^{65}Cu(^{3}He,d) 1967Fo10

History

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

Target $J^{\pi}=3/2^{-}$.
E=18 MeV, FWHM=70-80 keV; $\sigma(\theta)$, $\theta\approx 20^{\circ}-90^{\circ}$; DWBA analysis.
Other: 1971Ab09.

^{66}Zn Levels

E(level)[†]	L[‡]	C^2S'[#]	Comments
0	1	0.54	
1040 *30*	1[@]	1.25	
1870 *30*	1[@]	0.36	
2380 *30*	1	0.1	
2460 *30*	3	0.92	L: possibly includes a small L=5 component.
2810 *30*	4,1	2.98,0.38	
2950 *30*	(1)	0.8	
3080 *30*	(3)	2.1	
3230 *30*			
3400 *30*			
3670 *30*			
3750 *30*			
3960 *30*			
4260 *30*			
4390 *30*			
4510 *30*			
4610 *30*			

[†] Level energy uncertainties of 30 keV (equal to those quoted for the ^{63}Cu(^{3}He,d)^{64}Zn reaction by 1967Fo10) have been assumed. Levels above 2460 are probably multiplets.
[‡] From DWBA analysis of $\sigma(\theta)$.
[#] Calculated with the assumption that the transferred angular momentum is 3/2 for L=1, 5/2 for L=2 and 3, and 9/2 for L=4.
[@] Possibly includes a small L=3 component.