

Session Program

3-7 Apr 2017



25th International Workshop on Deep Inelastic Scattering and Related Topics

WG1 Structure Functions and Parton Densities

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

Tuesday 4 April

09:00

WG1 Structure Functions and Parton Densities

Session | Location: Large Lecture Theatre, Poynting Building

09:00-09:17

Does Nature know about perturbation theory? A phenomenological study of HERA data at low Q²

Speaker

Katarzyna Wichmann

09:22-09:39

Impact of CMS measurements on Proton Structure and QCD parameters

Speaker

Katerina Lipka

09:44-10:01

Constraining the Sea Quark Distributions Through W^\pm Cross Section Ratio Measurements at STAR

Speaker

Salvatore Fazio

10:06-10:23

Differential Drell-Yan measurements and Z/top-pair cross section ratios

Speaker

Markus Zinser

10:30

11:00

WG1 Structure Functions and Parton Densities

Session | Location: Large Lecture Theatre, Poynting Building

11:00-11:19

Progress on CTEQ-TEA PDFs

Speaker

Dr Gao Jun

11:24-11:43

MMHT PDF status

Speaker

Robert Samuel Thorne

11:48-12:07

NNPDF3.1

Speaker

Juan Rojo

12:12-12:31

New insights into sea quark asymmetries from global PDF analysis

Speaker

Wally Melnitchouk

12:36-12:55

APPLfast-NNLO: update on interpolation grids for NNLO

Speaker

Claire Gwenlan

13:00

14:00

WG1 Structure Functions and Parton Densities**Session** | **Location:** Large Lecture Theatre, Poynting Building**14:00-14:17** **APFEL: A PDF Evolution Library****Speaker**

Valerio Bertone

14:22-14:39**Markov Chain Monte Carlo techniques applied to Parton Distribution Functions determination: proof of concept****Speaker**

Dr Mariane Mangin-Brinet

14:44-15:03**The PDFLattice2017 workshop: a summary report****Speaker**

Emanuele Roberto Nocera

15:08-15:25**New Insights to the origin of the EMC effect****Speaker**

Dr Or Hen

15:30

16:00

WG1 Structure Functions and Parton Densities**Session** | **Location:** Large Lecture Theatre, Poynting Building**16:00-16:17****Nuclear PDF studies with proton-lead measurements with the ALICE detector****Speaker**

Andre Mischke

16:20-16:37**Constraining nuclear PDFs with CMS****Speaker**

Emilien Chapon

16:40-16:57**Pion-nucleus Drell-Yan data as a novel constraint for nuclear PDFs****Speaker**

Mr Petja Paakinen

17:00-17:17**The EPPS16 nuclear PDFs****Speaker**

Dr Hannu Paukkunen

17:20-17:37**LHC and its impact on nCTEQ15 PDFs****Speaker**

Fred Olness

17:42-17:59**Applications of KP Nuclear Parton Distributions****Speaker**

Roberto Petti

18:00

Wednesday 5 April

09:00

WG1 Structure Functions and Parton Densities

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

09:00–09:17 **Proton structure in a light-front quark-diquark model**

Speaker

Mr Tanmay Maji

09:22–09:39

Extracting sea quark spin distributions from a global Monte Carlo analysis of semi-inclusive DIS data

Speaker

Jacob Ethier

09:45–10:02 **Collinear and TMD densities from Parton Branching Methods**

Speaker

Aleksandra Anna Lelek

10:30

Thursday 6 April

09:00

WG1 Structure Functions and Parton Densities

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

09:00–09:17 **PDF results from CMS V+jets measurements**

Speaker
Benoit Roland

09:22–09:39 **The photon PDF from high-mass Drell Yan data at the LHC**

Speaker
Mr Francesco Giuli

09:44–10:01

Exploring Meson and Nucleon Structure with Tagged Structure Functions

Speaker
Cynthia Keppel

10:06–10:23 **Neutrino Nucleus Deep Inelastic Scattering at MINERvA**

Speaker
Marianette Wospakrik

10:30

11:00

WG1 Structure Functions and Parton Densities

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

11:00–11:17 **Large-nf contributions to the four-loop splitting functions in QCD**

Speaker
Josh Davies

11:22–11:39 **Evidence of higher twist effects in HERA DIS data**

Speaker
Leszek Motyka

11:44–12:01 **CTEQ-TEA Monte-Carlo replica PDFs**

Speaker
Gao Jun

12:06–12:23 **The xFitter Project**

Speaker
Fred Olness

12:28–12:45 **Towards small-x phenomenology**

Speaker
Luca Rottoli

13:00