



# Lattice 2024

## Tuesday, 30 July 2024

### QCD at non-zero density: TR5 (11:15 - 12:35)

-Conveners: Jishnu Goswami

time	[id] title	presenter
11:15	[162] First-order phase transitions in the heavy quark region of lattice QCD at high temperatures and high densities	EJIRI, Shinji
11:35	[48] Chiral and deconfinement properties of the QCD crossover have a different volume and baryochemical potential dependence	PIRELLI, Ludovica
11:55	[286] The temperature of the chiral phase transition in LQCD at its tricritical point	KLINGER, Jan Philipp
12:15	[194] Novel first-order phase transition and critical points on $SU(3)$ Yang-Mills theory on $T^2 \times R^2$	KITAZAWA, Masakiyo

### QCD at non-zero density: TR5 (13:45 - 15:45)

-Conveners: Bastian Brandt

time	[id] title	presenter
13:45	[82] First-order phase transition in dynamical 3-flavor QCD at imaginary isospin	ENDRODI, Gergely
14:05	[280] Progress on the QCD chiral phase transition for various numbers of flavors and imaginary chemical potential	KAISER, Reinhold
14:25	[367] Dense, magnetized, and strangeness-neutral QCD from imaginary chemical potential	MARQUES VALOIS, Adeilton Dean
14:45	[360] QCD EoS in strong magnetic fields and nonzero baryon density	KUMAR, Arpith
15:05	[262] The Roberge-Weiss endpoint in $(2+1)$ -flavor QCD with background magnetic fields	ZAMBELLO, Kevin
15:25	[76] B dependence of the QED chiral condensate induced by an external magnetic field.	SINCLAIR, Donald

# Wednesday, 31 July 2024

## QCD at non-zero density: TR5 (11:15 - 12:35)

-Conveners: Etsuko Itou

time	[id] title	presenter
11:15	[37] Finite density QCD via effective Polyakov loop theories	KONRAD, Christoph
11:35	[58] Grassmann tensor-network approach for two-dimensional QCD in the strong-coupling expansion	SAMBERGER, Thomas
11:55	[455] Complex Langevin simulations of QCD: the effects of dynamical stabilization	WESTH HANSEN, Michael
12:15	[240] The chiral critical point from the strong coupling expansion	UNGER, Wolfgang

# Thursday, 1 August 2024

## QCD at non-zero density: TR4 (09:00 - 11:00)

-Conveners: Gergely Endrodi

time	[id] title	presenter
09:00	[364] Equation of state of isospin asymmetric QCD with small baryon chemical potentials	BRANDT, Bastian
09:20	[106] Phase and equation of state of finite density QCD at lower temperature	ITOU, Etsuko
09:40	[225] Dense QCD: What's up with that?!?	LAWLOR, Dale
10:00	[151] QCD constraints on isospin-dense matter and the nuclear equation of state	DETMOLD, William
10:20	[215] Pion condensation at non-zero isospin chemical potential with Wilson fermions	BASTA, Rocco Francesco
10:40	[75] Condensation of lighter-than-physical pions in QCD	CHELNOKOV, Volodymyr

# Friday, 2 August 2024

## QCD at non-zero density: TR5 (11:15 - 13:15)

-Conveners: Shinji Ejiri

time	[id] title	presenter
11:15	[260] Quark number susceptibility and conserved charge fluctuation for (2+1)-flavor QCD with Möbius domain wall fermions	GOSWAMI, Jishnu
11:35	[297] Continuum extrapolated high order baryon fluctuations	GUENTHER, Jana N.
11:55	[271] Taylor series coefficients at $\mu=0$ from imaginary $\mu$ computations	ALIBERTI, Marco
12:15	[251] Finite-size scaling of Lee-Yang zeros and its application to 3-state Potts model and heavy-quark QCD	WADA, Tatsuya
12:35	[430] Search for a Lee-Yang edge singularity in high-statistics Wuppertal-Budapest data	ADAM, Alexander
12:55	[313] On analytic continuation from imaginary to real chemical potential in Lattice QCD	DI RENZO, Francesco