^{170}Os

In the 1972 paper "Alpha-decay properties of the new osmium isotopes, ^{170}Os and ^{171}Os" Toth et al. described the discovery of ^{170}Os (1972To06). Enriched ^{156}Dy targets were bombarded with a ^{20}Ne beam with energies up to 160 MeV from the Oak Ridge isochronous cyclotron and ^{170}Os was identified by measuring α-decay spectra. "It is seen that not only do our results support the assignment of the 5.105-MeV α group to ^{172}Os, but the (^{20}Ne,5n) and (^{20}Ne,6n) curves reproduce the data points for the new α activities reasonably well. The indication then is that the 5.23- and 5.40-MeV α group are due to the decay of ^{171}Os and ^{170}Os, respectively."

Adapted from reference (2012Ro36)

1972To06 K. S. Toth, R. L. Hahn, M. A. Ijaz, and R. F. Walker Jr., Phys. Rev. C **5**, 2060 (1972).

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