^{90}Y

The identification of ^{90}Y was first reported by Pool et al. at the University of Michigan in the 1937 paper "A Survey of Radioactivity Produced by High Energy Neutron Bombardment" (1937Po04). The bombardment of yttrium with 20 MeV neutrons resulted in the observation of a half-life of 2.4 days which was assigned to ^{90}Y. The paper presented the results for a large number of elements and "The assignments of the periods is tentative and is based upon evidence from the sign of the emitted beta-particle, the chemical separations and known periods from other sources." The observation of ^{90}Y was also reported independently two months later by Stewart et al. (1937St01).

Adapted from reference (2012Ny02)

1937Po04 M. L. Pool, J. M. Cork, and R. L. Thornton, Phys. Rev. **52**, 239 (1937).
1937St01 D. W. Stewart, J. L. Lawson, and J. M. Cork, Phys. Rev. **52**, 901 (1937).
2012Ny02 A. Nystrom and M. Thoennessen, At. Data Nucl. Data Tables **98**, 95 (2012).

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