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

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	S. Lalkovski, J. Timar and Z. Elekes	NDS 161, 1 (2019)	1-Apr-2019

Facility: University of Pitsburgh Van de Graaf accelerator; Beam: E(d)=12-16 MeV; Target: self-supporting 1.24 mg/cm^2, enriched to 85% in ^{106}Cd; Detectors: magnetic spectrograph with FWHM=30 keV, scintillation detector; Measured: dσ/dΩ(E); Deduced: E, L and S from DWBA analysis with JOLIE.

^{105}Cd Levels

E(level)[†]	J$^\pi$[‡]	L[#]	S[@]
0	5/2$^+$	2	1.54
131 *10*	7/2$^+$	4	4.69
196 *10*	(5/2$^+$)		
262 *10*	(7/2)$^+$	2	0.50
759[&]	(5/2)$^+$		
867[&]	9/2$^+$		
940[&]	(9/2$^+$)		

[†] From 1973De16.
[‡] From the Adopted Levels.
[#] From DWBA analysis in 1973De16.
[@] From S= 1/N(dσ/dΩ)$_{exp}$/(dσ/dΩ)$_{DWBA}$ in 1973De16, where N=3.33.
[&] ΔE≈100 keV.