

## **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 Wheeler

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

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