

## **<sup>28</sup>P**

In 1953, <sup>28</sup>P was reported by Glass et al. in “The short-lived radioisotopes P<sup>28</sup> and Cl<sup>32</sup>” ([1953GI32](#)). Protons were accelerated to 20 MeV by the UCLA cyclotron and bombarded silicon targets. <sup>28</sup>P was produced in (p,n) charge exchange reactions and identified by measuring  $\gamma$ -rays with a NaI crystal. “The half-life of the P<sup>28</sup> was found to be  $0.280 \pm 0.010$  second. It emits positrons and gamma-radiation up to an energy of 7 Mev.”

Adapted from reference ([2012Th10](#))

[1953GI32](#) N. W. Glass, L. K. Jensen, and J. R. Richardson, Phys. Rev. **90**, 320 (1953).

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

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