Session Program

7–12 Sept 2014

PSD10: 10th International Conference on Position Sensitive Detectors

Session 10: Posters 1 (Particle Physics, Pixel Detectors and Lifesciences)

University of Surrey
Guildford, UK

Wednesday 10 September

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Poster Session | **Location:** University of Surrey, AP3&4, Guildford, UK

The CMS Pixel Readout Chip for the Phase I Upgrade
Speaker
Simon Spannagel

Development of radiation hard silicon strip sensors using T-CAD simulations and comparison with subsequently produced detectors
Speaker
Martin Printz

Characterisation, calibration and performance of single photon counting CdTe pixel detectors
Speaker
Dr Michael Rissi

Low-area trim DAC in 40nm CMOS technology for pixel readout chips used in hybrid detectors.
Speaker
Aleksandra Drozd

Testing fully depleted, thick monolithic CMOS pixels with high quantum efficiency
Speaker
Andrew Clarke

Interconnect and bonding techniques for pixelated X-ray and gamma ray detectors
Speaker
Andreas Schneider

3D position estimation in monolithic scintillation cameras using B-spline response parametrization.
Speaker
Vladimir Solovov

Characterisation and Modelling of a Thick Segmented Cadmium Tungstate Scintillator Array
Speaker
Mr Sion Richards

Development of a Cryogenic Irradiation Test Facility and the Initial Results from a CCD236 Swept Charge Device
Speaker
Dr Jason Gow

Gas gain limitation in low pressure proportional counters filled with TEG mixtures

Speaker

Dr Tadeusz Z. Kowalski

X-CSIT: a toolkit for simulating 2D pixel detectors

Speaker

Mr Ashley Joy

Radiation effects on true charge transfer TDI sensor in CMOS

Speaker

Mr Joseph Rushton

Development and Characterization of 16-channel SiPM Prototype with sub-mm pixels for high resolution PET System

Speaker

Kenji Shimazoe

Low power wireless ultra-wide band transmission of bio signals

Speaker

Alessandro Gabrielli

Monte Carlo simulation of dose efficiency and image quality in X-ray Luminescence Optical Tomography

Speakers

Dr Arnulfo Martinez-Davalos, Dr Mercedes Rodriguez-Villafuerte

Feasibility study of a 1 mm resolution small-animal PET prototype

Speaker

Dr Mercedes Rodriguez-Villafuerte

The Effect of radiation on the spatial resolution of a novel proton range detector for use in proton Computed Tomography

Speaker

Dr Tony Price

Radiation-induced charge trapping in n- and p-channel CCDs

Speaker

Mr Daniel Wood

The Belle II DEPFET Pixel Detector and Cluster Shape Dependent Improvement of Spatial Resolution

Speaker

Paola Avella

Novel Silicon Drift Detector Design Enabling Low Dark Noise and Simple Manufacturing

Speaker

Mr Vladislav Marochkin

Position sensitive detector for fluorescence lifetime imaging.

Speakers

Evgeny Turbin, Yury Prokazov

Development of a Prototype PET Scanner using Dual-Sided Readout DOI-PET Modules

Speaker

Takuya FUJITA

A Novel Compton Camera Design featuring a Rear-panel Shield for Substantial Noise Reduction in Gamma-ray Images

Speaker

Toru Nishiyama

One dimensional x-ray detector with high spectroscopic performance based on silicon strip detector technology

Speaker

Piotr Wiącek

Influence of edge surface leakage current on the performance of pixelated CdTe radiation detectors

Speaker

Diana Duarte

Development of a MPPC-based Prototype Gantry for Future MRI-PET Scanners

Speaker

Yohta KUREI

Setup for Laboratory studies of the charge transport in Silicon Dioxide

Speaker

Svetlana Kushpil

Microdosimetric response of proportional counters filled with different tissue-equivalent gases.

Speaker

Dr Tadeusz Kowalski

Electrical-modeling and simulation of cumulative radiation effects in semiconductor pixels detectors: prospects and limits

Speaker

Dr Nicolas Fourches

Performance tests during the IBL Stave Integration

Speaker

Malte Backhaus

3D simulation and measurements of novel bias grid and edgeless ATLAS planar pixel sensor designs for the High-Luminosity LHC upgrade

Speaker

Clara Nellist

Enhancing gamma-ray detection and imaging characteristics in HPGe double-sides strip detectors employing signal decomposition algorithms

Speaker

Lazar Supic

15:40