

${}^{62}\text{Ni}(p,t)$ 1974Ko08

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli		NDS 114, 1849 (2013)	31-Dec-2012

E(p)=46.5 MeV. Measured $\sigma(\theta)$, $\theta(\text{c.m.})\approx 15^\circ$ to 65° . Enriched target (99%), ΔE -E telescope, FWHM= 50 keV (1974Ko08).

E(p)=26.8 MeV. Measured $\sigma(\theta)$, $\theta(\text{c.m.})\approx 2^\circ$ to 60° . Magnetic spectrograph, FWHM \approx 40 keV. Enriched target (99%) (1978Bu07,1976Sc21).

For comparison of analyzing power, Ay versus θ , with first and second order DWBA, see 1984Ii01.

For the study of double-hole isobaric analog states, see 1984Ka07.

For systematics on g.s. transition strength of (p,t) reactions, see 1985Mi06.

Others: 1980Or04, 1982ToZW.

For theoretical analysis of data in 1978Bu07, see 1987Dr11.

 ${}^{60}\text{Ni}$ Levels

E(level)	L	E(level)	L	E(level)	L	E(level)	L
0.0	0	3740 [†] 15		5510 30	(2)	8070 [†] 30	
1332 15	2	3890 15		5770 [†] 30	(6)	8430 30	3
2159 15	2	4031 15	3	5920 30	4	8670 [†] 30	
2283 15	0	4340 15	(0)	6070 30	(4)	11120 30	
2503 15	4	4475 [†] 15		6250 30		11210 [‡] 30	2
2625 [#]		4957 15	4	6400 30	(3)	11750 30	(2)
3111 15	4	5120 30	4	6770 30	(3)	11950 [‡] 30	(4)
3259 15	2	5250 30		7110 30	(2)	13760 30	(0)
3386 15	2	5440 30	2	7290 30	(2)	14670 30	(4)

[†] Probable multiplet.

[‡] Possible IAS of ${}^{60}\text{Co}$ 58 and 1006 levels from energy and J^π .

[#] From 1976Sc21, 1978Bu07.