# Criticality in QCD and the Hadron Resonance Gas

# Report of Contributions

https://events.ift.uni.wroc.pl/e/criticality20

Contribution ID : **9** Type : **not specified**

# Bedangadas Mohanty, Net-proton number fluctuations and QCD critical point

Contribution ID : **10** Type : **not specified**

# Opening/Chair:

**Presenter(s) :** KARSCH, Frithjof

Contribution ID : **11** Type : **not specified**

# Bedangadas Mohanty, Net-proton number fluctuations and QCD critical point

Contribution ID : **12** Type : **not specified**

# Chair:

**Presenter(s) :** STACHEL, Johanna

Contribution ID : **13** Type : **not specified**

# Chair:

**Presenter(s) :** LO, Pok Man

Contribution ID : **14** Type : **not specified**

# Open Discussion

*Wednesday, 29 July 2020 19:00 (30)*

Contribution ID : **15** Type : **not specified**

# Chair:

**Presenter(s) :** MARCZENKO, Michal

Contribution ID : **16** Type : **not specified**

# Chair:

**Presenter(s) :** BRAUN-MUNZINGER, Peter

Contribution ID : **17** Type : **not specified**

# Chair:

**Presenter(s) :** GAVAI, Rajiv (Rgavai@physik.uni-bielefeld.de )

Contribution ID : **18** Type : **not specified**

# Announcements

**Presenter(s) :** TURKO, Ludwik (lturko@uwr.edu.pl)

Contribution ID : **19** Type : **not specified**

# Open Discussion

*Thursday, 30 July 2020 18:30 (30)*

Contribution ID : **20** Type : **not specified**

# Chair:

**Presenter(s) :** SATZ, Helmut

Contribution ID : **21** Type : **not specified**

# Chair:

**Presenter(s) :** TURKO, Ludwik (ludwik.turko@uwr.edu.pl)

Contribution ID : **22** Type : **not specified**

# Chair:

**Presenter(s) :** REDLICH, Krzysztof

Contribution ID : **23** Type : **not specified**

# Announcements

*Friday, 31 July 2020 18:00 (10)*

**Presenter(s) :** TURKO, Ludwik (ludwik.turko@uwr.edu.pl)

Contribution ID : **24** Type : **not specified**

# Open Discussion

*Friday, 31 July 2020 18:10 (30)*

Contribution ID : **28** Type : **not specified**

# Quark-Flavor Dependence of Transport Parameters in Hot QCD: the Quasiparticle Perspective

*Wednesday, 29 July 2020 15:45 (30)*

**Presenter(s) :** MYKHAYLOVA, Valeriya

Contribution ID : **29** Type : **not specified**

# Charm and beauty spectral and transport properties

*Wednesday, 29 July 2020 16:15 (30)*

**Presenter(s) :** KACZMAREK, Olaf

Contribution ID : **30** Type : **not specified**

# Polaykov loops in the chiral limit

*Wednesday, 29 July 2020 18:30 (30)*

**Presenter(s) :** CLARKE, David

Contribution ID : **31** Type : **not specified**

# QCD transition line from the lattice

*Wednesday, 29 July 2020 17:00 (30)*

**Presenter(s) :** RATTI, Claudia

Contribution ID : **32** Type : **not specified**

# Universal scaling properties of QCD clos to the chiral limit

*Wednesday, 29 July 2020 17:30 (30)*

**Presenter(s) :** LAHIRI, Anirban

Contribution ID : **33** Type : **not specified**

# Net-proton number fluctuations and QCD critical point

*Wednesday, 29 July 2020 13:30 (30)*

**Presenter(s) :** MOHANTY, Bedangadas

Contribution ID : **34** Type : **not specified**

# Net baryon-number fluctuations

*Wednesday, 29 July 2020 14:00 (30)*

**Presenter(s) :** SCHMIDT, Christian

Contribution ID : **35** Type : **not specified**

# Comparing conserved charge fluctuations from lattice QCD to HRG model calculations

*Wednesday, 29 July 2020 14:30 (30)*

**Presenter(s) :** GOSWAMI, Jishnu

Contribution ID : **36** Type : **not specified**

# Shear viscosity in QCD, and why it's hard to calculate

*Wednesday, 29 July 2020 15:15 (30)*

**Presenter(s) :** MOORE, Guy

Contribution ID : **37** Type : **not specified**

# Deconfinement and hadron resonance gas for heavy hadrons

*Wednesday, 29 July 2020 18:00 (30)*

**Presenter(s) :** PETRECZKY, Peter

Contribution ID : **38** Type : **not specified**

# Screening masses towards chiral limit

*Thursday, 30 July 2020 14:00 (30)*

**Presenter(s) :** DENTINGER, Simon

Contribution ID : **39** Type : **not specified**

# QCD in the heavy dense regime, large N_c and quarkyonic matter

*Thursday, 30 July 2020 14:30 (30)*

**Presenter(s) :** PHILIPSEN, Owe

Contribution ID : **40** Type : **not specified**

# Hadron yields in central nucleus-nucleus collisions, the statistical hadronization model and the QCD phase diagram

*Thursday, 30 July 2020 15:15 (30)*

**Presenter(s) :** ANDRONIC, Anton

Contribution ID : **41** Type : **not specified**

# Search for the QCD Point - Selected Results from RHIC Beam Energy Scan Program

*Thursday, 30 July 2020 15:45 (30)*

**Presenter(s) :** XU, Nu

Contribution ID : **42** Type : **not specified**

# Establishing a non-critical baseline for fluctuation observable

*Thursday, 30 July 2020 16:15 (30)*

**Presenter(s) :** RUSTAMOV, Anar

Contribution ID : **43** Type : **not specified**

# Fluctuation and Conservation

*Thursday, 30 July 2020 17:00 (30)*

**Presenter(s) :** KOCH, Volker

Contribution ID : **44** Type : **not specified**

# Higher order cumulants of electric charge and strangeness fluctuations on the crossover line

*Thursday, 30 July 2020 17:30 (30)*

**Presenter(s) :** BOLLWEG, Dennis

Contribution ID : **45** Type : **not specified**

# Conserved charge fluctuations in the chiral limit

*Thursday, 30 July 2020 18:00 (30)*

**Presenter(s) :** SARKAR, Mugdha

Contribution ID : **46** Type : **not specified**

# Conundrums at Finite Density

*Friday, 31 July 2020 13:30 (30)*

**Presenter(s) :** GAVAI, Rajiv

Contribution ID : **47** Type : **not specified**

# QCD phase structure in a background magnetic field

*Friday, 31 July 2020 14:00 (30)*

**Presenter(s) :** DING, Heng-Tong

Contribution ID : **48** Type : **not specified**

# Deconfinement and the explicit center symmetry breaking in the strong magnetic field

*Friday, 31 July 2020 14:30 (30)*

**Presenter(s) :** SZYMANSKI, Michal

Contribution ID : **49** Type : **not specified**

# Unified quark-hadron EoS and CEP in the QCD Phase Diagram

*Friday, 31 July 2020 15:15 (30)*

**Presenter(s) :** BLASCHKE, David

Contribution ID : **50** Type : **not specified**

# Multiplicity dependence of (multi-)strange hadrons in the canonical ensemble with phase shift corrections

*Friday, 31 July 2020 15:45 (30)*

**Presenter(s) :** CLEYMANS, Jean

Contribution ID : **51** Type : **not specified**

# Thermodynamics of a Coupled-Channel system

*Friday, 31 July 2020 16:15 (30)*

**Presenter(s) :** LO, Pok Man

Contribution ID : **52** Type : **not specified**

# Towards a unified equation of state for multi-messenger astronomy

*Friday, 31 July 2020 17:00 (30)*

**Presenter(s) :** MARCZENKO, Michał

Contribution ID : **53** Type : **not specified**

# Hydrodynamics formalism with Spin dynamics

*Friday, 31 July 2020 17:30 (30)*

**Presenter(s) :** SINGH, Rajeev