RBRC Workshop at Brookhaven National Laboratory

"Understanding QGP Through Spectral Functions and Euclidean Correlators"

Large Seminar Room, Physics Department, Bldg 510
April 23-25, 2008
Organizers: Ágnes Mócsy and Péter Petreczky
AGENDA

	04/23 WEDNESDAY		04/24 THURSDAY		04/25 FRIDAY
8:45-9:15 **9:15-9:30**	**Registration** **Opening: Nicholas Samios** RBRC Director	9:00-9:30	**H. Meyer** (MIT) Energy-momentum Tensor Correlators and Viscosity	9:00-9:40	**D. Teaney** (Stony Brook) Spectral Densities and Viscous Hydro
9:30-10:00	**O. Kaczmarek** (Bielefeld) Static Quarks at Finite Temperature in Lattice QCD	9:30-10:00	**K. Huebner** (BNL) Bulk Viscosity in SU(2) Gauge Theory	9:40-10:10	**M. Lublinsky** (Stony Brook) New Relativistic Hydro from AdS/CFT Spectral Functions
10:00-10:30	**N. Brambilla** (Milano) Quark-Antiquark and Three-Quark Potentials at T=0	10:00-10:30	**D. Kharzeev** (BNL) Bulk Viscosity in QCD	10:10-10:40	**A. Parnachev** (Stony Brook) Progress in Holographic Model of QCD
10:30-10:50	**Coffee**	**10:30-10:50**	**Coffee**	**10:40-11:00**	**Coffee**
10:50-11:20	**A. Jakovác** (Wuppertal) Minimization Algorithms for the Maximum Entropy Method	10:50-11:30	**G. Moore** (McGill) Transport and the Coupling Expansion	11:00-11:30	**Y. Maezawa** (RIKEN) Debye and Magnetic Masses in Full QCD Simulations and Comparison to AdS/CFT
11:20-11:50	**A. Velytsky** (Chicago) Quarkonium Correlators and Spectral Functions from Anisotropic Lattice QCD	11:30-12:00	**M. Carrington** (Brandon U) Transport Methods and nPI Methods	11:30-12:00	**A. Bazavov** (Arizona U) Static Quark Correlators in SU(2) Gauge Theory at Finite Temperature
11:50-12:20	**S. Datta** (TIFR) Quarkonia Correlators from Isotropic Lattice QCD	12:00-12:30	**E. Mottola** (Los Alamos) Resummation in Equilibrium and Non-Equilibrium Gauge Theories		
12:20-14:00	**Lunch**	**12:30-14:00**	**Lunch**	**12:00-13:40**	**Lunch**
14:00-14:30	**A. Vairo** (Milano) Static Quark-Antiquark Pairs at Finite Temperature	14:00-14:30	**Y. Hidaka** (RBRC) Suppression of the Shear Viscosity as QCD Cools into a Confining Phase	13:40-14:10	**G. Brown** (Stony Brook) A Field Theory for Relativistic Heavy Ion Collisions
14:30-15:00	**M. Laine** (Bielefeld) Heavy Quarkonium According to Resummed Perturbation Theory	14:30-15:00	**D. Fernandez-Fraile** (Madrid) Transport Coefficients in Chiral Theories	14:10-14:40	**Z. Tang** (USTC/BNL) Quarkonium Measurements in STAR
15:00-15:30	**A. Beraudo** (ECT) Real and Imaginary Time Correlators of a Q-Qbar Pair in a Thermal Medium	15:00-15:30	**M. Leitch** (Los Alamos) Quarkonium Measurements in PHENIX	14:40-15:10	**T. Hemmick** (Stony Brook) Light Meson Sector Measurements from PHENIX
15:30-15:50	**GROUP PHOTO** **Coffee**	**15:30-15:50**	**Coffee**	**15:10-15:30**	**Coffee**
15:50-16:20	**A. Dumitru** (Frankfurt) The Heavy-Quark Potential in an Anisotropic QGP	15:50-16:20	**R. Rapp** (Texas A&M) Quarkonia, Heavy Quarks, and sQGP	15:30-16:00	**A. Nicola** (Madrid) In-medium Light Meson Resonances and Chiral Symmetry Restoration
16:20-16:50	**W. Alberico** (Torino) Quarkonia in the Deconfined Phase: Potential Models and Correlators	16:20-16:50	**H. Satz** (Bielefeld) On the In-Medium Behavior of Finite Width Charmonia	16:00-16:30	**T. Kunihiro** (Kyoto) Quark Quasi-Particle Picture at High Temperature in Effective Models
16:50-17:20	**T. Umeda** (Tsukuba) Charmonium Wave Functions at Finite Temperature from Lattice QCD Calculations	16:50-17:20	**E. Shuryak** (Stony Brook) Charmonium in Strongly Coupled Plasma	16:30-17:00	**M. Kitazawa** (Osaka) Spectral Properties of Quarks at Finite Temperature in Quenched Lattice QCD
17:20-17:50	**M. Asakawa** (Osaka) Spectral Functions of One, Two, and Three Quark Operators in the Quark-Gluon Plasma	17:20-17:50	**S. Caron-Huot** (McGill) Heavy Quark Momentum Diffusion at Next-to-leading Order		
		18:30-20:30	**Dinner**		