

$^{60}\text{Ni}(t,p),(pol\ t,p)$ 1971Da16

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Alan L. Nichols, Balraj Singh, Jagdish K. Tuli		NDS 113, 973 (2012)	15-Apr-2012

1971Da16: E=12.12 MeV, multigap spectrograph, $\sigma(\theta)$.

1980A111: E=17 MeV, polarized beam, magnetic spectrometer, FWHM=40 keV, DWBA predictions of $\sigma(\theta)$ and analyzing power studied.

All data are from 1971Da16.

 ^{62}Ni Levels

E(level)	L [‡]	Relative yield	E(level)	L [‡]	Relative yield	E(level)	L [‡]	Relative yield
0.0	0	100 5	3979 10		1.3 1	5005 10		
1178 10	2	11.5 6	4059 10		1.2 1	5023 10		15 1
2055 10	0	3.1 2	4159 10		6.2 3	5154 10	(2+4)	2.0 1
2308 10	2	1.3 1	4312 10			5295 10		4.6 2
2341 10	4	2.0 1	4420 10			5340 10	(3)	2.6 1
2887 10		0.30 5	4463 10			5427 10		
3041 [†]			4505 10		0.70 14	5459 10		
3155 10	2	2.7 1	4631 10	0	3.9 2	5538 10		
3263 10	#	9.9 [#] 5	4660 10		3.1 2	5573 10		
3277 10	#	9.9 [#] 5	4715 10			5640 10	3	14 2
3519 10	2	1.6 2	4792 10			5690 10		
3758 10	3	16 1	4870 10		4.4 2			
3857 10	@	8.6 4	4982 10					

[†] Weakly excited state adjacent to Si impurity peak.

[‡] From comparison of $\sigma(\theta)$ to states of known J^π .

L=(2+4) for the combined distribution of the 3263 and 3277 level. Yield is for 3263+3277.

@ L=(0+?).