



Contribution ID: 32

Type: **not specified**

## **Bottomonium production from coupled Boltzmann equations**

*Thursday, 14 July 2022 17:10 (20 minutes)*

Quarkonium has been used as an important probe of the quark-gluon plasma in heavy ion collisions. With more precise experimental measurements of quarkonium production conducted at RHIC and LHC, we are able to learn in a more quantitative way how quarkonium interacts with the hot medium. In this talk, I will review the framework of coupled Boltzmann equations to describe quarkonium production in heavy ion collisions. The coupled equations describe both open heavy quark transport and quarkonium dissociation and recombination in a consistent way. I will also show phenomenological results for bottomonium production and compare with recent experimental measurements.

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**Session Classification:** Quarkonia in A-A collisions