

Session Program

8-12 Jan 2024

**XXX Cracow EIPHANY Conference on
Precision Physics at High Energy Colliders**

Young

Auditorium Maximum, Aula Mała

Thursday 11 January

11:00

Young

Session | **Location:** Auditorium Maximum, Aula Mała | **Convener:** Andreas van Hameren

11:00–11:15 **HL-LHC Optics - Feasibility Studies for: ATLAS, ALICE and LHCb**

Speaker
Pragati Patel

11:15–11:30 **Level-1 Muon Trigger of the CMS experiment**

Speaker
Rafal Komuda

11:30–11:45 **Alignment of the ATLAS-ALFA detectors**

Speaker
Saleh Bashiri

11:45–12:00 **Alignment of the ATLAS-AFP detectors**

Speaker
Ferhat Öztürk

12:00–12:15

Performance of the ATLAS L1 TRT trigger in heavy-ion collisions at the LHC

Speaker
Pawel Rybczynski

12:15–12:30

Environment for particle accelerator conditions data used by the CMS experiment at CERN

Speaker
Jan Krzysztof Chyczynski

12:30

14:00

Young

Session | **Location:** Auditorium Maximum, Aula Mała | **Convener:** Aleksander Kusina

14:00–14:15 **Novel approach to measure quark/gluon jets at the LHC**

Speaker
Petr Baron

14:15–14:30

Markov Chain Monte Carlo Methods: An Alternative Approach for Nuclear PDF Determination

Speaker
Nasim Derakhshanian

14:30–14:45 **NLO for hybrid kT-factorization**

Speaker
Grzegorz Ziarko

14:45-15:00

Probing Gluon Saturation in Photon+Jet Production in pp and pPb Collisions**Speaker**

Ishita Ganguli

15:00-15:15

How to find charged Higgs in ATLAS data. The MVA approach**Speaker**

Zuzanna Katarzyna Zak

15:15

15:45

Young**Session** | **Location:** Auditorium Maximum, Aula Mała | **Convener:** Iwona Grabowska-Bold

15:45-16:00

D* polarisation measurements in semitauonic B-meson decays at Belle and Belle II experiments - model independent approach.**Speaker**

Mateusz Kaleta

16:00-16:15

Monte Carlo studies of lepton flavor universality violating $B \rightarrow \tau \ell$ decays at Belle and Belle2**Speaker**

Junaid ur rehman

16:15-16:30

Measurements of the Charm mixing and CP violation parameter γ_{CP} at LHCb**Speaker**

Alessia Anelli

16:30-16:45

CP violation in charm meson decays**Speaker**

Alekssei Chernov

16:45-17:00

Possibilities of light-by-light scattering measurement in FoCal detector**Speaker**

Paweł Jucha

17:00-17:15

Constraining neutrino models predictions**Speaker**

Szymon Zieba

17:15