^{108}Cd(p,p),(p,p′) IAR 1969Ab09

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	S. Kumar(a), J. Chen(b) and F. G. Kondev	NDS 137, 1 (2016)	31-May-2016

1969Ab09: E_p=5-8 MeV, EN Tandem Van de Graaff accelerator, Weizmann Institute. Target: 250 μg/cm^2 on 100 μg/cm^2 Ni backing. Detectors: four sssd detectors (FWHM=20-25 keV), 3 NaI detectors angles 90°,125°, 140°, 170° for (p,p); angle 125° for (p,p′).

Others: 1969Ab04, 1970Ab02.

^{109}In Levels

E(level)[†]	J$^\pi$[‡]	Comments
10746 *5*	1/2$^+$	E(level): E(p)=6222, IAS of ^{109}Cd (g.s.).
11055 *5*	3/2$^+$	E(level): E(p)=6531 *2*, possible IAS of ^{109}Cd (347.5 level).
11598 *5*	1/2$^+$	E(level): E(p)=7074.

[†] Sum of S(p)=4524 *5* (2012Wa38) and resonance E(p)(c.m.).

[‡] Deduced by 1969Ab09 from analysis of resonance structure.