
 $^{48}\text{Ca}(^{16}\text{O}, ^{14}\text{N})$ **1978Ko01**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh		NDS 157, 1 (2019)	15-Apr-2019

1978Ko01: $E(^{16}\text{O})=56$ MeV beam from the Argonne FN tandem Van de Graaff. Enriched target. Measured $\sigma(\theta=4^\circ-70^\circ)$ and σ with a ΔE -E TOF telescope (FWHM ≈ 200 keV). DWBA analysis.

 ^{50}Sc Levels

<u>E(level)[†]</u>	<u>Jπ[‡]</u>	<u>σ (mb)[#]</u>
0	(5 ⁺)	0.147
330	(3 ⁺)	0.089
756	(4 ⁺)	0.032
1854	(1 ⁺)	0.023

[†] **1978Ko01** take values from **1969Oh01**.

[‡] From **1978Ko01**, based on their $\sigma(\theta)$ measurements and comparison with DWBA calculations.

[#] Integrated cross section.