

## **Session Program**

**22-28 Jul 2010**



## **ICHEP 2010**

### ***03 - Perturbative QCD, Jets and Diffractive Physics***

Palais des Congrès de Paris  
2 place de la Porte Maillot Paris 17

# Friday 23 July

09:00

## 03 - Perturbative QCD, Jets and Diffractive Physics

**Session** | **Location:** Salle 252B | **Convener:** Gudrun Heinrich

09:00–09:25 **Monte Carlo tools for the LHC**

**Speaker**  
Frank Krauss

09:30–09:47 **Multi-jet merging with NLO matrix elements**

**Speaker**  
Frank Siegert

09:50–10:07

**Monte Carlo modelling of NLO DGLAP QCD Evolution in the fully unintegrated form**

**Speaker**  
Aleksander Kusina

10:10–10:27

**HERWIRI1.031: New Approach to Parton Shower MC's in Precision QCD Theory**

**Speaker**  
Prof. Bennie Ward

10:30

11:00

## 03 - Perturbative QCD, Jets and Diffractive Physics

**Session** | **Location:** Salle 252B | **Convener:** Leszek Motyka

11:00–11:17 **Probing the theoretical description of central exclusive production**

**Speaker**  
Dr tim coughlin

11:20–11:45 **Exclusive Processes at HERA**

**Speaker**  
Armen Bunyatyan

11:50–12:07

**Exclusive processes beyond leading twist:  $\gamma^*T \rightarrow \rho T$  impact factor with twist three accuracy**

**Speaker**  
Lech Szymanowski

12:10–12:27 **Exclusive Higgs production at the LHC**

**Speaker**  
Royon Christophe

12:30

14:00

## 03 - Perturbative QCD, Jets and Diffractive Physics

**Session** | **Location:** Salle 242B | **Convener:** Leszek Motyka

14:00–14:15 **High-energy amplitudes in the next-to-leading order**

**Speaker**

Prof. Ian Balitsky

**14:17-14:35 Inclusive Diffraction at HERA****Speaker**

Paul Richard Newman

**14:37-14:52 First complete NLL BFKL calculation of Mueller Navelet jets at LHC****Speaker**

Samuel Wallon

**14:54-15:09 Forward jets and energy flow in hadron-hadron collisions****Speaker**

Francesco Hautmann

15:11-15:26

**Characteristics and Estimates of Double Parton Scattering at the Large Hadron Collider****Speaker**

Dr Edmond Berger

**15:28-15:43 Hard diffractive scattering from soft color screening effects****Speaker**

Dr Roman Pasechnik

15:45

16:15

**03 - Perturbative QCD, Jets and Diffractive Physics**

Session | Location: Salle 242B | Convener: Gudrun Heinrich

**16:15-16:32 Status of Higher Order QCD calculations****Speaker**

Aude Gehrmann-De Ridder

16:35-16:50

**Higgs boson production at LHC to NNLO accuracy and finite top quark mass effects****Speaker**

Prof. Matthias Steinhauser

**16:52-17:07 NLO QCD corrections to  $pp \rightarrow t \bar{t} b \bar{b}$** **Speaker**

Prof. Stefan Dittmaier

**17:09-17:24 Top-Antitop Production at Hadron Colliders****Speaker**

Roberto Bonciani

**17:26-17:41 NNLL resummation for QCD cross sections****Speaker**

Prof. Nikolaos Kidonakis

17:43-17:58

**Adler Function, DIS sum rules and the Crewther Relation in order  $\alpha_s^4$**

18:00

**Speaker**

Dr Konstantin Chetyrkin

## Saturday 24 July

09:00

### 03 - Perturbative QCD, Jets and Diffractive Physics

**Session** | **Location:** Salle 252B | **Convener:** Laurent SCHOEFFEL

09:00–09:17 **Direct photon production with effective field theory**

**Speaker**  
Thomas Becher

09:20–09:37 **Direct Photons at HERA**

**Speaker**  
Juan Terron

09:40–09:57 **Direct Photon Results from Tevatron**

**Speaker**  
Konstantinos Vellidis

10:00–10:13 **Isolated Photons at CMS**

**Speaker**  
Dr Rong-Shyang Lu

10:15–10:28 **Evidence of prompt isolated photons with the ATLAS detector**

**Speaker**  
Junji Tojo

10:30

11:00

### 03 - Perturbative QCD, Jets and Diffractive Physics

**Session** | **Location:** Salle 252B | **Convener:** Laurent SCHOEFFEL

11:00–11:17 **Soft QCD results from the D0 experiment**

**Speaker**  
Gilvan Augusto Alves

11:20–11:37 **Soft QCD Results from CDF**

**Speaker**  
Christina Mesropian

11:40–12:00 **Underlying Event Studies and Forward Physics at CMS**

**Speaker**  
Dr Paolo Bartalini

12:05–12:25

**Underlying Event studies and Monte Carlo tunes for inelastic pp events with the ATLAS detector**

**Speaker**  
Emily Nurse

12:30

14:00

**03 - Perturbative QCD, Jets and Diffractive Physics**

Session | Location: Salle 252B | Convener: Nikos Varelas

14:00-14:25 **Jet physics at HERA****Speaker**

Claudia Glasman

14:30-14:55 **Jet Physics at Tevatron****Speaker**

Royon Christophe

15:00-15:17

**Inclusive jet production cross-section and kinematics in proton-proton collisions at  $\sqrt{s} = 7$  TeV with the ATLAS detector****Speaker**

Tancredi Carli

15:20-15:37

**Studies of QCD jet production with the CMS detector in pp Collisions at  $\sqrt{s} = 7$  TeV****Speaker**

Mikko Voutilainen

15:45

16:15

**03 - Perturbative QCD, Jets and Diffractive Physics**

Session | Location: Salle 252B | Convener: Nikos Varelas

16:15-16:35 **W/Z + Multi-Jet Production at the LHC****Speaker**

David Kosower

16:40-17:00 **W/Z+jets Results from D0****Speaker**

Dr Avto Kharchilava

17:05-17:25 **W/Z+Jets Results from CDF****Speaker**

Stefano Camarda

17:30-17:50 **Precision DIS Measurements at HERA****Speaker**

Dr Burkard Reisert

18:00