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FRAGMENT MASS DISTRIBUTIONS OF ^{238}U FISSION BY DEUTERONS WITH THE ENERGY OF 37 MeV

Fragment mass distributions of ^{238}U fission by deuterons with the energy 37 MeV measured by the γ-spectrometry method on the U-240 cyclotron of INR National Academy of Sciences of Ukraine are given. Fragment mass distribution has an asymmetric form. The thin structure corresponding to the fission product yields with masses of 104, 111, 126, 132 a. e. m. was observed.

Keywords: nuclear fission, deuteron, ^{238}U, γ-spectrometry.