

Extreme QCD 2008

Monday, July 21

- 09:00-09:45 Zoltan Fodor (Wuppertal)
The QCD phase transition on the lattice:
Approaching the continuum limit
- 09:45-10:30 Misha Stephanov (UIC)
Relativistic conformal hydrodynamics and holography
- 10:30-11:00 Break
- 11:00-11:45 Derek Teaney (Stony Brook)
Photo-emission from fast-heavy quarks in AdS_5
- 11:45-12:30 Peter Petreczky (BNL)
Heavy quarks and quarkonia at finite temperature
- 12:30-14:00 Lunch
- 14:00-14:30 Philippe de Forcrand (ETH)
Revisiting the strong coupling limit of lattice QCD
- 14:30-15:00 Simon Hands (Swansea)
Recent progress in Two Color QCD at High Baryon Density
- 15:00-15:30 Maria-Paola Lombardo (Frascati)
The phases of QCD in the T, N_f plane
- 15:30-16:00 Break

- 16:00-16:30 Ludmila Levkova (Columbia)
Lattice calculation of the QCD equation of state with asqtad fermion
- 16:30-17:00 Rajiv Gavai (Tata)
Towards QCD thermodynamics using exact chiral symmetry on lattice
- 17:00-17:30 Rajamani Narayanan (Florida Intl.)
Chiral fermions and chemical potential

Tuesday, July 22

- 09:00-09:45 Frithjof Karsch (BNL)
(Non)-perturbative properties of high-T QCD from lattice calculations
- 09:45-10:30 Jac Verbaarschot (Stony Brook)
Phase of the Fermion Determinant at Nonzero Chemical Potential
- 10:30-11:00 Break
- 11:00-11:45 Aurel Bulgac (U. of Washington)
The Incredible Many Facets of the Unitary Fermi Gas
- 11:45-12:30 Will Detmold (U. of Washington)
Multi-meson States in Lattice QCD
- 12:30-14:00 Lunch
- 14:00-14:30 Boris Svistunov (UMass)
Diagrammatic Monte Carlo
- 14:30-15:00 Kevin Schmidt (Arizona State)
Pairing in neutron matter with Auxiliary field diffusion Monte Carlo
- 15:00-15:30 Andrei Kryjevski (Washington U.)
Properties of Unitary Fermi Gas from the Epsilon Expansion
- 15:30-16:00 Break

- 16:00-16:30 Christoph Gattringer (Graz)
Chiral symmetry restoration, deconfinement and dressed Polyakov loops
- 16:30-17:00 Atsushi Nakamura (Hiroshima)
Quarks when they are confined and not confined
- 17:00-17:30 Falk Bruckmann (Regensburg)
Instanton constituents in sigma models and Yang-Mills theory at finite temperature

Wednesday, July 23

- 09:00-09:30 Owe Philipsen (Münster)
The chiral critical surface of QCD for $\mu_B < 500$ MeV
- 09:30-10:00 Keh-Fei Liu (Kentucky)
Finite Density Phase Transition with the Canonical Ensemble
- 10:00-10:30 Shinji Ejiri (BNL)
Study of QCD critical point at high temperature and density
by lattice simulations
- 10:30-11:00 Break
- 11:00-11:30 Gert Aarts (Swansea)
Stochastic quantization at finite chemical potential
- 11:30-12:00 Harvey Meyer (MIT)
Extracting transport properties of the QGP from lattice simulations
- 12:00-12:30 Masayuki Asakawa (Osaka)
Baryonic Spectral Functions at Finite Temperature
- 12:30-14:00 Lunch
- 14:00-14:30 Sourendu Gupta (Tata)
New results on the lattice at finite chemical potential
- 14:30-15:00 Kieran Holland (Pacific U.)
The finite-temperature deconfinement transition in pure gauge theory
- 15:00-15:30 Break

- 15:30-16:00 Urs Wenger (ETH)
From fermions to loop and dimer models
- 16:00-16:30 Herman Krebs (Bonn/Jülich)
Lattice Simulations with Chiral Nuclear Forces