

$^{39}\text{K}(^3\text{He,t})$ 1970Sc03

<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

$J^\pi(^{39}\text{K g.s.})=3/2^+$.

1970Sc03: E=23 MeV ^3He beam was produced from the Stanford University FN Tandem Van de Graaff. Tritons were detected and identified by an E-E counter telescope (FWHM=60 keV). Measured $\sigma(\theta)$. Deduced levels,

 ^{39}Ca Levels

<u>E(level)</u>	<u>relative yield[†]</u>	<u>Comments</u>
0	300	
2470	150	intensity relative to g.s. is the same At 15°.
2800	55	
3600	90	
3950	100	
4020	60	
4320	60	
5070 [‡]	60 [‡]	
5130 [‡]	60 [‡]	
5400	120	
5480	100	

[†] Relative yield at 35 °; read off from Figure 2 in 1970Sc03.

[‡] 5070 and 5130 are unresolved. Yield is for 5070+5130.