

⁵⁵Sc

⁵⁵Sc was discovered in 1990 by Tu et al. in the paper “Direct mass measurement of the neutron-rich isotopes of chlorine through iron” ([1990Tu01](#)). 800 MeV protons from the Los Alamos Meson Physics Facility LAMPF bombarded a ^{nat}Th target and the isotopes were identified using the Time-of-Flight Isochronous (TOFI) spectrometer. The mass excesses for 29 neutron-rich isotopes from chlorine to iron (including ⁵⁵Sc) were measured for the first time and presented in a table.

Adapted from reference ([2011Me01](#))

[1990Tu01](#) X. L. Tu, X. G. Zhou, D. J. Vieira, J. M. Wouters *et al.*, *Z. Phys. A* **337**, 361 (1990).

[2011Me01](#) D. Meierfrankenfeld, A. Bury, and M. Thoennessen, *At. Data Nucl. Data Tables* **97**, 134 (2011).

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