^{114}Cd(p,p),(p,p′) IAR 1970Mi08

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 113, 2391 (2012)	1-Sep-2012

Others: 1967Ha32, 1969Ab09.
E=7-10 MeV; semi.
Coulomb displacement energy=13.27 MeV.

^{115}In Levels

See 1970Mi08 for tentative IAR assignments.

E(level)†	L‡	S#	Comments
13936	0	0.63	IAS, Γ=65 keV, Γ(p)=32 keV. Analog of ^{115}Cd 1/2$^+$ g.s..
14173	2	0.49	IAS, Γ=45 keV, Γ(p)=9.8 keV. Analog of ^{115}Cd 3/2$^+$, 229-keV state.
14301	2	0.09	IAS, Γ=32 keV, Γ(p)=1.7 keV. Analog of ^{115}Cd 5/2$^+$, 360-keV state.
14403	2		Analog of ^{115}Cd 3/2$^+$, 473-keV state.
14584	0	0.16	IAS, Γ=55 keV, Γ(p)=10 keV. Analog of ^{115}Cd 1/2$^+$, 649-keV state.
14680	2		IAS, Γ=30 keV, Γ(p)=0.62 keV. Analog of ^{115}Cd 743-keV L=2 (d,p) state.
14725	2	0.05	IAS, Γ=23 keV, Γ(p)=1.4 keV. Possible analog of ^{115}Cd 3/2$^+$, 777-keV state.
14878	0	0.04	IAS, Γ=50 keV, Γ(p)=2.4 keV. Possible analog of ^{115}Cd 955-keV L=0 (d,p) state.
15006	2		Possible analog of ^{115}Cd 1085-keV L=2 (d,p) state.
15311	2		IAS, Γ=50 keV, Γ(p)=2.0 keV. Possible analog of ^{115}Cd 1365-keV L=2 (d,p) state.
15325?	0	0.10	Tentative IAS, Γ=58 keV, Γ(p)=7.4 keV.
15846	1	0.02	IAS, Γ=22 keV, Γ(p)=1.5 keV. Possible analog of ^{115}Cd 1928-keV L=1 (d,p) state.
16011	3	0.04	IAS, Γ=60 keV, Γ(p)=1.2 keV.
16434	3	0.12	IAS, Γ=75 keV, Γ(p)=3.8 keV.

† From S(p)=6805 *4* (2003Au03) + res E(p)(C.M.).
‡ Deduced from elastic cross-section excit (exp vs calc).
# Spectroscopic factors extracted from elastic-scattering data.