^{67}Co

Bosch et al. discovered ^{67}Co in 1985 as described in "Beta-decay half-lives of new neutron-rich chromium-to-nickel isotopes and their consequences for the astrophysical r-process" (1985Bo49). ^{76}Ge was accelerated to 11.4 MeV/u at GSI and bombarded a natural tungsten target. ^{67}Co was produced in multinucleon transfer reactions and separated with the FEBIAD-F ion source and the GSI on-line mass separator. "Beta-decay studies of the new neutron-rich isotopes ^{58,59}Cr, ^{63}Mn, ^{66,67}Co and ^{69}Ni, yielding distinctly shorter half-lives than the corresponding theoretical predictions, are presented." The measured half-life was 0.42(7) s.

Adapted from reference (2010Sz02)

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