

## **Session Program**

**12-17 Sept 2021**

# **PSD12: The 12th International Conference on Position Sensitive Detectors**

## ***Poster Session 6 (Advances in Pixel Detectors and Integration Technologies)***

University of Birmingham, Teaching and Learning Building  
Edgbaston Campus University of Birmingham B15 2TT UK

# Friday 17 September

08:00

## Poster Sesion 6 (Advances in Pixel Detectors and Integration Technologies)

**Session** |

**Location:** University of Birmingham, Teaching and Learning Building, Edgbaston Campus University of Birmingham B15 2TT UK |

**Conveners:** Philip Patrick Allport, Laura Gonella

08:00–08:01

### Design and prototype performance of Macro-Pixel Sub-Assemblies for the CMS Outer Tracker upgrade

**Speaker**

Jennet Elizabeth Dickinson

08:01–08:02

### Future Upgrade for LHCb VELO

**Speaker**

Jakob Haimberger

08:02–08:03

### Testbeam performance results of bent ALPIDE MAPS in view of the ALICE Inner Tracking System 3

**Speaker**

Mr Bogdan Mihail Blidaru

08:03–08:04

### CMOS pixel sensors optimized for large ionizing dynamic

**Speaker**

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08:04–08:05

### The Topmetal-CEE Prototype, a Direct Charge Sensor for the Beam Monitor of the CSR External-target Experiment

**Speaker**

Dr Chaosong Gao

08:06–08:07

### Design and integration of CMOS tracker layers in digital tracking calorimeter for pCT application

**Speaker**

Dr Shruti Mehednale

08:07–08:08

### Performance Measurements from Cosmic Muon Data using the Outer Barrel of the New ALICE Inner Tracking System

**Speaker**

James Philip Iddon

08:08–08:09

### Operational Experience and Performance with the ATLAS Pixel detector at the Large Hadron Collider at CERN

08:09–08:10

**Characterisation of HV-MAPS ATLASPix3 and its applications for future lepton colliders**

**Speaker**

Bianca Raciti

08:10–08:11

**A 14-Gbps VCSEL Driving ASIC in 55 nm for Particle Physics Experiments**

**Speakers**

Cong Zhao, Prof. Di Guo

08:40