

5. FISSION FRAGMENTS MASS DISTRIBUTIONS IN $^{238}\text{U}+\text{p}$ INTERACTION AT ENERGIES UP TO 70 MeV

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Mass distributions of fission fragments in $^{238}\text{U}+\text{p}$ interaction at proton energies 35, 50, and 70 MeV were measured using γ -spectrometer method. Yields of fission fragments show fine structure which can be caused by peculiarities of the fissioning nucleus formation and by the influence of isomer states in the second minimum of two-humped barrier on the fission channel.