## Transport coefficients of QCD matter at finite temperature and density

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The viscous properties of quark-gluon plasma (QGP) are closely related to the evolution of high-energy heavyion collisions and the momentum distributions of final-state hadrons. With the progress of the RHIC beam energy scan experiments, an important question is how transport coefficients (such as shear viscosity and bulk viscosity) evolve dynamically in QGP under different collision energies. Recently, we calculated the viscosity coefficients of QGP across the entire QCD phase diagram using the Boltzmann transport equation and the PNJL quark model. At this conference, we will report the dependence of the viscous properties of quark matter on temperature and baryon number density, as well as its relationship with the QCD phase transition.

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