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## Investigation of Properties of Low-Level p-Wave Neutron Resonances at the IREN Facility (FLNP, JINR, Dubna)

At the 11-m flight path of the IREN facility the measurements of the differential cross sections of the Br (n,  $\gamma$ ) and Cl (n,  $\gamma$ ) reactions were carried out in region of the low-lying p-wave resonances of bromine at the 0.88 eV incident-neutron energy and chlorine at 398 eV, correspondingly. The purpose of the experimental  $\gamma$ -quanta angular distributions obtaining is search of the asymmetry of their forward-backward recording. Monte-Carlo calculations were also made to evaluate an asymmetry of  $\gamma$ -quanta due to kinematics and real geometry of the experiment, as neutrons are scattered in the target before capture, with considering multiple scattering in the targets. The results of investigation of the p-wave resonances are presented.

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