

^{212}Pa

In the 1997 paper “ α -decay properties of the new neutron deficient isotope ^{212}Pa ” Mitsuoka et al. announced the discovery of ^{212}Pa (1997Mi03). A 182.5 MeV ^{35}Cl beam from the JAERI-tandem accelerator bombarded a target of ^{182}W . Reaction products were separated in flight and implanted into a double-sided position sensitive silicon detector. “The reduced width W_α for the α decay of ^{212}Pa was estimated to be 33_{-19}^{+21} keV using the measured half-life of $5.1_{-1.9}^{+6.1}$ ms and Q_α value corrected with a screening effect of atomic electrons.”

Adapted from reference (2013Fr03)

1997Mi03 S. Mitsuoka, H. Ikezoe, T. Ikuta, Y. Nagame *et al.*, Phys. Rev. C **55**, 1555 (1997).

2013Fr03 C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 345 (2013).

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