^{21}F

^{21}F was discovered in 1955 by Jarmie in "Mass Measurement and Excited States of F^{21}" (1955Ja32). CaF_2 and PbF_2 targets were bombarded with 1.82 MeV tritons from one of the Los Alamos 2.5 MeV Van de Graaff accelerators and ^{21}F was identified by analyzing the proton ejectiles with a Cal-Tech type 16-inch double-focusing magnetic spectrometer. "We wish to report that we have experimentally determined that F^{21} is heavy-particle-stable and has a mass defect of 6.125±0.030 Mev or an atomic mass of 21.005703±0.000025 amu."

Adapted from reference (2012Th01)

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