
 $^{67}\text{Zn}(\text{t,p})$ **1972Hu06**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	C. D. Nesaraja	NDS 115, 1 (2014)	31-Jul-2013

1972Hu06: E $\approx$ 12 MeV tritons on ^{67}Zn target with $J^\pi=5/2^-$. Multigap spectrograph with resolution (FWHM)=20 keV used. Measured $\Sigma(\theta)$ with $\theta(\text{c.m.})=5^\circ-50^\circ$. DWBA (modified version AWRE code) analysis.

 ^{69}Zn Levels

E(level)	J^π [†]	L [‡]	E(level)	L [‡]	E(level)	J^π [†]	L [‡]	E(level)
0		2	1409? <i>10</i>		1833 <i>10</i>		2	2210? <i>10</i>
445 <i>10</i>		(5)	1455 <i>10</i>	2	1885? <i>10</i>		2	2260 <i>10</i>
527 <i>10</i>	$5/2^-$	0	1625 <i>10</i>		1978 <i>10</i>			
1007? <i>10</i>		2	1761? <i>10</i>		2026 <i>10</i>	$5/2^-$	0	
1180 <i>10</i>	$5/2^-$	0	1791 <i>10</i>	2	2085 <i>10</i>	$5/2^-$	0	

[†] From L transfer, with the assumption that the transferred neutrons couple to S=0.

[‡] From DWBA analysis.