

⁴⁵Cr

“A New Delayed Proton Precursor: Chromium-45” was published in 1974 by Jackson et al. reporting the discovery of ⁴⁵Cr ([1974Ja10](#)). The isotope was produced by the ³²S(¹⁶O,3n) fusion evaporation reaction with ¹⁶O beams of energies between 50 and 82 MeV from the Chalk River MP tandem accelerator. Spectra of β -delayed protons were measured with a surface barrier counter telescope. “The new $T_z = -3/2$ isotope, ⁴⁵Cr, has been produced by the ³²S(¹⁶O,3n)⁴⁵Cr reaction. Its half-life was measured to be 50 ± 6 ms.”

Adapted from reference ([2012Ga06](#))

[1974Ja10](#) K. P. Jackson, J. C. Hardy, H. Schmeing, R. L. Graham *et al.*, Phys. Lett. B **49**, 341 (1974).

[2012Ga06](#) K. Garofali, R. Robinson, and M. Thoennessen, At. Data Nucl. Data Tables **98**, 356 (2012).

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