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# INVESTIGATION OF THE ISOMERIC STATES EXCITATION PROCESSES FOR $^{111}$Cd AND $^{115}$Cd ISOTOPES IN (γ, n) REACTION AT THE γ-QUANTUM ENERGIES IN GIANT DIPOLE RESONANCE REGION

Cross-sections of the isomeric states excitations in the $^{112}$Cd(γ, n)$^{111m}$Cd and $^{116}$Cd(γ, n)$^{115m,g}$Cd reactions have been investigated for the 8 - 10 MeV energy region. Experimental isomeric ratios have been obtained. Experimental results are compared with TALYS-1.0 calculations.

*Keywords*: photonuclear reactions, isomeric ratios, bremsstrahlung, Cd isotopes.