

# Viscous hydrodynamic model for Relativistic Heavy Ion Collisions

*Tuesday 10 September 2013 10:00 (30 minutes)*

Viscous hydrodynamical modeling of relativistic heavy ion collisions has been highly successful in explaining bulk of the experimental data in RHIC and LHC energy collisions. We briefly review viscous hydrodynamics modeling of high energy nuclear collisions. Basic ingredients of the modeling, the hydrodynamic equations, relaxation equations for dissipative forces initial conditions, freezes-out process etc. will be discussed. We will also show some representative simulation results in comparison with experimental data. Lastly, recent developments in event-by-event hydrodynamics will be discussed briefly.

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