^{208}Rn

Momyer and Hyde reported the observation of ^{208}Rn in the 1955 article "The influence of the 126-neutron shell on the alpha-decay properties of the isotopes of emanation, francium, and radium" (1955Mo68). Thorium foils were bombarded with 340 MeV protons from the Berkeley 184-inch cyclotron. Alpha-particle spectra and decay curves were measured with an ionization chamber following chemical separation. "In summary, Em^{208} appears to be a 23±2-minute activity with alpha-particle energy 6.141 MeV." In a companion paper actually submitted a day earlier, Momyer et al. measured the α-decay energies in a magnetic spectrograph (1955Mo69).

Adapted from reference (2013Fr09)

1955Mo68 F. F. Momyer Jr. and E. K. Hyde, J. Inorg. Nucl. Chem. **1**, 274 (1955).

1955Mo69 F. F. Momyer Jr., F. Asaro, and E. K. Hyde, J. Inorg. Nucl. Chem. **1**, 267 (1955).

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