

$^{40}\text{Ca}(\text{pol P,Pa})$ 2008Ne04

<u>Type</u>	<u>Author</u>	<u>History</u>	<u>Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Ninel Nica, John Cameron and Balraj Singh		NDS 113, 1 (2012)	31-Dec-2011

E=100 MeV. Measured $p\alpha$ coin and analyzing powers at iThemba lab facility. The polarimeter consisted of CH_2 target and two NaI(Tl) detectors. The protons were detected with a QDD magnetic spectrometer and the α particles by ΔE -E detector telescope. The p - α scattering angles used were 64.8° to 103.2° in c.m. system. DWIA and PWIA analyses. The DWIA theory reproduces experimental cross section distributions studied in an earlier work but does not agree with analyzing powers studied in this work.

 ^{36}Ar Levels

<u>E(level)</u>	<u>J^π</u>
0	0^+
1970	2^+