

¹⁵⁵Pm

“Identification of a new isotope, ¹⁵⁵Pm, produced in ²⁵²Cf fission” was published in 1982 by Greenwood et al. from the Idaho National Engineering Laboratory in Idaho Falls reporting their observation of ¹⁵⁵Pm (1982Gr13). ¹⁵⁵Pm was identified in spontaneous fission of ²⁵²Cf by high-performance liquid chromatography. “The assignment of the 48-s activity to ¹⁵⁵Pm is based in part upon the observations of the growth of 22.4-min ¹⁵⁵Sm from a 48-s parent and in part on the fact that the 5 γ -rays could be placed in a ¹⁵⁵Sm level scheme which is consistent with that obtained recently from studies of the ¹⁵⁴Sm(n, γ) reaction.”

Adapted from reference (2012Ma48)

1982Gr13 R. C. Greenwood, R. J. Gehrke, J. D. Baker, and D. H. Meikrantz, *Radiochim. Acta* **30**, 57 (1982).

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)”