

${}^{48}\text{Ca}(\pi^+, \pi^-)$ 1987Ka45

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Jun Chen	NDS 179, 1 (2022)	30-Nov-2021

[1987Ba14](#): E=35 MeV measured $\sigma(\theta=20^\circ \text{ to } 80^\circ)$ for the double-isobaric-analog-state transition; focal-plane scin, x-y drift chambers.

[1987Ka45](#): E=130, 180, 235, 292 MeV. See ${}^{48}\text{Ti}(\pi^+, \pi^-)$ for experimental details. Deduced ratios of analog and non-analog transitions. Pion double-charge exchange models.

[1991Wi03](#): E=300-550 MeV. Measured $\sigma(E(\pi^-), \theta=5^\circ)$; large acceptance spectrometer. Deduced two-amplitude model parameters.

[1992Le16](#): E=25-65 MeV. Measured $\sigma(\theta)$. Deduced energy dependence.

All data are from [1987Ka45](#).

 ${}^{48}\text{Ti}$ Levels

<u>E(level)</u>
0.0
1.740×10^4 15