

Studies of Short Range Correlations in inverse kinematics at BM@N at the NICA facility

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NICA-Nuclotron (Nuclotron-based Ion Collider fAcility) is a new accelerator complex designed at the Joint Institute for Nuclear Research (Dubna, Russia) to study properties of dense baryonic matter. NICA will provide variety of beam species ranged from protons and polarized deuterons to very massive gold ions. BM@N (Baryonic Matter at Nuclotron) is the first fixed target experiment at the NICA-Nuclotron. The aim of the experiment is to study collisions of relativistic ion beams of the kinetic energy from 1 to 4.5 AGeV with fixed targets. BM@N energies are perfectly suitable for strange hypernuclei investigation. The last data taking period started a new physics program of SRC (Short Range Correlations) studies at BM@N. The BM@N setup allows detecting of the nucleus after interaction for the first time. BM@N tracking detectors contribute to the identification of the nucleus after hard scattering in inverse kinematics. We will discuss the SRC at BM@N project and present the first results of the BM@N tracking detectors using the data collected in spring 2018.

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