^{58}Ni(^{3}He,p)   1968Yo01

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 114, 1849 (2013)	31-Dec-2012

E(^{3}He)=13.0 MeV. Measured $\sigma(\theta)$, θ(lab.)=7.5°−172.5° with magnetic spectrograph, FWHM= 21 keV (1968Yo01).
E(^{3}He)=10-12 MeV. Measured spectrum at 15° with magnetic spectrograph, FWHM≈ 50 keV (1967Mi02).
Data are from 1968Yo01. L-values are from shape of angular distributions.

^{60}Cu Levels

E(level)[†]	L	Comments
0.0	2	
58 10	0+2	
163? 20		
287 10	2	
361 10	0+2	
452 10	(2+4)	
558 10	(4)	
597 10	(2+4)	
667 10	(0+2)	
779 10		
900 10		
943 10		
1659 15		
1779 15	(0+2)	
1930 20		
1990 15		
2179 15	(2)	
2242 15		
2286 15		
2356 15		
2536 15	0	E(level): probable IAS of ^{60}Ni(g.s).
2715 15		
2763 15		
2915 15	(0)	
2977 15	2	
3072 20		
3137 15		
3315 15		
3545 15		
3696 15		
3874 15	(2)	E(level): probable IAS of ^{60}Ni(1333).
4619 20		
4638 20		

[†] The strong group seen by 1967Mi02 at 1428 7 is probably due to a contaminant.