

${}^{40}\text{Ca}({}^7\text{Li}, {}^6\text{Li})$ [1986Sa19,1984Ec01](#)

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 from FSU Super Tandem Van de Graaff accelerator. Reaction products detected with an array of three E- ΔE silicon surface-barrier detector telescopes. Measured $\sigma(\theta)$. Finite range DWBA analysis (DAISY code).

[1984Ec01](#): $E({}^7\text{Li})=45$ MeV from ANU 14UD tandem accelerator. Reaction products detected with ENGE split-pole magnetic spectrograph and focal-plane detector. Measured $\sigma(\theta)$. DWBA analysis (DAISY code).

 ${}^{41}\text{Ca}$ Levels

E(level)	J^π [†]	C^2S	Comments
0	$7/2^-$	0.94	C^2S : 0.81 (1984Ec01).
1940	$3/2^-$	0.57	C^2S : 0.63 (1984Ec01).
2460	$3/2^-$	0.20	C^2S : 0.21 (1984Ec01).
3940	$1/2^-$	0.65	

[†] From Adopted Levels.