
 $^{36}\text{Ar}(\alpha, ^2\text{He})$ 1978Ja10

<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

1978Ja10 (also 1980StZO thesis): E=65 MeV alpha beam was produced from the 88-inch cyclotron at Lawrence Berkeley Laboratory. Target was argon gas. Reaction products were detected by two large solid-angle ΔE -E counter telescopes of Si(Li) detectors. Measured proton pair energies using time-of-flight. Deduced levels.

 ^{38}Ar Levels

<u>E(level)</u>	<u>relative intensity</u>
0	10
2170	10
3810	20
4590	70
5660	40
6410	100