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The 35th International Symposium on Lattice Field Theory

Monday 19 June 2017

Nonzero Temperature and Density - Auditorio Manuel de Falla (14:30-16:10)

- Conveners: Prof. Kitazawa, Masakiyo

time	title	presenter
14:30	Axial U(1) symmetry at high temperature in 2-flavor lattice QCD	SUZUKI, Kei
14:50	Topological Susceptibility in $N_f=2$ QCD at Finite Temperature	AOKI, Yasumichi
15:10	Landau levels in QCD in an external magnetic field	GIORDANO, Matteo
15:30	Chiral phase transition of three flavor QCD with nonzero magnetic field	TOMIYA, Akio
15:50	Anderson localization in sigma models	WELLNHOFER, jacob

Nonzero Temperature and Density - Auditorio Manuel de Falla (16:40-18:00)

- Conveners: Dr. Bazavov, Alexei

time	title	presenter
16:40	Dispersion relations of charmonia above T_c	KITAZAWA, Masakiyo
17:00	Continuum extrapolation of charmonium correlators at non-zero temperature	SANDMEYER, Hauke
17:20	Thermal modifications of charmonia and bottomonia from spatial correlation functions	SHU, Hai-Tao
17:40	Improved real-time dynamics from imaginary frequency lattice simulations	ROTHKOPF, Alexander

Tuesday 20 June 2017

Nonzero Temperature and Density - Auditorio Manuel de Falla (15:00-16:40)

- Conveners: Prof. Kawamoto, Noboru

time	title	presenter
15:00	Continuum extrapolation of critical point for finite temperature QCD with $N_f=3$	TAKEDA, SHINJI
15:20	Critical endline of the finite temperature phase transition for 2+1 flavor QCD away from the SU(3)-flavor symmetric point	NAKAMURA, Yoshifumi
15:40	Energy-momentum tensor correlation function in $N_f=2+1$ full QCD at finite temperature	TANIGUCHI, Yusuke
16:00	Color screening in 2+1 flavor QCD	WEBER, Johannes
16:20	Medium effects and parity doubling of hyperons across the deconfinement phase transition	DE BONI, Davide

Nonzero Temperature and Density - Andalucía II (15:00-16:40)

- Conveners: Prof. Ohnishi, Akira

time	title	presenter
15:00	QCD at finite isospin chemical potential: Reweighting	SCHMALZBAUER, Sebastian
15:20	QCD at finite isospin chemical potential: Phase diagram and equation of state	BRANDT, Bastian
15:40	On the nature of phases at finite isospin chemical potential	GAVAI, Rajiv V
16:00	Light spectrum of QCD at finite isospin density	SCIOR, Philipp
16:20	Applying the density of states method to QCD at finite chemical potential	TOROK, Csaba

Nonzero Temperature and Density - Auditorio Manuel de Falla (17:10-19:10)

- Conveners: Yamamoto, Arata

time	title	presenter
17:10	Selected inversion as key to a stable Langevin evolution across the QCD phase boundary	BLOCH, Jacques
17:30	Complex Langevin simulation of QCD at finite density and low temperature using the deformation technique	SHIMASAKI, Shinji
17:50	Comparative studies of the deformation techniques for the singular-drift problem in the complex Langevin method	ITO, Yuta
18:10	Complex Langevin Simulations of QCD at Finite Density -- Progress Report	SINCLAIR, Donald
18:30	Progress on Complex Langevin simulations of a finite density matrix model for QCD	ZAFEIROPOULOS, Savvas
18:50	Improved convergence of Complex Langevin simulations	JAEGER, Benjamin

Wednesday 21 June 2017

Nonzero Temperature and Density - Auditorio Manuel de Falla (09:00-11:00)

- Conveners: Dr. Sinclair, Donald

time	title	presenter
09:00	The equation of state with non-equilibrium methods	NADA, Alessandro
09:20	Thermal Simulations, Open Boundary Conditions and Switches	FLORIO, Adrien
09:40	Lefschetz-thimble flows without blow-up	TANIZAKI, Yuya
10:00	Simulating lattice field theories on multiple thimbles	DI RENZO, Francesco
10:20	Unification of the complex Langevin method and the Lefschetz thimble method	NISHIMURA, Jun
10:40	[free slot]	

Nonzero Temperature and Density - Auditorio Manuel de Falla (11:30-13:30)

- Conveners: Heller, Urs

time	title	presenter
11:30	Critical endpoint of 4-flavor QCD with non-perturbatively $O(a)$ -improved Wilson quarks	OHNO, Hiroshi
11:50	Equation of state in (2+1)-flavor QCD at physical point with improved Wilson fermion action using gradient flow	KANAYA, Kazuyuki
12:10	SU(4) symmetry of hadrons upon the near-zero modes truncation and its implications for high T.	GLOZMAN, Leonid
12:30	Degeneracy of vector-channel spatial correlators in high temperature QCD	ROHRHOFER, Christian
12:50	QCD equation of state at high temperatures	BAZAVOV, Alexei
13:10	[free slot]	

Nonzero Temperature and Density - Andalucía II (11:30-13:30)

- Conveners: Prof. Hands, Simon

time	title	presenter
11:30	Confinement-deconfinement transition in dense SU(2) QCD	NIKOLAEV, Aleksandr
11:50	Gluon and ghost correlation functions of 2-color QCD at finite density	HAJIZADEH, Ouraman
12:10	Preliminary QCD phase transition line with 700 MeV dynamical fermions from Polyakov line actions	HÖLLWIESER, Roman
12:30	The $\chi_{\text{exp}}/\chi_{\text{2nd}}$ ratio as a test for effective Polyakov line actions	CASELLE, Michele
12:50	Dual Formulation of Lattice QCD in the strong coupling regime	UNGER, Wolfgang
13:10	QCD Phase Boundary in the Strong Coupling Regime	KIM, Jangho

Thursday 22 June 2017

Nonzero Temperature and Density - Auditorio Manuel de Falla (15:00-16:40)

- Conveners: Dr. Creutz, Michael

time	title	presenter
15:00	The pion quasiparticle in the low-temperature phase of QCD	ZAPP, Kai
15:20	Finite temperature gluon propagator in Landau gauge: non-zero Matsubara frequencies and spectral densities	SILVA, Paulo
15:40	Path modification method for the sign problem	OHNISHI, Akira
16:00	Canonical simulations using world-line representations - an exploratory study	ORASCH, Oliver
16:20	Condensation thresholds and scattering data - a study in the relativistic Bose gas at finite density	GIULIANI, Mario

Nonzero Temperature and Density - Auditorio Manuel de Falla (17:10-19:10)

- Conveners: Prof. Caselle, Michele

time	title	presenter
17:10	Dual simulation of the massless lattice Schwinger model with topological term and non-zero chemical potential	GOESCHL, Daniel
17:30	Accurate Simulation of the Finite Density Thirring Model	RANTAHARJU, Jarno
17:50	Spin models in complex magnetic fields: a hard sign problem	RINDLISBACHER, Tobias
18:10	Two-dimensional antiferromagnetic Ising model as a toy model for usual θ physics	ROYO-AMONDARAIN, Eduardo
18:30	Solution of the sign problem in the Potts model at fixed baryon number	WENGER, Urs
18:50	Representations of complex probabilities on groups, Gibbs sampling, and local reweighting	SALCEDO, Lorenzo Luis

Friday 23 June 2017

Nonzero Temperature and Density - Auditorio Manuel de Falla (15:00-16:40)

- Conveners: Prof. Gavai, Rajiv V

time	title	presenter
15:00	Paths to equilibrium in non-conformal collisions	ATTEMS, Maximilian
15:20	Fluctuations of conserved charges from imaginary chemical potential	GUENTHER, Jana
15:40	An improved estimate for the photon rate from lattice QCD - part 1	HARRIS, Tim
16:00	An improved estimate for the photon rate from lattice QCD - part 2	STEINBERG, Aman
16:20	Temperature dependence of bulk viscosity in SU(3)-gluodynamics	BRAGUTA, Victor

Nonzero Temperature and Density - Auditorio Manuel de Falla (17:10-19:10)

- Conveners: Mr. de FORCRAND, Philippe

time	title	presenter
17:10	Restoring canonical partition function from imaginary chemical potential	GOY, Vladimir
17:30	Updates on the Columbia plot and its extended/alternative versions	CUTERI, Francesca
17:50	Lattice Study of QCD Phase Structure by Canonical Approach	BOYDA, Denis
18:10	The QCD equation of state to $\mathcal{O}(\mu_B^6)$	HEGDE, Prasad
18:30	Equation of State and Freezeout in QCD with Staggered Quarks	GUPTA, Sourendu
18:50	Hadron thermodynamics from imaginary chemical potentials	PASZTOR, Attila