

¹⁸³Ir

The discovery of ¹⁸³Ir was reported in 1961 by Lavrukhina et al. in “A new isotope Ir¹⁸³” (1961La05). A 660 MeV proton beam from the Joint Institute for Nuclear Studies synchrocyclotron bombarded a metallic gold target. Decay curves were measured with an end-window counter following chemical separation. “The variation of the Os¹⁸³ activity as a function of extraction time gives a half-life of Ir¹⁸³ equal to (1±0.1) hr.” Diamond et al. reported independently a half-life of 55(7) min 5 months later (1961Di04). A previously measured half-life of “not less than 5 hours” (1960Su13) was incorrect.

Adapted from reference (2012Ro36)

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- 1961Di04 R. M. Diamond, J. M. Hollander, D. J. Horen, and R. A. Naumann, Nucl. Phys. **25**, 248 (1961).
- 1961La05 A. K. Lavrukhina, T. V. Malysheva, and B. A. Khotin, Soviet Phys. Doklady **6**, 236 (1961).
- 2012Ro36 R. Robinson and M. Thoennessen, At. Data Nucl. Data Tables **98**, 911 (2012).

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