^{106}Cd(p,p),(p,p′) IAR 1969Ab09

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

E(p)=5-8 MeV; resolution=20-25 keV, semi.

Other: E(p)=5.50-6.55 MeV (1968Ab07) comparable E(level) spacings, Γ, Γ(p) measured, and J^π inferred from angular distributions.

^{107}In Levels

E(level)†	J^π‡	S	Comments
9391 *14*	$5/2^+$	0.20	E(level): E(p)(C.M.)=5674 *2*. Analog to ^{107}Cd $5/2^+$ g.s.. IAS, Γ=29 keV, Γ(p)=0.7 keV.
9804 *14*	$1/2^+$	0.39	E(level): E(p)(C.M.)=6087 *1*. Analog to ^{107}Cd $1/2^+$, 457-keV state. IAS, Γ=53 keV, Γ(p)=16 keV.
10068	$3/2^+$	0.21	E(level): E(p)(C.M.)=6351 *1*. Analog to ^{107}Cd $3/2^+$, 702-keV state. IAS, Γ=30 keV, Γ(p)=2.3 keV.

† From S(p)=3717 *14* (1993Au05) + resonance E(p)(C.M.).

‡ From analysis of resonance structures shown in elastic cross-section excit (exp vs calc).