# $^{212}$Rn

In 1950, Hyde et al. reported the first observation of $^{212}$Rn in the paper "Low mass francium and emanation isotopes of high alpha-stability" (1950Hy27). Thorium foils were bombarded with up to 350 MeV protons from the Berkeley 184-inch cyclotron. $^{212}$Fr was chemically separated and $^{212}$Rn was populated by electron capture. Alpha spectra were measured with an ionization chamber. "Em$^{212}$ is shown to be a 23-minute alpha-emitter." The same group had reported this activity previously without a mass assignment (1949Gh16).

Adapted from reference (2013Fr09)


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