

<sup>40</sup>Ca(n,d),(n,np)    [1968Mi02,1968Ka05](#)

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Jun Chen	NDS 149, 1 (2018)	1-Jan-2018

[1968Mi02](#) (also [1967An07](#)): (n,d) E=14.4 MeV neutron beam was produced via <sup>3</sup>H(d,n) reaction with deuteron beam from the Cockcroft-Walton 200-keV accelerator at the Institute “Ruder Boskovic”. Target was an 8 mg/cm<sup>2</sup> foil of natural calcium on a gold backing. Charged particles were detected with a combination of three gas (CO<sub>2</sub>) proportional counters and a CsI(Tl) scintillator. Measured  $\sigma(\theta)$ ,  $\theta=0^\circ-90^\circ$ . Deduced levels, L, spectroscopic factors from DWBA analysis.

[1968Ka05](#): (n,np) E=14.1 MeV. Measured  $\sigma(E_p,\theta)$  of proton groups.

<sup>39</sup>K Levels

<u>E(level)</u>	<u>L</u>	<u>S</u>	<u>Comments</u>
0	2	5.6	L,S: from <a href="#">1968Mi02</a> .
2800			E(level): unresolved multiplet: 2530+2820+3020 ( <a href="#">1968Mi02</a> ).