

AdS/CFT Nuclear and Many Body Physics

Thursday, 11 March 2010

- 9:20 – 9:30 am Opening Remarks
- 9:30 – 10:30 "Jet Propagation in Matter"
Peter Jacobs, Lawrence Berkeley National Laboratory
- 10:40 – 11:40 "The Chiral Magnetic Effect and local parity violation at RHIC"
Dmitri Kharzeev, Brookhaven National Laboratory
- 11:40 – 1:00 pm Lunch**
- 1:00– 2:00 "Comparing kinetic theory and AdS/CFT"
Derek Teaney, Stony Brook University
- 2:10 – 3:10 pm "Polyakov Loops in Holographic QCD"
Jorge Noronha, Columbia University
- 4:00 – 4:30 Tea, Room 218 Jadwin Hall**
- 4:30 – 5:30 **Physics Colloquium, Room A-10 Jadwin Hall**
"Quark Gluon Plasma: From Particles to Fields?"
Barbara Jacak, Stony Brook University

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- 9:30– 10:30 am "Puzzles and Problems for Gravity and Glue"
Robert Myers, Perimeter Institute
- 10:40 – 11:40 "Axial anomalies in hydrodynamics"
Dam Son, University of Washington
- 11:40 – 1:00 pm Lunch**
- 1:00 – 2:00 "Quantum Phase Transitions of Metals in Two Spatial Dimensions"
Subir Sachdev, Harvard University
- 2:10 – 3:10 "Quantum black holes and applied holography"
Sean Hartnoll, Harvard University
- 3:10 – 4:00 pm Coffee Break**
- 4:00 – 5:00 pm "From black holes to strange metals: many-body physics through a gravitational lens"
Hong Liu, MIT