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 $^{40}\text{Ar}(\text{p}, ^3\text{He})$  [1970Ha10](#)

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<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

[1970Ha10](#): E=45.0 MeV proton beam was produced from the Berkeley 88-in. cyclotron. Target was  $^{40}\text{Ar}$  gas. Reaction products were detected with two  $\Delta E$ -E telescopes of silicon detectors (FWHM-130 keV). Measured  $\sigma(\theta)$ . Deduced levels, L-transfer from DWBA analysis.

 $^{38}\text{Cl}$  Levels

<u>E(level)</u>	<u>L</u>	<u>Comments</u>
0		
671		
1790		
1999		
2752		
8216 25	0	T=3, deduced from measured $\sigma(\text{p,t})/\sigma(\text{p}, ^3\text{He})=0.36$ 4, compared to the calculated value of 0.35 for T=3 ( <a href="#">1970Ha10</a> ).