for the ground state.