

^{113}Xe

In the 1973 paper “Beta-delayed proton emitter ^{113}Xe ”, Hagberg et al. reported the discovery of ^{113}Xe ([1973Ha37](#)). A hydrous cerium oxide target was bombarded with 600 MeV protons from the CERN synchrocyclotron. ^{113}Xe was separated with the ISOLDE separator and subsequent proton emission was measured in Ilford K2 emulsion plates. “The proton energy spectrum measured for ^{113}Xe is shown in [the figure]. It is very similar to that of ^{115}Xe , but the half-life shown in the inset ($T_{1/2}=2.8\pm 0.2$ sec) clearly demonstrates that any contribution from ^{115}Xe must be negligibly small.”

Adapted from reference ([2013Ka01](#))

[1973Ha37](#) E. Hagberg, P. G. Hansen, B. Jonson, B. G. G. Jorgensen *et al.*, Nucl. Phys. A **208**, 309 (1973).

[2013Ka01](#) J. Kathawa, C. Fry, and M. Thoennessen, At. Data Nucl. Data Tables **99**, 22 (2013).

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