

Session Program

24-26 Jun 2015



LHeC Workshop

Physics and Detector

CERN (24 June) and Chavannes-de-Bogis (25-26 June)

Thursday 25 June

10:00

Physics and Detector

Session | **Location:** | **Conveners:** Peter Kostka, Voica Ana Maria Radescu

10:00–10:20

The DD4hep/DDG4 Status and the Prospects towards a Universal Framework

Speaker

Markus Frank

Location

10:20–10:40

The FCC-hh-he-ee common Software Effort - Status, Resources & Next Steps

Speaker

Benedikt Hegner

Location

10:40–11:00

Simulation & reconstruction SW for FCC - lessons from the past and an outlook

Speaker

Andreas Salzburger

Location

11:00–11:20

The Tracker description and Interface to GAUDI, Experiences and first Results

Speaker

Julia Hrdinka

Location

11:20–11:40

The Fast Simulation Engine in GEANT4.10.x first Experiences using the new ATLAS Tracker Tool

Speaker

Anna Zaborowska

Location

11:40–12:05

New Ideas

Speaker

Stanley J. Brodsky

Location

12:05–14:00

Lunch

14:00–14:20

PDF status

Speaker

Amanda Sarkar-Cooper

Location**14:20–14:40 N3LO(DIS prospects and H in pp)****Speaker**

Marco Bonvini

Location**14:40–15:05 Anomalous Couplings****Speaker**

Christian Schwanenberger

Location**15:05–15:25 Single Top at LHeC****Speaker**

Xifeng Ruan

Location**15:25–15:45 GPDs****Speaker**

Simonetta Liuti

Location**15:45–16:10 Coffee break****16:10–16:30 BSM Higgs studies****Speaker**

Jaime Hernandez

Location**16:30–16:50 Updates on H->bb studies****Speaker**

Masahiro Tanaka

Location**16:50–17:10 Higgs heavy flavour decay studies using jet probabilities****Speaker**

Uta Klein

Location**17:10–17:30 Low x and UHE Neutrino physics****Speaker**

Anna Stasto

Location**17:30–17:55 Probing BFKL dynamics in ep, eA scattering****Speaker**

Mark Strikman

Location

17:55-18:15 **Diffraction at LHeC**

Speaker

Richard Polifka

Location

18:15

Friday 26 June

09:00

Physics and Detector

Session | **Location:** | **Conveners:** Voica Ana Maria Radescu, Peter Kostka

09:00–09:20 The ALICE Si-Tracker for the HL-LHC

Speaker

Luciano Musa

Location

09:20–09:40 Nuclear PDFs (general talk)

Speaker

Fred Olness

Location

09:40–10:00 Nuclear PDFs at LHeC

Speakers

Hannu Paukkunen, Nestor Armesto Perez

Location

10:00–10:20 UPC results from ALICE

Speaker

Christoph Mayer

Location

10:20–10:40 Heavy Ion Physics in AA(pA) and eA at high energies

Speaker

Daniel Tapia Takaki

Location

10:40–11:00 Coffee break

11:00–11:25 FCC-he: physics and overview

Speaker

Max Klein

Location

11:25–11:50 New physics at the LHeC and Fcc-he

Speaker

Monica D'Onofrio

Location

11:50–12:15 Higgs at FCC-he

Speaker

Bruce Mellado Garcia

12:15

Location