

# **Opportunities and Challenges with Jets at LHC and beyond**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcome Address

*Sunday 10 June 2018 08:30 (10 minutes)*

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

**Session Classification:** Session I

Contribution ID: 2

Type: **not specified**

## **Experimental brainstorm: opportunities and challenges in jet measurements**

*Sunday 10 June 2018 08:40 (40 minutes)*

**Presenter:** MORSCH, Andreas (CERN)

**Session Classification:** Session I

Contribution ID: 3

Type: **not specified**

## **Theoretical brainstorm: opportunities and challenges in jet measurements**

*Sunday 10 June 2018 09:20 (40 minutes)*

**Presenter:** WANG, Xin-Nian (Central China Normal University (China)) / Lawrence Berkeley National Laboratory (USA)

**Session Classification:** Session I

Contribution ID: 4

Type: **not specified**

## **Flow-subtracted awayside jetlike correlations relative to the reaction plane**

**Presenter:** WANG, Fuqiang (Purdue University (US))

**Session Classification:** Session II

Contribution ID: 5

Type: **not specified**

## **Jet substructure observables involving hadrons and subjects**

*Sunday 10 June 2018 11:00 (30 minutes)*

**Presenter:** RINGER, Felix (Lawrence Berkeley National Laboratory)

**Session Classification:** Session II

Contribution ID: 6

Type: **not specified**

## jet-hadron correlations

*Sunday 10 June 2018 14:00 (30 minutes)*

**Presenter:** NATTRASS, Christine (University of Tennessee (US))

**Session Classification:** Session III

Contribution ID: 7

Type: **not specified**

## Heavy flavors in heavy ion collisions

*Monday 11 June 2018 08:30 (30 minutes)*

**Presenter:** ZHUANG, Pengfei (Tsinghua University)

**Session Classification:** Session I



Contribution ID: 8

Type: **not specified**

## $\gamma$ -jet fragmentation function & jet-induced medium response

*Monday 11 June 2018 16:00 (30 minutes)*

**Presenter:** CHEN, WEI (CCNU)

**Session Classification:** Session IV

Contribution ID: 9

Type: **not specified**

**tbd**

**Session Classification:** Session II

Contribution ID: **10**

Type: **not specified**

## Wrap up: Prospective for jet physics

*Tuesday 12 June 2018 11:10 (40 minutes)*

**Presenter:** LEE, Yen-Jie (Massachusetts Inst. of Technology (US))

**Session Classification:** Session II

Contribution ID: 11

Type: **not specified**

## Wrap up: prospective for heavy flavor physics

*Tuesday 12 June 2018 10:30 (40 minutes)*

**Presenter:** XIE, Wei (Purdue University (US))

**Session Classification:** Session II

Contribution ID: 12

Type: **not specified**

## Centrality fluctuations in heavy ion collisions

*Tuesday 12 June 2018 09:00 (30 minutes)*

**Presenter:** JIA, Jiangyong (Stony brook University (US))

**Session Classification:** Session I

Contribution ID: **13**

Type: **not specified**

## Close remark

*Tuesday 12 June 2018 11:50 (10 minutes)*

**Author:** ZHANG, Ben-Wei (Central China Normal University)

**Presenters:** ZHANG, Ben-Wei (Central China Normal University); WANG, Xin-Nian (Central China Normal University (China)) / Lawrence Berkeley Na

**Session Classification:** Session II

Contribution ID: 14

Type: **not specified**

## **Probing the Color Structure of the Perfect QCD Fluids via Soft-Hard-Event-by-Event Azimuthal Correlations**

*Tuesday 12 June 2018 08:30 (30 minutes)*

**Presenter:** LIAO, Jinfeng (Indiana University)

**Session Classification:** Session I

Contribution ID: 15

Type: **not specified**

## Recent STAR Jet and High $p_T$ Results

*Sunday 10 June 2018 11:30 (30 minutes)*

**Presenter:** YI, Li (Yale University)

**Session Classification:** Session II



Contribution ID: **16**

Type: **not specified**

## **Hadronization: From Dilute To Dense Systems**

*Tuesday 12 June 2018 09:30 (30 minutes)*

**Presenter:** FRIES, Rainer (Texas A&M University)

**Session Classification:** Session I

Contribution ID: 17

Type: **not specified**

## Experimental heavy flavor physics overview

*Monday 11 June 2018 09:00 (30 minutes)*

**Presenter:** TANG, Zebo (University of Science and Technology of China (CN))

**Session Classification:** Session I

Contribution ID: **18**

Type: **not specified**

**tbd**

**Presenter:** HE, Min

**Session Classification:** Session I

Contribution ID: 19

Type: **not specified**

## Heavy Quarkonium Dissociation by Thermal Gluons at Next-to-leading in the Quark-Gluon Plasma

*Monday 11 June 2018 09:30 (30 minutes)*

**Presenter:** HE, Min (Nanjing University of Science & Technology)

**Session Classification:** Session I

Contribution ID: 20

Type: **not specified**

## **h+jet correlations in ALICE**

*Sunday 10 June 2018 15:00 (30 minutes)*

**Presenter:** KRIZEK, Filip (Acad. of Sciences of the Czech Rep. (CZ))

**Session Classification:** Session III

Contribution ID: **21**

Type: **not specified**

**tbd**

**Session Classification:** Session III

Contribution ID: 22

Type: **not specified**

## **Multiplicity-dependent jet modification in p+p collisions at LHC energies**

*Sunday 10 June 2018 16:00 (30 minutes)*

**Presenter:** VERTESI, Robert (Hungarian Academy of Sciences (HU))

**Session Classification:** Session IV

Contribution ID: 23

Type: **not specified**

## **Measurements of open-bottom and -charm hadron productions with STAR detector**

*Monday 11 June 2018 14:00 (30 minutes)*

**Presenter:** Dr OH, Kunsu (Central China Normal University)

**Session Classification:** Session II



Contribution ID: 24

Type: **not specified**

## **Calibrate a linear Boltzmann + Langevin hybrid heavy quark transport model in heavy-ion collisions at the LHC**

*Monday 11 June 2018 14:30 (30 minutes)*

**Presenter:** KE, Weiyao (Duke University)

**Session Classification:** Session II

Contribution ID: 25

Type: **not specified**

## **D-meson production in jets in pp and PbPb collisions with the CMS detector**

*Monday 11 June 2018 10:30 (30 minutes)*

**Presenter:** WANG, Jing (Massachusetts Inst. of Technology (US))

**Session Classification:** Session III

Contribution ID: 26

Type: **not specified**

## **probing the QGP transport properties with jet correlations**

*Sunday 10 June 2018 14:30 (30 minutes)*

**Presenter:** Mr CHEN, Lin (Central China Normal University)

**Session Classification:** Session III

Contribution ID: 27

Type: **not specified**

## **The Production and Angular Correlations of the $b\bar{b}$ Dijet in Pb+Pb collision at LHC**

*Monday 11 June 2018 11:00 (30 minutes)*

**Presenter:** Dr DAI, Wei (China University of Geosciences)

**Session Classification:** Session III

Contribution ID: 28

Type: **not specified**

## **$Z^0$ -jet correlation with NLO-matched parton-shower and jet-medium interaction in high-energy nuclear collisions**

*Sunday 10 June 2018 17:30 (30 minutes)*

**Presenter:** Mr ZHANG, Shanliang (Central China Normal University)

**Session Classification:** Session IV

Contribution ID: 29

Type: **not specified**

# Linear Boltzmann Transport for Jet propagation in the Quark Gluon Plasma

*Sunday 10 June 2018 16:30 (30 minutes)*

**Presenter:** LUO, Tan (Central China Normal University)

**Session Classification:** Session IV

Contribution ID: 30

Type: **not specified**

## jet physics overview in ALICE

*Sunday 10 June 2018 10:30 (30 minutes)*

**Presenter:** CHUJO, Tatsuya (University of Tsukuba (JP))

**Session Classification:** Session II

Contribution ID: 31

Type: **not specified**

## HF jets and correlations with ALICE

*Monday 11 June 2018 11:30 (30 minutes)*

**Presenter:** ZHANG, Xiaoming (Central China Normal University CCNU (CN))

**Session Classification:** Session III



Contribution ID: **32**

Type: **not specified**

## Open HF in Pb-Pb collisions with ALICE

*Monday 11 June 2018 15:00 (30 minutes)*

**Presenter:** ZHANG, Zuman (Central China Normal University CCNU (CN))

**Session Classification:** Session II

Contribution ID: 33

Type: **not specified**

## **Probing medium-induced jet splitting and energy loss in heavy-ion collisions**

*Sunday 10 June 2018 17:00 (30 minutes)*

**Presenter:** NINGBO, Chang

**Session Classification:** Session IV

Contribution ID: **34**

Type: **not specified**

## Discussions

*Monday 11 June 2018 17:00 (1 hour)*

**Presenters:** JACAK, Barbara (University of California Berkeley (US)); ANTINORI, Federico (Università e INFN, Padova (IT))

**Session Classification:** Session IV

Contribution ID: 35

Type: **not specified**

## Measurement of photon-tagged jet substructure with CMS

*Monday 11 June 2018 16:30 (30 minutes)*

**Presenter:** BI, Ran (Massachusetts Inst. of Technology (US))

**Session Classification:** Session IV