

^{117}Tc

^{117}Tc was discovered by Bernas et al. in 1997, as reported in “Discovery and Cross-Section Measurement of 58 New Fission Products in Projectile-Fission of 750-A MeV ^{238}U ” (1997Be70). The experiment was performed using projectile fission of ^{238}U at 750 MeV/nucleon on a beryllium target at GSI in Germany. “Fission fragments were separated using the fragment separator FRS tuned in an achromatic mode and identified by event-by-event measurements of ΔE -B ρ -ToF and trajectory.” During the experiment, 3 individual counts for ^{117}Tc were recorded.

Adapted from reference (2012Ny02)

1997Be70 M. Bernas, C. Engelmann, P. Armbruster, S. Czajkowski *et al.*, Phys. Lett. B **415**, 111 (1997).

2012Ny02 A. Nystrom and M. Thoennessen, At. Data Nucl. Data Tables **98**, 95 (2012).

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