

Femtoscopy at MPD

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MPD (Multi Purpose Detector) will be future experiment at NICA facility. NICA complex is dedicated to study phase diagram of QCD matter at high baryonic densities.

We present current status of preparation for femtoscopic measurements in MPD. We present femtoscopic observables for AuAu collisions at Beam Energy Scan energies ($\sqrt{s_{NN}}$ 7.7-62.4 GeV) calculated with viscous hydro + cascade model vHLL+UrQMD with two Equations of State - one that correspond to 1st order phase transition and the second one with crossover transition. We also discuss perspectives of femtoscopic measurements with MPD detector based on recent MC simulations.

Primary authors: WIELANEK, Daniel (Warsaw University of Technology); LEDNICKY, Richard (Joint Institute for Nuclear Research, Dubna, Russia); BATYUK, Pavel (Joint Institute for Nuclear Research (RU)); KARPENKO, Iurii (Frankfurt Institute for Advanced Studies); MIKHAYLOV, Konstantin (Institute for Theoretical and Experimental Physics (RU)); MALININA, Ludmila (Joint Institute for Nuclear Research (RU)); Dr ROGACHEVSKY, Oleg (Veksler and Baldin Laboratory of High Energy Physics)

Presenter: WIELANEK, Daniel (Warsaw University of Technology)

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