

**EMMI Rapid Reaction Task
Force Kick-Off Meeting:
Fluctuations and Correlations
and QCD Phase Transition**

Report of Contributions

Contribution ID: 0

Type: **not specified**

Phases of nuclear matter

Monday, 11 February 2013 09:00 (30 minutes)

Presenter: WEISE, Wolfram (ECT* Trento)

Session Classification: Session 1

Contribution ID: 1

Type: **not specified**

New phases of QCD

Monday, 11 February 2013 09:30 (25 minutes)

Presenter: MCLERRAN, Larry (BNL, RBRC and CCNU)

Session Classification: Session 1

Contribution ID: 2

Type: **not specified**

Recent theoretical developments in the QCD phase diagram

Monday, 11 February 2013 09:55 (25 minutes)

Presenter: WAMBACH, Jochen (TU Darmstadt)

Session Classification: Session 1

Contribution ID: 3

Type: **not specified**

Chiral phase transition and freezeout

Monday, 11 February 2013 10:45 (25 minutes)

Presenter: WETTERICH, Christian (Heidelberg University)

Session Classification: Session 1

Contribution ID: 4

Type: **not specified**

Effective gluon potential and Yang-Mills thermodynamics

Monday, 11 February 2013 11:10 (25 minutes)

Presenter: SASAKI, Chihiro (FIAS)

Session Classification: Session 1

Contribution ID: 5

Type: **not specified**

Exploring the phase structure and dynamics of QCD

Monday, 11 February 2013 11:35 (25 minutes)

Presenter: PAWLOWSKI, Jan (Heidelberg University)

Session Classification: Session 1

Contribution ID: 6

Type: **not specified**

On the relation between deconfinement and chiral phase transitions

Monday, 11 February 2013 12:00 (25 minutes)

Presenter: BRAUN, Jens (TU Darmstadt)

Session Classification: Session 1

Contribution ID: 7

Type: **not specified**

QCD phase diagram in the Schwinger-Dyson approach

Monday, 11 February 2013 14:00 (25 minutes)

Presenter: FISCHER, Christian (Giessen University)

Session Classification: Session 2

Contribution ID: 8

Type: **not specified**

EOS and hydrodynamic evolution in HIC

Monday, 11 February 2013 14:25 (25 minutes)

Presenter: HUOVIENEN, Pasi (FIAS)

Session Classification: Session 2

Contribution ID: 9

Type: **not specified**

Finite density QCD with overlap fermions

Monday, 11 February 2013 14:50 (25 minutes)

Presenter: SHARMA, Sayantan (Bielefeld University)

Session Classification: Session 2

Contribution ID: **10**

Type: **not specified**

Conserved charge fluctuations at zero and non-zero density from lattice QCD

Monday, 11 February 2013 15:15 (25 minutes)

Presenter: WAGNER, Mathias (Bielefeld University)

Session Classification: Session 2

Contribution ID: 11

Type: **not specified**

Quark number susceptibilities from resummed perturbation theory

Monday, 11 February 2013 16:20 (25 minutes)

Presenter: VUORINEN, Aleksi (Bielefeld University)

Session Classification: Session 2

Contribution ID: 12

Type: **not specified**

LGT and the CP

Monday, 11 February 2013 16:45 (25 minutes)

Presenter: PHILIPSEN, Owe (Frankfurt University)

Session Classification: Session 2

Contribution ID: 13

Type: **not specified**

The complex Langevin simulations

Monday, 11 February 2013 17:10 (25 minutes)

Presenter: STAMATESCU, Ion-Olimpiu (Heidelberg University)

Session Classification: Session 2

Contribution ID: 14

Type: **not specified**

Non-homogenous chiral condensates

Monday, 11 February 2013 17:35 (25 minutes)

Presenter: KOJO, Toru (Bielefeld University)

Session Classification: Session 2

Contribution ID: 15

Type: **not specified**

Hadron formation in relativistic nuclear collisions and the QCD phase diagram.

Tuesday, 12 February 2013 09:00 (25 minutes)

Presenter: BLEICHER, Marcus (Frankfurt University)

Session Classification: Session 3

Contribution ID: 16

Type: **not specified**

Equilibration in ultrarelativistic heavy ion collisions

Tuesday, 12 February 2013 09:25 (25 minutes)

Presenter: GREINER, Carsten (Frankfurt University)

Session Classification: Session 3

Contribution ID: 17

Type: **not specified**

Thermalisation and turbulence

Tuesday, 12 February 2013 09:50 (25 minutes)

Presenter: BERGES, Jürgen (Heidelberg University)

Session Classification: Session 3

Contribution ID: **18**

Type: **not specified**

Entropy production and thermalization

Tuesday, 12 February 2013 10:45 (25 minutes)

Presenter: SCHÄFER, Andreas (Regensburg University)

Session Classification: Session 3

Contribution ID: 19

Type: **not specified**

Quarkonium in LQCD

Tuesday, 12 February 2013 11:10 (25 minutes)

Presenter: KACZMAREK, Olaf (Bielefeld University)

Session Classification: Session 3

Contribution ID: 20

Type: **not specified**

Spectral functions at finite temperature

Tuesday, 12 February 2013 11:35 (25 minutes)

Presenter: FRANCIS, Anthony (HIM)

Session Classification: Session 3

Contribution ID: 21

Type: **not specified**

Modification of hadronic spectral functions under extreme conditions

Tuesday, 12 February 2013 12:00 (25 minutes)

Presenter: MORITA, Kenji (Kyoto University)

Session Classification: Session 3

Contribution ID: 22

Type: **not specified**

J/ ψ and QCD phase boundary

Tuesday, 12 February 2013 14:00 (25 minutes)

Presenter: ANDRONIC, Anton (GSI Darmstadt)

Session Classification: Session 4

Contribution ID: 23

Type: **not specified**

Photon production in a thermalizing holographic plasma

Tuesday, 12 February 2013 14:25 (25 minutes)

Presenter: BAIER, Rudolf (Bielefeld University)

Session Classification: Session 4

Contribution ID: 24

Type: **not specified**

Dilepton production in hot QCD medium

Tuesday, 12 February 2013 14:50 (25 minutes)

Presenter: VAN HEES, Hendrik (FIAS)

Session Classification: Session 4

Contribution ID: 25

Type: **not specified**

Fluctuations in hadronizing quark-gluon plasma

Tuesday, 12 February 2013 15:45 (25 minutes)

Presenter: CSERNAI, Laszlo (Bergen University)

Session Classification: Session 4

Contribution ID: 26

Type: **not specified**

Charge fluctuations in transport models

Tuesday, 12 February 2013 16:10 (25 minutes)

Presenter: BRATKOVSKAYA, Elena (FIAS)

Session Classification: Session 4

Contribution ID: 27

Type: **not specified**

Fluctuations in the quark-meson model with isospin

Tuesday, 12 February 2013 16:35 (25 minutes)

Presenter: VON SMEKAL, Lorenz (TU Darmstadt)

Session Classification: Session 4