

## **<sup>45</sup>P**

Lewitowicz et al. discovered <sup>45</sup>P in the 1990 paper “First observation of the neutron-rich nuclei <sup>42</sup>Si, <sup>45,46</sup>P, <sup>48</sup>S, and <sup>51</sup>Cl from the interaction of 44 MeV/u <sup>48</sup>Ca + <sup>64</sup>Ni” (1990Le03). A 44 MeV/u <sup>48</sup>Ca beam was fragmented on a <sup>64</sup>Ni target at GANIL and the projectile-like fragments were separated by the zero degree doubly achromatic LISE spectrometer. “The isotopes of <sup>42</sup>Si, <sup>45,46</sup>P, <sup>48</sup>S, and <sup>51</sup>Cl are identified for the first time.”

Adapted from reference (2012Th10)

1990Le03 M. Lewitowicz, R. Anne, A. G. Artukh, D. Bazin *et al.*, *Z. Phys. A* **335**, 117 (1990).

2012Th10 M. Thoennessen, *At. Data Nucl. Data Tables* **98**, 933 (2012).

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