

**Session Program**

Jan 8 - 12, 2024

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

***Young***

Auditorium Maximum, Aula Mała

# Thu, January 11

11:00 AM

## 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 PM

2:00 PM

## 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

3:15 PM

15:00 - 15:15

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

Zuzanna Katarzyna Zak

3:45 PM

**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  $\gamma_{CP}$  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

5:15 PM