^{215}U

Yang et al. discovered ^{215}U in "Alpha decay of the new isotope ^{215}U" in 2015 (2015Ya13). A 205.5 MeV ^{40}Ar beam accelerated by the sector focusing cycltron of the Heavy Ion Research Facility in Lanzhou, China, impinged in an enriched 481 μg/cm^2 ^{180}W target. ^{215}U was formed in the 4n evaporation reaction ^{180}W(^{40}Ar,5n) and identified with the gas-filled recoil separator SHANS. The evaporation residues were detected in a position-sensitive strip detector (PSSD). Correlated α particles were recorded in the PSSD and eight silicon side detectors. "The α-particle energy and half-life of ^{215}U were determined to be 8.428(30)MeV and $0.73^{+1.33}_{-0.29}$ ms, respectively." Previously, ^{215}U had been reported in two annual reports (2014WaZU, 2015WaZT).

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