

Session Program

27-29 Jun 2018

**Electrons for the LHC - LHeC/FCCeh and Perle
Workshop**

Parallel Sessions (Physics and Detector)

LAL Orsay

Wednesday 27 June

11:30

Parallel Sessions (Physics and Detector): I

Session | **Location:** Auditorium P. Lehmann- Bldg 200 | **Convener:** Masahiro Kuze

11:30–11:45 **High precision polarimetry at the LHeC**

Speaker

Aurelien Martens

11:50–12:05 **Forward instrumentation**

Speaker

Paul Richard Newman

12:10–12:35 **The Electron Ion Collider**

Speaker

Bernd Surrow

12:40–13:00 **Interaction Region at the EIC**

Speaker

Elke Aschenauer

13:05

14:30

Parallel Sessions (Physics and Detector): II

Session | **Location:** Auditorium P. Lehmann- Bldg 200 | **Convener:** Louis Fayard

14:30–14:55 **Review of Higgs coupling determination**

Speaker

Uta Klein

15:00–15:15 **Invisible Higgs and relation to ee and pp, also with DM**

Speaker

Masahiro Kuze

15:25–15:40 **Flavor violating signature of Higgs boson at the LHeC (remote)**

Speaker

Jaime Hernández

15:45–16:00 **Impact of LHeC PDFs on LHC EW precision measurements**

Speaker

Nansi Andari

16:05

16:30

Parallel Sessions (Physics and Detector): III

Session | **Location:** Auditorium P. Lehmann- Bldg 200 | **Convener:** Paul Richard Newman

16:35–16:50 **Impact of resummation on Higgs and other observables (remote)**

Speaker

Dr Simone Marzani

16:55–17:10 **Resummation**

18:00

Speaker
Amanda Sarkar

17:15–17:30 **Color fluctuations and photon-nucleus scattering**

Speaker
Mark Strikman

17:40–17:55 **Exclusive vector meson production with eSTARLIGHT (remote)**

Speaker
Spencer Klein

Thursday 28 June

09:30

Parallel Sessions (Physics and Detector): IV

Session | **Location:** Auditorium P. Lehmann- Bldg 200 | **Convener:** Joel Feltesse

09:30–09:50 **Detector overview**

Speaker

Max Klein

09:55–10:10 **Proton PDFs at the LHeC and the FCC-eh**

Speaker

Gavin Pownall

10:20–10:35 **Towards DIS at NNNLO (remote)**

Speaker

S. Moch

10:40–10:55 **Diffraction**

Speaker

Anna Stasto

11:00

11:30

Parallel Sessions (Physics and Detector): V

Session | **Location:** Auditorium P. Lehmann- Bldg 200 | **Convener:** Anna Stasto

11:30–11:45 **Elastic vector meson production**

Speaker

Dr Heikki Mäntysaari

11:50–12:10 **A view on small-x physics**

Speaker

Cyrille Marquet

12:15–12:35

How could heavy ion physics at the energy frontier profit from LHeC measurements (EXP point of view)

Speaker

Astrid Morreale

12:40–13:00

How could heavy ion physics at the energy frontier profit from LHeC measurements (TH point of view)

Speaker

Elena Gonzalez Ferreiro

13:05

14:30

Parallel Sessions (Physics and Detector): VI

Session | **Location:** Auditorium P. Lehmann- Bldg 200 | **Convener:** Fred Olness

14:30–14:50 **Overview on top physics**

15:40

Speaker

Christian Schwanenberger

14:55–15:10

Top Quark FCNC $tq\gamma$ and tqZ Couplings at LHeC and FCC-eh**Speaker**

Orhan Cakir

15:15–15:35

Update on studies with inclusive DIS on EW physics at LHeC/FCC-eh**Speaker**

Daniel Britzger

16:10

Parallel Sessions (Physics and Detector): VII**Session** | **Location:** Auditorium P. Lehmann- Bldg 200 | **Convener:** Aleandro Nisati

16:10–16:30

Review on sterile neutrinos**Speaker**

Oliver Fischer

16:35–16:55

Review on BSM**Speaker**

Monica D'Onofrio

17:00