Contribution ID : **56** Type : **Plenary talk**

Au+Au collisions at NICA energies: UrQMD vs PHSD

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Content

Studies made with the UrQMD and the BeBe detector showed an efficiency below expected in ranges of pseudorapidity near the beam direction, this was the main motivation to use a different transport approach. The Parton-Hadron String Dynamics describes the full evolution of events coming from heavy-ion collisions, with a theoretical description different from the UrQMD. Preliminary results with the PHSD showed a high level of affinity for some distributions. Furthermore, within the settings in PHSD, the inclusion or exclusion of the partonic phase is explored, and the main results come from simulations at \sqrt{s_{NN}}=9 GeV and \sqrt{s_{NN}}=11 GeV of Au+Au collisions.

Area of contribution

Simulations

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