

^{153}Sm

The first detection of ^{153}Sm was reported in 1938 by Pool and Quill in “Radioactivity induced in the rare earth elements by fast neutrons” ([1938Po05](#)). Fast and slow neutrons were produced with 6.3 MeV deuterons from the University of Michigan cyclotron. Decay curves were measured with a Wulf string electrometer. “These data strongly suggest that the 21-min. period should be assigned to Sm^{151} and the 46-hr. period to Sm^{153} .”

Adapted from reference ([2013Ma01](#))

[1938Po05](#) M. L. Pool and L. L. Quill, Phys. Rev. **53**, 437 (1938).

[2013Ma01](#) E. May and M. Thoennessen, At. Data Nucl. Data Tables **99**, 1 (2013).

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