

36th Annual International Symposium on Lattice Field Theory

Monday, July 23, 2018

Nonzero Temperature and Density - Centennial (2:00 PM - 3:40 PM)

time	[id] title	presenter
2:00 PM	[M28] Complex Langevin for Lattice QCD	SINCLAIR, Donald
2:20 PM	[M61] Can the complex Langevin method see the deconfinement phase transition in QCD at finite density?	Dr TSUTSUI, Shoichiro
2:40 PM	[M2] Stabilising complex Langevin simulations	Dr ATTANASIO, Felipe
3:00 PM	[M22] Exploring the phase diagram of finite density QCD at low temperature by the complex Langevin method	Dr ITO, Yuta
3:20 PM	[M8] Investigating the Phase Structure of Large N Unitary Matrix Models using Complex Langevin Method	Dr JOSEPH, Anosh

Nonzero Temperature and Density - Centennial (4:10 PM - 5:30 PM)

time	[id] title	presenter
4:10 PM	[M03] Towards Lefschetz thimbles regularization of heavy-dense QCD	ZAMBELLO, Kevin
4:30 PM	[M6] Beyond Thimbles: Sign-Optimized Manifolds for Finite Density	LAWRENCE, Scott
4:50 PM	[M2] Deforming Path Integration Contours: Application to Finite Density Thirring Model	WARRINGTON, Neill
5:10 PM	[M0] Flowing Gauge Theories: Finite-Density QED ₁₊₁	Dr LAMM, Henry

Tuesday, July 24, 2018

Nonzero Temperature and Density - Centennial (2:00 PM - 3:40 PM)

time	[id] title	presenter
2:00 PM	[M34] Axial U(1) symmetry and Dirac spectra in high-temperature phase of $N_f=2$ lattice QCD	Dr SUZUKI, Kei
2:20 PM	[M9] The fate of axial U(1) and the topological susceptibility in QCD with two light quarks	Mr MAZUR, Lukas
2:40 PM	[M1] Topological Susceptibility in $N_f=2$ QCD at Finite Temperature -- Volume Study	AOKI, Yasumichi
3:00 PM	[M27] Topological Susceptibility to High Temperatures via Reweighting	Mr JAHN, P. Thomas
3:20 PM	[M4] Topological structures in finite temperature QCD	Mr LARSEN, Rasmus

Nonzero Temperature and Density - Centennial (4:10 PM - 5:10 PM)

time	[id] title	presenter
4:10 PM	[M64] Simulation of Scalar Field Theories with Complex Actions	Prof. OGILVIE, Michael
4:30 PM	[M58] Worldline Approach to Few-Body Physics on the Lattice	SINGH, Hershdeep
4:50 PM	[M2] Low temperature condensation and scattering data	ORASCH, Oliver

Wednesday, July 25, 2018

Nonzero Temperature and Density - Centennial (4:10 PM - 5:30 PM)

time	[id] title	presenter
4:10 PM	[M11] QCD crossover at zero and non-zero baryon densities	Mr STEINBRECHER, Patrick
4:30 PM	[M13] Higher order fluctuations form imaginary chemical potential	GUENTHER, Jana N.
4:50 PM	[M67] QCD phase diagram for finite imaginary chemical potential with HISQ fermions	Mr GOSWAMI, Jishnu
5:10 PM	[M14] Phase structure of three flavor QCD in external magnetic fields using HISQ fermions	Dr TOMIYA, Akio

Thursday, July 26, 2018

Nonzero Temperature and Density - Centennial (8:30 AM - 10:30 AM)

time	[id] title	presenter
8:30 AM	[M57] Equation of state near the first order phase transition point of SU(3) gauge theory using gradient flow	Mr SHIROGANE, Mizuki
8:50 AM	[M16] Equation of state in 2 + 1 flavor QCD at high temperatures	Dr WEBER, Johannes Heinrich
9:10 AM	[M65] Study of energy-momentum tensor correlation function in Nf=2+1 full QCD for QGP viscosities	Prof. TANIGUCHI, Yusuke
9:30 AM	[M22] Thermodynamics for SU(2) pure gauge theory using gradient flow	Mr HIRAKIDA, Takehiro
9:50 AM	[M4] Topology of two-color QCD at low temperature and high density	ITOU, Etsuko
10:10 AM	[M2] Computing \hat{q} on a quenched SU(3) lattice	Mr KUMAR, Amit

Nonzero Temperature and Density - Centennial (11:00 AM - 1:00 PM)

time	[id] title	presenter
11:00 AM	[M18] Progress on the nature of the QCD thermal transition as a function of quark flavors and masses	Dr CUTERI, Francesca
11:20 AM	[M7] Chiral phase transition in (2 + 1)-flavor QCD	Mr LI, Sheng-Tai
11:40 AM	[M15] Chiral transition using the Banks-Casher relation	Dr ENDRODI, Gergely
12:00 PM	[M7] Measuring of chiral susceptibility using gradient flow	Mr BABA, Atsushi
12:20 PM	[M8] Continuum extrapolation of the critical endpoint in 4-flavor QCD with Wilson-Clover fermions	Dr OHNO, Hiroshi
12:40 PM	[M0] Large N Thermodynamics with Dynamical Fermions	HACKETT, Daniel

Friday, July 27, 2018

Nonzero Temperature and Density - Centennial (2:00 PM - 4:00 PM)

time	[id] title	presenter
2:00 PM	M134] Phase Fluctuations and Sign Problems	Dr WAGMAN, Michael
2:20 PM	M135] Phase Unwrapping and One-Dimensional Sign Problems	Mr KANWAR, Gurtej
2:40 PM	M102] Taylor expansion and the Cauchy Residue Theorem for finite-density QCD	Prof. JAEGER, Benjamin
3:00 PM	M15] Ab initio calculations of nuclear thermodynamics	Dr LU, Bingnan
3:20 PM	M12] The QCD Anderson transition with $N_f=2+1+1$ twisted mass Wilson quarks	Mr HOLICKI, Lukas

Nonzero Temperature and Density - Centennial (4:30 PM - 6:30 PM)

time	[id] title	presenter
4:30 PM	M126] Thermodynamics at strong coupling on anisotropic lattices	Dr WOLFGANG, Unger
4:50 PM	M173] Temporal Correlators in the Continuous Time Formulation of Strong Coupling Lattice QCD	Mr KLEGREWE, Marc
5:10 PM	M169] Hadronic spectrum calculations in the quark-gluon plasma	Dr GLESAEEN, Jonas
5:30 PM	M184] Spectral functions from machine learning	Prof. DING, Heng-Tong
5:50 PM	M155] Meson correlation functions at high temperature QCD: $SU(2)_{CS}$ symmetry vs. free quarks	Mr ROHRHOFER, Christian