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Study of excitation of isomeric states in reactions $(\gamma,n), (n,2n)$ and (n,γ) on 108,110Pd nuclei

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In this work, we studied the excitation cross sections of isomeric states in nuclear reactions of the (γ,n) , (n,2n) and (n,γ) type on 108,110Pd nuclei. The isomeric yield ratios were measured by the induced radioactivity method. Samples of natural Ba (the barium peroxide samples) have been irradiated in the bremsstrahlung beam in the energy range of 12-35 MeV with energy step of 1 MeV. For 14,1 MeV neutron irradiation, we used the NG-150 neutron generator. For the (n, γ) reaction, experiments were carried out at the BB3-CM research reactor of the Institute of Nuclear Physics of the Academy of Sciences of the Republic of Uzbekistan

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