

²¹⁵Ra

The first identification of ²¹⁵Ra was reported in 1966 by Rotter et al. in the paper “The new isotope Ac²¹⁶” ([1966Ro12](#)). Lead and bismuth targets were bombarded with 80 MeV carbon ion beams from the JINR cyclotron that were degraded with aluminum foils. Recoils were collected on a foil and α particles that were ejected were registered by a silicon surface barrier detector. “We obtained the following α -particle energies: Rn²¹³-8.14 MeV, Fr²¹⁴-8.53 MeV, and Ra²¹⁵-8.73 MeV.” Rotter et al. did not consider this observation a new discovery referring to an earlier conference abstract [].

The discovery date was changed from the original assignment to credit the original Russian publication.

Adapted from reference ([2013Fr09](#))

- [1962Gr42](#) R. D. Griffioen and R. D. MacFarlane, Bull. Am. Phys. Soc. **7**, 541 K5 (1962).
[1966Ro12](#) H. Rotter, A. G. Demin, L. P. Pashchenko, and H. F. Brinckmann, Yad. Fiz. **4**, 246 (1966).
[2013Fr09](#) C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 497 (2013).

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