

**Session Program**

**22-26 Sept 2014**

**High Energy Strong Interactions: A School for  
Young Asian Scientists**

***Session IV: Lattice Results and Search for  
QCD critical point***

Central China Normal University  
152 Luoyu Road, Central China Normal University, Wuhan 430079, China

# Thursday 25 September

09:00

## Session IV: Lattice Results and Search for QCD critical point

### Session

**Location:** Central China Normal University, 152 Luoyu Road, Central China Normal University, Wuhan 430079, China

**Conveners:** Prof. Defu Hou, Yuanfang Wu

09:00–09:30

### A Simple Idea for Lattice QCD at Finite Density

#### Speaker

Prof. Rajiv Gavai

#### Location

Central China Normal University, Seminar room 9409

09:30–10:00

### Magnetism and Rotation on the Lattice

#### Speaker

Prof. Arata Yamamoto

#### Location

Central China Normal University, Seminar room 9409

10:00–10:30

### Thermodynamic of Heavy-Light Hadrons

#### Speaker

Prof. Heng-Tong Ding

#### Location

Central China Normal University, Seminar room 9409

10:30–11:00

### Tea break

11:00–11:30

### Beam Energy Scan and the QCD Equation of State

#### Speaker

Dr Prasad Hegde

#### Location

Central China Normal University, Seminar room 9409

11:30–12:00

### Exploring the QCD Phase Diagram for a Signature of the Critical Point

#### Speaker

Jian Deng

#### Location

Central China Normal University, Seminar room 9409

12:00–12:30

### Search for the QCD Critical Point: Higher Moments of Net-proton Multiplicity Distributions at STAR

#### Speaker

Ji Xu

#### Location

Central China Normal University, Seminar room 9409

12:30-14:00 **Lunch break**

14:00-14:30

**Generalized Susceptibilities Along the Phase Boundary from the 3-d, 3-State Potts Model**

**Speaker**

Xue Pan

**Location**

Central China Normal University, Seminar room 9409

14:30-15:00

**Inhomogeneous Polyakov Loop Induced by Inhomogeneous Chiral Condensates**

**Speaker**

Tomoya Hayata

**Location**

Central China Normal University, Seminar room 9409

15:00-15:30

**Deconfinement Phase Transition in the Heavy Quark Region**

**Speaker**

Pok Man Lo

**Location**

Central China Normal University, Seminar room 9409

15:30-16:00

**Tea break**

16:00-17:00

**Thermodynamic Uncertainty Relation and non-Gaussian Statistics**

**Speaker**

Prof. Tamas Biro

**Location**

Central China normal University, Seminar room 9409

17:00-17:30

**Electromagnetic Field and Anomalous Transport in Heavy-Ion Collisions and Cold Atoms**

**Speaker**

Prof. Xu-Guang Huang

**Location**

Central China normal University, Seminar room 9409

18:00-20:00

**Dinner**

20:00