^{186}Hf

In the 1998 paper "Production and identification of a new heavy neutron-rich isotope ^{186}Hf" Yuan et al. reported the observation of ^{186}Hf at the Institute of Modern Physics of the Chinese Academy of Sciences in Lanzhou, China (1998Yu02). A 60 MeV/nucleon ^{18}O beam bombarded a natural tungsten target and ^{186}Hf was produced in multi-nucleon transfer reactions. Gamma-ray spectra were measured with a GMX HPGe detector following chemical separation. "The assignment of the new nuclide ^{186}Hf was primarily based on the time variation of the γ rays of its daughter ^{186}Ta." The reported half-life was 2.6(12) min.

Adapted from reference (2012Gr19)

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