

^{204}Ra

Leddy et al. reported the observation of ^{204}Ra in the 1995 paper “ α decay of a new isotope, ^{204}Ra ” (1995Le04). Beams of 164 and 170 MeV ^{28}Si were focused onto targets of ^{182}W at Argonne National Laboratory. Evaporation residues were separated with an in-flight mass separator and implanted into a silicon strip detector. “This assignment, summarized in [the table], constitutes the first observation of α decay from the ground state of ^{204}Ra with an α energy of 7.488(12) MeV and a half-life of 45^{+55}_{-21} ms.”

Adapted from reference (2013Fr09)

1995Le04 M. J. Leddy, S. J. Freeman, J. L. Durell, A. G. Smith *et al.*, Phys. Rev. C **51**, R1047 (1995).

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

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