^{14}Be

In 1973, ^{14}Be was discovered by Bowman et al. in "Discovery of Two Isotopes, ^{14}Be and ^{17}B, at the Limits of Particle Stability" (1973Bo30). A uranium target was bombarded with 4.8 GeV protons from the Berkeley Bevatron and fragments were identified by Δ-E/E, and time-of-flight measurements in a silicon telescope. "Two new isotopes, ^{14}Be and ^{17}B, were observed to be particle stable, and two others, ^{12}Li and ^{16}B, were shown to be particle unstable. The new isotope ^{17}B recently had been predicted to be particle stable, but the observation of ^{14}Be was surprising because it was thought to be unstable on the basis of both theoretical predictions and previous experimental results." An earlier report of the instability of ^{14}Be (1970Ar27) was thus not confirmed.

Adapted from reference (2012Th01)

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Please cite this abstract as: "FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:10.11578/frib/2279152"