

Session Program

26 July 2026 to 1 August 2026



The 43rd International Symposium on Lattice Field Theory (Lattice 2026)

QCD at nonzero temperature and density

University of Maryland, College Park
Adele H. Stamp Student Union 3972 Campus Dr College Park, MD 20742, United States

Thursday 30 July

14:00

QCD at nonzero temperature and density

Session |

Location: Adele H. Stamp Student Union, Thurgood Marshall, 3972 Campus Dr, College Park, MD 20742 |

Convener: David Clarke

14:00–14:20

Finite-density equation of state of hot QCD using the complex Langevin equation

Speaker

Daniel Unterhuber

14:20–14:40

Canonical partition function and equation of state in the heavy quark region of finite-density lattice gauge theory

Speaker

Shinji Ejiri

14:40–15:00

Analytic continuation from imaginary chemical potential, via a Cauchy formula inverse problem: state of the art

Speaker

Marco Aliberti

15:00–15:20

Comparison of various extrapolation schemes for the equation of state at finite density

Speaker

Piyush Kumar

15:20–15:40

Alleviating the sign problem with contour deformations in heavy-dense QCD

Speaker

Emmanuel Ortiz Pacheco

15:40

16:10

QCD at nonzero temperature and density

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Convener: Jana N. Guenther

16:10–16:30

Finite temperature gluon propagator in the center-symmetric Landau gauge

Speaker

Paulo Silva

16:30–16:50

Study of the thermodynamics of QCD+QED from the lattice

Speaker

Eduardo Garnacho-Velasco

16:50-17:10

Leading-order dynamical QED corrections to the thermodynamics of isospin-asymmetric QCD

Speaker

Mr Gergely Marko

17:10-17:30

Chemical potential dependence of hadron masses in two-color QCD

Speaker

Etsuko Itou

17:30

Friday 31 July

14:00

QCD at nonzero temperature and density

Session |

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Convener: Ivan Horvath

14:00–14:20

Bottomonium and B mesons at non-zero temperature on anisotropic lattices

Speaker

Prof. Seyong Kim

14:20–14:40

Diffusion of heavy quarkonia on the lattice

Speaker

Viljami Leino

14:40–15:00

Quarkonium properties at non-zero temperature from lattice QCD

Speaker

Jorge Luis Dasilva Golan

15:00–15:20

Non-static mesonic screening masses up to electroweak-scale temperatures

Speaker

Pietro Rescigno

15:20–15:40

Finite-Temperature Effects on Gluon Screening Masses in Dense Two-Color QCD

Speaker

Kei Tohme

15:40

16:10

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Convener: Etsuko Itou

16:10–16:30

Testing strong isospin breaking effects in QCD thermodynamics

Speaker

David Clarke

16:30–16:50

The onset of the QCD conformal window from chiral phase boundaries

Speaker

Jan Philipp Klinger

16:50–17:10

Higgs-Confinement Continuity in SU(2) Gauge-Higgs Model with Color-Flavor-Locking Potential

Speaker

Yusuke Shimada

17:50

17:10-17:30

IR Phase of QCD and Chiral Anderson Models**Speaker**

Ivan Horvath

17:30-17:50

Dimensional Decomposition of Eigenstates in Chiral Anderson Models**Speaker**

Navdeep Singh Dhindsa