

Session Program

12-17 Sept 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

Wednesday 15 September

15:50

Poster Session 3 (Applications in Particle Physics)

Session |

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

Conveners: Ioannis Kopsalis, Paul Sellin

15:50–15:51

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

Speaker

Somnath Choudhury

15:51–15:52

The upgrade and performance of the LHCb RICH detector system

Speaker

Edoardo Franzoso

15:52–15:53

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

Speaker

Lisa Borgonovi

15:53–15:54

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

Speaker

Jan-Hendrik Arling

15:54–15:55

Results from ATLAS-ITk Strip Sensors Quality Assurance Testchip

15:55–15:56

Interferometric techniques with high resolution emulsion detectors

Speaker

Eleonora Pasino

15:56–15:57

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

Speaker

Chenfan Zhang

15:57–15:58

Precision Antihydrogen Annihilation Reconstructions using the ALPHA-g Apparatus

Speaker

Ms Pooja Woosaree

15:58–15:59

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

Speaker

Kyle James Read Cormier

15:59–16:00

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

Mr Lars Noehte

16:00–16:01

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

Fengwangdong Zhang

16:01–16:02

Tracker alignment of the CMS detector**Speaker**

Nazar Bartosik

16:02–16:03

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

Taikan Suehara

16:03–16:04

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

Sara Morgante

16:04–16:05

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

Cong Zhao, Di Guo

16:05–16:06

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

bihui you

16:07–16:08

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

Qiangjun Chen, Di Guo

16:08–16:09

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

Jan Zich

16:55