

^{237}U

Nishina et al. from RIKEN discovered ^{237}U in 1940 and reported their results in the article “Induced β -activity of uranium by fast neutrons” (1940Ni06). Uranium was exposed to fast neutrons and the uranium fraction was chemically separated and activity was measured. “The difference thus obtained shows a 6.5-day period. This activity is probably due to U^{237} produced from U^{238} through loss of a neutron, as in the case of the production of UY [^{231}Th] from thorium.”

1940Ni06 Y. Nishina, T. Yasaki, H. Ezoe, K. Kimura, and M. Ikawa, Phys. Rev. **57**, 1182 (1940).

Please cite this abstract as: “FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:[10.11578/frib/2279152](https://doi.org/10.11578/frib/2279152)”