^{201}Pb

In 1950, Neumann and Perlman described the first observation of ^{201}Pb in "Isotopic assignments of bismuth isotopes produced with high energy particles" (1950Ne77). Lead targets were bombarded with 100 MeV protons and deuterons from the Berkeley 184-inch cyclotron and ^{201}Pb was identified following chemical separation measuring activities with a mica end-window Geiger tube. "Finally, as shown in [the figure], the lead fraction removed from the bismuth fraction could be resolved into three components: 52-hr. Pb^{203} in good yield, an 8-hr. period attributable to Pb^{201}, and a 68-min. period which is probably Pb^{204m}."

Adapted from reference (2013Fr04)

1950Ne77 H. M. Neumann and I. Perlman, Phys. Rev. **78**, 191 (1950).
2013Fr04 C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 365 (2013).

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