

⁷²Br

Nolte et al. discovered ⁷²Br in 1970 as described in the paper “Neutron Deficient Even-Even Isotopes of Kr, Se, Ge and Pseudo SU₃ coupling” (1970No03). Beams of 42-57 MeV ¹⁶O were accelerated by the Heidelberg EN and MP tandem Van de Graaff accelerators and bombarded enriched ⁵⁸Ni targets. Prompt and delayed γ -ray spectra were measured with two Ge(Li) detectors. “The new isotope ⁷²Br was found through the reaction ⁵⁸Ni(¹⁶O,pn)⁷²Br. It decays with a half life of approximately 1.7 min to the first and second 2⁺ states in ⁷²Se.” It should be mentioned that Doron and Blann reported the observation of ⁷²Br only a month later (1971Do01).

Adapted from reference (2012Gr02)

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