^{110}In

In the 1939 article, "Proton Activation of Indium and Cadmium," Barnes reported the first observation of ^{110}In (1939Ba03). Cadmium foils were bombarded by 7.2 MeV protons from the University of Rochester's cyclotron and decay curves were measured with an ionization chamber. "The positron activity with half-life of 65±5 min. has not been previously reported... In^{106}, In^{108} and In^{110} must be positron emitters, and since Cd^{110} is ten times as abundant as either Cd^{106} or Cd^{108} this activity is tentatively assigned to In^{110}." The half-life corresponds to an isomeric state and the ground state half-life (5 h) was measured twelve years later by McGinnis (1951Mc11).

Adapted from reference (2011Am01)

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