

Session Program

7-12 Sept 2014



PSD10: 10th International Conference on Position Sensitive Detectors

Session 13: Posters 2 (Astrophysics, Synchrotron and other Applications)

University of Surrey
Guildford, UK

Thursday 11 September

14:00

Session 13: Posters 2 (Astrophysics, Synchrotron and other Applications)

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

Evaluation of two-dimensional multiwire neutron detector with individual line readout under pulsed neutron irradiation

Speaker

Dr Kentaro Toh

Performance characteristics of the new detector array for the SANS2d instrument on the ISIS spallation neutron source

Speaker

Dominic Duxbury

Comparative Study of LaBr₃(Ce) and CZT Array on Determination of Uranium Enrichment for Nuclear Safeguards Application

Speaker

Dr Sung-Woo Kwak

Empirical formula of a spatial resolution for a wavelength-shifting fibre detector coupled with a ZnS/6LiF scintillator for thermal neutron detection

Speaker

Dr Kentaro Toh

Improvements to EMCCD technology through advanced semiconductor simulations.

Speaker

Mr Nathan Bush

Characterization of Double Modified Internal Gate Pixel by 3D Simulation Study

Speaker

Mr Artto Aurola

Investigation of a possible physical mechanism for signal dependent charge sharing in CCDs

Speaker

Daniel Weatherill

Characterising front-illuminated and back-illuminated e2v CCDs in the context of weak gravitational lensing

Speaker

Mr Edgar Allanwood

Performance Study of Electron Tracking Compton Camera with Compact System for Environmental gamma-ray Observations

Speaker

Dr Tetsuya Mizumoto

Position sensitive photon detectors using epitaxial InGaAs/InAlAs quantum-well

Speaker

Tamiraa Ganbold

Capacitive Division Image Readout - Modelling and simulation of new designs**Speaker**

Jon Lapington

Muon Scattering Tomography Using Drift Chamber Technology**Speaker**

Mr Matthew Daykin

Capacitive Division Image Readout - Rate and resolution measurements using adaptive pulse processing**Speaker**

Mr Steven Leach

RadICAL - Directional Detector for Source Localisation**Speaker**

Mr George Randall

Strategies for reducing the environmental impact of gaseous detector operation at the CERN-LHC experiments**Speaker**

Roberto Guida

Monte Carlo Simulations of Scintillation Detectors for Time-of-Flight X-ray Imaging**Speaker**

Mr Nick Calvert

Digital processing of signals from fast scintillation detectors**Speaker**

Dr Mohammad Nakhostin

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

Jon Lapington

A Novel Pixellated Spectroscopic Detector Combined With a Broadband Monochromator to Produce Scatter-Free Images for the Improvement of Breast Cancer Detection**Speaker**

Ms Faith Green

Quality Control and Beam Test of GEM Detectors for Future Upgrades of the CMS Muon High Rate Region at the LHC**Speaker**

Sinem Salva Diblen

A New Digital-Analog Multiplex Method Using Simple Adder Circuit**Speaker**

Mr Yasuaki NAKAMURA

The upgrade of the muon system of the CMS experiment

Speaker

Marcello Abbrescia

Microstructured silicon neutron detectors for security applications

Speaker

Mr Sergi Esteban

15:40