^{64}Zn(p,α) 1967Br10,1976Gu08

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Kazimierz Zuber, Balraj Singh	NDS 125, 1 (2015)	25-Jan-2015

1967Br10: E(p)≈11.5 MeV. Magnetic spectrograph, FWHM=20 keV, enriched target.
1976Gu08: E(p)=23.3-42.4 MeV. ΔE-E semi telescope, FWHM=120 keV, enriched target, studied energy dependence of $\sigma(\theta)$. DWBA fits to $\sigma(\theta)$ rather poor. Data for g.s., 968 and 1306+1393 doublet.

^{61}Cu Levels

E(level)[†]	L[‡]	E(level)[†]	E(level)[†]	E(level)[†]
0	(1)	1947 *15*	2595 *15*	2994 *15*
478 *15*		2081 *15*	2615 *15*	3010 *15*
968 *15*	(3)	2192 *15*	2673 *15*	3037 *15*
1306 *15*	(3)[#]	2287 *15*	2706 *15*	3056 *15*
1393 *15*	(3)[#]	2330 *15*	2721 *15*	3083 *15*
1652 *15*		2353 *15*	2785 *15*	3191 *15*
1726 *15*		2392 *15*	2834 *15*	3249 *15*
1897 *15*		2466 *15*	2849 *15*	
1927 *15*		2574 *15*	2917 *15*	

[†] From 1967Br10.
[‡] From DWBA analysis of $\sigma(\theta)$ (1976Gu08).
[#] Combined value from analysis of 1306+1393 (listed as 1340 in 1976Gu08) unresolved doublet.