

$^{65}\text{Cu}(\text{p,p}')$ **1967Br10**

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

Target $J^\pi=3/2^-$.

1967Br10: E(p)=10.89 MeV, FWHM=11 keV; measured $\sigma(\text{E}(\text{p}))$; magnetic spectrometer.

1966Mc10: E(p)=17.5 MeV, FWHM=40 keV; measured $\sigma(\text{E}(\text{p}),\theta)$, $\theta \approx 25^\circ - 100^\circ$; DWBA analysis.

1957Ma23: E(p)=6.52 MeV, FWHM $\approx$ 10 keV; measured $\sigma(\text{E}(\text{p}))$.

For level density measurements see **1967Jo03**, **1972Lu03**, **1974Pa06**.

Other: **1995Ro30**.

 ^{65}Cu Levels

E(level) [†]	L [‡]	E(level) [†]	L [‡]	E(level) [†]	E(level) [†]
0		3232 10		3816 10	4358 10
770 4	2	3256 10		3851 10	4366 10
1114 4	2	3273 10		3881 10	4383 10
1482 4	2	3320 10		3894 10	4408 10
1623 4	2	3331 10		3904 10	4417 10
1725 6		3347 10	3	3923 10	4430 10
2093 8	(2) [#]	3359 10		3955 10	4446 10
2105 8		3392 10		3961 10	4476 10
2213 8		3407 10		3979 10	4490 10
2280 8		3427 10		3999 10	4513 10
2329 8		3451 10		4014 10	4523 10
2404 8		3470 10		4031 10	4535 10
2531 8	3	3482 10		4044 10	4557 10
2594 8		3499 10	3	4057 10	4571 10
2644 10		3513 10		4079 10	4598 10
2654 10		3541 10		4092 10	4616 10
2751 8		3557 10		4116 10	4647 10
2839 8		3576 10		4125 10	4668 10
2859 10		3595 10		4142 10	4682 10
2868 10		3625 10		4157 10	4706 10
2889 10		3646 10		4182 10	4720 10
2901 10		3656 10		4195 10	4736 10
2977 10		3685 10		4232 10	4759 10
2993 10		3715 10		4245 10	4778 10
3036 8		3728 10		4264 10	4795 10
3074 10	3	3746 10		4290 10	4808 10
3090 10		3777 10		4304 10	4822 10
3137 10		3796 10		4320 10	4848 10
3159 10		3808 10		4335 10	

[†] From **1967Br10** for $\Delta\text{E}=10$ and from **1957Ma23** for $\Delta\text{E}<10$.

[‡] From DWBA analysis of $\sigma(\theta)$ data, **1966Mc10**.

[#] From DWBA analysis of $\sigma(\theta)$ data, **1969An34**.