

## **Session Program**

**Sep 12 - 17, 2021**

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

## ***Poster Session 7 (Detectors for High Radiation and Extreme Environments)***

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

# Fri, September 17

10:30 AM

## Poster Session 7 (Detectors for High Radiation and Extreme Environments)

**Session** |

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

**Contact:** Tony Price, Carl Wheldon

10:30 - 10:31 AM

### Investigation of Mixed Bulk Radiation Damage Effects in p-MCz Thin Silicon Microstrip Detector for Phase 2 Upgrade of the new CMS Tracker Detector at HL-LHC

**Speaker**

Ms Shilpa Patyal

10:31 - 10:32 AM

### Comparison study of heavily irradiated dielectrics for AC-coupled pixel detectors

**Speaker**

Shudhashil Bharthuar

10:32 - 10:33 AM

### TCAD Simulation of Radiation Hard n-MCz and n-Fz Si Microstrip Detector for the HL-LHC

**Speaker**

Mrs Balwinder Kaur

10:33 - 10:34 AM

### A table-top Two Photon Absorption - TCT system: measurements of irradiated and non-irradiated silicon sensors

**Speaker**

Sebastian Pape

10:34 - 10:35 AM

### Double injection studies on the RD53B-ATLAS chip

**Speaker**

Simon Kristian Huiberts

10:35 - 10:36 AM

### Simulation of Pixel Silicon detectors for experiment at high luminosity colliders.

**Speaker**

Ms S. Parolia

10:36 - 10:37 AM

### Characterization of passive CMOS strip detectors

**Speaker**

Marta Baselga

10:37 - 10:38 AM

### A Novel Front-End Amplifier for Gain-less Charge Readout in High-Pressure Gas TPC

**Speaker**

Dr Chaosong Gao

10:38 - 10:39 AM

**Instrumentation Challenges of the strong-field QED experiment LUXE at the European XFEL**

**Speaker**

Kyle Fleck

10:39 - 10:40 AM

**Development, construction and qualification tests of the Mu2e electromagnetic calorimeter mechanical structures**

**Speaker**

Daniele Pasciuto

11:20 AM