^{178}Os

"Ground state (quasi-) rotational levels in light Os, Pt and Hg nuclei", by Burde et al., reported the first observation of ^{178}Os in 1967 (1967Bu02). A 93 MeV ^{14}N beam from the Berkeley Hilac bombarded a ^{169}Tm target and ^{178}Os was formed in the fusion-evaporation reaction ^{169}Tm(^{14}N,5n). Electron and γ-ray spectra were measured and the rotational band of ^{178}Os was observed up to the 12^+ state. "Energy levels in some neutron-deficient doubly even nuclei in the platinum region have been studied following heavy-ion reactions. Information on the ground state rotational (or quasi-rotational) bands in ^{178,180,182}Os, ^{182,184,186,188}Pt, and ^{188,190}Hg is presented." A year later Belyaev et al. reported the first half-life measurement of ^{178}Os (1968Be43).

Adapted from reference (2012Ro36)

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