



Contribution ID: 1

Type: **Talk**

Open heavy flavor and quarkonium production in relativistic heavy ion collisions

In relativistic heavy ion collisions, a deconfined QCD matter called quark-gluon plasma (QGP) is produced. Heavy quarks, due to their large masses, are mostly produced in the early stages of heavy ion collisions and experience the whole evolution of the produced matter. So it can be a nice probe to the QGP. Meanwhile, the heavy quark energy loss, hadronization, quarkonium evolution and production in this ideal deconfinement environment provide opportunities to study the QCD properties under extreme conditions. In this talk, I will present several progresses our recently developed framework to describe both open heavy flavor and quarkonium.

Author: Dr ZHAO, Jiaxing (HFHF)

Presenter: Dr ZHAO, Jiaxing (HFHF)