

$^{29}\text{Si}(t,p)$  1961HiZZ,1964Mi06

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh		NDS 184, 29 (2022)	24-Jun-2022

$J^\pi(^{29}\text{Si g.s.})=1/2^+$ .

1961HiZZ: E=5.9 MeV. Measured proton energies.

1964Mi06: E=10 MeV, Aldermaston tandem accelerator and multi-channel magnetic spectrograph. Measured angular distributions and proton spectrum. Comparison with plane wave double stripping theory.

 $^{31}\text{Si}$  Levels

E(level) <sup>†</sup>	L <sup>‡</sup>	Comments
0	2	<a href="#">Additional information 1.</a>
754 10	0	<a href="#">Additional information 2.</a>
1692 10		
2314 10		
2799 10		
3141 10		
3534 10		
3877 10		
4264 10		
4386 10		
4688 10		
4716 10		
4940 10		
4964 10		
5272 10		
5312 10		
5439 10		
5594 10		
5605 10		
5655 10		
5675 10		
5730 10		
5816 10		
5868 10		
5955 10		
5982 10		
6068 10		
6107 10		
6248 10		
6340 10		
6450 10		
6468 10		
6576 10		
6650 10		
6810 10		
6874 10		

<sup>†</sup> From [1961HiZZ](#).

<sup>‡</sup> From comparisons of measured  $\sigma(\theta)$  with calculations using plane-wave double-stripping theory ([1964Mi06](#)).