

$^{40}\text{Ca}(\alpha,\alpha'\text{p})$ 1987Sa01,1982Zw01,1979Br02

<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

1987Sa01, 1982SaZU: E=139.2 MeV alpha beam was produced from the University of Maryland Isochronous Cyclotron.

Charged-particles were detected with two ΔE -E solid state detector telescopes. Measured $\sigma(\theta)$, $\alpha p(\theta)$. Deduced levels, spectroscopic factors from DWIA analysis for 0, 2500 levels.

Others:

1982Zw01: E=120 MeV. Measured $\alpha p(\theta)$, $\alpha\alpha(\theta)$, $\sigma(\theta)$. Deduced giant resonances in ^{40}Ca .

1979Br02: E=96.8 MeV. Measured $\sigma(\theta)$. Deduced proton pickup to unbound states.

1977Yo01: E=115 MeV. Measured $\sigma(\theta)$. $\alpha p(\theta)$. Deduced giant resonances in ^{40}Ca .

 ^{39}K Levels

<u>E(level)</u>	<u>S[†]</u>
0.0	10.80
2520	2.86

[†] From 1987Sa01.