

$^{46}\text{Ti}(d, ^6\text{Li})$ 1975Me01

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen [#] and Balraj Singh		NDS 135, 1 (2016)	31-May-2016

Target ^{46}Ti g.s. $J^\pi=0^+$.

1975Me01: E=28 MeV deuteron beam was produced at the Princeton AVF cyclotron. Target of 82.4% enriched ^{46}Ti on carbon backing. ^6Li particles were detected in a three-detector telescope of ΔE (35 μm), E (500 μm), and anti-coincidence detectors, FWHM=100 keV. Measured $\sigma(\theta)$. Deduced levels, L, spectroscopic factors from DWBA analysis.

 ^{42}Ca Levels

E(level) [†]	L	$\sigma(\text{exp})/\sigma(\text{DWBA})^{\ddagger}$
0	0	0.015
1524	2	0.0023
1837	0	0.0028

[†] Rounded values from Adopted Levels.

[‡] Uncertainty is less than 30%.