

$^{67}\text{Zn}(\text{t},\alpha)$ 1984Ca26

Type	Author	History	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	Citation NDS 111, 1093 (2010)	3-Mar-2009

Target $J^\pi=5/2^-$.

E(t)=18 MeV, FWHM $\approx$ 20 keV; measured $\sigma(\theta)$ for $\theta=15^\circ-50^\circ$ in 5° steps, DWBA and empirical-shape analysis.

 ^{66}Cu Levels

E(level) [†]	L [‡]	C ² S	Comments
0	1(+3)	0.30	C ² S: <0.1 for L=3.
186	1(+3)	0.48	C ² S: <0.2 for L=3.
273	1	0.78	
380	1(+3)	0.04	C ² S: <0.02 for L=3.
452			
586	1	0.67	
679	1,3	0.07,0.09	
727	3	0.15	
821	1	0.08	
916			
1017	1	0.04	
1059	1	0.07	
1142			
1222			
1350			
1430			
1498	1,3	0.03,0.05	
1546	1	0.12	
1700 [#]			
1820			
1900			
2019			
2116	4	0.10	
2181	(1)+3	0.04+0.09	C ² S: 0.13 for L=3 is also possible.
2268			
2319	(1)+3	0.01+0.10	C ² S: 0.09 for L=3 is also possible.
2347			
2464			
2584 [#]	3	0.15	
2700	3	0.51	
2792			
2900 [#]			
2955			
3046			
3177	3	0.56	
3276 [#]	3	0.33	
3334	3	0.18	
3568	3	0.39	
3672			
3875			
4080			

[†] Uncertainty not specified.

[‡] From DWBA analysis of $\sigma(\theta)$.

[#] Multiplet.