

# **Workshop on the Physics of High Baryon Density**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

# Welcome

*Thursday, 15 December 2005 09:00 (15 minutes)*

**Presenter:** KURZ, Alexander (GSI, Darmstadt)

**Session Classification:** Plenary

Contribution ID: 1

Type: **not specified**

# Observations of Neutron Stars and the Equation of State of Nuclear Matter

*Wednesday, 14 December 2005 16:00 (1 hour)*

**Presenter:** TRÜMPER, Joachim (MPI für extrateristische Physik, Garching)

**Session Classification:** GSI Colloquium with associated contribution

Contribution ID: 2

Type: **not specified**

## Overview: OCD Phase Diagram

*Thursday, 15 December 2005 09:15 (45 minutes)*

**Presenter:** HATSUDA, Tetsuo (University of Tokyo)

**Session Classification:** Plenary

Contribution ID: 3

Type: **not specified**

## **The QDC equation of state at non-zero temperature and chemical potential**

*Thursday, 15 December 2005 10:00 (45 minutes)*

**Presenter:** KARSCH, Frithjof (BNL and Bielefeld University)

**Session Classification:** Plenary

Contribution ID: 4

Type: **not specified**

## **Phases of Dense Matter in Compact Stars**

*Thursday, 15 December 2005 11:15 (45 minutes)*

**Presenter:** WEBER, Fridolin (San Diego State University)

**Session Classification:** Plenary

Contribution ID: 5

Type: **not specified**

## **Strongly Interacting Matter at High Baryon Density**

*Thursday, 15 December 2005 12:00 (45 minutes)*

**Presenter:** RISCHKE, Dirk (Frankfurt University)

**Session Classification:** Plenary

Contribution ID: 6

Type: **not specified**

# **Dilepton Spectroscopy in (Ultra-) Relativistic Heavy-Ion Collisions**

*Thursday, 15 December 2005 14:00 (45 minutes)*

**Presenter:** RAPP, Ralf (Texas A&M University)

**Session Classification:** Plenary



Contribution ID: 7

Type: **not specified**

## Di-Electron Spectroscopy with HADES

*Thursday, 15 December 2005 14:45 (30 minutes)*

**Presenter:** HOLZMANN, Romain (GSI, Darmstadt)

**Session Classification:** Plenary

Contribution ID: 8

Type: **not specified**

## Results from CERES

*Thursday, 15 December 2005 15:15 (30 minutes)*

**Presenter:** BUSCH, Oliver (GSI, Darmstadt)

**Session Classification:** Plenary

Contribution ID: 9

Type: **not specified**

## **Results from NA60 Experiment at the CERN SPS**

*Thursday, 15 December 2005 15:45 (30 minutes)*

**Presenter:** USAI, Gianluca (University and INFN Cagliari)

**Session Classification:** Plenary

Contribution ID: **10**

Type: **not specified**

# Kinetic transport theory of heavy ion collisions

*Thursday, 15 December 2005 16:45 (30 minutes)*

**Presenter:** FUCHS, Christian (Tübingen University)

**Session Classification:** Plenary

Contribution ID: **11**

Type: **not specified**

## **Strangeness Production (Experiment)**

*Thursday, 15 December 2005 17:15 (30 minutes)*

**Presenter:** HÖHNE, Claudia (GSI, Darmstadt)

**Session Classification:** Plenary

Contribution ID: 12

Type: **not specified**

## Particle production in transport approaches

*Thursday, 15 December 2005 17:45 (30 minutes)*

**Presenter:** BRATKOVSKAYA, Elena (Frankfurt University)

**Session Classification:** Plenary

Contribution ID: 13

Type: **not specified**

## The CBM Experiment at FAIR

*Thursday, 15 December 2005 18:15 (30 minutes)*

**Presenter:** FRIESE, Volker (GSI, Darmstadt)

**Session Classification:** Plenary

Contribution ID: 14

Type: **not specified**

## **Phases of QDC - Lattice Thermodynamics vs PNJL Model**

*Friday, 16 December 2005 09:00 (45 minutes)*

**Presenter:** WEISE, Wolfram (Technical University Munich)

**Session Classification:** Plenary



Contribution ID: 15

Type: **not specified**

## **Lattice OCD at finite T and $\mu$ - phase diagram and the critical point**

*Friday, 16 December 2005 09:45 (45 minutes)*

**Presenter:** FODOR, Zoltan (Bergische Universität, Wuppertal)

**Session Classification:** Plenary

Contribution ID: **16**

Type: **not specified**

## Event by Event Fluctuations

*Friday, 16 December 2005 10:30 (30 minutes)*

**Presenter:** KOCH, Volker (LBNL, Berkeley)

**Session Classification:** Plenary

Contribution ID: 17

Type: **not specified**

## Multi-Fluid Hydrodynamics

*Friday, 16 December 2005 11:30 (30 minutes)*

**Presenter:** IVANOV, Yuri (GSI, Darmstadt)

**Session Classification:** Plenary

Contribution ID: **18**

Type: **not specified**

## Chiral Hydrodynamics

*Friday, 16 December 2005 12:00 (30 minutes)*

**Presenter:** DUMITRU, Adrian (Goethe Universität, Frankfurt)

**Session Classification:** Plenary

Contribution ID: **19**

Type: **not specified**

## **Chiral Condensate and Open Charm**

*Friday, 16 December 2005 12:30 (30 minutes)*

**Presenter:** KÄMPFER, Burkhard (Research Center Rossendorf)

**Session Classification:** Plenary