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 ${}^{37}\text{Cl}({}^3\text{He},n)$  **1972Bb01**

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<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

$J^\pi({}^{37}\text{Cl g.s.})=3/2^+$ .

**1972Bb01**: E=13 MeV  ${}^3\text{He}$  beam was produced from the 7-MV Van de Graaff at Frankfurt University. Target was 0.5 mg/cm<sup>2</sup> KCl (54.6% in  ${}^{37}\text{Cl}$ ). Neutrons were detected with two plastic scintillators. Measured  $\sigma(\theta)$ . Deduced L-transfer from DWBA analysis for ground state.

 ${}^{39}\text{K}$  Levels

<u>E(level)</u>	<u>L</u>	<u><math>d\sigma/d\Omega</math> (0°) mb/sr</u>
0	0	0.4