

Non-equilibrium entropy density and dissipative processes in relativistic nuclear collisions

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The ratio of shear viscosity to the volume density of entropy has generated much interest even beyond RHIC and LHC physics. In this presentation we focus on the dissipative fluxes/processes that might be responsible for entropy production. We compare the relative strength of each dissipative flux/process with regard to entropy production. This is done by taking the ratio of individual flux to the volume density of entropy. Finally we compare the ratio of all relevant dissipative fluxes to the entropy density.