

**Session Program**

**3-8 Sept 2023**

**PSD13: The 13th International Conference on  
Position Sensitive Detectors**

***Poster Session III***

Oxford, St Catherine's Bernard Sunley Building

# Thursday 7 September

14:00

## Poster Session III

**Session** | **Location:** Oxford, St Catherine's Bernard Sunley Building

14:00–14:10

### **Towards the construction of the ATLAS ITk Strip Endcap detector for the HL-LHC phase**

**Speaker**

Laura Franconi

14:10–14:20

### **Module development with the MALTA monolithic pixel chip**

**Speaker**

Florian Dachs

14:20–14:30

### **Assembly and Testing of 2S Module Prototypes for CMS Outer Tracker Phase-2 Upgrade**

**Speaker**

Ali Awais

14:30–14:40

### **Development of the BCM' system for beam abort and luminosity monitoring in ATLAS based on a segmented polycrystalline CVD diamond system and dedicated front-end ASIC**

**Speaker**

Miha Mali

14:40–14:50

### **A study on the feasibility of CSNS becoming an ATLAS ITk sensor QA irradiation site**

**Speakers**

Hui Li, Zhan Li

14:50–15:00

### **Results of system qualification and quality control strategies for the production of the ITk Pixel Outer Barrel of the ATLAS experiment**

**Speaker**

Simon Florian Koch

15:00–15:10

### **Characterization of Ultra-Fast Silicon Detectors for High Energy Physics Applications**

**Speaker**

Fasih Zareef

15:10–15:20

### **Mapping the effects of ionising and non-ionising radiation on the measurement of inter-strip isolation with ATLAS ITk strip sensors**

**Speaker**  
Andrew Stephen Chisholm

15:20–15:30

**Implementation of the annihilation gamma-ray polarizations in Positron Emission Tomography**

**Speaker**  
Ana Marija Kožuljević

15:30–15:40

**RD53A Quad Modules Production and QC for the ATLAS Inner Tracker Outer Barrel (OB) Demonstrator.**

**Speaker**  
Mr Yahya A R Khwaira

15:40–15:50

**Serial Powering Scheme and Performance Analysis for Innermost Layer (L0) for ATLAS ITk modules**

**Speaker**  
Md Arif Abdulla Samy

15:50–16:00

**A 4-Gbps serializer circuit in a 180 nm technology for monolithic pixel sensor prototypes developed for the CEPC vertex detector**

**Speakers**  
Mr Tianya Wu, Xiaoting Li

16:00–16:10

**High Rate Camera Systems - our approach for control and data**

**Speaker**  
Matthew Hart

18:00