^{197}Os

The discovery of ^{197}Os was reported in the 2003 paper "Observation of ^{197}Os" by Xu et al. from the Institute of Modern Physics of the Chinese Academy of Sciences in Lanzhou, China (2003Xu08). Natural platinum foils were irradiated with 14-MeV neutrons. ^{197}Os was produced in the reaction ^{198}Pt(n,2p) and identified by measuring γ- and X-rays. "The ten new γ-rays of 41.2, 50.7, 196.8, 199.6, 223.9, 233.1, 250.2, 342.1, 403.6, and 406.4 keV assigned to the decay of ^{197}Os were observed. The half-life of ^{197}Os has been determined as 2.8$\pm$0.6 minutes."

Adapted from reference (2012Ro36)

2003Xu08 Y. Xu, W. Yang, S. Yuan, Y. Xiao *et al.*, J. Radioanal. Nucl. Chem. **258**, 439 (2003).

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