

THE YIELDS OF THE NUCLEI FORMED IN THE ^{237}Np AND ^{241}Am SAMPLES IRRADIATED BY THE NEUTRON FIELD.

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The studies were carried out on proton beam with energy of 660 MeV, which generates a neutron field from "QUINTA"-setup [1,2].

The (n, γ) and fission reactions in the targets of ^{237}Np and ^{241}Am irradiated by neutron field were studied.

The obtained results were compared with the EXFOR experimental base and interpreted using the GEANT4 and FLUKA programs [3].

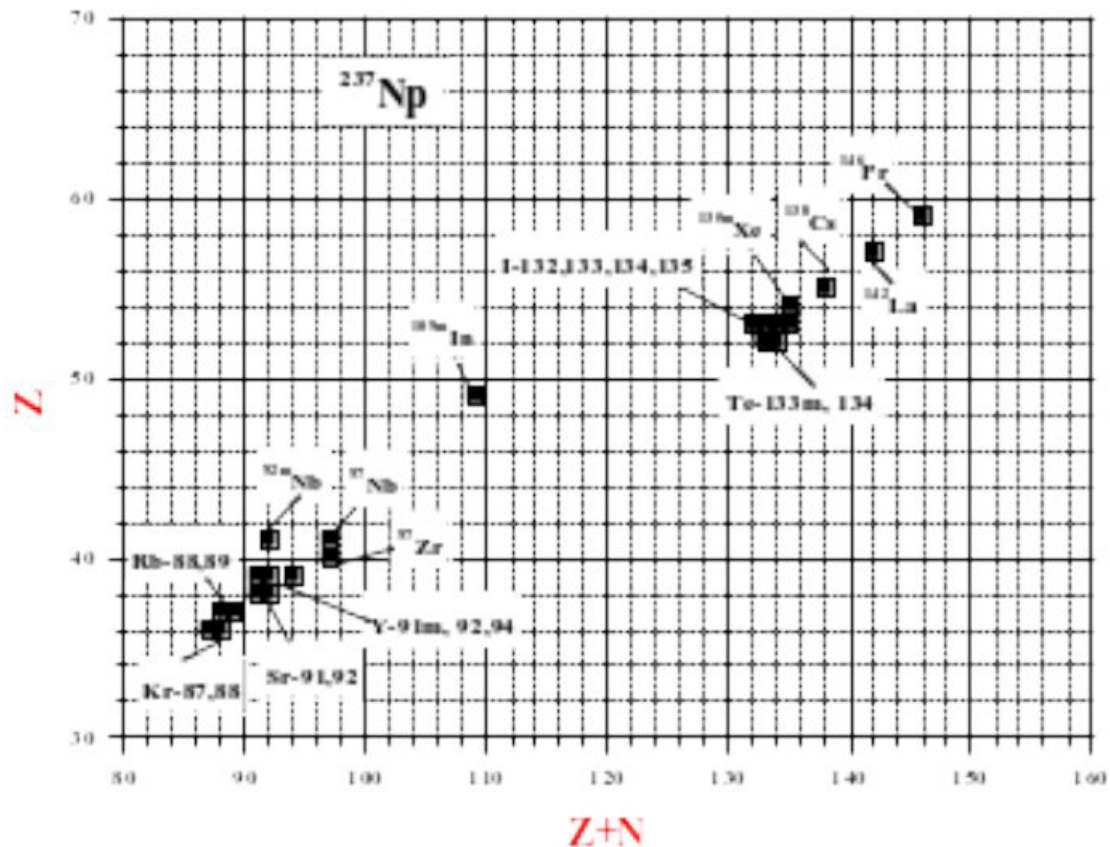


Figure 1: Fission products from ^{237}Np irradiated by neutron field of "QUINTA"-setup from proton beam with $E = 660$ MeV.

1. Nucleonica 2018;63(1):17-22
2. S.Kilim et al. //XXII International Baldin Seminar, Russia, Dubna, September, 15-22, 2015.
3. N.Otuka et al. // Nuclear Data Sheets, Volume 120, 2014, pp. 272-276.

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