

$^{65}\text{Cu}(\text{d,t})$  1969Pa07,1967Hj02

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

$J^\pi(^{65}\text{Cu g.s.})=3/2^-$ .

1969Pa07: E(d)=12.0 MeV, magnetic spectrograph, FWHM=5-7 keV.

1967Hj02: E(d)=15 MeV, magnetic spectrograph,  $\sigma(\theta)$  data, DWBA calculations.

Other: 1960Ze02. E(d)=21.5 MeV. 7 groups observed.  $\sigma(\theta)$  for g.s.

 $^{64}\text{Cu}$  Levels

E(level) <sup>†</sup>	L <sup>‡</sup>	S <sup>‡</sup>	Comments
0	1+3	0.06+0.26	
158	1	0.23	
276	1	0.31	
342	1+3 <sup>#</sup>	0.22+0.41 <sup>#</sup>	L,S: for 342 and 361 unresolved group.
361			
573	1+3 <sup>#</sup>	0.39+0.72 <sup>#</sup>	L,S: for 573 and 606 unresolved group.
606			
661			
742	1	0.73	
876	1 <sup>#</sup>	0.42 <sup>#</sup>	L,S: for 876, 893, 923 unresolved group.
893			
923			
1236	1 <sup>#</sup>	0.19 <sup>#</sup>	
1285?			
1294	1	0.10	
1349			
1360?			
1435			
1458?			
1495			
1517			
1546			
1589			
1607?			

<sup>†</sup> From average of (d,p) and (d, $\alpha$ ) data (1969Pa07).

<sup>‡</sup> From 1967Hj02.

<sup>#</sup> For unresolved multiplet.