

**Quo vadis QCD theory:
heavy-ion collision perspectives
and beyond**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Talk 2

Contribution ID: 2

Type: **not specified**

Welcome

Monday, September 30, 2019 1:00 PM (30 minutes)

Contribution ID: 3

Type: **not specified**

Emergence of collectivity in pp, pA and AA collisions at the LHC

Tuesday, October 1, 2019 8:30 AM (45 minutes)

Presenter: KURKELA, Eero Aleks (CERN)

Session Classification: General presentations

Contribution ID: 4

Type: **not specified**

Towards dependable real-time dynamics from lattice QCD

Monday, September 30, 2019 1:30 PM (45 minutes)

Presenter: ROTHKOPF, Alexander (University of Stavanger)

Session Classification: General presentations

Contribution ID: 5

Type: **not specified**

Quo vadis quarkonium measurements as probe of the QCD medium

Monday, September 30, 2019 3:00 PM (45 minutes)

Presenter: ARSENE, Ionut Cristian (University of Oslo (NO))

Session Classification: General presentations

Contribution ID: 6

Type: **not specified**

Testing the QCD (or QCD-like) phase transition with GW observatories?

Monday, September 30, 2019 5:00 PM (45 minutes)

Presenter: NARDINI, Germano (Universitaet Bern)

Session Classification: General presentations

Contribution ID: 7

Type: **not specified**

"Why are we here?" A presentation of Norwegian activities

Tuesday, October 1, 2019 4:15 PM (30 minutes)

Session Classification: General presentations

Contribution ID: 8

Type: **not specified**

Real-time lattice simulations of overoccupied gluodynamics

Tuesday, October 1, 2019 9:15 AM (45 minutes)

Presenter: LAPPI, Tuomas (University of Jyvaskyla)

Session Classification: General presentations

Contribution ID: 9

Type: **not specified**

Probing space-time structure and thermalization of QCD jets

Monday, September 30, 2019 4:15 PM (45 minutes)

Presenter: TYWONIUK, Konrad (University of Bergen (NO))

Session Classification: General presentations

Contribution ID: **10**

Type: **not specified**

Pion and kaon condensation. CphT versus lattice

Tuesday, October 1, 2019 10:30 AM (45 minutes)

Presenter: Prof. ANDERSEN, Jens Oluf (NTNU)

Session Classification: General presentations

Contribution ID: 11

Type: **not specified**

Continuity from neutron matter to two-flavor quark matter with 1S0 and 3P2 superfluidity

Tuesday, October 1, 2019 3:00 PM (45 minutes)

Presenter: Prof. FUKUSHIMA, Kenji (The University of Tokyo)

Session Classification: General presentations

Contribution ID: 12

Type: **not specified**

Neutron stars as a laboratory for dense QCD matter

Tuesday, October 1, 2019 1:30 PM (45 minutes)

Presenter: Prof. VUORINEN, Aleksi (University of Helsinki)

Session Classification: General presentations

Contribution ID: 13

Type: **not specified**

Delineating the properties of matter in cold, dense QCD

Tuesday, October 1, 2019 2:15 PM (45 minutes)

Presenter: Prof. KOJO, Toru (Central China Normal University)

Session Classification: General presentations

Contribution ID: 14

Type: **not specified**

Binary Hybrid Star Mergers and the Phase Diagram of Quantum Chromodynamics

Wednesday, October 2, 2019 8:30 AM (45 minutes)

Presenter: HANAUSKE, Matthias

Session Classification: General presentations

Contribution ID: 15

Type: **not specified**

Dense nuclear matter and gravitational waves

Wednesday, October 2, 2019 9:15 AM (45 minutes)

Presenter: NIELSEN, Alex (University of Stavanger)

Session Classification: General presentations

Contribution ID: 16

Type: **not specified**

"Quo vadis QCD" Nuclear physics at present/future colliders and in the Universe

Tuesday, October 1, 2019 4:45 PM (1 hour)

Session Classification: General presentations

Contribution ID: 17

Type: **not specified**

Quantum tunneling, real-time dynamics and Picard-Lefschetz thimbles

Wednesday, October 2, 2019 10:30 AM (45 minutes)

Presenter: TRANBERG, Anders

Session Classification: General presentations

Contribution ID: 18

Type: **not specified**

Quark and gluon contribution to the QCD trace anomaly

Presenter: Dr HATTA, Yoshitaka (BNL)

Session Classification: General presentations

Contribution ID: 19

Type: **not specified**

Forward physics at the ALICE experiment

Wednesday, October 2, 2019 11:15 AM (45 minutes)

Presenter: ROHRICH, Dieter (Department of Physics & Technology-University of Bergen)

Session Classification: General presentations

Contribution ID: 20

Type: **not specified**

Emergence of collectivity in pp, pA and AA collisions at the LHC

Presenter: KURKELA, Eero Aleks (CERN)

Session Classification: General presentations

Contribution ID: 21

Type: **not specified**

What can quarkonium tell us about the QGP?

Monday, September 30, 2019 2:15 PM (45 minutes)

Presenter: Dr AKAMATSU, Yukinao (Osaka University)

Session Classification: General presentations

Contribution ID: 22

Type: **not specified**

Quark and gluon contribution to the QCD trace anomaly

Tuesday, October 1, 2019 11:15 AM (45 minutes)

Presenter: HATTA, Yoshitaka (BNL)

Session Classification: General presentations