

**Session Program**

Sep 12 - 17, 2021

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

***Poster Session 3 (Applications in Particle  
Physics)***

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

## Wed, September 15

3:50 PM

### Poster Session 3 (Applications in Particle Physics)

**Session** |

**Location:** University of Birmingham, Teaching and Learning Building, Edgbaston Campus University of Birmingham

**Organisers:** Ioannis Kopsalis, Paul Sellin

3:50 – 3:51 PM

#### Construction and Operation of the CMS Phase-1 Silicon Pixel Detector at the LHC

**Speaker**

Somnath Choudhury

3:51 – 3:52 PM

#### The upgrade and performance of the LHCb RICH detector system

**Speaker**

Edoardo Franzoso

3:52 – 3:53 PM

#### Background in the CMS Drift Tubes: measurements with LHC collision data and implications for detector longevity at HL-LH

**Speaker**

Lisa Borgonovi

3:53 – 3:54 PM

#### Application of material budget imaging for the design of the ATLAS ITk strip detector

**Speaker**

Jan-Hendrik Arling

3:54 – 3:55 PM

#### Results from ATLAS-ITk Strip Sensors Quality Assurance Testchip

3:55 – 3:56 PM

#### Interferometric techniques with high resolution emulsion detectors

**Speaker**

Eleonora Pasino

3:56 – 3:57 PM

#### High-performance HV-CMOS sensors for future particle physics experiments - An overview

**Speaker**

Chenfan Zhang

3:57 – 3:58 PM

#### Precision Antihydrogen Annihilation Reconstructions using the ALPHA-g Apparatus

**Speaker**

Ms Pooja Woosaree

3:58 – 3:59 PM

#### Serial powering and signal integrity characterisation for the TEPX detector for the Phase-2 CMS Inner Tracker

**Speaker**

Kyle James Read Cormier

3:59 – 4:00 PM

**CMS Phase-1 Pixel detector refurbishment during LS2 and readiness towards the LHC Run-3****Speaker**

Mr Lars Noehte

4:00 – 4:01 PM

**2S-module prototyping and qualification for the CMS Outer Tracker upgrade at the HL-LHC****Speaker**

Fengwangdong Zhang

4:01 – 4:02 PM

**Tracker alignment of the CMS detector****Speaker**

Nazar Bartosik

4:02 – 4:03 PM

**Development of position-sensitive silicon detector for ILC calorimeters****Speaker**

Taikan Suehara

4:03 – 4:04 PM

**Cylindrical GEM Inner Tracker for the BESIII experiment****Speaker**

Sara Morgante

4:04 – 4:05 PM

**A 4.5GHz to 5.6GHz PLL in 55 nm CMOS for High-Energy Physics Experiments****Speakers**

Cong Zhao, Di Guo

4:05 – 4:06 PM

**A congestion awareness and Fault-tolerance Readout Network ASIC for High-Density Electrode Array Targeting Neutrinoless Double-Beta Decay Search in TPC****Speaker**

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4:07 – 4:08 PM

**A radiation tolerant 16 Gbps 1:16 Deserializer for High-Energy Physics Experiments****Speakers**

Qiangjun Chen, Di Guo

4:08 – 4:09 PM

**DAQ Control Signal Codec for Time of Flight AFP Detector****Speaker**

Jan Zich

4:55 PM