^{203}Rn

Valli et al. reported the discovery of ^{203}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-203 and Emanation-203m: ...We assign the 45-sec 6.497-MeV activity to the ground state of ^{203}Em and the 28-sec 6.547 MeV activity to an isomeric state as this choice fits best in the energy-versus-mass-number curve... "

Adapted from reference (2013Fr09)

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