^{52}Ti

Williams et al. discovered ^{52}Ti in "The (t,p) and (t,α) Reactions on ^{48}Ca and ^{50}Ti" in 1966 (1966Wi11). Tritons were accelerated to 7.5 MeV by the Los Alamos Van de Graaff Accelerator and bombarded a ^{50}Ti target. ^{52}Ti was produced in the (t,p) reaction and identified by measuring protons in a E-ΔE solid-state detector system. "For the ^{50}Ti$(t,p)^{52}$Ti reaction, Q_0 was found to be 5.698 $\pm$ 0.010 MeV." An earlier report of a 49(3) m half-life (1966Fa04) has not been confirmed.

Adapted from reference (2011Me01)

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