

# **Hard Probe 2016**

**Thursday, 22 September 2016 - Tuesday, 27 September 2016**

**East Lake International Conference Center**  
**Programme**

# Table of contents

|   |   |
|---|---|
| Thursday 22 September 2016 .....                                      | 1 |
| Heavy quark/quarkonium transport .....                                | 1 |
| Break and Photo .....   | 1 |
| Heavy flavor/quarkonium experiment .....                              | 1 |
| EM experiment .....   | 1 |
| Lunch .....   | 1 |
| Parton propagation in medium .....                                    | 1 |
| Break .....   | 1 |
| Jets experiment .....   | 1 |
| Jet physics theory .....  | 1 |
| Friday 23 September 2016 .....  | 2 |
| Plenary Session I .....   | 2 |
| Break .....   | 2 |
| Plenary Session II .....  | 2 |
| Lunch .....   | 2 |
| Plenary Session III .....   | 2 |
| Break .....   | 2 |
| Plenary Session IV .....  | 2 |
| Poster Session .....  | 2 |
| Reception Dinner .....  | 2 |
| Saturday 24 September 2016 .....                                      | 3 |
| Parallel Session I: Hard Probes in p+p and p+A Collisions (I) .....   | 3 |
| Parallel Session I: EM Probes (I) .....                               | 3 |
| Parallel Session I: Jet Modification in A+A (I) .....                 | 3 |
| Parallel Session I: Heavy Flavor (I) .....                            | 3 |
| Break .....   | 4 |
| Parallel Session II: Jet Modification in A+A (II) .....               | 4 |
| Parallel Session II: Heavy Flavor (II) .....                          | 4 |
| Parallel Session II: EM Probes (II) .....                             | 4 |
| Parallel Session II: Hard Probes in p+p and p+A Collisions (II) ..... | 5 |
| Lunch .....   | 5 |
| Parallel Session III: Jet MC and Jet Modification in A+A .....        | 5 |

|   |    |
|---|----|
| Parallel Session III: Heavy Flavor (III)                    | 5  |
| Parallel Session III: High pT Correlations (I)              | 6  |
| Parallel Session III: EM Probes (III)                       | 6  |
| Break   | 6  |
| Parallel Session IV: Quarkonia Production (I)               | 6  |
| Parallel Session IV: Simulation of Hard Processes in A+A    | 7  |
| Parallel Session IV: Heavy Flavor (IV)                      | 7  |
| Parallel Session IV: High pT Correlations (II)              | 7  |
| Round Table Discussion: Jet Quenching MC                    | 8  |
| Sunday 25 September 2016                                    | 9  |
| Parallel Session V: Jet Modification in A+A (III)           | 9  |
| Parallel Session V: High pT hadron suppression in A+A (I)   | 9  |
| Parallel Session V: High pT Correlations (III)              | 9  |
| Parallel Session V: Quarkonia Production (II)               | 9  |
| Break   | 10 |
| Parallel Session VI: Jet Modification in A+A (IV)           | 10 |
| Parallel Session VI: High pT hadron suppression in A+A (II) | 10 |
| Parallel Session VI: Initial Conditions                     | 10 |
| Parallel Session VI: Heavy Quark and Quarkonia Production   | 11 |
| Lunch   | 11 |
| Afternoon Excursion   | 11 |
| IAC Meeting   | 11 |
| Monday 26 September 2016                                    | 12 |
| Plenary Session V   | 12 |
| Break   | 12 |
| Plenary Session VI  | 12 |
| Lunch   | 12 |
| Plenary Session VII   | 12 |
| Break   | 12 |
| Plenary Session VIII  | 12 |
| Conference Banquet  | 12 |
| Tuesday 27 September 2016                                   | 13 |
| Plenary Session IX  | 13 |
| Break   | 13 |
| Plenary Session X   | 13 |
| Lunch   | 13 |
| Plenary Session XI  | 13 |
| Break   | 13 |



# Thursday 22 September 2016

**Heavy quark/quarkonium transport - Room 409 (09:00-10:00)**

-Presenters: ZHUANG, Pengfei

**Break and Photo - Room 409 (10:00-10:30)**

**Heavy flavor/quarkonium experiment - Room 409 (10:30-11:30)**

-Presenters: RUAN, Lijuan

**EM experiment - Room 409 (11:30-12:30)**

-Presenters: DREES, Axel

**Lunch (12:30-14:00)**

**Parton propagation in medium - Room 409 (14:00-15:00)**

-Presenters: MEHTAR-TANI, Yacine

**Break - Room 409 (15:00-15:30)**

**Jets experiment - Room 409 (15:30-16:30)**

-Presenters: NGUYEN, Matthew

**Jet physics theory - Room 409 (16:30-17:30)**

-Presenters: CACCIARI, Matteo

# Friday 23 September 2016

## **Plenary Session I: Experimental Reports I - Qing-Chuan Hall (08:30-10:30)**

-Conveners: Federico Antinori

| time  | [id] title                           | presenter             |
|-------|--------------------------------------|-----------------------|
| 08:30 | [212] Welcome (30 minutes)           |                       |
| 09:00 | [213] Report from ALICE (30 minutes) | ZHANG, Xiaoming       |
| 09:30 | [214] Report from ATLAS (30 minutes) | GRABOWSKA-BOLD, Iwona |
| 10:00 | [215] Report from CMS (30 minutes)   | GULHAN, Doga Can      |

## **Break - Conference Lobby (10:30-11:00)**

## **Plenary Session II: Experimental Reports II - Qing-Chuan Hall (11:00-12:30)**

-Conveners: Enke Wang

| time  | [id] title                            | presenter      |
|-------|---------------------------------------|----------------|
| 11:00 | [216] Report from LHCb (30 minutes)   | ZHANG, Yanxi   |
| 11:30 | [217] Report from PHENIX (30 minutes) | HE, Xiaochun   |
| 12:00 | [218] Report from STAR (30 minutes)   | HUANG, Bingchu |

## **Lunch (12:30-14:00)**

## **Plenary Session III: Heavy-ion Theory - Qing-Chuan Hall (14:00-15:40)**

-Conveners: Carlos Albert Salgado Lopez

| time  | [id] title  | presenter             |
|-------|---|-----------------------|
| 14:00 | [219] Theory overview (40 minutes)                            | ARMESTO PEREZ, Nestor |
| 14:40 | [220] Hard probes on the Lattice (30 minutes)                 | KACZMAREK, Olaf       |
| 15:10 | [221] IS of Heavy-Ion collisions and Hard probes (30 minutes) | VENUGOPALAN, Raju     |

## **Break - Conference Lobby (15:40-16:00)**

## **Plenary Session IV: Jet Theory - Qing-Chuan Hall (16:00-17:00)**

-Conveners: Peter Martin Jacobs

| time  | [id] title                                 | presenter                 |
|-------|--|---------------------------|
| 16:00 | [222] Jet substructure (30 minutes)        | CACCIARI, Matteo          |
| 16:30 | [223] Jets in strong coupling (30 minutes) | CASALDERREY SOLANA, Jorge |

## **Poster Session (17:00-18:00)**

## **Reception Dinner (18:30-21:00)**

# Saturday 24 September 2016

## **Parallel Session I: Hard Probes in p+p and p+A Collisions (I) - Shi-Yan Hall (08:30-10:10)**

**-Conveners: David d'Enterria**

| time  | [id] title   | presenter         |
|-------|--|-------------------|
| 08:30 | [84] ALICE measurements of heavy-flavour production as a function of multiplicity and angular correlations in pp and p-Pb collisions at the LHC (20 minutes) | LUPARELLO, Grazia |
| 08:50 | [192] Measurement of the nuclear modification factor for high-pT charged hadrons in pPb collisions with the ATLAS detector (20 minutes)                      | BALEK, Petr       |
| 09:10 | [9] Predictions for p+Pb Collisions at $\sqrt{s_{NN}} = 5$ TeV: Comparison With Data (20 minutes)  | VOGT, Ramona      |
| 09:30 | [201] Gluon bremsstrahlung and flow asymmetry in pA collisions (20 minutes)  | LEVAI, Peter      |
| 09:50 | [130] Jet energy loss in small systems with finite-size effects and running coupling (20 minutes)  | PARK, Chanwook    |

## **Parallel Session I: EM Probes (I) - Jing-Zhou Hall (08:30-10:10)**

**-Conveners: Daimei Zhou**

| time  | [id] title  | presenter                   |
|-------|---|-----------------------------|
| 08:30 | [93] Direct photon yield in pp and in Pb-Pb collisions measured with the ALICE experiment (20 minutes)                    | LODATO, Davide<br>Francesco |
| 08:50 | [100] Direct Photon Production at Low Transverse Momentum Measured in PHENIX (20 minutes)                                 | FAN, Wenqing                |
| 09:10 | [108] Direct virtual photon production in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV at STAR (20 minutes)              | YANG, Chi                   |
| 09:30 | [137] A systematic study of electromagnetic radiation and of the collectivity in small quark-gluon droplets (20 minutes)  | SHEN, Chun                  |
| 09:50 | [55] Exploring the effects of bulk viscosity on dilepton radiation in high energy nucleus-nucleus collisions (20 minutes) | VUJANOVIC, Gojko            |

## **Parallel Session I: Jet Modification in A+A (I) - Xiang-Yang Hall (08:30-10:10)**

**-Conveners: Rainer Fries**

| time  | [id] title  | presenter                       |
|-------|---|---------------------------------|
| 08:30 | [13] Event-by-event picture for the medium-induced jet evolution (20 minutes)   | ESCOBEDO ESPINOSA, Miguel angel |
| 08:50 | [49] Evolution of the jet opening angle distribution in holographic plasma (20 minutes)   | VAN DER SCHEE, Wilke            |
| 09:10 | [66] Energy versus centrality dependence of the jet quenching parameter $\hat{q}$ at RHIC and LHC: a new puzzle? (20 minutes)         | ANDRES CASAS, Carlota           |
| 09:30 | [86] Measurement of Inclusive Charged Jet Production in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ALICE (20 minutes) | YOKOYAMA, Hiroki                |
| 09:50 | [104] Hard Probe Measurements in Cu+Au Collisions at PHENIX: Jets and Leading Particles (20 minutes)                                  | ZHARKO, Sergey                  |

## **Parallel Session I: Heavy Flavor (I) - Wuhan Hall (08:30-10:10)**

**-Conveners: Steffen A. Bass**

| time  | [id] title  | presenter      |
|-------|---|----------------|
| 08:30 | [54] Measurement of $D^0$ Meson Production and Azimuthal Anisotropy in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV in STAR (20 minutes) | GUANNAN, Xie   |
| 08:50 | [150] D meson $v_n$ harmonics in PbPb collisions at 5.02 TeV with CMS (20 minutes)  | SUN, Jian      |
| 09:10 | [37] Heavy vs. light hadron production and medium modification at RHIC and LHC (20 minutes)   | CAO, Shanshan  |
| 09:30 | [143] Heavy flavor $R_{AA}$ and $v_n$ in event-by-event viscous relativistic hydrodynamics (20 minutes)                                   | NORONHA, Jorge |
| 09:50 | [40] Studies of the difference between light and heavy flavor energy loss by reconstructed jets (20 minutes)                              | XU, Zhe        |

**Break - Conference Lobby (10:10-10:40)****Parallel Session II: Jet Modification in A+A (II) - Xiang-Yang Hall (10:40-12:20)****-Conveners: Ben-Wei Zhang**

| time  | [id] title  | presenter           |
|-------|---|---------------------|
| 10:40 | [88] Jet mass measurements in Pb--Pb and pPb collisions with ALICE at the LHC (20 minutes)                          | BIANCHIN, Chiara    |
| 11:00 | [188] Measurement of jet internal structure in p+p, p+Pb, and Pb+Pb collisions with the ATLAS detector (20 minutes) | RYBAR, Martin       |
| 11:20 | [177] Calculating the Jet quenching parameter in quenched SU(3) lattice gauge theory (20 minutes)                   | NONAKA, Chiho       |
| 11:40 | [46] Factorization of in-medium parton branching beyond the eikonal approximation (20 minutes)                      | APOLINARIO, Liliana |
| 12:00 | [23] Jet and Heavy Flavor Production from Soft Collinear Effective Theory (20 minutes)                              | RINGER, Felix       |

**Parallel Session II: Heavy Flavor (II) - Wuhan Hall (10:40-12:20)****-Conveners: Qun Wang**

| time  | [id] title  | presenter                    |
|-------|---|------------------------------|
| 10:40 | [155] B meson nuclear modification factor in PbPb at 5.02 TeV with CMS (20 minutes)   | WANG, Ta-Wei                 |
| 11:00 | [103] Nuclear Modification of B mesons in Cu+Au Collisions at 200 GeV measured through the $B \rightarrow J/\Psi$ decay by the PHENIX Experiment (20 minutes) | DA SILVA, Cesar Luiz         |
| 11:20 | [163] AdS/CFT predictions for azimuthal and momentum correlations of $b\bar{b}$ pairs in heavy ion collisions (20 minutes)                                    | HAMBROCK, Robert             |
| 11:40 | [11] Higgs boson and top-quark in nuclear collisions (20 minutes)   | D'ENTERRIA, David            |
| 12:00 | [15] Boosted tops and the time-structure of the hot dense-medium of heavy-ion collisions (20 minutes)   | SALGADO LOPEZ, Carlos Albert |

**Parallel Session II: EM Probes (II) - Jing-Zhou Hall (10:40-12:20)****-Conveners: Lijuan Ruan**



| time  | [id] title  | presenter            |
|-------|---|----------------------|
| 10:40 | [97] Viscous corrections to photon production channels in QGP (20 minutes)                                | HAUKSSON, Sigtryggur |
| 11:00 | [62] Non-thermal photons in the quark-gluon plasma induced from jets (20 minutes)                         | GREIF, Moritz        |
| 11:20 | [18] Holographic photon production and flow in strongly coupled quark gluon plasmas (20 minutes)          | YANG, Di-Lun         |
| 11:40 | [85] Low mass dielectron measurements in pp, p-Pb and Pb-Pb collisions with ALICE at the LHC (20 minutes) | GUNJI, Taku          |
| 12:00 | [64] Low-mass electron pairs from Au+Au collisions at 1.23A GeV with HADES (20 minutes)                   | SELLHEIM, Patrick    |

### **Parallel Session II: Hard Probes in p+p and p+A Collisions (II) - Shi-Yan Hall (10:40-12:20)**

**-Conveners: Alexander Milov**

| time  | [id] title   | presenter          |
|-------|--|--------------------|
| 10:40 | [124] Jet transverse fragmentation momentum from h-h correlations in pp and p-Pb collisions (20 minutes) | VIINIKAINEN, Jussi |
| 11:00 | [106] Jet and Leading Hadron Production in d+Au Collisions in the PHENIX Experiment (20 minutes)         | SAKAGUCHI, Takao   |
| 11:20 | [20] Single inclusive forward hadron production at next-to-leading order (20 minutes)                    | ZHU, Yan           |
| 11:40 | [53] Including resummation in the NLO BK equation (20 minutes)   | LAPPI, Tuomas      |
| 12:00 | [26] Forward $J/\psi$ and D-meson production in pA collisions at the LHC (20 minutes)                    | DUCLOUE, Bertrand  |

### **Lunch (12:20-14:00)**

### **Parallel Session III: Jet MC and Jet Modification in A+A - Xiang-Yang Hall (14:00-15:40)**

**-Conveners: Joern Putschke**

| time  | [id] title   | presenter                      |
|-------|--|--------------------------------|
| 14:00 | [69] Angular Structure of Jet Quenching within a Hybrid Strong/Weak Coupling Model (20 minutes)                            | PABLOS ALFONSO, Daniel         |
| 14:20 | [162] Advanced jet modification observables explored with Monte Carlo models (20 minutes)                                  | LAPIDUS, Kirill                |
| 14:40 | [12] Reconstructed jets in a multiphase transport model (20 minutes)   | MA, Guo-Liang                  |
| 15:00 | [42] Medium recoil in JEWEL (20 minutes)   | KUNNAWALKAM ELAYAVALLI, Raghav |
| 15:20 | [89] Baryon to meson ratio in jets and underlying event in Pb-Pb, p-Pb and pp collisions with ALICE detectors (20 minutes) | ZHANG, Yonghong                |

### **Parallel Session III: Heavy Flavor (III) - Wuhan Hall (14:00-15:40)**

**-Conveners: Xin Dong**

| time  | [id] title  | presenter  |
|-------|---|------------|
| 14:00 | [135] $D_{s1}$ meson production in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV in STAR (20 minutes) | ZHOU, Long |

|       |  |                 |
|-------|--|-----------------|
| 14:20 | [7] $D^0$ meson production in proton-lead and lead-lead collisions at $\sqrt{s_{NN}}=5$ TeV with LHCb (20 minutes)         | ZHU, Xianglei   |
| 14:40 | [153] D meson nuclear modification factor in PbPb at 5.02 TeV with CMS (20 minutes)  | WANG, Jing      |
| 15:00 | [138] Open Heavy Flavor dynamics: impact of T-dependent medium interaction and initial magnetic field (20 minutes)         | GRECO, Vincenzo |
| 15:20 | [29] Data-driven analysis of the temperature and momentum dependence of the heavy-quark transport coefficient (20 minutes) | XU, Yingru      |

### **Parallel Session III: High pT Correlations (I) - Shi-Yan Hall (14:00-15:40)**

-Conveners: Peter Levai

| time  | [id] title  | presenter     |
|-------|---|---------------|
| 14:00 | [105] PHENIX results on direct photon-hadron correlations (20 minutes)                    | GE, Huijun    |
| 14:20 | [167] Jet-induced medium excitation in heavy-ion collisions (20 minutes)                  | CHEN, Wei     |
| 14:40 | [149] Z-Jet Correlations in pp and PbPb collisions at 5.02 TeV with CMS (20 minutes)      | TATAR, Kaya   |
| 15:00 | [25] Effect of collisional energy loss on particle correlations in AMPT (20 minutes)      | WANG, Fuqiang |
| 15:20 | [39] Measurement of D-meson triggered correlations in p+p collisions at RHIC (20 minutes) | MA, Long      |

### **Parallel Session III: EM Probes (III) - Jing-Zhou Hall (14:00-15:40)**

-Conveners: Axel Drees

| time  | [id] title   | presenter         |
|-------|--|-------------------|
| 14:00 | [95] Production of $e^+e^-$ from U+U collisions at $\sqrt{s_{NN}} = 193$ GeV and Au+Au collisions at $\sqrt{s_{NN}} = 19.6, 27, 39, 62.4, \text{ and } 200$ GeV as measured by STAR (20 minutes) | BUTTERWORTH, Joey |
| 14:20 | [190] Measurement of W and Z boson production in 5 TeV pp, p+Pb and Pb+Pb collisions with the ATLAS detector (20 minutes)  | DUMANCIC, Mirta   |
| 14:40 | [45] Probing cold nuclear medium effect with $W^{\pm}/Z^0$ at NLO and NNLO in heavy-ion collisions (20 minutes)  | RU, Peng          |
| 15:00 | [34] Photon from the Color Glass Condensate in the pA collision (20 minutes)   | BENIC, Sanjin     |
| 15:20 | [127] Photon production in the early stages of ultrarelativistic heavy ion collisions (20 minutes)   | RUGGIERI, Marco   |

### **Break - Conference Lobby (15:40-16:00)**

### **Parallel Session IV: Quarkonia Production (I) - Jing-Zhou Hall (16:00-17:40)**

-Conveners: Feng Liu

| time  | [id] title   | presenter                     |
|-------|--|-------------------------------|
| 16:00 | [68] $J/\psi$ production in proton+proton and heavy-ion collisions at STAR (20 minutes)  | YANG, Yi                      |
| 16:20 | [90] Charmonium production in Pb-Pb collisions measured by ALICE at the LHC (20 minutes) | FEUILLARD, Victor Jose Gaston |

|       |  |                        |
|-------|--|------------------------|
| 16:40 | [8] Quarkonium production in proton-lead and lead-lead collisions at $\sqrt{s_{NN}}=5$ TeV with LHCb (20 minutes)              | SCHMIDT, Burkhard      |
| 17:00 | [144] Charmonium production and phenomena in pp, pPb and PbPb collisions at 2.76 and 5.02 TeV with CMS (20 minutes)            | CHAPON, Emilien        |
| 17:20 | [191] Measurement of quarkonia production in 5 TeV proton-proton and heavy-ion collisions with the ATLAS detector (20 minutes) | TAPIA ARAYA, Sebastian |

#### **Parallel Session IV: Simulation of Hard Processes in A+A - Xiang-Yang Hall (16:00-17:20)**

**-Conveners: Yacine Mehtar-Tani**

| time  | [id] title   | presenter                 |
|-------|--|---------------------------|
| 16:00 | [174] Event-by-event simulations of jet modification using the MATTER event generator. (20 minutes)                    | KORDELL, Michael          |
| 16:20 | [56] First Results with HINJING++ on High-Energy Heavy-Ion Collisions (20 minutes)                                     | BARNAFOLDI, Gergely Gabor |
| 16:40 | [16] Heavy Ion Collisions with General Purpose Event Generators (20 minutes)   | BIERLICH, Christian       |
| 17:00 | [21] HYDJET++ model as a hot mixture of jets and hydrodynamics at ultra-relativistic heavy-ion collisions (20 minutes) | PETRUSHANKO, Sergey       |

#### **Parallel Session IV: Heavy Flavor (IV) - Wuhan Hall (16:00-17:40)**

**-Conveners: Hua Pei**

| time  | [id] title   | presenter       |
|-------|--|-----------------|
| 16:00 | [80] Measurements of the suppression and anisotropy of heavy-flavour particles in Pb--Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV with ALICE (20 minutes) | DUBLA, Andrea   |
| 16:20 | [193] Measurement of the suppression and $v_n$ of heavy flavor muons in lead-lead collisions with the ATLAS detector (20 minutes)                              | HU, Qipeng      |
| 16:40 | [126] Nonperturbative Approach to Open Heavy Flavor in Relativistic Heavy Ion Collisions (20 minutes)  | HE, Min         |
| 17:00 | [81] Measurements of electrons from semi-leptonic heavy flavor decays in p+p and Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV at STAR (20 minutes)              | WANG, Yaping    |
| 17:20 | [38] Heavy Quark Diffusion Dynamics in Quark-Gluon Plasma under Strong Magnetic Fields (20 minutes)  | HATTORI, Koichi |

#### **Parallel Session IV: High pT Correlations (II) - Shi-Yan Hall (16:00-17:40)**

**-Conveners: Zuo-tang Liang**

| time  | [id] title  | presenter            |
|-------|---|----------------------|
| 16:00 | [148] Photon-Jet Correlations in pp and PbPb collisions at 5.02 TeV with CMS (20 minutes)                             | MC GINN, Christopher |
| 16:20 | [189] Measurements of photon+jet production in 5 TeV pp and Pb+Pb collisions with the ATLAS detector (20 minutes)     | COLE, Brian          |
| 16:40 | [179] Energy flow and transverse momentum balance in gamma-jets and dijet events of heavy-ion collisions (20 minutes) | LUO, Tan             |
| 17:00 | [120] Near-side jet peak broadening in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV (20 minutes)                      | KOFARAGO, Monika     |

|       |  |                  |
|-------|--|------------------|
| 17:20 | [158] Studies of Jet Quenching with Jet-Track Correlations at CMS (20 minutes) | VELICANU, Dragos |
|-------|--|------------------|

**Round Table Discussion: Jet Quenching MC - Xiang-Yang Hall (17:20-19:00)**

**-Conveners: Marta Verweij; Abhijit Majumder**

| time  | [id] title                         | presenter |
|-------|------------------------------------|-----------|
| 17:20 | [251] Michael Cordell (20 minutes) |           |
| 17:40 | [252] Sangyong Jeon (20 minutes)   |           |
| 18:00 | [253] Tan Luo (20 minutes)         |           |
| 18:20 | [254] Daniel Pablos (20 minutes)   |           |

## Sunday 25 September 2016

### Parallel Session V: Jet Modification in A+A (III) - Xiang-Yang Hall (08:30-10:10)

-Conveners: Yaxian Mao

| time  | [id] title  | presenter         |
|-------|---|-------------------|
| 08:30 | [128] Coherence and resolution in jet formation inside a dense medium (20 minutes)                            | DOMINGUEZ, Fabio  |
| 08:50 | [24] Transport coefficients from energy loss studies in an expanding QGP (20 minutes)                         | AYALA, Alejandro  |
| 09:10 | [182] Time Dependent $\hat{q}$ from AdS/CFT (20 minutes)  | HOROWITZ, William |
| 09:30 | [187] Jet studies in heavy ion collisions with the ATLAS detector (20 minutes)                                | SLOVAK, Radim     |
| 09:50 | [151] Azimuthal anisotropy of very high- $p_T$ particles in PbPb collisions at 5.02 TeV with CMS (20 minutes) | WANG, Quan        |

### Parallel Session V: High $p_T$ hadron suppression in A+A (I) - Wuhan Hall (08:30-10:10)

-Conveners: Takao Sakaguchi

| time  | [id] title  | presenter              |
|-------|---|------------------------|
| 08:30 | [112] Transverse momentum spectra and nuclear modification of charged particles at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV with ALICE at the LHC (20 minutes) | KNICHEL, Michael Linus |
| 08:50 | [156] Charged particle nuclear modification factor in PbPb at 5.02 TeV with CMS (20 minutes)  | BATY, Austin Alan      |
| 09:10 | [3] Quantifying jet transport properties via large $p_T$ hadron production (20 minutes)   | ZHANG, Hanzhong        |
| 09:30 | [92] Neutral meson production in pp, p-Pb and Pb-Pb collisions with ALICE at the LHC (20 minutes)   | OKUBO, Tsubasa         |
| 09:50 | [43] Productions of $\eta$ , $\rho^0$ and $\phi$ at large transverse momentum in Heavy ion Collisions with NLO pQCD (20 minutes)                        | DAI, Wei               |

### Parallel Session V: High $p_T$ Correlations (III) - Shi-Yan Hall (08:30-10:10)

-Conveners: Daicui Zhou

| time  | [id] title  | presenter         |
|-------|---|-------------------|
| 08:30 | [91] $\pi^0$ -hadron correlations in pp and Pb-Pb collisions and $\pi^0$ elliptic flow in Pb-Pb collisions measured at the ALICE experiment (20 minutes)  | PENG, Xinye       |
| 08:50 | [36] Probing Transverse Momentum Broadening via Dihadron and Hadron-jet Angular Correlations in Relativistic Heavy-ion Collisions (20 minutes)  | WEI, Shu-yi       |
| 09:10 | [157] Dijet pseudorapidity and $p_T$ measurement in pp and pPb collisions at 5.02 TeV with CMS (20 minutes)   | LEE, Yen-Jie      |
| 09:30 | [59] Characterizing the away-side jet with robust flow background subtraction via two-particle and three-particle correlations in Au+Au collisions at $\sqrt{s_{\mathrm{NN}}}=200$ GeV in STAR (20 minutes) | JIANG, Kun        |
| 09:50 | [160] Heavy-flavor jets with CMS (20 minutes)   | PENG, Cheng-Chieh |

### Parallel Session V: Quarkonia Production (II) - Jing-Zhou Hall (08:30-10:10)

-Conveners: Ramona Vogt

| time  | [id] title   | presenter                 |
|-------|--|---------------------------|
| 08:30 | [87] $\Upsilon$ production in p-Pb and Pb-Pb collisions with ALICE at the LHC (20 minutes)                           | FRONZE', Gabriele Gaetano |
| 08:50 | [107] $\Upsilon$ production in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV with the STAR experiment (20 minutes)   | YE, Zaochen               |
| 09:10 | [73] Bottomonium suppression in nucleus-nucleus and proton-nucleus collisions (20 minutes)                           | LANSBERG, Jean-Philippe   |
| 09:30 | [161] Dynamical bottomonium-suppression in a realistic AA background (20 minutes)                                    | GOSSIAUX, Pol             |
| 09:50 | [145] Bottomonium production and phenomena in pp, pPb and PbPb collisions at 2.76 and 5.02 TeV with CMS (20 minutes) | KIM, Yongsun              |

**Break - Conference Lobby (10:10-10:40)****Parallel Session VI: Jet Modification in A+A (IV) - Xiang-Yang Hall (10:40-12:20)****-Conveners: Toru Sugitate**

| time  | [id] title  | presenter           |
|-------|---|---------------------|
| 10:40 | [147] Jet Substructure through Splitting Functions in pp and PbPb collisions with CMS (20 minutes)                                  | VERWEIJ, Marta      |
| 11:00 | [172] Measurement of the Shared Momentum Fraction $z_g$ using Jet Reconstruction in p+p and Au+Au Collisions with STAR (20 minutes) | KAUDER, Kolja       |
| 11:20 | [186] Thermalization and wave turbulence in non-Abelian plasmas (20 minutes)  | MEHTAR-TANI, Yacine |
| 11:40 | [71] Flow excited by full jet shower in QGP fluid and its effect on jet shape (20 minutes)  | TACHIBANA, Yasuki   |
| 12:00 | [33] Full jet evolution in quark-gluon plasma and nuclear modification of jet structure in Pb+Pb collisions at the LHC (20 minutes) | CHANG, Ning-Bo      |

**Parallel Session VI: High pT hadron suppression in A+A (II) - Wuhan Hall (10:40-12:20)****-Conveners: William Horowitz**

| time  | [id] title  | presenter                |
|-------|---|--------------------------|
| 10:40 | [111] Strangeness production and nuclear modification at LHC energies (20 minutes)  | BUSCH, Oliver            |
| 11:00 | [196] Measurement of azimuthal flow of soft and high-pT charged particles in 5.02 TeV Pb+Pb collisions with the ATLAS detector (20 minutes) | BURKA, Klaudia           |
| 11:20 | [31] Beyond the Poisson Approximation: n Gluon Radiation in QGP (20 minutes)  | RASOANAIVO, Andrianiaina |
| 11:40 | [99] Medium modification of jet charge in heavy-ion collisions (20 minutes)   | CHEN, Shi-Yong           |
| 12:00 | [175] The x and scale dependence of the transport coefficient $\hat{q}$ (20 minutes)  | MAJUMDER, Abhijit        |

**Parallel Session VI: Initial Conditions - Shi-Yan Hall (10:40-12:20)****-Conveners: Tuomas Lappi**

| time | [id] title | presenter |
|------|------------|-----------|
|------|------------|-----------|

|       |   |                     |
|-------|---|---------------------|
| 10:40 | [166] A Novel Approach For Event-By-Event Initial Conditions From Color Glass Condensate (20 minutes)   | FRIES, Rainer       |
| 11:00 | [19] Proton structure fluctuations: constraints from incoherent diffraction and applications to pA collisions (20 minutes)  | MÄNTYSAARI, Heikki  |
| 11:20 | [136] Pre-equilibrium Longitudinal Flow in the IPGlasma Framework for Pb+Pb Collisions at the LHC (20 minutes)  | MCDONALD, Scott     |
| 11:40 | [117] Compact initial state for peripheral heavy ion reactions and its consequences (20 minutes)  | CSERNAI, Laszlo Pal |
| 12:00 | [194] Measurement of long-range azimuthal anisotropies and of forward-backward multiplicity correlations and longitudinal flow with the ATLAS detector (20 minutes) | MILOV, Alexander    |

**Parallel Session VI: Heavy Quark and Quarkonia Production - Jing-Zhou Hall (10:40-12:20)**

**-Conveners: Dieter Roehrich**

| time  | [id] title   | presenter      |
|-------|--|----------------|
| 10:40 | [82] Production of Muons from Heavy-Flavour Hadron Decays in Pb--Pb Collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV with ALICE at the LHC (20 minutes)   | ZHANG, Zuman   |
| 11:00 | [146] Non-prompt J/Psi $v_2$ and $R_{AA}$ in PbPb collisions at 2.76TeV with CMS (20 minutes)  | JO, Mihee      |
| 11:20 | [22] Heavy quarkonium spectrum and diffractive production in a light-front Hamiltonian approach (20 minutes)   | CHEN, Guangyao |
| 11:40 | [79] Excess of $J/\psi$ yield at very low $p_{\text{T}}$ in Au+Au collisions at $\sqrt{s_{\text{NN}}} = 200$ GeV and U+U collisions at $\sqrt{s_{\text{NN}}} = 193$ GeV measured with STAR experiment (20 minutes) | ZHA, Wangmei   |
| 12:00 | [102] Relative Yields and Nuclear Modification of $\Psi'$ to J/Psi mesons in p+p, p(3He)+A Collisions at $\sqrt{s_{\text{NN}}} = 200$ GeV, measured in PHENIX (20 minutes)   | DREES, Axel    |

**Lunch (12:20-14:00)**

**Afternoon Excursion (14:00-18:00)**

**IAC Meeting (16:00-18:00)**

# Monday 26 September 2016

## Plenary Session V: Jet quenching I - Qing-Chuan Hall (08:30-10:30)

-Conveners: Barbara Jacak

| time  | [id] title   | presenter                 |
|-------|--|---------------------------|
| 08:30 | [224] Parton energy loss in QCD matter-Theory (30 minutes)                 | TYWONIUK, Konrad          |
| 09:00 | [225] Jet spectra in pp, pA and AA (30 minutes)                            | JUNG, Kurt Eduard         |
| 09:30 | [226] High pT spectra of light and heavy hadrons & anisotropy (30 minutes) | CHRISTIANSEN, Peter       |
| 10:00 | [227] Jet shapes and structure (30 minutes)                                | CUNQUEIRO MENDEZ, Leticia |

## Break - Conference Lobby (10:30-11:00)

## Plenary Session VI: Jet quenching II - Qing-Chuan Hall (11:00-12:30)

-Conveners: Olga Evdokimov

| time  | [id] title   | presenter         |
|-------|--|-------------------|
| 11:00 | [228] Modification of jet rate, shape and structure model and phenomenology (30 minutes) | QIN, Guang-You    |
| 11:30 | [229] High pt correlations (30 minutes)  | SCHMAH, Alexander |
| 12:00 | [230] Flavor aspects of parton energy loss (30 minutes)                                  | SPOUSTA, Martin   |

## Lunch (12:30-14:00)

## Plenary Session VII: Jet quenching III - Qing-Chuan Hall (14:00-15:30)

-Conveners: Brian Cole

| time  | [id] title   | presenter                  |
|-------|--|----------------------------|
| 14:00 | [231] SCET for jet physics in the vacuum and the medium (30 minutes) | VITEV, Ivan                |
| 14:30 | [232] Resolving R_AA and v_n puzzle (30 minutes)                     | NORONHA-HOSTLER, Jacquelyn |
| 15:00 | [233] Monte Carlo simulations of hard probes (30 minutes)            | VERWEIJ, Marta             |

## Break - Conference Lobby (15:30-16:00)

## Plenary Session VIII: Hard probes in p+A collisions - Qing-Chuan Hall (16:00-17:30)

-Conveners: Yasuyuki Akiba

| time  | [id] title  | presenter                |
|-------|---|--------------------------|
| 16:00 | [234] Hard processes in p+A collisions (30 minutes)                       | ARLEO, Francois          |
| 16:30 | [235] Quarkonium production in pp and pA (theory) (30 minutes)            | GONZALEZ FERREIRO, Elena |
| 17:00 | [236] Evolution equations and factorization in pA collisions (30 minutes) | BEUF, Guillaume          |

## Conference Banquet (18:30-20:30)



## Tuesday 27 September 2016

### Plenary Session IX: Heavy Flavors - Qing-Chuan Hall (08:30-10:30)

-Conveners: Enrico Scomparin

| time  | [id] title  | presenter               |
|-------|---|-------------------------|
| 08:30 | [237] HF Experimenta at RHIC (30 minutes)                 | XIE, Wei                |
| 09:00 | [238] HF Experiments at LHC (30 minutes)                  | INNOCENTI, Gian Michele |
| 09:30 | [239] Heavy Flavor Theory (30 minutes)                    | NAHRGANG, Marlene       |
| 10:00 | [240] Quarkonia experiments in AA collisions (30 minutes) | TANG, Zebo              |

### Break - Conference Lobby (10:30-11:00)

### Plenary Session X: Quarkonia and EM probes - Qing-Chuan Hall (11:00-12:30)

-Conveners: Itzhak Tserruya

| time  | [id] title   | presenter             |
|-------|--|-----------------------|
| 11:00 | [241] Quarkonia production (theory) (30 minutes)                   | STRICKLAND, Michael   |
| 11:30 | [242] Experiments on Photons and dileptons production (30 minutes) | BATHE, Stefan         |
| 12:00 | [243] Photons and dileptons production (theory) (30 minutes)       | PAQUET, Jean-Francois |

### Lunch (12:30-14:00)

### Plenary Session XI: Future Experiments - Qing-Chuan Hall (14:00-15:30)

-Conveners: Zhangbu Xu

| time  | [id] title   | presenter     |
|-------|--|---------------|
| 14:00 | [244] Future experiments (30 minutes)                                | SICKLES, Anne |
| 14:30 | [245] CEPC/SPPC: A future high-energy facility in China (30 minutes) | RUAN, Manqi   |
| 15:00 | [246] 4 flash talks (30 minutes)                                     |               |

### Break - Conference Lobby (15:30-16:00)

### Plenary Session XII: Summaries - Qing-Chuan Hall (16:00-17:50)

-Conveners: Andreas Morsch

| time  | [id] title                              | presenter        |
|-------|---|------------------|
| 16:00 | [247] Experimental Summary (30 minutes) | CAINES, Helen    |
| 16:30 | [248] Theory summary (30 minutes)       | JEON, Sangyong   |
| 17:00 | [249] What are missing? (30 minutes)    | GYULASSY, Miklos |
| 17:30 | [250] Closing (20 minutes)              |                  |