

## <sup>47</sup>K

In 1964, Kuroyanagi et al. discovered <sup>47</sup>K at Tokai, Japan, as described in “Potassium-47” (1964Ku02). Natural calcium and enriched <sup>48</sup>Ca targets were irradiated with 23 MeV bremsstrahlung from the JAERI linac. Gamma- and beta-ray spectra were measured following chemical separation with a NaI(Tl) crystal and a plastic scintillator, respectively. “From purely radiochemical considerations a new activity of  $17.5 \pm 0.3$  sec half-life is assigned to <sup>47</sup>K.”

Adapted from reference (2012Th10)

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