



Tuesday December 15  
Webinar ID [94271308587](#)  
(password is required)

## **Longgang Pang**

Central China Normal University

### **“Bayesian analysis for jet energy loss in QGP”**

When energetic partons traverse the hot dense quark gluon plasma, they loss energy by elastic scattering and gluon radiation. I will briefly introduce how do we model this process physically in the hybrid Linear Boltzmann Transport model and relativistic hydrodynamics, as well as in a parameterized statistical model. The Bayesian analysis is used to extract the parameters of the statistical model. The hands on talk will introduce several key techniques used in this study, such as Bayes theorem, Markov Chain Monte Carlo as well as central limit theorem.