^{63}Cu(^{3}He,d) 1967Fo10

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen	NDS 178, 41 (2021).	12-Nov-2021

1967Fo10: E(^{3}He)=18 MeV, FWHM≈80 keV, $\sigma(\theta)$, DWBA.
J^{π}(^{63}Cu g.s.)=3/2^{-}.
Other: 1971Ab09; analysis of data.

^{64}Zn Levels

E(level)[†]	J$^{\pi}$[‡]	L	C^{2}S	Comments
0	0$^+$	1	1.68	
990 *30*	2$^+$	1	0.78	
1800 *30*	2$^+$	1	0.16	
1900 *30*	0$^+$	1	0.10	
2320 *30*	4$^+$	3	0.45	
2620 *30*	0$^+$	1	0.32	
2780 *30*	2$^+$	(1)	0.37	E(level): 2740+2790 doublet. Since fit with L=3 is poor, the group is mostly 2780, 2$^+$.
3000 *30*	3$^-$&2$^+$	(4,1)	3.8,0.7	E(level): 3000+3006 doublet.
3080 *30*		(4,3)	3.0,2.3	L: fit with L=1 also possible.
3260 *30*				
3370 *30*				
3500 *30*				
3700 *30*				
3840 *30*				
4180 *30*				
4350 *30*				
4460 *30*				
4790 *30*				
5040 *30*				
5150 *30*				
5310 *30*				

[†] Calibration based on 990 level; groups above 2.62 MeV are most likely multiplets.
[‡] From the Adopted Levels.