



Contribution ID: 379

Type: **Talk**

## Shear Viscosity from Lattice QCD

*Friday, 27 June 2014 15:35 (20 minutes)*

This talk is on recent efforts to determine the shear viscosity  $\eta$  in the deconfined phase from lattice QCD. The main focus is on the integration of the Wilson flow in the analysis to get a better handle on the infrared behaviour of the spectral function which is relevant for transport. Also the non-perturbative renormalization strategy applied for the energy momentum tensor is discussed. At the end some quenched results for temperatures up to  $4.5T_c$  are presented.

**Primary authors:** Prof. SCHÄFER, Andreas (University of Regensburg); Prof. SZABO, Kalman (University of Wuppertal/Julich Supercomputing Center); Mr MAGES, Simon (University of Regensburg); Dr BORSANYI, Szabolcs (Bergische Universität Wuppertal); Prof. FODOR, Zoltan (University of Wuppertal/Julich Supercomputing Center/Eotvos University)

**Presenter:** Mr MAGES, Simon (University of Regensburg)

**Session Classification:** Nonzero temperature and Density

**Track Classification:** Nonzero Temperature and Density