

Welcome to NICA days 2019 and IVth MPD Collaboration Meeting in Warsaw



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Correlation femtoscopy at NICA energies

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The correlation femtoscopy gives possibilities to measure the space-time characteristics of particle production processes due to the effects of quantum statistics (QS) and final state interactions (FSI). Femtoscopy at lower energies was intensively studied at AGS, SPS and in the Beam Energy Scan (BES) program.

Results on pion and kaon correlation femtoscopy for the NICA energy range are shown in the work. Also, a set of auxiliary tools to perform simulation with the vHLL+UrQMD model in a simpler manner is presented. A new package to be used for femtoscopy analysis is announced and first correlations functions got directly from the model are shown.

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