

AdS Holography and the Quark-Gluon Plasma**Week 1: August 2 – 6, 2010**

organized by: S. Husa, K. Landsteiner, A. Rebhan

Monday, August 2

- 10:15 - 10:30 WELCOME
- 10:30 - 12:00 VOURINEN
QCD at Finite Temperature and Density
- 14:00 - 15:00 S. HUSA
Introduction to the Numerical Solution of the Einstein Equations
- 15:00 - 15:30 COFFEE BREAK
- 15:30 - 16:30 V. FILEV
Flavoured SYM theory on S^3 with various control parameters

Tuesday, August 3

- 10:30 - 12:00 MYERS
AdS/CFT and the Quark-Gluon-Plasma I
- 14:00 - 15:00 S. HUSA
Introduction to the Numerical Solution of the Einstein Equations
- 15:00 - 15:30 COFFEE BREAK
- 15:30 - 16:30 B.-H. LEE
AdS/CFT in dense medium

Wednesday, August 4

- 10:30 - 12:00 BUSCHEL
AdS/CFT and the Quark-Gluon-Plasma II
- 14:00 - 15:00 D. GRUMILLER
Holographic Renormalization

Thursday, August 5

- 10:30 - 12:00 SUGIMOTO
Hadrons in Holographic QCD
- 14:00 - 15:00 M. WAPLER
Massive Quantum Liquids from Holographic Angel's Trumpets
- 15:00 - 15:30 COFFEE BREAK
- 15:30 - 16:30 Y. SEO
Holographic hadrons in a confining finite density medium

Friday, August 6

10:00 - 11:00 C. JOHNSON
TBA

11:00 - 11:30 COFFEE BREAK

11:30 - 12:30 K.-Y. KIM
Holographic phase diagram of a chiral symmetry breaking gauge theory

All lectures will take place in the ESI Boltzmann Lecture Hall