

$^{28}\text{Si}(^6\text{Li},^6\text{Li}')$ 2009Ch33

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia		NDS 114, 1189 (2013)	1-Apr-2013

Target: natural Si; Projectile: ^6Li , E=240 MeV; measured particle spectra, cross sections and angular distributions using the multipole-dipole-multipole spectrometer (MDM) at Texas A&M. ^6Li beam from the K500 superconducting cyclotron. Deduced E0, E1, E2 and E3 giant resonances and widths.

 ^{28}Si Levels

E(level) [†]	J ^π [†]	Comments
1779.030 11	2 ⁺	B(E2)=0.0229 23 is derived using deformed potential model and another B(E2)=0.0318 32 using deformed double-folding model.
6887.65 10	3 ⁻	B(E3)=0.00135 14 is derived using deformed potential model and another B(E3)=0.00311 31 using deformed double-folding model.

[†] From Adopted Levels.