Finite Temperature and Density

Monday 2:10 - 3:50 Owe Philipsen   **East End 2**
Yasumichi Aoki   2+1 flavor QCD thermodynamics with stout-link improved
                                        staggered fermions
Ludmila Levkova   The Equation of State for QCD with 2+1 Flavors of Quarks
Yoshifumi Nakamura   Critical temperature in QCD with two flavors of dynamical quarks
Claudio Pica   The chiral transition in two-flavor QCD
Kalman Szabo   2+1 flavor QCD thermodynamics with stout-link improved
                                        staggered fermions (2)

Monday 4:20 - 6:00 Maria Paola Lombardo   **East End 2**
Sourendu Gupta   On the critical end point of QCD
Victor Laliena   Searching for the critical endpoint in QCD with two quark flavors
Rajarshi Ray   Operator relations and chemical effects on chiral dynamics in
                                        QCD
Christian Schmidt   The QCD phase diagram at finite density
Sönke Wissel   Meson correlation functions at high temperature

Tuesday 4:00 - 6:00 Frithjof Karsch   **East End 2**
Andrei Alexandru   Finite density simulations via canonical approach
Seyong Kim   The 3-states Potts model as a heavy quark finite density
                                        laboratory
Slavo Kratochvila   The canonical approach to Finite Density QCD
Maria Paola Lombardo   Series representation, Pade' approximants and critical behavior in
                                        QCD at nonzero T and mu
Irina Pushkina   Lattice QCD with chemical potential: the properties of hadrons at
                                        the extreme conditions
Ion-Olimpiu Stamatescu   The high density region of QCD in a large mass and chemical
                                        potential model

Wednesday 9:00 - 10:40 Peter Petreczky   **East End 2**
Volker Weinberg   Probing the chiral phase transition with valence overlap fermions
                                        and $N_f=2$ flavours of dynamical Wilson fermions
Frithjof Karsch   Quark number and charge fluctuations in finite temperature QCD
Swagato Mukherjee   A new method to determine the equation of state, specific heat,
                                        and speed of sound above and below the transition temperature
                                        in QCD
Ari Hietanen   Non-perturbative condensates and the pressure in hot QCD
Barak Bringoltz   The pressure, and a possible hidden Hagedorn transition at
                                        large-N

Wednesday 10:55 - 11:55 (i) Olaf Kaczmarek   **East End 2**
Jonivar Skullerud   Charmonium spectral functions in $N_f=2$ QCD
Felix Zantow   Deconfinement and Quarkonium suppression from lattice QCD
Christa Guse   Grand Canonical Potential for a Static Quark - Antiquark Pair at
                                        Finite Chemical Potential

Wednesday 10:55 - 11:55 (ii) Ben Svetitsky   **East End 3**
Francis Bursa   Casimir Scaling of domain wall tensions in the deconfined phase
                                        of D=3+1 SU(N) gauge theories
York Schroder   Spatial string tension revisited

Taka Sugihara   Gauge invariance in a Z_2 hamiltonian lattice gauge theory

Thursday 2:10 - 3:50 Nucu Stamatescu   **East End 2**
Gert Aarts   On meson spectral functions at high temperature and nonzero momentum
Shinji Ejiri   QCD level density from maximum entropy method
Hideaki Iida   J/Psi at high temperatures in anisotropic lattice QCD
Peter Petreczky   Heavy quark diffusion and lattice correlators
Sunao Sakai   Transport Coefficient of Gluon Plasma from Lattice QCD

Thursday 4:20 - 6:00 Kurt Langfeld   **East End 2**
Bortolo Matteo Mognetti   Large-N_f behavior of the Yukawa model: analytic results
Jack Liddle   The deconfining phase transition for SU(N) theories in 2+1 dimension
Christian Torrero   4 loops 3-d SU(3) free energy with a mass IR regulator
Jan van der Heide   The temperature dependence of the pion form factor
Daniel Zwanziger   Equation of State of Gluon Plasma from Fundamental Modular Region

Friday 2:10 -3:50 TBA   **East End 2**
Olaf Kaczmarek   Heavy quark free and internal energies in 2-flavor QCD
Matthias Döring   Heavy quark free energies and Debye screening masses at finite temperature and density
Kay Huebner   Heavy two- and three-quark free energies at finite T
Michael Ogilvie   Non-universality of string tension ratios and gluon confinement at finite temperature
Ferdinando Gliozzi   Screening of sources in higher representations of SU(N) gauge theories at zero and finite temperature

Friday 4:20 - 6:00 Don Sinclair   **East End 2**
Gernot Akemann   Two-colour Lattice QCD with dynamical fermions at non-zero density versus Matrix Models
Fu-Jiun Jiang   Phase diagram of strongly coupled 2-color QCD in the chiral limit
Ettore Vicari   Finite-temperature chiral transition in QCD with quarks in the fundamental and adjoint representation
James Osborn   Eigenvalue correlations in quenched QCD at finite density
Kurt Langfeld   Zero density heavy quark SU(2) gauge theory and the Stefan-Boltzmann limit

Posters
Shailesh Chandrasekharan   Chiral limit of 2-color QCD at strong couplings
Juergen Engels   The chiral transition of N_f=2 QCD with fundamental and adjoint fermions
Simon Hands   Two Color QCD beyond the BEC regime
Chulwoo Jung   Thermodynamics using P4-improved staggered fermion action on QCDOC
Xiang-Qian Luo   Phase Structure of Lattice QCD with Wilson and Neuberger Quarks at Finite Temperature and Density
Harald Markum   Sonification of lattice data: the spectrum of the Dirac operator across the deconfinement transition
Konstantin Petrov   Quarkonium spectral functions at finite temperature from the

Takashi Umeda

Fermilab action on anisotropic lattices
Remarks on the Maximum Entropy Method applied to finite
temperature lattice QCD