^{212}At

Winn reported the observation of ^{212}At in the 1954 paper "Short-lived alpha emitters produced by ^{3}He and heavy ion bombardments" (1954Wi26). 28 MeV α particles from the Birmingham cyclotron bombarded a bismuth target forming ^{212}Bi in the reaction ^{209}Bi(α,n). The alpha activity was measured with zinc sulphide screen attached to a light guide and a magnetically shielded phototube. Results were summarized in a table, quoting an observed half-life of 0.22(3) s. Winn did not consider this observation a discovery referring to the 1948 Table of Isotopes which listed a half-life of 0.25 s based on a private communication (1948Se40).

Adapted from reference (2013Fr09)

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