

$^{65}\text{Cu}(\text{e},\text{e}')$ 1994Ri07

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

Target: Metallic foil of ^{65}Cu enriched to 99.2%. Projectile: Electron, $E=82.3\text{--}44343\text{ MeV}$. Measured scattered electrons at forward ($\theta=32.9^\circ\text{--}86^\circ$) and backward ($\theta=140^\circ$) angles. Magnetic spectrometer (QDD) with an energy resolution of 20-33 keV for forward angles, and 40 keV for backward angles.

 ^{65}Cu Levels

E(level)	J^π [†]	Comments
770.9 11	$1/2^-$	
1115.8 9	$5/2^-$	
1481.7 9	$7/2^-$	
1623.8 7	$5/2^-$	
1725.0 7	$3/2^-$	
2099.2 [‡] 8		Spectral peak comprises population to the 2094–($7/2^-$) and 2107–($5/2^-$) levels.
2212.8 7	$(1/2)^-$	
2278.4 7	$(7/2)^-$	
2326.8 21	$3/2^-$	
2405.7 8		
2532.0 [‡] 9		Spectral peak comprises population to the 2526–($9/2^+$), 2533–($1/2^-$, $3/2^-$, $5/2^-$), and 2534–($7/2^+$, $9/2^+$) keV levels.
2593.4 7	$(1/2^-, 5/2^-)$	
2644.9 [‡] 20		Spectral peak comprises population to the 2643-, 2650–($5/2^-, 7/2^-$), and 2655-keV levels.
2664.8 20		
2752.2 14	$(7/2^+, 9/2^+)$	
2835.4 12	$(7/2^+, 9/2^+)$	
2864.4 [‡] 12		Spectral peak comprises population to the 2863-, 2869-, and 2874–($3/2^-$) keV levels.
2897.5 [‡] 7		Spectral peak comprises population to the 2894- and 2902-keV levels.
2947.6 7		
2977.0 7		
2992.7 [‡] 7		Spectral peak comprises population to the 2990- and 2997-keV levels.
3036.0 7		

[†] From Adopted Levels.

[‡] Multiplet.