^{106}Cd(d,p) 1973De16

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

E(d)=12 MeV.
Magnetic spectrograph resolution: FWHM=30 keV.

^{107}Cd Levels

ΔE: ΔE=±10 keV.

E(level)	L[#]	S[&]	Comments
0.0	2	0.25	
204	4	0.40	
320	2	0.14	
360			
457	0	0.46	
700	2	0.35	
843	@	0.086	E(level): may correspond with E(levels)=840.2 + 845.5.
911	0	0.046	
1001	2	0.054	E(level): may correspond with E(level)=998.7.
1059	4	0.47	
1161	@	0.016	E(level): may correspond with E(level)=1158.6.
1273[‡]	0	0.083	
1527[‡]	0	0.0086	
1592	2	0.15	
1749[‡]	0	0.063	
1904	0	0.044	
2276	(2)	0.096	
2360	0	≈0.075	
2425	2	0.108	
2481	@	0.027	
2559	1	0.012	
2629	@	0.019	
2719	(0)	0.016	
2811	(0)	0.065	
3321	4,(3)	0.175,0.023	
3383	@		
3450		0.032	
3516[‡]			

[†] ΔE=±10 keV.
[‡] Probable multiplet.
[#] Deduced from angular distributions measured at 10 angles (θ=12°−45°) compared with DWBA calc and characteristic shapes.
[@] L=3 tentative. Other L-values are less likely.
[&] Assumes J=3/2 if L=1,2 (except J=5/2 g.s.), J=7/2 if L=3,4.