^{204}Pt

The first refereed publication of the observation of ^{204}Pt was the 2008 paper "Single-particle Behavior at N = 126: Isomeric Decays in Neutron-rich ^{204}Pt" by Steer et al. (2008St20). A 1 GeV/A ^{208}Pb beam from the SIS-18 accelerator at GSI impinged on a ^{9}Be target and the projectile fragments were selected and identified in flight by the FRagment Separator FRS. "The results for ^{204}Pt were obtained from four different magnetic rigidity settings of the FRS. A total of 9.3 $\times 10^4$ ^{204}Pt ions was implanted in the stopper." The level scheme included the decay of three isomers. The lowest level isomer was observed to decay to the ground state via two γ-ray transitions. The ^{204}Pt data also had been presented previously in two conference proceedings (2007St11, 2007Po13). The half-life of the ^{204}Pt ground state of 16 s was reported for the first time in a refereed publication five years later by Morales et al. (2014Mo15).

Adapted from reference (2011Am01)

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