^{106}Pd(^{3}He,d) 1975An06

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 109, 1383 (2008)	1-Mar-2008

E(^{3}He)=32.8 MeV.
Other: E(^{3}He)=28.0 MeV (1975Ku14).
Resolution (FWHM): 20 keV (1975An06),≈50 keV (1975Ku14), magnetic s.

^{107}Ag Levels

E(level)[#]	L[†]	C^2S'[‡]	Comments
0.0	1	0.50	C^2S': J=1/2$^-$ assumed.
93			
126[@]	4	1.46	C^2S': J=9/2$^+$ assumed.
325[@]	1	0.19	
423	(3)	0.056	C^2S': J=5/2$^-$ assumed.
786[@]	1	0.15	
922[@]	2	0.47	
1059	4	0.19,0.10	
1142[@]	0	0.32	
1222[@]	2	0.82	
1259	2	0.48	
1326	2	0.08	
1471	(1,2)		E(level): unresolved doublet.
1508	4	1.52,0.77	
1656	4	0.30,0.16	
1820	0	0.05	
1880			
1917			
2030[@]	2	0.43	
2095			
2105			
2197			L: L=2 for 2.19-MeV multiplet (1975Ku14).

[†] Angular distribution data taken at 15 angles (θ=2.5°−50°) and compared with distorted-wave calc (1975An06). Other angular distributions (θ=10°−60°) obtained by 1975Ku14; L-values of 1975An06, 1975Ku14 correspond where comparison may be made.
[‡] Given by 1975An06. Unless otherwise noted, J=3/2$^-$,5/2$^+$,7/2$^+$ assumed if L=1,2,4, respectively. Pair of values correspond to J=L−1/2,L+1/2, respectively.
[#] Uncertainties range from<1 keV at low excitation energies to≈10 keV for the highest states.
[@] Value adopted by authors for calibration.