

²²⁹Rn

Neidherr et al. announced the discovery of ²²⁹Rn in the 2009 article “Discovery of ²²⁹Rn and the structure of the heaviest Rn and Ra isotopes from penning-trap mass measurements” (2009Ne03). A UC_X target was bombarded with 1.4 GeV protons from the CERN proton synchrotron booster accelerator. ²²⁹Rn was measured with the double Penning-trap mass spectrometer ISOLTRAP after mass separation with the on-line isotopes separator ISOLDE. “This measurement gives a half-life of $12_{-1.3}^{+1.2}$ s for a nuclide with mass number 229 then delivered to ISOLTRAP.”

Adapted from reference (2013Fr09)

2009Ne03 D. Neidherr, G. Audi, D. Beck, K. Blaum *et al.*, Phys. Rev. Lett. **102**, 112501 (2009).

2013Fr09 C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 497 (2013).

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