# $^{202}$Rn

Valli et al. reported the discovery of $^{202}$Rn in the 1967 article "Alpha-decay properties of neutron-deficient isotopes of emanation" (1967Va17). Platinum, gold, mercury, and thallium targets were bombarded with $^{16}$O, $^{14}$N, and $^{12}$C beams from the Berkeley HILAC. Alpha-particle spectra were measured with a Si(AU) detector following chemical separation. "Emanation-202: ...By examination of several spectra taken at 15-sec intervals, the half-life was determined to be 13±2 sec... The excitation function leads to a mass assignment of 202..."

Adapted from reference (2013Fr09)


1967Va17 K. Valli, M. J. Nurmia, and E. K. Hyde, Phys. Rev. **159**, 1013 (1967).
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Please cite this abstract as: "FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:10.11578/frib/2279152"