Session Program

17–21 Jul 2023

31st International Symposium on Lepton Photon Interactions at High Energies

Detectors and facilities

Monash University

Tuesday 18 July

15:45

Detectors and facilities: Room D
Session | **Location:** Monash University | **Convener:** Yuki Fujii

15:45–16:00
Detector challenges of the strong-field QED experiment LUXE at the European XFEL

Speaker

Thomas Schoerner-Sadenius

16:00–16:15
Key technologies in the design and construction of the JUNO central detector

Speaker

Xiaohui Qian

16:15–16:30 **Search for high mass dark matter axion at IBS-CAPP**

Speaker

Dr Younggeun Kim

16:30–16:45 **Overview of the FCC Program**

Speaker

Heather Gray

16:45–17:00
ATLAS Trigger and Data Acquisition Upgrades for the High Luminosity LHC

Speaker

Revital Kopeliansky

17:30

Wednesday 19 July

09:00

Detectors and facilities: Room D
Session | **Location:** Monash University | **Convener:** Tom Hadavizadeh

09:00–09:15

Measurement of beam polarization at an e^+e^- B-Factory with a new tau polarimetry technique

Speaker
Gerald Eigen

09:15–09:30 **Future Charged lepton flavor violation muon program**

Speaker
Mete Yucel

09:30–09:45

The COMET experiment: A search for muon-to-electron conversion at J-PARC

Speaker
Hajime Nishiguchi

09:45–10:00 **The Mu2e Experiment**

Speaker
Prof. Kenneth Heller

10:00–10:15 **The Belle II Upgrade Program**

Speaker
Prof. Leo Piilonen

10:15–10:30

COMET Phase-Alpha Experiment to Investigate COMET's New Muon Beamline at J-PARC

Speaker
Kou Oishi

10:45

11:05

Detectors and facilities: Room D
Session | **Location:** Monash University | **Convener:** Michal Kreps

11:05–11:20 **Luminosity at LHCb in Run 3**

Speaker
Niall Thomas Mchugh

11:20–11:35

Luminosity determination in pp collisions at $\sqrt{s}=13$TeV with the ATLAS detector

Speaker
Claudia Seitz

11:35–11:50

Overview of the ATLAS High-Granularity Timing Detector: project status and results

Speaker

Zhijun Liang

11:50–12:05

ATLAS New Small Wheel Performance Studies with first data of LHC Run3

Speaker

Tairan Xu

12:05–12:20 **The CMS tracker upgrade for HL-LHC**

Speaker

Alessandro Rossi

12:20–12:35 **Level-1 Track Finding at CMS for the HL-LHC**

Speaker

Dr Rui Zou

12:50

Thursday 20 July

11:10

Detectors and facilities
Session | **Location:** Monash University | **Convener:** Petar Kevin Rados

11:10–11:40 **Operation, challenges and future developments of SuperKEKB**

Speaker
Dr Tetsuo Abe

11:40–12:10 **Machine learning for low-latency inference**

Speaker
Dylan Sheldon Rankin

12:10–12:40 **Upgrades of the experiments for the High luminosity phase of LHC**

Speaker
Didier Claude Contardo

12:40

13:58

Detectors and facilities
Session | **Location:** Monash University | **Convener:** Florencia Canelli

13:58–14:00 **Monash Uni on Friday**

Speaker
Ulrik Egede

14:00–14:30 **Belle II and LHCb Upgrade I performance**

Speakers
Petar Kevin Rados, Petar Kevin Rados

14:30