^{172}Ir

In the paper entitled "Alpha-active iridium isotopes", Siivola described the discovery of ^{172}Ir in 1967 (1967Si02). The Berkeley Hilac accelerated ^{19}F beams to 105−185 MeV which bombarded enriched targets of ^{162}Er, ^{164}Er, and ^{166}Er. Alpha spectra were measured with a Au-Si surface barrier counter at the end of a continuously operating recoil collection apparatus. Alpha-decay energies and half-lives are listed in a table. The measured half-life for ^{172}Ir of 1.7(5) s corresponds to an isomeric state and the ground state half-life of 4.4(3) s was reported fifteen years later by Schmidt-Ott et al. (1992Sc16).

Adapted from reference (2012Ro36)

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