

**International EMMI workshop
on critical fluctuations near
the QCD phase boundary in
relativistic nuclear collisions**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Experimental Status: ALICE

Tuesday 10 October 2017 09:00 (40 minutes)

Presenter: RUSTAMOV, Anar (National Nuclear Research Center (AZ))

Contribution ID: 2

Type: **not specified**

Experimental Status: STAR

Tuesday 10 October 2017 09:40 (40 minutes)

Presenter: LUO, Xiaofeng (Central China Normal University)

Contribution ID: 3

Type: **not specified**

Making Sense of (anti)proton Cumulants and Correlation Functions at RHIC

Tuesday 10 October 2017 10:50 (40 minutes)

Presenter: BZDAK, Adam (AGH University of Science and Technology)

Contribution ID: 4

Type: **not specified**

Unfolding the Unknown Net-distribution with Volume Fluctuation

Tuesday 10 October 2017 11:30 (40 minutes)

Presenter: ESUMI, Shinichi (University of Tsukuba (JP))

Contribution ID: 5

Type: **not specified**

Hadron Resonance Gas Model, Fluctuations and the QCD Phase Diagram

Tuesday 10 October 2017 14:00 (40 minutes)

Presenter: MOHANTY, Bedangadas (National Institute of Science Education and Research (IN))

Contribution ID: 6

Type: **not specified**

Fluctuation Observables and Equilibration in Heavy Ion Collisions

Tuesday 10 October 2017 14:40 (40 minutes)

Presenter: REDLICH, Krzysztof (University of Wroclaw (PL))

Contribution ID: 7

Type: **not specified**

CEP of the QCD Phase Transition via a Non-perturbative QCD Approach”

Tuesday 10 October 2017 16:00 (40 minutes)

Presenter: Prof. LIU, Yuxin (Peking University)

Contribution ID: 8

Type: **not specified**

Critical Enhancement and Diffusion of Non-Gaussian Fluctuations

Tuesday 10 October 2017 16:40 (40 minutes)

Presenter: Prof. KITAZAWA, Masakiyo (Osaka University)

Contribution ID: 9

Type: **not specified**

Electric Fluctuations and Conductivity at Finite Density Under a Magnetic Field

Wednesday 11 October 2017 09:00 (40 minutes)

Presenter: FUKUSHIMA, Kenji (The University of Tokyo)

Contribution ID: **10**

Type: **not specified**

Equal-time Chiral Transport Theory in the External Electromagnetic Field

Wednesday 11 October 2017 09:40 (40 minutes)

Presenter: ZHUANG, Pengfei (Tsinghua University)

Contribution ID: 11

Type: **not specified**

Effects of Phase Transition on Collective Flows From a Microscopic Transport Model

Wednesday 11 October 2017 10:50 (40 minutes)

Presenter: NARA, Yasushi (Akita International University)

Contribution ID: 12

Type: **not specified**

Diffusive Dynamics of Critical Fluctuations

Wednesday 11 October 2017 11:30 (40 minutes)

Presenter: Dr BLUHM, Marcus (University of Wroclaw)

Contribution ID: 13

Type: **not specified**

QCD Critical Point: Fluctuations and Hydrodynamics

Wednesday 11 October 2017 14:00 (40 minutes)

Presenter: STEPHANOV, Misha (UIC)

Contribution ID: 14

Type: **not specified**

Conserved Charge Fluctuations at Vanishing and Non-vanishing Baryon Chemical Potential

Wednesday 11 October 2017 14:40 (40 minutes)

Presenter: KARSCH, Frithjof (Brookhaven National Laboratory)

Contribution ID: 15

Type: **not specified**

Fluctuations from Lattice QCD

Wednesday 11 October 2017 16:00 (40 minutes)

Presenter: RATTI, Claudia (University of Houston)

Contribution ID: 16

Type: **not specified**

van der Waals Interactions Between (anti)baryons: From Nuclear Matter to Lattice QCD

Wednesday 11 October 2017 16:40 (40 minutes)

Presenter: GORENSTEIN, Mark (Bogolyubov Institute for Theoretical Physics)

Contribution ID: 17

Type: **not specified**

Particle Production of Light (u,d,s)-quarks at the QCD Phase Boundary

Thursday 12 October 2017 09:00 (40 minutes)

Presenter: BRAUN-MUNZINGER, Peter (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

Contribution ID: **18**

Type: **not specified**

Heavy Quarks and the QCD Phase Boundary

Thursday 12 October 2017 09:40 (40 minutes)

Presenter: STACHEL, Johanna (Ruprecht Karls Universitaet Heidelberg (DE))

Contribution ID: 19

Type: **not specified**

Chemical Freeze-out Parameters from Conserved Charge Fluctuations at RHIC and LHC

Thursday 12 October 2017 10:50 (40 minutes)

Presenter: BELLWIED, Rene (University of Houston (US))

Contribution ID: 20

Type: **not specified**

Critical and Non-critical Fluctuations at RHIC BES

Thursday 12 October 2017 11:30 (40 minutes)

Presenter: SONG, Huichao

Contribution ID: 21

Type: **not specified**

Transport Coefficients and the QCD Phase Structure

Thursday 12 October 2017 14:00 (40 minutes)

Presenter: PAWLOWSKI, Jan M. (University of Heidelberg)

Contribution ID: 22

Type: **not specified**

Multi Moment Cancellation of Participant Fluctuations

Thursday 12 October 2017 14:40 (40 minutes)

Presenter: BEGUN, Viktor (WUT - Warsaw University of Technology)

Contribution ID: 23

Type: **not specified**

The Fragmentation Region at Ultra-high Energies

Thursday 12 October 2017 16:00 (40 minutes)

Presenter: MCLERRAN, Larry (BNL)

Contribution ID: 24

Type: **not specified**

Lessons from Differential Correlation Measurements

Thursday 12 October 2017 16:40 (40 minutes)

Presenter: Prof. PRUNEAU, Claude Andre (Wayne State University (US))

Contribution ID: 25

Type: **not specified**

Functional Renormalization Group Study of Phase Diagram in the Quark-Meson Model

Friday 13 October 2017 09:00 (40 minutes)

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Presenter: HOU, Defu

Contribution ID: 26

Type: **not specified**

Investigating the RHIC-BES Physics Based on an Extended AMPT Model with Mean-field Potentials

Friday 13 October 2017 09:40 (40 minutes)

Presenter: XU, Jun

Contribution ID: 27

Type: **not specified**

Coffee Break

Contribution ID: 28

Type: **not specified**

QCD Phase Transitions and Baryon Number Fluctuations within FRG

Friday 13 October 2017 10:50 (40 minutes)

Presenter: FU, Weijie

Contribution ID: 29

Type: **not specified**

Probing QCD Critical Fluctuation from Light Nuclei Production in Relativistic Heavy-ion Collisions

Friday 13 October 2017 11:30 (30 minutes)

Presenter: SUN, KaiJia

Contribution ID: **30**

Type: **not specified**

Signals for Critical End Point With an Inhomogeneous Phase and Mesonic Fluctuations

Friday 13 October 2017 14:00 (30 minutes)

Presenter: CAO, Gaoqing

Contribution ID: **31**

Type: **not specified**

Correction Methods for Detector Effect on Cumulants

Friday 13 October 2017 14:30 (30 minutes)

Presenter: NONAKA, Toshihiro (Univ. Tsukuba)

Contribution ID: 32

Type: **not specified**

Dynamical Cumulants of the Chiral Order Parameter in a Realistic Heavy-ion Collision Scenario

Friday 13 October 2017 15:00 (30 minutes)

Presenter: HEROLD, Christoph (Suranaree University of Technology)