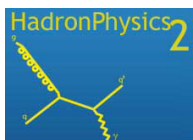


Scientific Program



The Network Workshop 'TORIC'

5 September - 8 September 2011,
Heraklion, Crete, Greece



5 September, Monday

Chair: Dirk Rischke

- 9:00-9:10 Opening
9:10-9:55 Edwin Laermann (*Uni. Bielefeld*)
 'Lecture on Lattice QCD - Part 1'
9:55-10:15 Stephan Durr (*Uni. Wuppertal & JSC at FZ Juelich*)
 'Review on Lattice QCD'
10:20-10:40 Claudia Ratti (*INFN Torino*)
 'Recent lattice QCD results on quark number susceptibilities by
 the Wuppertal-Budapest collaboration '
10:45-11:10 *coffee break*
11:10-11:30 Hubert Hansen (*IPNL Lyon*)
 'A detailed analysis of the PNJL phase diagram'
11:35-11:55 Michael Buballa (*TU Darmstadt*)
 'Shear viscosity in an NJL pion gas'
12:00-12:20 David Scheffler (*TU Darmstadt*)
 'The PNJL model at imaginary chemical potential'
afternoon break

16:30-17:00 *coffee*

Chair: Rene Bellwied

- 17:00-17:20 Stefano Carignano (*TU Darmstadt*)
 'Inhomogeneous chiral symmetry breaking phases'
17:25-17:45 Christoph Herold (*Uni. Frankfurt*)
 'Nonequilibrium phenomena in Polyakov-loop extended chiral fluid dynamics'
17:50-18:10 Nils Strodthoff (*TU Darmstadt*)
 'Two-Color Quark-Meson-Diquark Model beyond Mean Field'
18:15-18:35 Daniel Mueller (*TU Darmstadt*)
 'Color Superconducting Phases from Dyson Schwinger Equations'
18:40-19:00 Massimo Mannarelli (*IEEC/CSIC & Uni. Barcelona*)
 'Non-relativistic bound states across a thermal medium'
19:05-19:25 Rodion Kolevatov (*Uni. Oslo*)
 'Application of stochastic model to the calculation of the all-loop amplitudes
 in Reggeon field theory'
19:30 *dinner*

6 September, Tuesday

Chair: Claudia Ratti

- 9:00-9:45 Edwin Laermann (*Uni. Bielefeld*)
'Lecture on Lattice QCD - Part 2'
- 9:45-10:05 Harmen Warringa (*Uni. Frankfurt*)
'Vortex formation in a rotating two-component Fermi gas'
- 10:10-10:30 Volodymyr Konchakovski (*Uni. Giessen*)
'Chiral Magnetic Effect and Evolution of Electromagnetic Field in relativistic heavy-ion collisions'
- 10:35-11:00 *coffee break*
- 11:00-11:40 Rene Bellwied (*Uni. Houston*)
'Heavy Ions at the LHC - Where Theorists Dreams Come True'
- 11:50-12:10 Oliver Fochler (*Uni. Frankfurt*)
'Jet quenching and elliptic flow in partonic transport simulations including gluons and light quarks'
- afternoon break*
- 16:30-17:00 *coffee*
- Chair: Laszlo Csernai
- 17:00-17:20 Vitalii Ozvenchuk (*Uni. Frankfurt*)
'Dynamical equilibration of strongly-interacting 'infinite' parton matter'
- 17:25-17:45 Thomas Lang (*Uni. Frankfurt*)
'Charmonium dynamics in the UrQMD transport model'
- 17:50-18:10 Jan Uphoff (*Uni. Frankfurt*)
'A transport approach to heavy flavor in the QGP'
- 18:15-18:35 Salvatore Plumari (*INFN, Uni. Catania*)
'Anisotropic Flows and Shear Viscosity within a Transport Approach'
- 18:40-19:00 Christian Wesp (*Uni. Frankfurt*)
'Calculation of shear viscosity within transport models'
- 19:05-19:25 Guyri Wolf (*RMKI KFKI Budapest*)
'Dilepton production in pion induced reactions'
- 19:30 *Conference dinner*

7 September, Wednesday

Chair: Michael Buballa

- 9:00-9:45 Edwin Laermann (*Uni. Bielefeld*)
'Lecture on Lattice QCD - Part 3'
- 9:45-10:05 Dirk Rischke (*Uni. Frankfurt*)
'Recent results from chiral effective models'
- 10:10-10:30 Jussi Auvinen (*Uni. Jyvaskyla*)
'Quark-gluon plasma and the collisional energy loss of high-energy partons in a Monte Carlo simulation'
- 10:35-11:00 *coffee break*
- 11:00-11:20 Astrid Skaalvik (*Uni. Bergen*)
'Change of v_1 flow at LHC due to rotation'
- 11:25-11:45 Laszlo Csernai (*Uni. Bergen*)
'Questions on rotating or torqued flow, instabilities, viscosity and their measurement'
- afternoon break*
- 16:30-17:00 *coffee*
- Chair: Pasi Huovinen
- 17:00-17:20 Francesco Scardina (*INFN, Uni. Catania*)
'From the Glasma to a Quark Plasma'
- 17:25-17:45 Thierry Gousset (*SUBATECH, Nantes*)
'Radiative energy loss and damping effects'
- 17:50-18:10 Larissa Bravina (*Uni. Oslo*)
'Bulk observables, long-range correlations and ridge in pp collisions at LHC collisions within the quark-gluon string model'
- 18:15-18:35 Falk Wunderlich (*FZ Dresden - Rossendorf*)
'Iterative Hydrodynamics'
- 18:40-19:00 Evgeni Zabrodin (*Uni. Oslo*)
'Study of $\pi\pi$ correlations at LHC and RHIC energies in pp collisions within the quark-gluon string model'
- 19:05-19:25 Giuseppe Colucci (*Uni. Frankfurt*)
'R-mode oscillations and rocket term in superfluid neutron stars'
- 19:30 *dinner*

8 September, Thursday

Chair: Hubert Hansen

- 9:00-9:20 Thomas Hilger (*FZ Dresden - Rossendorf*)
'Medium modification of hadrons with charm'
- 9:25-9:45 Evgeni Kolomeitsev (*Uni. Mateja Bela Bystrica*)
'Xi meson yields in the HADES experiment'
- 9:50-10:10 Anja Habersetzler (*Uni. Frankfurt*)
'Tau Vector and Axial Vector Spectral Functions in a Linear Sigma Model and Electroweak Interactions'
- 10:15-10:35 Ilkka Helenius (*Uni. Jyvaskyla*)
'Impact parameter dependent nPDFs based on EKS98 and EPS09 parametrizations'
- 10:40-11:00 *coffee break*
- 11:00-11:20 Ioannis Bouras (*Uni. Frankfurt*)
'Investigation of ideal and viscous Mach Cones'
- 11:25-11:45 Gyulnare Eyyubova (*Uni. Oslo*)
'Jets and their role in the modification of $v_4/(v_2 \cdot v_2)$ ratio'
- 11:50 Closing of the 'TORIC' Workshop
- 19:30 *dinner*