^{71}Zn

In 1955, LeBlanc et al. detected ^{71}Zn as reported in "Radioactivities of Zn^{69} and Zn^{71}" (1955Le03). Normal zinc and enriched ^{70}Zn were irradiated by neutrons at Argonne National Laboratory and ^{71}Zn was identified with a ten-channel scintillation coincidence spectrometer. "In all, four activities were found in the enriched Zn^{70} samples. They had half-lives of 2.2 min, 1 hr, 3 hr, and 14 hr. Of these, only the 1-hr and 14-hr activities were detected in the normal Zn sources and are thus identified as the previously reported activities of Zn^{69}. The 2.2-min and 3-hr activities must then be due to Zn^{71}." These half-lives correspond to the ground state and an isomeric state, respectively.

Adapted from reference (2012Gr02)

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