^{229}Ac

In "Preparation of Ra^{229} and Ac^{229}" Depocas and Harvey reported the discovery of ^{229}Ac in 1952 (1952De01). ^{228}Ra was irradiated with neutrons in the Chalk River NRX pile. Beta-decay curves were measured with an end-window Geiger tube following chemical separation. "Periods of 66±5 minutes and about 6.1 hours, attributed to Ac^{229} and Ac^{228}, respectively, were observed." Previous half-life assignments of 11 min (1935Ha09), 10−12 min (1935Cu01), 18 min, 3.5 h, 20−30 h (1938Me04) to ^{229}Ac were incorrect.

Adapted from reference (2013Fr03)

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