

## <sup>55</sup>Ni

In the paper entitled “New Proton-Rich Nuclei in the  $f_{7/2}$  Shell” Proctor et al. described the discovery of <sup>55</sup>Ni in 1972 ([1972Pr10](#)). The Michigan State University sector-focused cyclotron accelerated <sup>3</sup>He to 65–75 MeV and the reaction <sup>58</sup>Ni(<sup>3</sup>He,<sup>6</sup>He) was used to produce <sup>55</sup>Ni. The outgoing <sup>6</sup>He particles were detected in the focal plane of an Enge split-pole magnetic spectrograph. “The present measurements represent the first observation of <sup>47</sup>Cr, <sup>51</sup>Fe, and <sup>55</sup>Ni.”

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

[1972Pr10](#) I. D. Proctor, W. Benenson, J. Dreisbach, E. Kashy *et al.*, Phys. Rev. Lett. **29**, 434 (1972).

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

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