28th Max Born Symposium

&

HIC for FAIR Workshop

Three Days on Quarkyonic Island

Thursday, 19.05.11

08:30 Registration
08:55 Opening: David Blaschke

chairperson: Ludwik Turko  topic: Experiment
09:00 Bellwied: Experimental evidence for color-neutral pre-hadronic states above
the critical temperature at RHIC and LHC
09:30 Markert: Resonances from hadronic and leptonic decays at RHIC energies
10:00 Cleymans: Antimatter production in heavy ion collisions
10:30 coffee break

chairperson: Kenji Morita  topic: Lattice QCD
11:00 Karsch: Universal properties of moments of net baryon number fluctuations
11:30 Philipsen: The status of the QCD Phase Diagram from Lattice Simulations
12:00 Ratti: Correlations and fluctuations from lattice QCD
12:30 Huovinen: Lattice QCD based EoS at finite baryon density
13:00 lunch break  group foto in the Aula Leopoldina of Wroclaw University

chairperson: Giorgio Torrieri  topic: Inhomogeneous islands
14:30 Broniowski: Chiral waves in quark matter - a remake
15:00 Buballa: Inhomogeneous islands and continents in the QCD phase diagram
15:30 Kojo: Interweaving Chiral Spirals in the NJL model at large density
16:00 Sedrakian: Quark matter in compact stars
16:30 coffee break

chairperson: Vladimir Skokov  topic: LPV + chiral magnetic
17:00 Sasaki: Conformal anomaly, chiral symmetry breaking and baryons in
hot/dense matter
17:30 Toneev: Chiral magnetic effect and electromagnetic field evolution in HIC
18:00 de la Incera: Quarkyonic chiral spirals in a magnetic field
18:30 Mrowczynski: Deciphering azimuthal correlations in relativistic heavy-ion collisions
19:00 – 21:00 Poster session (with Wine and Cheese Buffet)

1. Benic (Zagreb): Restoration of the UA(1) symmetry in QCD at finite T
2. Carignano (Darmstadt): Inhomogeneous chiral symmetry breaking phases
3. Deja (Warsaw): Energy loss of a fast parton in an unstable QGP
5. Jankowski (Wroclaw): Inhomogeneous phases in cold, dense holographic QCD
6. Lastowiecki (Wroclaw): EoS and compact stars in the QCD phase diagram
7. Mattiello (Giessen): Transport properties of the QGP from a virial expansion
8. Pena (Wroclaw): Quark exchange model for the production of X(3872)
10. Sazonov (Graz): Chirally symmetric but confining quarkyonic matter
11. Scheffler (Darmstadt): The PNJL model at imaginary chemical potential
12. Blaschke (Wroclaw): Chiral condensate and chemical freeze-out
chairperson: Bernd-Jochen Schaefer  
topic: HIC & Astro

09:00 Koch: Have we seen local parity violation in heavy-ion collisions?
09:30 Klaehn: Compact stars, heavy-ion collisions & lessons for QCD
10:00 Ohnishi: QCD critical point during black hole formation & in strong coupling LQCD
10:30 coffee break

chairperson: Marcus Bluhm  
topic: Phase transition

11:00 Friman: Phase transitions at finite density
11:30 Schaefer: Phase transitions for two- and three-color QCD
12:00 Skokov: The renormalization group and quark number fluctuations in the PQM model at finite baryon density
12:30 Pawlowski: The phase diagram of QCD: phase structure & thermodynamics
13:00 lunch break

chairperson: Chihiro Sasaki  
topic: Transport+Fluctuations

14:00 Braun-Munzinger: Charmonium and open charm from fixed target to collider energies
14:30 Wambach: Shear viscosity in the hadronic phase
15:00 Bluhm: Transport coefficients of deconfined strongly interacting matter
15:30 Carrington: Transport coefficients and nPI methods
16:00 coffee break

chairperson: David Blaschke  
topic: Progress Reports

17:00 Mattiello: Transport properties of the QGP from a virial expansion
17:20 Czajka: Collective excitations of a supersymmetric plasma
17:40 Herbst: The phase structure of the PQM model beyond mean field
18:00 Horvatic: Width of the QCD transition in a PL-DSE model
18:20 Carignano: Inhomogeneous chiral symmetry breaking phases
18:40 Sazonov: Chirally symmetric but confining quarkyonic matter

19:30 conference dinner


Saturday, 21.05.11

chairperson: Thomas Klaehn

09:00 Mishustin: Hydrodynamic evolution of a hot quark droplet
09:30 Schramm: Hot and dense matter in quark-hadron models
10:00 Fischer: QCD phase diagram from ordinary & dual quark condensate
10:30 Morita: Probing deconfinement in a chiral effective model with Polyakov loop from imaginary chemical potential

11:00 coffee break

chairperson: Krzysztof Redlich

11:30 Friedmann: Extended schematic model for hadrons, and what happens to the radius of an excited hadron
12:00 Glozman: Chiral restoration transition in quarkyonic matter
12:30 Torrieri: The phase diagram in T-mu-Nc space

13:00 Farewell

Important Sites:

0 ... conference site
X ... hotel
□ ... conference dinner
R ... marketplace

Version: May 17, 7:00 p.m.