

$^{40}\text{Ca}(^7\text{Li},^6\text{He})$ [1986Sa19,2000Yo09](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	C. D. Nesaraja, E. A. Mccutchan		NDS 133, 1 (2016)	30-Sep-2015

[1986Sa19](#): $E(^7\text{Li})=34$ MeV. Measured $\sigma(\theta)$ using cooled array of three ΔE -E silicon surface barrier detector telescopes; DWBA analysis.

[2000Yo09](#): $E(^7\text{Li})=50$ MeV/nucleon. Measured ^6He at 0° in the focal plane of the A1200 spectrometer. Focal plane detectors consisted of two position sensitive silicon detectors followed by a plastic scintillator. An array of eight silicon detectors was used to detect charged particles in coincidence with the ^6He .

 ^{41}Sc Levels

E(level) [†]	J π [‡]	L [†]	C ² S [†]	Comments
0.0	7/2 ⁻	3	0.75	
1718 20 5040	3/2 ⁻	1	0.55	E(level): from 2000Yo09 . configuration=1g _{9/2} (2000Yo09).

[†] From [1986Sa19](#), except where noted.

[‡] From the Adopted Levels.