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HBT scaling results from UrQMD up to LHC energies

Thursday 16 August 2012 16:00 (2 hours)

We use the Ultra-relativistic Quantum Molecular Dynamics (UrQMD) to explore HBT/Femtoscopic correlation in proton-proton and heavy ion collisions up to LHC energies. We discuss a) the scaling of HBT radii in proton-proton reactions at top LHC energies and b) the scaling of HBT radii from proton-proton to heavy-ion reactions from RHIC-BES to LHC energies for various systems.

- [1] G. Graef et al., J. Phys. G in print (2012)
- [2] Q. Li, G. Graef, M. Bleicher, Phys. Rev. C 85, 034908 (2012)
- [3] G. Graef et al., Phys. Rev. C 85, 044901 (2012)

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