^{212}Fr

In 1950, Hyde et al. reported the first observation of ^{212}Fr in the paper "Low mass francium and emanation isotopes of high alpha-stability" (1950Hy27). Thorium foils were bombarded with up to 350 MeV protons from the Berkeley 184-inch cyclotron. ^{212}Fr was chemically separated and alpha spectra were measured with an ionization chamber. "Fr^{212}, with an apparent half-life of 19.3 minutes for branching decay by alpha-emission (44 percent) to At^{208} and by orbital electron-capture (56 percent) to Em^{212}, has been found."

Adapted from reference (2013Fr09)

1950Hy27 E. K. Hyde, A. Ghiorso, and G. T. Seaborg, Phys. Rev. **77**, 765 (1950).
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