

$^{48}\text{Ca}(p,X)$ res: general

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
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Only data relevant to the nuclear structure properties of ^{49}Ca parent states or bound states of ^{49}Sc or complementing the ($^3\text{He},d$) and (α,t) data of [1980Fo11](#) and [1980Fo12](#) are compiled below. For a more complete summary of the pre-1978 measurements and a comparison of the results see [1978Ha15](#). Other measurements for (p,γ) include [1979Ke01](#) ($E=0.76-2.00$ MeV, $\sigma(E)$) and [1979Zy01](#) ($E=0.58-2.67$ MeV, $\sigma(E)$, $\langle\sigma_{\text{mag}}\rangle$). Both groups performed statistical-model analyses.

The following reactions have been used in the resonance studies:

- ^{49}Ca g.s. IAR: (p,γ), (p,p), ($p,n\gamma$), and ($d,n\gamma$)
- ^{49}Ca other IAR's: (p,γ), (p,p), and (p,p')
- ^{49}Ca non-IAR res's: (p,γ), (p,p), (p,n), and ($p,n\gamma$)