

## Heavy quark free and internal energies in 2-flavor QCD

**Presenter: Olaf Kaczmarek**

*Olaf Kaczmarek and Felix Zantow*

Abstract: We will present results on heavy quark free energies in 2-flavour QCD. The temperature dependence of the interaction between static quark anti-quark pairs will be analyzed in terms of, in general distance and temperature dependent, running couplings and screening masses. Furthermore we will clarify the relation between heavy quark free energies and potentials used to analyze the melting of heavy quark bound states above the deconfinement temperature.