

⁴⁸Ca(μ ,x γ) 2003Fy03

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. Ota and E. A. Mccutchan		NDS 203,1 (2025)	1-Apr-2025

2003Fy03: Performed at the μ E4 area of PSI, Switzerland. 3.31 grams of 73% enriched CaCO₃. Events where μ 's were stopped in the target selected by three photomultipliers. Measured E γ , γ (t) (HPGe). 30-hour measurement. Lifetime for capture deduced to be 599 ns 3 leading to a capture rate of 1.214 \times 10⁶ 8 per second.

⁴⁷K Levels

All data from the Adopted Levels. Energies are rounded values.

E(level)	J π
0	1/2 ⁺
360	3/2 ⁺

γ (⁴⁷K)

E γ	E _i (level)	J π_i	E _f	J π_f
360	360	3/2 ⁺	0	1/2 ⁺

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Level Scheme

