

## **LHC results on femtoscopic $\pi+\pi$ correlations from the UrQMD transport approach**

We use the non-equilibrium transport approach Ultra-relativistic Quantum Molecular Dynamics (UrQMD) [1] to compute the dynamics of heavy ion collisions up to LHC energies. From this model we obtain directly the full phasespace distribution of all particles at the kinetic freeze out. By using the quantum reweighting technique on the freeze out distribution we extract the two-particle correlation function in three-dimensions. Using a gaussian parametrization we get the Hanbury-Brown Twiss (HBT) radii from these correlation functions which can be interpreted in terms of the space-time extension [2] of the particle-emitting source. A comparison of correlation functions and HBT radii with LHC data will be shown.

[1] S. A. Bass et al., Prog. Part. Nucl. Phys. 41 (1998) 225.

[2] S. Chapman et al., Phys. Rev. Lett. 74 (1995) 4400

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