

$^{129}\text{I}(\text{d,p})$ [1989Sa11](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 93, 33 (2001)	11-May-2001

E=22 MeV, FWHM=4.5 keV, $\theta=40^\circ$. $J^\pi(^{129}\text{I})=7/2^+$.

 ^{130}I Levels

E(level)	Relative I(P)	Comments
0.0 [†]	186 13	
45.50 18	196 18	E(level): 43.2+43.9+44.3 multiplet, assumed L=2+5+2. L: assumed L=0, s1/2 transfer.
48.91 13	326 16	
62.2 6	26 5	
70.1 [‡] 6	23 4	
82.03 [‡] 19	117 13	
93.77 9	331 19	E(level): 91.8+93.7 multiplet; assumed L=0+5.
110.8 [‡] 6	20 5	
180.22 [‡] 24	19 5	
211.3 [†] 5	18 5	
224.1 [†] 9	17 5	
245.3 [‡] 6	24 5	
249.5 [†] 7	65 7	
259.5 [†] 8	96 15	
264.7 5	18 5	
352.4 [‡] 8	11 3	
378.9 [‡] 7	12 4	
428.6 7	12 4	
461.4 [‡] 6	18 4	
480.5 [‡] 6	18 4	
531.6 7	12 4	
593.8 15	6 2	
605.8 11	7 3	
642.0 7	24 6	

[†] L=2, d3/2 transfer assumed by [1989Sa11](#).

[‡] L=5, h11/2 transfer assumed by [1989Sa11](#).