

Session Program

3-8 Sept 2017



PSD11: The 11th International Conference on Position Sensitive Detectors

Poster session

The Open University, Milton Keynes, UK.
The Open University, Walton Hall, Milton Keynes. MK7 6AA, UK.

Thursday 7 September

12:40

Poster session: Poster session (including buffet lunch)

Poster Session | **Location:** Hub Theatre (OU), The Open University, Walton Hall, Milton Keynes, MK7 6AA

Performance verification of the CMS Phase 1 Upgrade pixel detector with collision data

Speaker

Viktor Veszpremi

Location

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Design of image quality phantoms to evaluate positron emission mammography systems

Speaker

Mr Luis Fernando Torres-Urzúa

Location

Hub Theatre (OU), The Open University, Walton Hall, Milton Keynes, MK7 6AA

A Segmented Anode Vacuum Phototriode with Position Sensitivity

Speaker

Sema Zahid

Location

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Simulated spectrum of the OGRE X-ray camera system

Speaker

Matthew Lewis

Location

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Development of position-sensitive scintillation neutron detector for a new protein crystal diffractometer at J-PARC MLF

Speaker

Dr Tatsuya Nakamura

Location

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Design and characterization of pixelated needle probe for molecular neuroimaging on awake and freely moving rats

Speaker

Julian Heymes

Location

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Characterisation of the Charge Transport Properties of High-Flux Capable CdZnTe

Speaker

Brett Thomas

Location

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Radiation induced damage analysis of CCD47-20 at room temperature**Speaker**

Mr Anton Lindley-DeCaire

Location

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Pulsed-Neutron Imaging by a High-Speed Camera and Center-of-Gravity Processing**Speaker**

Prof. Koh-ichi Mochiki

Location

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Time resolved crystallography at ELI Beamlines facility**Speaker**

Borislav Angelov

Location

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A Novel gain stage for Microchannel Plate Imaging Photomultipliers**Speaker**

Jon Lapington

Location

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Development of slew rate limited time-over-threshold (ToT) ASIC for multi-channel silicon based ion detector**Speaker**

Ms Mizuki Uenomachi

Location

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X-ray metrology of a close packed array of 'edgeless' Medipix3 detectors.**Speaker**

Dr Richard Plackett

Location

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MTF and QE Characterisation of a CMOS Imager for the JUICE JANUS Instrument**Speaker**

Mr Edgar Allanwood

Location

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Development of a bump cathode element for two-dimensional neutron detection**Speaker**

Kentaro Toh

Location

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Gas gain and secondary processes in Ne - N₂ mixtures - concentration and pressure scaling.**Speaker**

Dr Tadeusz Z. Kowalski

Location

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Clock Induced Charge in EM-CCD Image Sensors**Speaker**

Nathan Bush

Location

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Measurements of a Multi-anode Microchannel Plate Detector System with 100 picosecond event timing**Speaker**

Jon Lapington

Location

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Modeling Radiation Damage to Pixel Sensors in the ATLAS Detector**Speaker**

Clara Troncon

Location

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Characterization of Detector Modules for the CMS Pixel Phase 1 Upgrade**Speaker**

De Hua Zhu

Location

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Integrated readout electronics for Belle II pixel detector**Speaker**

Mr Roberto Blanco

Location

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Deep Diffused Avalanche Photo Diodes for Timing at the High Luminosity LHC**Speaker**

Matteo Centis Vignali

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Module production tests and integration of the Belle II pixel detector**Speaker**

Botho Paschen

Location

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Characterisation of a CdTe detector for medical imaging applications

Speaker

Prof. John Lees

Location

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Measurements and calculations of gas gain in Xe - 5% TMA mixture - pressure scaling.**Speaker**

Dr Tadeusz Z. Kowalski

Location

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Mitigation Strategies against Radiation-Induced Background for the Athena Wide Field Imager (WFI)**Speaker**

Chris Davis

Location

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Thermal Annealing Response following Total Ionizing Dose of a CMOS Imager for the JUICE JANUS Instrument**Speaker**

Daniel-Dee Lofthouse-Smith

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Improving radiation hardness in space-based Charge Coupled Devices through the narrowing of the charge transfer channel**Speaker**

David Hall

Location**Ageing and Proton Irradiation Effects on an EMCCD Manufactured in a CMOS Process****Speaker**

Ms Alice Dunford

Location

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ICP etched position sensitive silicon sensors on silicon and SOI substrates**Speaker**

Mr Ralf Röder

Location

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A Novel Multi-SiPM Position Sensitive Detector for Neutron-Gamma Discrimination**Speaker**

Dr Matt Taggart

Location

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The Point Spread Function in CIS113

Speaker

Mr James Ivory

Location

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Characterization of a new HV/HR CMOS sensor in LF150nm technology for the ATLAS Inner Tracker Upgrade**Speaker**

Mohamed Lachkar

Location

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The LUVMI Imaging System**Speaker**

Mr Joseph Rushton

Location

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Simulation and characterisation of low gain avalanche detector for particle physics and synchrotron applications**Speaker**

Dr Richard Bates

Location

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Fully Depleted, Monolithic Pinned Photodiode CMOS Image Sensor Using Reverse Substrate Bias**Speaker**

Konstantin Stefanov

Location

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Four-quadrant Silicon and Silicon Carbide Photodiodes for Beam Position Monitor Application: Electrical Characterization and Electron Irradiation Effects**Speaker**

Dr Joan Marc Rafí

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Prototypes of planar n-in-n quad modules for the ATLAS ITk upgrade at HL-LHC**Speaker**

Andreas Gisen

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Monte Carlo based System Matrix calculation for iterative reconstruction in X-ray Luminescence Optical Tomography**Speakers**

Mr Raúl Osorio Durán, Dr Arnulfo Martínez-Dávalos

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Multi-leaf Collimator (MLC) Edge Reconstruction for Radiotherapy Using Large Area CMOS Image Sensor**Speaker**

Mr Nicola Carlo Guerrini

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The Radiation Gas Detectors with Novel Nano Porous Converter For Medical Imaging Applications**Speaker**

Hajar zarei

Location

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Quantum and charge collection efficiency measurements back illuminated CCDs in the soft X-ray regime**Speaker**

Dr Jonathan Keelan

Location

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Position sensitive radiation detectors for high temperature environments using single crystal diamond**Speaker**

Dr David Smith

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The ZnO Nanowires in AAO Membrane as a Novel High Spatial Resolution Position Sensitive X-ray Detector**Speaker**

Prof. Shahyar Saramad

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14:30