

$^{116}\text{Cd}(p,n)$ 1982Mu01

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Jean Blachot	NDS 111, 717 (2010)	1-Dec-2009

$E(p)=25.0$ MeV, FWHM \approx 125 keV.

Measured angular distribution of emitted neutrons leading to analog states.

DWBA calculations.

They observe the analogs of the 2^+ , 3^- and 4^+ one phonon states in the Cd target.

 ^{116}In Levels

<u>E(level)</u>	<u>J^π[†]</u>	<u>Comments</u>
13240 50		E(level): the g.s. analog is the Coulomb displacement energy.
13740 50	2^+	
14500 50	$(0^+, 2^+, 4^+)$	
15140 50	3^-	
15660 50	4^+	

[†] From DWBA analysis.