

¹⁸¹Hf

In 1935, Hevesy and Levi from the Institute of Theoretical Physics in Copenhagen identified ¹⁸¹Hf in “Radiopotassium and other artificial radio-elements” (1935He05). Hafnium was irradiated with neutrons from a beryllium-radium source and ¹⁸¹Hf was formed in the reaction ¹⁸⁰Hf(n,γ). Beta-rays were measured following chemical separation. “The disintegration of the active hafnium is much slower than that of zirconium, half of the activity acquired being lost only after the lapse of a few months.” Hevesy published a more accurate value of 55(10) d later (1938He07).

Adapted from reference (2012Gr19)

- 1935He05 G. Hevesy and H. Levi, *Nature* **135**, 580 (1935).
1938He07 G. Hevesy and H. Levi, *Kgl. Dan. Vidensk. Selsk. Mat. -Fys. Medd.* **15**, No. 11 (1938).
2012Gr19 J. L. Gross and M. Thoennessen, *At. Data Nucl. Data Tables* **98**, 983 (2012).

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