



Contribution ID: 74

Type: **Poster**

Heavy quark spectral and transport properties from lattice QCD

Monday, 24 June 2019 17:00 (20 minutes)

We will present recent results on thermal modifications of heavy quark spectral functions based on continuum extrapolated correlation functions in pure SU(3) plasma and discuss constraints for the heavy quark diffusion coefficients. Using the gradient flow technique for the color-electric field correlator in quenched as well as full QCD we will discuss the effects of dynamical fermions on the heavy quark momentum diffusion coefficient and provide first estimates on the thermal quarkonium mass shift of heavy quarks in the thermal medium.

Primary author: Dr KACZMAREK, Olaf (University of Bielefeld)

Presenter: Dr KACZMAREK, Olaf (University of Bielefeld)

Session Classification: Poster session