

MASS DISTRIBUTION OF THE ^{237}Np PHOTOFISSION FRAGMENTS AT ENERGY 12.5 MeV

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Semiconductor gamma-spectroscopy method has been used for measuring the cumulative yields of the 28 fragments of ^{237}Np photofission for 21 mass chains at 12.5 MeV bremsstrahlung maximum energy. Resulted mass distribution of heavy fragments shows the higher yields in the mass region 133 - 134, 138 - 140 and 145 - 146.

Keywords: photofission, cumulative yields, bremsstrahlung, gamma-spectroscopy, ^{237}Np .