^{141}Pm

"Promethium isotopes" was published in 1952 by Kistiakowsky documenting the observation of ^{141}Pm (1952Ki25). Neodymium oxide enriched in ^{142}Nd was bombarded with 20 MeV and 32 MeV protons from the Berkeley linear accelerator. Gamma- and beta-ray spectra were measured following chemical separation. "The $(Nd^{142})_2O_3$ yielded a 20-minutes half-life activity when bombarded with 20- and 32-MeV protons. This was assigned to Pm^{141} from the Nd^{142}(p,2n) reaction."

Adapted from reference (2012Ma48)

1952Ki25 V. Kistiakowsky, Phys. Rev. **87**, 859 (1952).
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