

International Workshop on Advances in Lattice QCD

Report of Contributions

Contribution ID : 1

Type : **not specified**

Critical behavior in QCD thermodynamics from lattice QCD

Monday, 13 October 2025 09:00 (35)

Presenter(s) : Prof. KARSCH, Frithjof (Bielefeld U.)

Contribution ID : 2

Type : **not specified**

Pressure-Energy Equations of State

Monday, 13 October 2025 09:35 (35)

Presenter(s) : Prof. LIU, Keh-Fei (Kentucky U. & LBNL)

Contribution ID : 3

Type : **not specified**

Exotic hadrons

Monday, 13 October 2025 10:40 (35)

Presenter(s) : Dr MATHUR , Nilmani (TIFR)

Contribution ID : 4

Type : **not specified**

Physics-Driven Diffusion Models for Lattice Simulations

Monday, 13 October 2025 11:15 (35)

Presenter(s) : Dr WANG, Lingxiao (RIKEN)

Contribution ID : 5

Type : **not specified**

Applying the Worldvolume Hybrid Monte Carlo method to lattice gauge theories

Monday, 13 October 2025 14:00 (35)

Presenter(s) : Prof. FUKUMA , Masafumi (Kyoto U.)

Contribution ID : 6

Type : **not specified**

Thermodynamic Diagnostics for Complex Langevin Simulations: The Role of Configurational Temperature

Monday, 13 October 2025 14:35 (35)

Presenter(s) : Dr KUMAR , Arpith (CCNU)

Contribution ID : 7

Type : **not specified**

Recent progress on the phase structure and EoS of dense two-color QCD

Monday, 13 October 2025 15:40 (35)

Presenter(s) : Dr ITOU , Etsuko (YITP)

Contribution ID : 8

Type : **not specified**

Searching for the critical point of finite density lattice QCD from the heavy quark region

Monday, 13 October 2025 16:15 (35)

Presenter(s) : Prof. EJIRI , Shinji (Niigata U.)

Contribution ID : 9

Type : **not specified**

Pion screening mass at finite density in 2+1-flavor lattice

Monday, 13 October 2025 16:50 (35)

Presenter(s) : Dr HEGDE , Prasad (Indian Institute of Science)

Contribution ID : **10**

Type : **not specified**

Total Gluon Helicity Contribution to Proton Spin from Lattice QCD

Tuesday, 14 October 2025 09:00 (35)

Presenter(s) : Prof. ZHANG, Jian-Hui (CUHK-Shenzhen)

Contribution ID : 11

Type : **not specified**

Charm tetraquarks from lattice QCD

Tuesday, 14 October 2025 09:35 (35)

Presenter(s) : Dr PADMANATH, M. (IMSc)

Contribution ID : 12

Type : **not specified**

Recent Progress on Lattice-QCD GPD Calculations

Tuesday, 14 October 2025 10:40 (35)

Presenter(s) : Prof. LIN, Huey-Wen (MSU)

Contribution ID : 13

Type : **not specified**

Transverse Momentum Distributions from Lattice QCD

Tuesday, 14 October 2025 11:15 (35)

Presenter(s) : Prof. WANG, Wei (SJTU)

Contribution ID : 14

Type : **not specified**

Lee-Yang zeros near critical points

Tuesday, 14 October 2025 14:00 (35)

Presenter(s) : Prof. KITAZAWA , Masakiyo (YITP)

Contribution ID : 15

Type : **not specified**

EFT of thermal QCD

Tuesday, 14 October 2025 14:35 (35)

Presenter(s) : Dr SHARMA, Rishi (TIFR)

Contribution ID : 16

Type : **not specified**

Lattice study of heavy quark observables for QGP

Tuesday, 14 October 2025 15:40 (35)

Presenter(s) : Dr DATTA , Saumen (TIFR)

Contribution ID : 17

Type : **not specified**

Baryon-Electrical Charge Correlation as a QCD magnetometer

Tuesday, 14 October 2025 16:15 (35)

Presenter(s) : Mr GU, Jin-Biao (CCNU)

Contribution ID : **18**

Type : **not specified**

Finite-volume studies and universal scaling features near the chiral phase transition in (2+1)-flavor QCD

Tuesday, 14 October 2025 16:50 (35)

Presenter(s) : Dr MITRA , Sabarnya (Bielefeld U.)