

Modeling extreme matter in heavy-ion collisions (Lecture I)

Friday, 5 May 2017 09:00 (1h 20m)

We discuss different approaches to model various stage of relativistic heavy ion reactions. We will start from straightforward hydrodynamic descriptions and will then turn to multi-fluid hydrodynamics and hybrid approaches where a Boltzmann transport equation is coupled to hydrodynamics. The main physics results are discussed with a focus on elliptic flow and di-lepton production.

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