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Dissertation Award in Nuclear Physics Talk: QGP viscosity at RHIC and LHC energies

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The successes of ideal hydrodynamics in describing RHIC data at lower p_T region led to the well known announcement that “RHIC Scientists Serve Up Perfect Liquid” (the Quark Gluon Plasma, QGP). In order to answer “How perfect is the QGP fluid?,” one needs to extract the QGP viscosity from experimental data. Viscous hydrodynamics is such a tool that could attack this problem. In this talk, I will report recent progresses on viscous hydrodynamics + hadron cascade hybrid model and discuss the QGP shear viscosity at RHIC and LHC energies.