# $^{221}$Po

In the 2010 paper "Discovery and investigation of heavy neutron-rich isotopes with time-resolved Schottky spectrometry in the element range from thallium to actinium", Chen et al. described the discovery of $^{221}$Po (2010Ch19). A beryllium target was bombarded with a 670 MeV/u $^{238}$U beam from the GSI heavy-ion synchrotron SIS and projectile fragments were separated with the fragment separator FRS. The masses and half-lives of $^{221}$Po were measured with time-resolved Schottky Mass Spectrometry in the storage-cooler ring ESR. "In this experiment the new isotopes of $^{236}$Ac, $^{224}$At, $^{221}$Po, $^{222}$Po, and $^{213}$Tl were discovered." The half-life of $112^{+58}_{-28}$ s for $^{221}$Po was listed in a table.

Adapted from reference (2013Fr04)


2010Ch19 L. Chen, W. R. Plass, H. Geissel, R. Knobel *et al.*, Phys. Lett. B **691**, 234 (2010).

2013Fr04 C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 365 (2013).



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