

Nuclear Theory

Spectra, flow and HBT in Pb-Pb collisions at the LHC

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The transverse momentum spectra, elliptic flow and interferometry radii for Pb-Pb collisions at the LHC are calculated in relativistic viscous hydrodynamics. For Glauber model initial conditions, we find that the data can be described using a small value of shear viscosity $\eta/s=0.08$. The viscosities and the equation of state are the same as used for RHIC energies.

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