

Session Program

19-24 May 2014



XXIV QUARK MATTER
DARMSTADT 2014

**Quark Matter 2014 - XXIV International
Conference on Ultrarelativistic Nucleus-
Nucleus Collisions**

QCD phase diagram

darmstadtium
Schlossgraben 1 64283 Darmstadt Germany

Tuesday 20 May

09:00

QCD phase diagram: 1

Session | **Location:** darmstadtium, helium, Schlossgraben 1 64283 Darmstadt Germany | **Convener:** Tetsuo Hatsuda

09:00–09:20 **Probing dense matter in compact star cores with radio pulsar data**

Speaker

Kai Schwenzer

09:20–09:40

$\Lambda(K_S^0)$ azimuthal correlations with respect to event plane and searches for chiral magnetic and vortical effects

Speaker

Feng Zhao

09:40–10:00

Effects of magnetic fields on the quark-gluon plasma

Speaker

Gergely Endrodi

10:00–10:20

Charge asymmetry dependency of π/K anisotropic flow in U+U and Au+Au collisions at STAR

Speaker

Qi-Ye Shou

10:20–10:40

Quarks in strong magnetic fields

Speaker

Toru Kojo

10:40

14:20

QCD phase diagram: 2

Session | **Location:** darmstadtium, helium, Schlossgraben 1 64283 Darmstadt Germany | **Convener:** Helen Louise Caines

14:20–14:40 **Lattice QCD based equation of state at finite baryon density**

Speaker

Pasi Huovinen

14:40–15:00

Locating the CEP

Speaker

Prof. Christian Fischer

15:00–15:20

PHENIX beam energy scan results

Speaker

Dr Ron Soltz

15:20–15:40

Reviewing hadron production in the SIS energy regime using new HADES Au+Au data

Speaker

Dr Manuel Lorenz

15:40-16:00

Spectral functions from the functional renormalization group

Speaker

Ralf-Arno Tripolt

16:00

Wednesday 21 May

11:10

QCD phase diagram: 3

Session | **Location:** darmstadtium, helium, Schlossgraben 1 64283 Darmstadt Germany | **Convener:** Alexander Sorin

11:10-11:30

Energy dependence of higher moments of net-kaon, net-proton and net-charge multiplicity distribution at STAR

Speaker

AMAL SARKAR

11:30-11:50

Freeze-out conditions from fluctuations of conserved charges: lattice meets experiment

Speaker

Claudia Ratti

11:50-12:10

Baseline for the energy dependence of higher moments of net-proton multiplicity distributions

Speaker

Dr Xiaofeng Luo

12:10-12:30

Determination of freeze-out conditions from fluctuation observables measured at RHIC

Speaker

Dr Marcus Bluhm

12:30-12:50

From conserved charge fluctuations to the QCD critical point

Speaker

Christian Schmidt

12:50-13:10

What are multiplicity distributions telling us on QCD phase diagram?

Speaker

Atsushi Nakamura

13:10-13:30

Multiplicity fluctuation from hydrodynamic noise

Speaker

Tetsufumi Hirano

13:30