

# **4th Heavy-Ion Jet Workshop**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **Pre-session coffee**

*Monday 25 July 2016 09:30 (30 minutes)*

Contribution ID: 1

Type: **not specified**

## **Jet structure in heavy-ion collisions**

*Monday 25 July 2016 10:15 (45 minutes)*

**Presenter:** MEHTAR-TANI, Yacine (INT, University of Washington)

**Session Classification:** Jet structure and energy flow

Contribution ID: 2

Type: **not specified**

## What have we learned from missing $p_T$ ?

*Monday 25 July 2016 11:00 (30 minutes)*

**Presenter:** MC GINN, Christopher (Massachusetts Inst. of Technology (US))

**Session Classification:** Jet structure and energy flow

Contribution ID: 3

Type: **not specified**

## Welcome

*Monday 25 July 2016 10:00 (15 minutes)*

**Presenter:** NGUYEN, Matthew (Centre National de la Recherche Scientifique (FR))

**Session Classification:** Jet structure and energy flow

Contribution ID: 4

Type: **not specified**

## **Heavy-quark energy-loss via angular correlations between heavy and light mesons**

*Monday 25 July 2016 11:30 (30 minutes)*

Angular correlations in parton showers

### **Summary**

**Presenter:** ROHRMOSER, Martin (SUBATECH/Ecole des Mines de Nantes)

**Session Classification:** Jet structure and energy flow

Contribution ID: 5

Type: **not specified**

## **nPDF measurements**

*Monday 25 July 2016 13:00 (30 minutes)*

**Presenter:** GULHAN, Doga Can (CERN)

**Session Classification:** Nuclear PDFs

Contribution ID: 6

Type: **not specified**

## **nPDFs and the LHC**

*Monday 25 July 2016 13:30 (30 minutes)*

**Presenter:** KUSINA, Aleksander (LPSC Grenoble)

**Session Classification:** Nuclear PDFs



Contribution ID: 7

Type: **not specified**

## **Jets in small systems**

**Presenter:** PEREPELITSA, Dennis Vadimovich (Brookhaven National Laboratory (US))

**Session Classification:** Nuclear PDFs

Contribution ID: 8

Type: **not specified**

## **Evolution of the Jet Opening Angle Distribution in Strongly Coupled Plasma**

*Monday 25 July 2016 15:15 (30 minutes)*

**Presenter:** RAJAGOPAL, Krishna (Massachusetts Inst. of Technology (US))

**Session Classification:** Theoretical developments

Contribution ID: 9

Type: **not specified**

## **Medium Response and Coherence effects in Jet Quenching**

*Monday 25 July 2016 15:45 (45 minutes)*

**Presenter:** Mr PABLOS, Daniel (Universitat de Barcelona)

**Session Classification:** Theoretical developments

Contribution ID: **10**

Type: **not specified**

## **Resolution Effects in the Hybrid Strong/Weak Coupling Model**

*Monday 25 July 2016 16:30 (30 minutes)*

**Presenter:** HULCHER, Zachary (Massachusetts Inst. of Technology (US))

**Session Classification:** Theoretical developments

Contribution ID: 11

Type: **not specified**

## The JetScape Project

**Presenter:** MAJUMDER, Abhijit (Wayne state university)

**Session Classification:** Future developments

Contribution ID: 12

Type: **not specified**

## **Jet Measurements in the Future**

*Tuesday 26 July 2016 11:15 (30 minutes)*

**Presenter:** ROLAND, Christof (Massachusetts Inst. of Technology (US))

**Session Classification:** Future developments

Contribution ID: 13

Type: **not specified**

## The sPHENIX experiment

*Tuesday 26 July 2016 10:00 (45 minutes)*

### Summary

**Presenter:** ROLAND, Gunther (Massachusetts Inst. of Technology (US))

**Session Classification:** Future developments

Contribution ID: 14

Type: **not specified**

## Heavy-flavour measurements in heavy-ions

*Tuesday 26 July 2016 13:00 (45 minutes)*

**Presenter:** BRUNA, Elena (Universita e INFN Torino (IT))

**Session Classification:** Flavor dependence of quenching I



Contribution ID: 15

Type: **not specified**

## Heavy flavor theory (TBC)

**Presenter:** NAHRGANG, Marlene

**Session Classification:** Flavor dependence of quenching I

Contribution ID: 16

Type: **not specified**

## Bottom quark dijets

*Tuesday 26 July 2016 13:45 (30 minutes)*

**Presenter:** LISNIAK, Stanislav (Centre National de la Recherche Scientifique (FR))

**Session Classification:** Flavor dependence of quenching I

Contribution ID: 17

Type: **not specified**

## Future heavy flavor measurements

*Tuesday 26 July 2016 15:15 (45 minutes)*

**Presenter:** DAINESE, Andrea (INFN - Padova (IT))

**Session Classification:** Flavor dependence of quenching II

Contribution ID: **18**

Type: **not specified**

## **What have we learned with CMS on flavor dependence?**

*Tuesday 26 July 2016 14:15 (30 minutes)*

### **Summary**

**Presenter:** INNOCENTI, Gian Michele (Massachusetts Inst. of Technology (US))

**Session Classification:** Flavor dependence of quenching I

Contribution ID: 19

Type: **not specified**

## **Boson-jet measurements**

*Tuesday 26 July 2016 10:45 (30 minutes)*

**Presenter:** TATAR, Kaya (Massachusetts Inst. of Technology (US))

**Session Classification:** Future developments

Contribution ID: 20

Type: **not specified**

## **Boosted objects in heavy-ion physics: a powerful probe of QGP**

*Wednesday 27 July 2016 10:00 (45 minutes)*

**Presenter:** APOLINARIO, Liliana (Instituto Superior Tecnico (PT))

**Session Classification:** Jet substructure

Contribution ID: 21

Type: **not specified**

## Splitting functions

*Wednesday 27 July 2016 10:45 (30 minutes)*

**Presenter:** VERWEIJ, Marta (CERN)

**Session Classification:** Jet substructure

Contribution ID: 22

Type: **not specified**

## **Jet mass distribution and jet substructure**

*Wednesday 27 July 2016 11:15 (45 minutes)*

**Presenters:** CHIEN, Yang-Ting (Harvard University); Dr CHIEN, Yang-Ting (Los Alamos National Laboratory)

**Session Classification:** Jet substructure



Contribution ID: 23

Type: **not specified**

## Derivation of $q_{\text{had}}$ from data

*Wednesday 27 July 2016 13:00 (30 minutes)*

**Presenter:** ANDRES CASAS, Carlota

**Session Classification:** Phenomenology

Contribution ID: 24

Type: **not specified**

## Latest results from JEWEL

*Wednesday 27 July 2016 13:30 (30 minutes)*

**Presenter:** KUNNAWALKAM ELAYAVALLI, Raghav (Rutgers, State Univ. of New Jersey (US))

**Session Classification:** Phenomenology

Contribution ID: 25

Type: **not specified**

## Jet shapes

**Presenter:** CUNQUEIRO MENDEZ, Leticia (Westfaelische Wilhelms-Universitaet Muenster (DE))

**Session Classification:** Phenomenology

Contribution ID: 26

Type: **not specified**

## Jet and hadron RAA

*Wednesday 27 July 2016 15:15 (30 minutes)*

**Presenter:** BATY, Austin Alan (Massachusetts Inst. of Technology (US))

**Session Classification:** Dependence on path-length, collision energy, etc.

Contribution ID: 27

Type: **not specified**

## Origin of dijet asymmetry

*Wednesday 27 July 2016 15:45 (45 minutes)*

**Presenters:** TEIXEIRA DE ALMEIDA MILHANO, Guilherme; TEIXEIRA DE ALMEIDA MILHANO, Guilherme (Instituto Superior Tecnico (PT))

**Session Classification:** Dependence on path-length, collision energy, etc.

Contribution ID: 28

Type: **not specified**

## **From RHIC Energy Scan to LHC 5 TeV, have we seen collision energy dependence of jet quenching**

**Presenter:** YILMAZ, Yetkin (Laboratoire Leprince-Ringuet, France)

**Session Classification:** Dependence on path-length, collision energy, etc.

Contribution ID: 29

Type: **not specified**

## Discussion

*Tuesday 26 July 2016 16:00 (1 hour)*

**Session Classification:** Flavor dependence of quenching II

Contribution ID: **30**

Type: **not specified**

## **Discussion**

*Wednesday 27 July 2016 14:00 (30 minutes)*

**Session Classification:** Phenomenology



Contribution ID: **31**

Type: **not specified**

## Discussion

*Wednesday 27 July 2016 16:30 (30 minutes)*

**Session Classification:** Dependence on path-length, collision energy, etc.