

Lattice 2023

Monday, 31 July 2023

QCD at Non-zero Temperature - Sunrise (13:30 - 15:30)

-Conveners: Alexei Bazavov

time	[id] title	presenter
13:30	[68] Thermal QCD phase transition with dynamical chiral fermions	KOTOV, Andrey
13:50	[98] Characterizing Strongly Interacting Matter at Finite Temperature: (2+1)-Flavor QCD with MDWF Fermions	Dr GOSWAMI, Jishnu
14:10	[144] Complex potential at finite temperature in 2+1 flavor QCD	PETRECZKY, Peter
14:30	[108] Exploring the QCD phase diagram with three flavors of Möbius domain wall fermions	ZHANG, Yu
14:50	[220] Symmetries of Two-Point Spatial Correlators in $N_f=2+1$ QCD above Critical Temperature	WARD, David
15:10	[232] Axial U(1) symmetry near the pseudocritical temperature in $N_f=2+1$ lattice QCD with chiral fermions	FUKAYA, Hidenori

Tuesday, 1 August 2023

QCD at Non-zero Temperature - Sunrise (13:30 - 15:30)

-Conveners: David A. Clarke

time	[id] title	presenter
13:30	[89] High temperature $U(1)_A$ restoration in the chiral limit	Prof. KOVACS, Tamas G.
13:50	[126] Critical point in heavy-quark region of QCD on fine lattices	KITAZAWA, Masakiyo
14:10	[33] Local Polyakov-loop fluctuation and center domains in quark-gluon plasma with many colors	NAKAJIMA, Yuto
14:30	[211] Partial deconfinement in QCD at $N=\infty$ and $N=3$	HANADA, Masanori
14:50	[344] Finite volume effects near the chiral crossover	KARA, Ruben
15:10	[203] Determination of the CP restoration temperature at $\theta=\pi$ in 4D SU(2) Yang-Mills theory through simulations at imaginary θ	HIRASAWA, Mitsuaki

QCD at Non-zero Temperature - Sunrise (16:20 - 18:00)

-Conveners: Tamás G. Kovács

time	[id] title	presenter
16:20	[21] Baryonic screening masses in high temperature QCD	RESCIGNO, Pietro
16:40	[60] Degrees of freedom in various charm subsectors from Lattice QCD	SHARMA, Sipaz
17:00	[107] Chiral susceptibility and axial U(1) anomaly near the (pseudo-)critical temperature	FUKAYA, Hidenori
17:20	[184] Finite temperature effects for spin 1/2 charm baryons	BIGNELL, Ryan

Wednesday, 2 August 2023

QCD at Non-zero Temperature - Sunrise (09:00 - 10:40)

-Conveners: **Claudio Bonanno**

time	[id] title	presenter
09:00	[74] Microscopic Encoding of Macroscopic Universality: Scaling properties of Dirac Eigenspectra near QCD Chiral Phase Transition	HUANG, Wei-Ping
09:20	[80] Chiral transition via Strong Coupling expansion	PATTANAİK, Pratitee
09:40	[160] Progresses on high-temperature QCD: Equation of State and energy-momentum tensor	BRESCIANI, Matteo
10:00	[176] QCD topology with background electromagnetic fields	HERNÁNDEZ HERNÁNDEZ, José Javier
10:20	[296] Fluctuations of conserved charges in strong magnetic fields in (2+1)-flavor QCD	GU, Jin-Biao

Thursday, 3 August 2023

QCD at Non-zero Temperature - Sunrise (13:30 - 15:30)

-Conveners: Masakiyo Kitazawa

time	[id] title	presenter
13:30	[171] Anomalous transport phenomena on the lattice	GARNACHO-VELASCO, Eduardo
13:50	[82] Advancing real-time Yang-Mills: towards real-time observables from first principles	HOTZY, Paul
14:10	[284] Sphaleron rate as an inverse problem: a novel lattice approach	NAVIGLIO, Manuel
14:30	[234] The thermal photon emissivity at the QCD chiral crossover from imaginary momentum correlators	KRASNIQI, Ardit
14:50	[301] Moment of inertia and instability of rotating gluodynamics	Dr ROENKO, Artem