

$^{115}\text{In}(d,d')$  1996Es05,1970Di11

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

1970Di11: E(d)=12 MeV, FWHM $\approx$ 9 keV, magnetic spectrograph, three angles.

1996Es05: E(d)=22 MeV, Q3D magnetic spectrograph, Univ. Munich. FWHM=5-7 keV, nine angles.

Others: 1961Co07, 1962Jo05, 1967Hj03 ED=15 MeV; 1970ThZW ED=12 MeV.

Inelastic deuteron spectrum recorded at 90°, 125°, 150°.

 $^{115}\text{In}$  Levels

E(level) <sup>†</sup>	J $\pi$ <sup>#</sup>	L <sup>‡</sup>	Comments
0.0?	9/2 <sup>+</sup>		
$\approx$ 335			Weak peak in spectra.
598 2			S: $\sigma$ at 125°=1.4 2 (1970Di11).
943 2			S: $\sigma$ at 125°=1.3 2 (1970Di11).
1078 2			S: $\sigma$ at 125°=10.0 5 (1970Di11).
1134 2			S: $\sigma$ at 125°=19.6 7 (1970Di11).
1291 2			S: $\sigma$ at 125°=19.7 7 (1970Di11).
1448 2			S: $\sigma$ at 125°=3.2 3 (1970Di11).
1464 2			S: $\sigma$ at 125°=6.0 6 (1970Di11).
1486 2			S: $\sigma$ at 125°=2.4 2 (1970Di11).
1609 2			E(level): other: 1620 (1967Hj03,1970ThZW). S: $\sigma$ at 125°=0.71 11 (1970Di11).
1864 2			S: $\sigma$ at 125°=3.0 2 (1970Di11).
1917 2			S: $\sigma$ at 125°=0.77 9 (1970Di11).
1977 2			S: $\sigma$ at 125°=0.47 8 (1970Di11).
1999 2			S: $\sigma$ at 125°=4.1 3 (1970Di11).
2072	3		S: $\sigma$ at 125°=3.4 3 (1970Di11).
2088	3		S: $\sigma$ at 125°=4.1 3 (1970Di11).
2108	3		S: $\sigma$ at 125°=5.3 3 (1970Di11).
2137	3		S: $\sigma$ at 125°=4.8 7 (1970Di11).
2172 2			S: $\sigma$ at 125°=1.1 1 (1970Di11).
2208 2			S: $\sigma$ at 125°=1.8 2 (1970Di11).
2372	3		
2385	3		
2434	3		
2443	3		
2450	3		
2480	3		
2542	3		

<sup>†</sup> From 1970Di11 below 2208 keV and without L. Others from 1996Es05.

<sup>‡</sup> From DWBA analysis (1996Es05).

<sup>#</sup> From 1996Es05 from L measurement in (d,d') and DCO analysis from a (p,2n $\gamma$ ) experiment.