

Session Program

3-7 Apr 2017



25th International Workshop on Deep Inelastic Scattering and Related Topics

WG2 Low x and Diffraction

University of Birmingham, School of Physics and Astronomy
Edgbaston Birmingham B15 2TT United Kingdom

Tuesday 4 April

09:00

WG2 Low x and Diffraction

Session | **Location:** Small Lecture Theatre, Poynting Building

09:00–09:20

Electromagnetic processes in ultra peripheral lead-lead collisions with ATLAS

Speaker

Marcin Guzik

09:20–09:40

Exclusive production of dileptons and diphotons with CMS-TOTEM

Speakers

Dr Laurent Forthomme, Laurent Forthomme

09:40–10:10

Exclusive processes from CMS

Speaker

Aleksandr Bylinkin

10:10–10:30

Central Exclusive Production at LHCb

Speaker

Bartlomiej Rachwal

10:30

11:00

WG2 Low x and Diffraction

Session | **Location:** Small Lecture Theatre, Poynting Building

11:00–11:20

Energy dependence of exclusive J/Psi photoproduction in p-Pb interactions at ALICE

Speaker

Jesus Guillermo Contreras Nuno

11:20–11:40

ALICE measurements on ρ^0 photoproduction in Pb-Pb ultra-peripheral collisions

Speaker

Dr Valeri Pozdnyakov

11:40–12:00

Elastic and Total Cross-Section Measurements by TOTEM: Past and Future

Speaker

Frigyes Janos Nemes

12:00–12:20

AFP: first experience with data and future plans

Speaker

Grzegorz Gach

12:20–12:40

Studies of the diffractive photoproduction of isolated photons at HERA

13:00

Speaker

Peter John Bussey

14:00

WG2 Low x and Diffraction**Session** | **Location:** Small Lecture Theatre, Poynting Building

14:00–14:30

Vector Meson Electroproduction: a paradigm for Exclusive Physics at an Electron-Ion Collider**Speaker**

John Dainton

14:30–14:50

Open Charm Production in Diffractive Deep Inelastic Scattering at HERA**Speaker**

Karel Cerny

14:50–15:10

Heavy vector meson photoproduction measured by ALICE in ultraperipheral Pb-Pb collisions**Speaker**

Kay Graham

15:10–15:30

Extracting nuclear shadowing from LHC coherent J/Psi data**Speaker**

Jesus Guillermo Contreras Nuno

15:30

16:00

WG2 Low x and Diffraction**Session** | **Location:** Small Lecture Theatre, Poynting Building

16:00–16:20

The growth with energy of vector meson photo-production cross-sections and low x evolution**Speaker**

Martin Hentschinski

16:20–16:40

Dissociative charmonia photoproduction as a signal of gluon saturation at LHC**Speaker**

Jan Cepila

16:40–17:00

Proton structure fluctuations: from HERA to the LHC**Speaker**

Dr Heikki Mäntysaari

17:00–17:20

NNLO predictions for dijet production in diffractive DIS**Speaker**

Radek Zlebcik

17:20–17:40

NLO exclusive diffractive processes with saturation**Speaker**

Renaud Boussarie

17:40-18:00

Probing the gluon Wigner distribution in diffractive dijet production

Speaker

Dr Hatta Yoshitaka

18:00

Wednesday 5 April

11:00

WG2 Low x and Diffraction

Session | **Location:** Small Lecture Theatre, Poynting Building

11:00-11:20

Studies of the underlying-event properties and of hard double parton scattering with the ATLAS detector

Speaker

Oleg Kuprash

11:20-11:40

Minimum bias and underlying event measurements with CMS

Speaker

Benoit Roland

11:40-12:00

Double parton scattering studies in CMS

Speaker

Gilvan Augusto Alves

12:00-12:20

Forward energy flow and jet production in pp and pA collisions at the LHC

Speaker

Merijn Van De Klundert

12:20-12:40

Spinor helicity methods in DIS at small x: 3-parton production

Speaker

Jamal Jalilian-Marian

12:40-13:00

4-jet production in kt-factorization plus parton showers

Speaker

Mirko Serino

13:00

14:00

WG2 Low x and Diffraction

Session | **Location:** Small Lecture Theatre, Poynting Building

14:00-14:20

Production of a forward J/Psi and a backward jet at the LHC

Speaker

Renaud Boussarie

14:20-14:40

Measurements of multi-jet production in ultra-peripheral lead-lead collisions with the ATLAS detector

Speaker

Oldrich Kepka

14:40-15:00

Azimuthal-angle Observables in Inclusive Three-jet Production

Speaker

Dr Grigorios Chachamis

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| 15:30 | <p>15:00-15:20 Single inclusive very forward jet production</p> <p>Speaker Krzysztof Kutak</p> |
| 16:00 | <p>WG2 Low x and Diffraction</p> <p>Session Location: Small Lecture Theatre, Poynting Building</p> |
| | <p>16:00-16:20</p> <p>Two aspects of the Regge limit in QCD: Double Logs in Exclusive observables and Infrared Effects in Cross Sections</p> <p>Speaker Agustin Sabio Vera</p> |
| | <p>16:20-16:40</p> <p>Violation of a simple factorized form of QCD amplitudes and Regge cuts</p> <p>Speaker Prof. Victor Fadin</p> |
| | <p>16:40-17:00</p> <p>Lipatov's effective action, color glass condensate and classical gluon field of relativistic color charge</p> <p>Speaker Mr Sergey Bondarenko</p> |
| | <p>17:00-17:20 Non-linear dynamics in DIS at NLO</p> <p>Speaker Giovanni Antonio Chirilli</p> |
| 18:00 | <p>17:20-17:40</p> <p>Full NLO corrections for DIS structure functions in the dipole factorization formalism</p> <p>Speaker Guillaume Beuf</p> |

Thursday 6 April

09:00

WG2 Low x and Diffraction

Session | **Location:** Small Lecture Theatre, Poynting Building

09:00–09:30

Measurements on hadron production in proton-proton collisions with the ATLAS detector

Speaker

Tibor Zenis

09:30–09:50

Fluctuations of the multiplicity of produced particles in onium-nucleus collisions

Speaker

Stéphane Munier

09:50–10:10

Quark correlations in the Color Glass Condensate

Speaker

Nestor Armesto Perez

10:10–10:30

Inclusive dihadron production at 7 and 13 TeV LHC in the full next-to-leading BFKL approach

Speaker

Francesco Giovanni Celiberto

10:30

11:00

WG2 Low x and Diffraction

Session | **Location:** Small Lecture Theatre, Poynting Building

11:00–11:20

Small x resummation effects in forward Drell-Yan structure functions

Speaker

Leszek Motyka

11:20–11:40

Implementing consistent NLO factorization in single inclusive forward hadron production

Speaker

Bertrand Ducloue

11:40–12:00

Rapidity evolution of gluon TMDs from low to moderate x

Speaker

Ian Balitsky

12:00–12:20

Small- x (generalized) TMD gluon distributions in the Color Glass Condensate

Speaker

Elena Petreska

12:20–12:40

Color coherence effects in TMD evolution

Speaker

Radek Zlebcik

12:40-13:00

TMD splitting functions and the corresponding evolution equation

Speaker

Aleksander Kusina

13:00