

${}^{40}\text{Ca}({}^{14}\text{N}, {}^{15}\text{C})$ [1988Wo07](#)

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Jun Chen	NDS 149, 1 (2018)	1-Jan-2018

[1988Wo07](#): E=102.5 MeV ${}^{14}\text{N}$ beam was from the 14UD pelletron accelerator at the Australian National University. Target was 65 $\mu\text{g}/\text{cm}^2$ ${}^{40}\text{Ca}$ on a 24 $\mu\text{g}/\text{cm}^2$ carbon backing. Reaction products were momentum-analyzed in an Engel split-pole spectrometer. Measured σ . Deduced Q-value=-27670 30.

 ${}^{39}\text{Sc}$ Levels

<u>E(level)</u>	<u>J$^{\pi}$</u>	<u>Comments</u>
0	(7/2 ⁻)	J $^{\pi}$: from Adopted Levels.
950? 40	(3/2 ⁻)	J $^{\pi}$: systematics of neighbouring nuclei (1988Wo07).