^{66}Zn(t,α) 1967Ba14

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 111, 2425 (2010)	1-Aug-2009

All data are from 1967Ba14.
1967Ba14: E(t)=13 MeV, FWHM≈20 keV; measured σ(Eα,θ), θ≈20°−120°; DWBA analysis.
1984Ca26: E(t)=18 MeV, FWHM=20 keV; measured σ(Eα,θ), θ=15° to 50° in 5° steps.

^{65}Cu Levels

E(level)	L#	S@	E(level)	L#	S@	E(level)	L#	S@	E(level)	L#	S@
0†	1	1.52	2594 *15*			3267† *15*	2	0.66	4251 *15*	1	0.04
771† *15*	1	0.45	2654† *15*	3	1.98	3358† *15*	2	0.24	4415 *15*	3	0.99
1115† *15*	3	0.66	2752† *15*			3432† *15*	3	0.63	4528 *15*	0	0.89
1481† *15*	3	0.89	2846 *15*			3510† *15*	2	0.26	4562 *15*	3	0.93
1623† *15*	3	0.43	2870‡ *15*			3629† *15*	1	0.26	4611 *15*	3	0.26
2093† *15*	3	1.45	2897‡ *15*			3691 *15*			4678 *15*		
2213 *15*			2982 *15*			3736 *15*			4761 *15*		
2278† *15*	3	0.65	3028 *15*			3772 *15*	2	0.21			
2407 *15*			3079† *15*	1	0.18	3897 *15*	0	0.40			
2535† *15*	4	0.35	3243 *15*			4007 *15*	3	0.22			

† Level also seen by 1984Ca26.
‡ 1984Ca26 report a peak at 2885 which could be due to levels at 2870 and 2897.
# From DWBA analysis of $\sigma(\theta)$.
@ Normalized to sum of f7/2 strengths=8.0 (1967Ba14).