^{42}Ca(^{48}Ti,^{46}Ti) 1986Br06,1988Br02

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen, Balraj Singh and John A. Cameron	NDS 112, 2357 (2011)	31-Jul-2011

1986Br06,1988Br02: ^{42}Ca(^{48}Ti,^{46}Ti) E(^{48}Ti)=385 MeV beam produced from the UNILAC of GSI, Darmstadt, using the QQDQ magnetic spectrometer. Targets of ^{42}Ca (230 μg/cm^2, enriched to 99.4%) on a 32 μg/cm^2 carbon backing. Scattered nuclei identified using time-of-flight, position in the focal plane and ΔE-E information. Measured σ(E,θ). Two-neutron transfer.

A peak at ≈18 MeV in ^{44}Ca+^{46}Ti system may correspond to a 6^+ level in ^{44}Ca.