Contribution ID: **742** Type: **Oral**

A Monte Carlo study of Lambda Hyperon Polarization at MPD

Wednesday, 11 November 2020 14:15 (15 minutes)

The measurements of strange hyperons polarization in heavy ion collision allows to study important characteristics of QCD medium (vorticity, hydrodynamic helicity). One of the goals of BMN and MPD experiments at NICA is to research hyperons. In this analysis, we study Λ polarization produced with LAQGSM event generator and simulated via Monte Carlo. The simulation was performed for Au+Au collisions at 9 GeV.

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Session Classification: High energy physics

Track Classification: HEP III - NICA physics/modeling