^{97}Nb

^{97}Nb was identified by Katcoff and Finkle in the 1951 paper "Energies of Radiations of 17h Zr^{97} and 75m Nb^{97}" (1951KaZX). ^{239}Pu was irradiated at the Argonne Heavy-Water Pile and β- and γ-rays were measured following chemical separation. "The maximum β energies of 17h Zr^{97} and 75m Nb^{97} as obtained by Feather analysis of the aluminum absorption curves are 2.2 and 1.4 Mev, respectively." Technically, the first refereed publication was by Burgus et al. in 1950 (1950Bu54), however, as participants of the Plutonium Project, they had access and gave credit to the work of Katcoff and Finkle. In addition to the ground state, Burgus et al. measured a 60 s isomer.

Adapted from reference (2012Ny02)

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