^{161}Gd

^{161}Gd was observed in 1949 by Butement at the Atomic Energy Research Establishment in Harwell, UK, published in the paper "Radioactive gadolinium and terbium isotopes" (1949Bu01). Natural gadolinium samples were irradiated with neutrons in a pile. Gamma- and beta-ray activities were measured following chemical separation. "The identity, within experimental error, of σ for the 218 sec. and the 6.75 d. activities suggests that they must be assigned as follows: $Gd^{161} \xrightarrow[218sec.]{\beta} Tb^{161} \xrightarrow[6.75d.]{\beta} Dy^{161}$ stable."

Adapted from reference (2013Ma01)

1949Bu01 F. D. S. Butement, Phys. Rev. **75**, 1276 (1949).
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Please cite this abstract as: "FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:10.11578/frib/2279152"