^{115}In(d,p) 1968Mo04,1976Al06

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

E=12 MeV, J^π=(^{115}In)=9/2$^+$.
The experimental spectra (1968Mo04) were reanalyzed by 1976Al06, using level energies from their (n,γ) work.

^{116}In Levels

E(level)[†]	J^π[#]	L[‡]	S	E(level)[†]	J^π[#]	L[‡]	S	E(level)[†]	L[‡]
0	1$^+$	4	0.70	554.979	4$^-$	5	0.71	949.2 *4*	1,0,0+2
127.267	5$^+$	0	0.40	648.916	6$^+$	2	0.69	970.5 *8*	2,1
223.330	4$^+$	0+2	0.18	658.073	3$^+$	5,4	0.63	1005.5 *10*	1
273.1 *5*	2$^+$	4,5	0.40	665.616	8$^+$	4	0.33	1022.0 *7*	1
289.660	8$^-$	5	0.66	728.865	3$^-$	5	0.63	1060.5 *4*	2
313.476	5$^+$	2	0.53	735.688	5$^+$	0	0.007	1072.0 *3*	1,2
350.576	7$^-$	5	0.62	760.997	7$^+$	2	0.13	1100.5 *3*	1,2
366.418	9$^-$	5	0.54	789.372	6$^+$	2	0.13	1142.7 *4*	2
373.373	6$^-$	5	0.65	813.8 *5*	4$^+$	4	0.12	1163.9 *6*	1,2,0
425.930	4$^+$	0+2	0.28	829.7 *12*	4$^+$	0	0.0021	1189.3 *5*	2
458.942[@]	5$^-$	5+0	0.55	910.5 *9*		2		1205.0 *4*	2
508.241	3$^+$	2	0.86	914.5 *5*		5			

[†] From (n,γ).
[‡] Deduced by 1976Al06 from reanalysis of angular distributions (10 angles, 10°−55°).
[#] Values assumed for DWBA analyses.
[@] Includes also the 460.0.