^{135}Pr

"Neutron-deficient activities of praseodymium" was published in 1954 by Handley and Olson documenting their observation of ^{135}Pr (1954Ha68). An enriched ^{136}Ce target was bombarded with 22.4 MeV protons from the Oak Ridge 86-inch cyclotron. Beta-decay curves and γ-ray spectra were measured following chemical separation. "In another bombardment of enriched Ce^{136} with 22.4-Mev protons the praseodymium fraction from an initial separation was permitted to decay; then, after a second separation, 22-hr Ce^{135} was found to be present in the cerium fraction. Thus, the 22-min activity is the parent of Ce^{135} and is assigned to Pr^{135}."

Adapted from reference (2012Ma48)

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