

⁵⁴K

Langevin et al. is credited with the discovery of ⁵⁴K in “⁵³K, ⁵⁴K And ⁵³Ca: Three new neutron rich isotopes” (1983La23). Iridium was fragmented by 10 GeV protons from the CERN synchrotron to produce neutron rich potassium isotopes, which then decayed into calcium isotopes. Neutrons were measured in coincidence with β -rays after the potassium was mass separated. “This work gives evidence for three new K and Ca isotopes and provides further information on half-lives and P_n values.” A half-life of 10(5) ms for ⁵⁴K was reported.

Adapted from reference (2012Th10)

1983La23 M. Langevin, C. Detraz, D. Guillemaud-Mueller, A. C. Mueller *et al.*, Phys. Lett. B **130**, 251 (1983).

2012Th10 M. Thoennessen, At. Data Nucl. Data Tables **98**, 933 (2012).

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