

$^{40}\text{Ca}(n,^3\text{He})$ [1984Mi04](#)

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Jun Chen	NDS 152, 1 (2018)	30-Sep-2017

[1984Mi04](#): E=14.6 MeV neutron was produced via the $^3\text{H}(d,n)$ reaction with 150 keV deuterons. Target was 2.4 mg/cm² calcium fluoride on an aluminum foil. Reaction products were detected with a counter telescope of three proportional counters and a large semiconductor E detector. Measured $\sigma(\theta)$. Deduced L for ground state from DWBA analysis.

 ^{38}Ar Levels

<u>E(level)</u>	<u>L</u>	<u>$d\sigma/d\Omega(0^\circ)$ (mb/sr)</u>	<u>Comments</u>
0	0	0.28	$d\sigma/d\Omega(0^\circ)$ (mb/sr): 1984Mi04 give 0.26 mb 5 for the integrated cross section between 0° and 50°.