

Session Program

13-19 May 2018



Quark Matter 2018

Phase diagram and search for the critical point

Venice, Italy

Palazzo del Cinema and Palazzo del Casinò, Lido di Venezia, Italy

Wednesday 16 May

09:00

Phase diagram and search for the critical point: I

Session | **Location:** Palazzo del Casinò, Sala Volpi, 1st Floor | **Convener:** Krishna Rajagopal

09:00–09:20 **The QCD Phase Diagram from Statistical Model Analysis**

Speaker

Reinhard Stock

09:20–09:40 **Baryon clustering near a (hypothetical) QCD critical point I**

Speaker

Edward Shuryak

09:40–10:00

Search for the QCD critical point through the rapidity dependence of cumulants

Speaker

Jasmine Brewer

10:00–10:20 **Search for the critical point by the NA61/SHINE experiment**

Speaker

Evgeny Andronov

10:20–10:40

PHENIX Measurements of $dN_{ch}/d\eta$ in small systems ($p+A$, $d+Au$, and ^3He+Au)

Speaker

Darren McGlinchey

10:40

11:10

Phase diagram and search for the critical point: II

Session | **Location:** Palazzo del Casinò, Sala Mosaici-2, 3rd Floor | **Convener:** Claudia Ratti

11:10–11:30 **Constraining the QCD critical point from lattice simulations**

Speaker

Attila Pasztor

11:30–11:50 **QCD transition at zero and non-zero baryon densities**

Speaker

Patrick Steinbrecher

11:50–12:10

Higher moment fluctuations of identified particle distributions from ALICE

Speaker

Nirbhay Kumar Behera

12:10–12:30 **Hidden strangeness shines in NA61/SHINE**

Speaker

Antoni Marcinek

12:30-12:50 Lattice-based QCD equation of state at finite baryon density

Speaker

Volodymyr Vovchenko

12:50-13:10

Recent Results and Methods on Higher Order and Off-diagonal Cumulants of Identified Net-particle Multiplicity Distributions in Au+Au Collisions at STAR

Speaker

Toshihiro Nonaka

13:10

14:40

Phase diagram and search for the critical point: III

Session | **Location:** Palazzo del Casinò, Sala Volpi, 1st Floor | **Convener:** Helen Caines

14:40-15:00 Hydro+ : Hydrodynamics for the QCD critical point

Speaker

Misha Stephanov

15:00-15:20 Identifying the QCD transition with deep learning

Speaker

Dr Long-Gang Pang

15:20-15:40

Time-evolution of fluctuations as signal of the phase transition dynamics in a QCD-assisted transport approach

Speaker

Nicolas Wink

15:40-16:00 Transits of the QCD Critical Point

Speaker

Mr Fanglida Yan

16:00-16:20

Open charm measurements in the NA61/SHINE experiment - status and plans

Speaker

Pawel Piotr Staszal

16:20