^{170}Ir

Cabot et al. published the first observation of ^{170}Ir in the paper "New osmium and iridium isotopes produced through ^{63}Cu induced reactions" in 1977 (1977Ca23). Self-supporting ^{110}Cd targets were bombarded with a 380 MeV ^{63}Cu beam from the Orsay ALICE accelerator. Reaction fragments were collected with a He-jet and α-decay half-lives and decay energies were measured. "New α active osmium and iridium isotopes ^{168}Os, ^{167}Os, ^{166}Os, and ^{170}Ir have been identified by cross bombardments and excitation functions measurements." The half-life of 1.1(2) s for ^{170}Ir is listed in a table and most likely corresponds to an isomeric state (2008Ba14). The ground was then identified for the first time 25 years later by Rowe et al. (2002Ro17).

Adapted from reference (2012Ro36)

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