

## $^{224}\text{Rn}$

Butement and Robinson announced the discovery of  $^{224}\text{Rn}$  in the 1964 paper “New isotopes of emanation” (1964Bu02). Thorium metal powder was irradiated with a 370 MeV proton beam from the Liverpool synchrocyclotron. The half-lives of  $^{224}\text{Rn}$  was determined by the milking technique, where the activities were measured with a ZnS-Ag alpha scintillation counter. “The value obtained for the half life of  $^{223}\text{Em}$  is  $43\pm 5$  min, where the error is the standard deviation on the mean of six experiments.”

Adapted from reference (2013Fr09)

1964Bu02 F. D. S. Butement and V. J. Robinson, *J. Inorg. Nucl. Chem.* **26**, 1 (1964).

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

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