^{103}Nb

In "Low-Energy Transitions from the Deexcitation of Spontaneous Fission Fragments of ^{252}Cf," Hopkins et al. reported the first observations of ^{103}Nb in 1971 at the Center for Nuclear Studies at the University of Texas at Austin (1971Ho29). The spontaneous fission of ^{252}Cf was measured by recording X- and γ-rays with a Si(Li) and a high-resolution Ge(Li) low-energy photon detector. The observed isotopes were not discussed individually in the text and the results were summarized in a table. A gamma-line of 164.1 keV at mass 103$\pm$0 [The actual paper quotes 130$\pm$0 and we assume this to be a typographical error] was assigned to ^{103}Nb. This γ-ray had already been reported in an earlier paper (1970Jo20), however, without unique mass assignment.

Adapted from reference (2012Ny02)

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