Session Program

3–8 Sept 2023

PSD13: The 13th International Conference on Position Sensitive Detectors

Poster Session II

Oxford, St Catherine's Bernard Sunley Building

Thursday 7 September

09:00

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

09:00–09:10

Investigation of use of Wavelength Shifting Materials in Water Cherenkov Detectors for Gamma Ray Astronomy

Speaker

Prof. Jon Lapington

09:10–09:20

Development and Characterisation of the HEXITEC 2X6 Detector System for NXCT

Speaker

Rhian Mair Wheater

09:20–09:30

Energy Absorption Interferometry: a theoretical and experimental method for probing the behaviour of multimode detectors, sensors and energy-harvesting structures

Speaker

Prof. Stafford Withington

09:30–09:40

Can machine learning reduce the number of anode readouts for reconstruction coincident single photon in CDIR resistive sea photon detectors?

Speaker

Amelia Markfort

09:40–09:50 **High resolution imaging and timing using capacitive division**

Speaker

Jon Lapington

09:50–10:00 **The time resolution and position resolution of IHEP LGAD strip**

Speaker

Mengzhao Li

10:00–10:10

Halide Perovskite X-ray Detector with a Low Dark Current via Interfacial Engineering

Speaker

Ganbaatar Tumen-Ulzii

10:10–10:20

Latest experimental results using large area picosecond photodetectors

Speaker

Peter Krizan

Poster Session II

10:20–10:30

Performance of Eco-friendly Gas Mixtures in CMS Improved Resistive Plate Chambers in the HL-LHC Environment

Speakers

Dalia Lucero Ramirez Guadarrama, Mr Joao Pedro Gomes Pinheiro

10:30–10:40 **MPGD-based Hadronic Calorimeter for Muon Collider Experiments**

Speaker

Raffaella Radogna

10:40–10:50

Exploring Timepix4: A Promising X-ray Detector for EuXFEL Applications

Speaker

Mohamad Shokr

10:50–11:00

Evaluation of X-ray Imaging Technologies for use at the Extreme Photonics Applications Centre

Speaker

Irene Ashworth

11:00–11:10

Experimental investigation of the imaging capabilities of a DEPFET ladder of the DSSC X-ray camera at the European XFEL

Speaker

Dr Ibrahym Dourki

11:10–11:20

A 5.12-Gbps serializer circuit for front-end fast readout electronics of silicon pixel detectors

Speaker

Xiaoting Li

13:00