

# Fluctuations in Strongly Interacting Hot and Dense Matter: Theory and Experiment

EMMI Workshop

Seminarraum Theorie SB 3.170a  
GSI

## Program

### Monday, November 2, 2015

- 09:00-10:30 Alexander Kalweit (CERN)  
*Measurement of event-by-event fluctuations and chemical freeze-out conditions at LHC energies with ALICE*
- 10:30-11:00 Break/ Refreshments
- 11:00-12:30 Nu Xu (LBNL/CCNU)  
*Net Kaon fluctuations*

### Tuesday, November 3, 2015

- 09:00-10:30 Xiaofeng Luo (CCNU Wuhan)  
*Search for the QCD Critical Point: Fluctuations of Conserved Quantities in High Energy Nuclear Collisions at RHIC*
- 10:30-11:00 Break/ Refreshments
- 11:00-12:30 Misha Stephanov (Chicago)  
*Fluctuation Signatures of the QCD Critical Point*

### Wednesday, November 4, 2015

- 09:00-10:30 Swagato Mukherjee (BNL)  
*QCD results on conserved charge fluctuations and Beam Energy Scan*
- 10:30-11:00 Break/ Refreshments
- 11:00-12:30 Masakiyo Kitazawa (Osaka)  
*Diffusion of conserved-charge fluctuations*

### Thursday, November 4, 2015

- 09:00-10:30 Marlene Nahrgang (Duke)  
*Dynamical description of fluctuations in heavy-ion collisions*
- 10:30-11:00 Break/ Refreshments
- 11:00-12:30 Chihiro Sasaki (Wroclaw)  
*Heavy-light flavor correlations on the QCD phase boundary*