

**Workshop on Partonic and  
Hadronic Transport  
Approaches for Relativistic  
Heavy Ion Collisions**

**Report of Contributions**

Contribution ID: 12

Type: **not specified**

## Opening and welcome

*Saturday, 11 May 2019 09:00 (10 minutes)*

**Presenter:** Prof. YU, Chang-shui

**Session Classification:** Session-1

Contribution ID: 13

Type: **not specified**

## **50 years scientific career and AMPT history**

*Saturday, 11 May 2019 09:10 (35 minutes)*

**Primary author:** Prof. CHE MING, Ko (Texas A&M University)

**Presenter:** Prof. CHE MING, Ko (Texas A&M University)

**Session Classification:** Session-1

Contribution ID: 14

Type: **not specified**

## Hadrons in medium

*Saturday, 11 May 2019 09:45 (25 minutes)*

**Presenter:** Prof. LEE, Su Houng (Yonsei University)

**Session Classification:** Session-1

Contribution ID: 15

Type: **not specified**

# Probing QCD Phase Diagram from Coalescence Production of Light Nuclei in Heavy-Ion Collisions

*Saturday, 11 May 2019 10:10 (25 minutes)*

**Presenter:** Prof. LIE-WEN, Chen (Shanghai Jiao Tong University)

**Session Classification:** Session-1

Contribution ID: 16

Type: **not specified**

## **Large v2 with small cross section**

*Saturday, 11 May 2019 11:00 (25 minutes)*

**Presenter:** Prof. DENES, Molnar (Purdue University)

**Session Classification:** Session-2

Contribution ID: 17

Type: **not specified**

## **Multi-phase transport model predictions of isobaric collisions with nuclear structures from density functional theory**

*Saturday, 11 May 2019 11:25 (25 minutes)*

**Presenter:** Dr HAN-LIN, Li (Wuhan University of Science and Technology)

**Session Classification:** Session-2

Contribution ID: **18**

Type: **not specified**

## **Thermal behaviors of light-flavor mesons at low temperatures**

*Saturday, 11 May 2019 11:50 (25 minutes)*

**Presenter:** Prof. ZHI-HUI, Guo (Hebei Normal University)

**Session Classification:** Session-2



Contribution ID: 19

Type: **not specified**

## **Hadronization of QGP during the first-order phase transition**

*Saturday, 11 May 2019 14:30 (25 minutes)*

**Presenter:** Prof. ZHE, Xu (Tsinghua University)

**Session Classification:** Session-3

Contribution ID: 20

Type: **not specified**

## **Update of a Multi-Phase Transport Model with Modern Parton Distribution Functions and Nuclear Shadowing**

*Saturday, 11 May 2019 14:55 (25 minutes)*

**Presenter:** Mr CHAO, Zhang (Central China Normal University)

**Session Classification:** Session-3

Contribution ID: 21

Type: **not specified**

## **Improvement for the open charm production in a multi-phase transport model**

*Saturday, 11 May 2019 15:20 (25 minutes)*

**Presenter:** Dr LIANG, Zheng (China University of Geosciences)

**Session Classification:** Session-3

Contribution ID: 22

Type: **not specified**

# Machine Learning for Relativistic Heavy Ion Collisions

*Saturday, 11 May 2019 16:05 (25 minutes)*

**Presenter:** Prof. HUI-CHAO, Song (Peking University)

**Session Classification:** Session-4

Contribution ID: 23

Type: **not specified**

# Hydrodynamic fluctuations in integrated dynamical model

*Saturday, 11 May 2019 16:30 (25 minutes)*

**Presenter:** Dr KOICHI, Murase (Sophia University)

**Session Classification:** Session-4

Contribution ID: 24

Type: **not specified**

## **Multi-pion BE correlations for the granular source with coherent pion-emission droplets**

*Saturday, 11 May 2019 16:55 (25 minutes)*

**Presenter:** Prof. WEI-NING, Zhang (Dalian University of Technology)

**Session Classification:** Session-4

Contribution ID: 25

Type: **not specified**

## **Hydrodynamic collectivity proton + proton collisions at 13 TeV**

*Saturday, 11 May 2019 17:20 (25 minutes)*

**Presenter:** Mr WENBIN, Zhao (Peking University)

**Session Classification:** Session-4

Contribution ID: 26

Type: **not specified**

## Spin in kinetic theory

*Sunday, 12 May 2019 09:00 (25 minutes)*

**Presenter:** Prof. PENGFEI, Zhuang (Tsinghua University)

**Session Classification:** Session-5



Contribution ID: 27

Type: **not specified**

## **Partonic model simulations of vorticity and spin polarization in heavy-ion collisions**

*Sunday, 12 May 2019 09:25 (25 minutes)*

**Presenter:** Prof. XU-GUANG, Huang (Fudan University)

**Session Classification:** Session-5

Contribution ID: 28

Type: **not specified**

## **QCD phase structure within FRG and AMPT**

*Sunday, 12 May 2019 09:50 (25 minutes)*

**Presenter:** Prof. WEI-JIE, Fu (Dalian University of Technology)

**Session Classification:** Session-5

Contribution ID: 29

Type: **not specified**

## **Flow and centrality fluctuations in PbPb collisions**

*Sunday, 12 May 2019 10:35 (25 minutes)*

**Presenter:** Prof. JIANGYONG, Jia (Stony Brook University and BNL)

**Session Classification:** Session-6

Contribution ID: 30

Type: **not specified**

## **Chiral crossover and phase transition in (2+1)-flavor QCD**

*Sunday, 12 May 2019 11:00 (25 minutes)*

**Presenter:** Prof. HENG-TONG, Ding (Central China Normal University)

**Session Classification:** Session-6

Contribution ID: 31

Type: **not specified**

## **Search for the QCD critical point in the Beam Energy Scan at RHIC: Status and Prospect**

*Sunday, 12 May 2019 11:25 (25 minutes)*

**Presenter:** Prof. XIAOFENG, Luo (Central China Normal University)

**Session Classification:** Session-6

Contribution ID: 32

Type: **not specified**

## **Transport simulations of intermediate-energy heavy-ion collisions**

*Sunday, 12 May 2019 11:50 (25 minutes)*

**Presenter:** Prof. JUN, Xu (Shanghai Advanced Research Institute, CAS)

**Session Classification:** Session-6

Contribution ID: 33

Type: **not specified**

## **Hydrodynamic quantum molecular dynamics approach in JAM**

*Sunday, 12 May 2019 14:30 (25 minutes)*

**Presenter:** Prof. YASUSHI, Nara (Akita International University)

**Session Classification:** session-7

Contribution ID: 34

Type: **not specified**

## **Two-particle angular correlations in heavy ion collisions from a multiphase transport**

*Sunday, 12 May 2019 14:55 (25 minutes)*

**Presenter:** Mr LIUYAO, Zhang (Shanghai institute of Applied physics)

**Session Classification:** session-7



Contribution ID: 35

Type: **not specified**

## **The effect of single particle momentum-space correlation in two-pion HBT analysis**

*Sunday, 12 May 2019 15:20 (25 minutes)*

**Presenter:** Dr HANG, Yang (Harbin Institute of Technology)

**Session Classification:** session-7

Contribution ID: 36

Type: **not specified**

## **Exploring anti-Li4 by momentum correlation function of anti-p and anti-He3**

*Sunday, 12 May 2019 15:45 (25 minutes)*

**Presenter:** Mr BAOSHAN, Xi (Shanghai Institute of Applied Physics)

**Session Classification:** session-7

Contribution ID: 37

Type: **not specified**

## **Simulating chiral anomalous effects with AMPT**

*Sunday, 12 May 2019 16:25 (25 minutes)*

**Presenter:** Prof. GUO-LIANG, Ma (Fudan University)

**Session Classification:** session-8

Contribution ID: 38

Type: **not specified**

## **Summary of recent AMPT developments and future directions**

*Sunday, 12 May 2019 16:50 (35 minutes)*

**Presenter:** Prof. ZI-WEI, Lin (East Carolina University)

**Session Classification:** session-8