XXIV QUARK MATTER
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Vorticity and asymmetries at NICA

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Experimental manifestation of P-odd effects related to the vorticity and hydrodynamic helicity in non-central heavy ion collisions is discussed, which is based on their simulation in the NICA kinematics in framework of the kinetic Quark-Gluon String Model. For the NICA heavy ion collisions characterised by the large baryonic charge of the forming medium the effect should manifest in neutron asymmetries. The polarization of hyperons and P-odd correlations of particle momenta probing the vorticity are discussed.

Primary author: Prof. SORIN, Alexander (Joint Institute for Nuclear Research (Dubna))

Co-author: Prof. TERYAEV, Oleg (Joint Institute for Nuclear Research (Dubna))

Presenter: Prof. SORIN, Alexander (Joint Institute for Nuclear Research (Dubna))

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