^{221}U

Khuyagbaatar et al. described the discovery of ^{221}U in the 2015 paper "New Short-Lived Isotope ^{221}U and the Mass Surface Near N = 126" (2015Kh09). ^{50}T beams between 231 and 255 MeV from the UNILAC at GSI bombarded $^{176}YbF_3$ targets at the gas-filled Trans Actinide Separator and Chemistry Apparatus (TASCA) at GSI to form ^{221}U in the fusion evaporation reaction ^{176}Y(^{50}Ti,5n). "The new isotope ^{221}U was identified in α-decay chains starting with E_α = 9.71(5) MeV and $T_{1/2}$ = 0.66(14) μs leading to known daughters."

Adapted from reference (2016Th03)

2015Kh09 J. Khuyagbaatar, A. Yakushev, Ch. E. Dullmann, D. Ackermann *et al.*, Phys. Rev. Lett. **115**, 242502 (2015).

2016Th03 M. Thoennessen, Int. J. Mod. Phys. E **25**, 1630004 (2016).

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