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

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh	NDS 190,1 (2023)	20-Jun-2023

1986Br06,1988Br02: E=385 MeV ^{48}Ti beam was produced from the UNILAC of GSI, Darmstadt. Targets were 230 μg/cm^2 ^{42}Ca (enriched to 99.4%) on a 32 μg/cm^2 carbon backing. Scattered nuclei were momentum-analyzed with the QQDQ magnetic spectrometer and detected with focal-plane detectors.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.