

Session Program

18-24 Aug 2024



XVth Quark Confinement and the Hadron Spectrum

Deconfinement

Cairns, Queensland, Australia
Cairns Convention Centre

Monday 19 August

14:00

Deconfinement: D1a (Parallel D)

Session | Location: M4 | Convener: Raimond Snellings

14:00–14:30

Exploring the properties of deconfined nuclear matter with collective phenomena in ultra-relativistic heavy-ion collisions at the LHC

Speaker

Ante Bilandzic

14:30–15:00

Non-identical particle femtoscopy of pairs containing (anti)deuteron in relativistic heavy-ion collisions with ALICE at the LHC.

Speaker

Wioleta Rzesza

15:00–15:30

ALICE explores strangeness and nucleosynthesis in hadronic collisions

Speaker

Francesca Ercolessi

15:30

16:00

Deconfinement: D1b (Parallel D)

Session | Location: M4 | Convener: Jon-Ivar Skullerud

16:00–16:20

Probing the in- and out-of-equilibrium Chiral Magnetic Effects from lattice QCD

Speaker

Adeilton Dean Marques Valois

16:20–16:40

Probing the photon emissivity of the quark-gluon plasma without an inverse problem in lattice QCD

Speaker

Ardit Krasniqi

16:40–17:00

χ_{K_1/K^*} enhancement in heavy-ion collisions and the restoration of chiral symmetry

Speaker

Ms HAESOM SUNG

17:00–17:30

Heavy Flavor and Quarkonium Production and Interactions in Media

Speaker

Ramona Vogt

17:30–18:00

The spectral reconstruction problem for thermal photon and dilepton rates

18:00

Speaker

Anthony Sebastian Francis

Tuesday 20 August

16:00

Deconfinement: D2b

Session | Location: M3 | Convener: Fabian Rennecke

16:00–16:20

Mapping Quark-Hadron Deconfinement for Hot, Dense and Rotating Matter under Magnetic Field

Speaker

Gaurav Mukherjee

16:20–16:40

Exploring dense QCD through hamiltonian lattice simulations in (1+1) dimensions

Speaker

Yoshimasa Hidaka

16:40–17:00

Quantum critical point from competition between Dirac Kondo effect and chiral symmetry breaking

Speaker

Koichi Hattori

17:30

Wednesday 21 August

14:00

Deconfinement: D3a (Parallel D)

Session | Location: M4 | Convener: Chris Allton

14:00–14:30

Dense perturbative quantum chromodynamics at $g^6 \log(g)$ using hard thermal loops

Speaker

Saga Säppi

14:30–15:00

Perturbative QCD meets phase quenching: The pressure of cold Quark Matter

Speaker

Kaapo Seppänen

15:00–15:30

Tackling the four-loop pressure of dense and hot QCD

Speaker

Mr Pablo Navarrete

15:30–16:00

Spectral properties of bottomonium at high temperature: a systematic investigation

Speaker

Jon-Ivar Skullerud

16:00

16:30

Deconfinement: D3b (Parallel D)

Session | Location: M4 | Convener: Yukinao Akamatsu

16:30–17:00

Fluctuation of conserved charges in heavy ion collisions, lattice QCD and phenomenological models

Speaker

Rene Bellwied

17:00–17:30

Four-dimensional QCD equation of state at finite chemical potentials

Speaker

Prof. Akihiko Monnai

17:30–17:50

Charged particle multiplicity in pp-collisions from the dilute Glasma

Speaker

Markus Leuthner

17:50–18:10

Limiting fragmentation in the dilute Glasma

Speaker

Kayran Schmidt

18:10–18:30

Exotic configurations and particle production in heavy ion collisions

18:30

Speaker
Su Houg Lee

Thursday 22 August

11:00

Deconfinement: D4a (Parallel D)

Session | Location: M4 | Convener: Anthony Francis

11:00–11:20

The real-time finite-temperature static potential: a higher order calculation

Speaker

Joan Soto

11:20–11:40

Hadronization data in cold nuclear medium: past, present and future (Jefferson Lab and EIC)

Speaker

Taisiya Mineeva

11:40–12:00

Euclidean chromoelectric correlator in finite-temperature perturbation theory

Speaker

Saga Säppi

12:00–12:30

Bottomonium suppression in pNRQCD and open quantum system approach

Speaker

Mr Ajaharul Islam

12:30–13:00

Finite temperature hadronic spectral properties

Speaker

Ryan Bignell

13:00

14:00

Deconfinement: D4b (Parallel D)

Session | Location: M4 | Convener: Yiota Foka

14:00–14:30

The theory of jet modification and energy loss in the quark-gluon plasma

Speaker

Adam Takacs

14:30–15:00

Future for Heavy Ions & ALICE 3

Speaker

Dieter Roehrich

15:00–15:30

ALICE overview

Speaker

Prof. MinJung Kweon

15:30

16:00

Deconfinement: D4c (Parallel D)

Session | Location: M4 | Convener: Jan M. Pawłowski

16:00–16:30 **Perturbatively Confined Phase of QCD under Imaginary Rotation****Speaker**

Yusuke Shimada

16:30–16:50

A novel quark pairing in sQGP induced by the non-Abelian feature of the interaction**Speaker**

Prof. Fei Gao

16:50–17:10

Center-symmetric Landau gauge, the deconfinement transition and the gluon propagator as seen in lattice QCD**Speaker**

Paulo Silva

17:10–17:30 **Crystalline Phases in QCD****Speaker**

Theo Motta

17:30