

Session Program

12-16 Sept 2011



PSD9: The 9th International Conference on Position Sensitive Detectors

Poster Session

Wednesday 14 September

09:00

Poster Session

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Planar slim edge ATLAS pixel sensors for the IBL and high-lumi-LHC upgrades

Speaker

Mr Tobias Wittig

Basis Pulse Shape Analysis using planar HPGe semiconductor detectors

Speaker

Mr Jamie Dormand

DETECTORS FOR DISTANT DIAGNOSTICS OF NUCLEAR-ENERGETIC INSTALLATION

Speaker

Prof. Anatoly Maltsev

Observation of Radiation Damage in the ATLAS Pixel Detector Using the High Voltage Delivery System

Speaker

Dr Konstantin Toms

Silicon Sensor Developments for the CMS Tracker Upgrade

Speaker

Dr Alexander Dierlamm

A Combined Energy and Angular Dispersive X-ray Diffraction System Using a Novel Pixellated X-ray Detector for Material Identification.

Speaker

Paul Seller

Characterization of new hybrid pixel module concepts for the ATLAS Insertable B-layer upgrade

Speaker

Mr Malte Backhaus

Development of Beam Profile Monitor for Antiproton Annihilation Cross Section Measurements by the ASACUSA Collaboration

Speaker

Mr Koichi Todoroki

Inaccuracy of coordinate determined by several detectors' signals

Speaker

Prof. Victor Samedov

Simulating the effect of interface recombination velocity and fixed oxide charge on the responsivity of arsenic and phosphorus doped n+p PSDs

Speaker

Xerviar Omeime Esebamen

Novel methods for identifying the cause of inherent ageing in Electron Multiplying Charge Coupled Devices

Speaker

Mr Anthony Evagora

Application of a high-speed CMOS image sensor for geometric calibration of cone-beam computed tomography system

Speaker

Dr Changwoo Seo

Development of High Spatial Resolution Camera for Characterization of X-ray Optics

Speaker

Dr Haris Kudrolli

Development of X-ray/Gamma-ray Imaging Spectrometer with Reach-through APD Arrays

Speaker

Dr Takeshi Nakamori

Investigation of the secondary electron emission characteristics of alternative dynode materials for imaging photomultipliers

Speakers

Dr Brad Cann, Dr Lapington Jon, Mr Virgil Taillandier

Performance Comparison of CMOS-based Photodiodes for High Resolution and High Sensitivity Digital Mammography

Speakers

Mr Bo Kyung Cha, Mr Dae Hee Lee, Mr Dong-uk Kang, Mr Hyunjun Yoo, Mr Jun Hyung Bae, Mr Minsik Cho

Position sensitive detectors with SiPM readout for measuring antiproton annihilations

Speaker

Ms Anna Soter

Investigations with Gaseous Electron Multipliers for use on the ISIS spallation neutron source

Speaker

Dr Dominic Duxbury

A wavelength-shifting-fibre-based scintillator neutron detector implemented with a median point calculating method

Speaker

Dr Kentaro Toh

Centroiding Methods for Split Events in a Charge Coupled Device used for Resonant Inelastic X-ray Scattering

Speaker

Mr Matthew Soman

Characterisation of AGATA HPGe detectors for Pulse Shape Analysis.

Speaker

Ms Samantha Colosimo

Electron Multiplying CCDs for future Soft X-ray Spectrometers**Speaker**

Mr James Tutt

Fast, low-noise, and low-power, electronics for the analog readout of non-linear DEPFET pixels**Speaker**

Carlo Fiorini

Improved micro-pixel detector element for neutron measurement under high pressure**Speaker**

Dr Kentaro Toh

Improvement of energy thresholds for scintillation detectors using a monolithic 2x2 MPPC array with a coincidence technique**Speaker**

Mr Takamasa Miura

Operational voltage of silicon heavily irradiated strip detectors utilizing avalanche multiplication effect**Speaker**

Dr Elena Verbitskaya

Picosecond imaging using a capacitive charge division readout**Speaker**

Mr Thomas Conneely

Radiation hardness studies of n+-in-n planar pixel sensors irradiated to $5 \times 10^{15} \text{ n}_{\text{eq}} \text{ cm}^{-2}$ and beyond for HLLHC**Speaker**

Mr André Rummler

Simulation program for multiwire-type two-dimensional neutron detector with individual readout**Speaker**

Dr Hideshi Yamagishi

Spatial and temporal beam profile monitor with nanosecond resolution for CERN's Linac4**Speaker**

Dr Masaki Hori

Study and Optimization of Positioning Algorithms for Monolithic PET Detector Blocks**Speaker**

Ms Paz García de Acilu

Synthesis and scintillation characterization of nanocrystalline $\text{Lu}_2\text{O}_3(\text{Eu})$ powder for high-resolution X-ray imaging detectors**Speaker**

Bo Kyung Cha

Zero Ion Backflow detector operating in pure xenon

10:00

Speaker

Dr Fernando Amaro

Snapshot Electron Spectroscopy using a Linear Array

Speaker

Ms Rachel Cross