

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