

5th International workshop on heavy quark production in heavy-ion collisions



Contribution ID: 9

Type: **not specified**

Recent developments in lattice studies for quarkonia

Wednesday, 14 November 2012 16:30 (30 minutes)

I will give a review on recent developments in lattice QCD studies for quarkonia in the quark gluon plasma medium. I will discuss recent progress in the extraction of spectral properties from lattice QCD calculations of hadronic correlation functions. Besides medium modifications of bound states and their dissociation in the plasma I will focus on transport coefficients, like heavy quark diffusion constants, extracted from different correlation functions on the lattice. Present limitations and future perspectives for studies of quarkonia and related transport coefficients on the lattice will be discussed.

Primary author: KACZMAREK, Olaf (University of Bielefeld)

Presenter: KACZMAREK, Olaf (University of Bielefeld)

Session Classification: Lattice QCD

Track Classification: LQCD