^{103}Pd

In 1950, Mei et al. described the observation of ^{103}Pd in "The disintegration of ruthenium 103 and palladium 103" (1950Me26). A rhodium metal target was bombarded with 23-MeV α-particles from the Indiana University cyclotron. Gamma- and beta-ray spectra were measured following chemical separation. "Pd^{103} disintegrates by orbital electron capture. The spectrum consists of an electron line at 369 kev, shown to be due to L electrons from a highly converted gamma-ray of 40.4-kev energy, together with Auger electrons." The measured half-life was 17 d.

Adapted from reference (2013Ka01)

1950Me26 J. Y. Mei, C. M. Huddleston, and A. C. G. Mitchell, Phys. Rev. **79**, 429 (1950).

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