

²²²Ra

Studier and Hyde announced the discovery of ²²²Ra in the 1948 paper “A new radioactive series - the protactinium series” (1948St42). Thorium targets were bombarded with 19 MeV deuterons and 38 MeV helium ions at the 60-inch cyclotron at the University of California Berkeley. Products were chemically separated and alpha activity was monitored. “The half-life of Ra²²² based on four such determinations is 38.0 seconds.”

Adapted from reference (2013Fr09)

1948St42 M. H. Studier and E. K. Hyde, Phys. Rev. **74**, 591 (1948).

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

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