

$^{40}\text{Ca}(\pi^+, \pi^-)$ [1997Fo09](#), [1995Si01](#), [1990Mo02](#)

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Jun Chen	NDS 140, 1 (2017)	30-Sep-2015

In most of the following studies, $\sigma(\theta)$ were measured for the excitations of nonanalog g.s. in ^{40}Ti deduced in a double charge-exchange reaction.

[1997Fo09](#): E=45-90 MeV, measured $\sigma(\theta)$, deduced g.s. transitions resonance structure.

[1995Si01](#): E=32-79.26 MeV, measured $\sigma(\theta)$, deduced core polarization.

[1991Wa04](#), [1982Mo12](#): E=164 MeV. Measured $\sigma(\theta)$.

[1991Mo05](#), [1990Mo02](#): E=295 MeV, measured $\sigma(\theta)$, deduced double- isovector GDR.

[1989Gr06](#): E=180, 240 MeV. Measured total σ .

[1985Mo18](#), [1983BI08](#): E=120-210 MeV, measured $\sigma(\theta)$.

[1983BI08](#): E=120-210 MeV. Measured σ .

[1981KaZW](#): E=175-310 MeV. Measured $\sigma(\theta)$.

[1979Da16](#): E=290 MeV. Measured σ .

[1979LaZK](#): E=291 MeV. Measured $\sigma(\theta)$.

[Additional information 1](#).

 ^{40}Ti Levels

<u>E(level)</u>	<u>J$^\pi$</u>	<u>Comments</u>
0	0 ⁺	$d\sigma/d\Omega=0.60 \mu\text{b/sr}$ 16 at E(π^+)=64.19 MeV and 30° (1995Si01).