

⁷⁶Y

In the 2001 article “Synthesis and Halfives of Heavy Nuclei Relevant for the rp-Process,” Kienle et al. first reported the existence of ⁷⁶Y ([2001Ki13](#)). A 1 A·GeV ¹¹²Sn beam from the synchrotron SIS at GSI, Germany, bombarded a beryllium target. ⁷⁶Y was identified with the FRS fragment separator by both magnetic deflection and by measuring the energy loss and time-of-flight of the fragments. “The spectra show the previously unobserved T = −1 nuclei ⁷⁶Y (2 events) and ⁷⁸Zr (one event) and demonstrate the absence of ⁸¹Nb...”

Adapted from reference ([2012Ny02](#))

[2001Ki13](#) P. Kienle, T. Faestermann, J. Friese, H. J. Korner *et al.*, Prog. Part. Nucl. Phys. **46**, 73 (2001).

[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](https://doi.org/10.11578/frib/2279152)”