

^{126}Pr

Nitschke et al. discovered ^{126}Pr in the 1983 paper “New beta-delayed proton emitter in the lanthanide region” ([1983Ni05](#)). A ^{40}Ca beam from the Berkeley Super HI-LAC bombarded a gas-cooled ^{92}Mo target. ^{126}Pr was identified with the on-line isotope separator OASIS. “The predicted half-lives are 2 s for ^{126}Nd and 3 s for ^{126}Pr . From the longer half-life and much larger cross section, it can be concluded that the observed activity is most likely ^{126}Pr ”.

Adapted from reference ([2012Ma48](#))

[1983Ni05](#) J. M. Nitschke, M. D. Cable, and W. D. Zeitz, *Z. Phys. A* **312**, 265 (1983).

[2012Ma48](#) E. May and M. Thoennessen, *At. Data Nucl. Data Tables* **98**, 960 (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)”