

Session Program

12-16 Sept 2005



7th International Conference on Position Sensitive Detectors

P : Coffee and Poster Session

University of Liverpool
Greenbank Conference Park

Thursday 15 September

10:30

P : Coffee and Poster Session

Poster Session | **Location:** University of Liverpool, Greenbank Conference Park

A miniature X-Ray Diffraction/X-Ray Fluorescence instrument concept

Speaker

Mr Amir Intisar

Position Resolution Considerations for the SmartPET Imaging System

Speaker

Prof. Robert Lewis

A compact PC-based X-ray Imaging System

Speaker

Mr Asimakis Asimidis

Diffraction-Enhanced Imaging of normal and arthritic mice feet

Speaker

Suzanne Crittall

NEW MICRO PATTERN GAS DETECTOR BASED ON A 2D POSITION READOUT MESH

Speaker

Mr Ferran Fernandez Banque

P-spray implant optimization for the fabrication of n-in-p

Speaker

Celeste Fleta

The Effect of Position Resolution on LoR Discrimination for a Dual Head Compton-Camera

Speaker

Prof. Robert Lewis

Novel Position-Sensitive Ion-Current Detector Arrays Using a Self-Collection Method for Secondary-Electron Suppression

Speaker

Dr Junko Kohagura

Characterization of X-ray Energy Responses of both n-type and p-type Silicon Tomography Detectors Irradiated with Fusion Produced Neutrons

Speaker

Dr Junko Kohagura

A readout ASIC for a counting silicon microstrip detector used in a Compton polarimeter

Speaker

Dr Michael Karagounis

High-position-resolution neutron imaging detector with crossed wave-length shifting fiber read-out using two ZnS:Ag/6LiF scintillator sheets

Speaker

Dr Masaki Katagiri

High speed position readout for MCP based space plasma instruments**Speaker**

Dr Dhiren Kataria

Fast Scintillator Strip Position Detector with R7400 Photomultipliers Readout used in ZEUS Experiment at HERA II Collider**Speaker**

Mr Andrzej Kotarba

A Semiconductor Compton Camera Using Position-Sensitive Si/CdTe Detectors**Speaker**

Dr Kazuhiro Nakazawa

Non-linearity Reduction in Electronic Image Readouts**Speaker**

Dr Jon Lapington

PSD Infrared Monitor for Remote Diagnostics of Accelerated Beams and Bunches**Speaker**

Dr Anatoly Maltsev

Accurate timing of gamma photons with high-rate Resistive Plate Chambers**Speaker**

Prof. R.Ferreira Marques

Automatic method to manufacture 2D Multiwire Proportional Counter frames**Speaker**

Mr Ferran Fernandez Banque

Hybrid pixel detector development for medical radiography**Speaker**

Prof. Robert Lewis

Minimizing guard ring dead space in the Si detector with n-guard ring at the edge of the detector**Speaker**

Dr Tanja Palviainen

Direct Charge Sharing Observation in Single-Photon Counting Pixel Detector**Speaker**

Dr Giulio Pellegrini

Modelling Orthogonal Strip HPGe Detector Systems**Speaker**

Mr Dale Philips

X-ray tomography systems for observations of electron cyclotron heated plasmas using novel position-sensitive X-ray semiconductor-detector arrays**Speaker**

Dr Junko Kohagura

Development of 40 channel waveform sampling CMOS ASIC board for Positron Emission Tomography

Speaker

Mr Kenji Shimazoe

Germanium MOS Technology for Infra-Red Detectors

Speaker

Dr Fred Ruddell

SmartPET Image Reconstruction Techniques and Results

Speaker

Mr Andrew Mather

Optimization of Direct-Scintillator-Deposited Charge-Coupled

Speaker

Mr Noriaka Tawa

Compositional Analysis of Microchannel Plates Using Energy-Dispersive X-ray Fluorescence Spectroscopy

Speaker

Mr James Carpenter

Results of Irradiation Quality Assurance of CMS Silicon Microstrip Sensors

Speaker

Mr Alexander Furgeri

Parallel Ionization Multiplier: a gaseous detector for the tracking of minimum ionization particles

Speaker

Mr Jerome Beucher

Enhancements to the spatial resolution and sensitivity of the MWPC-based PETRRA

Speaker

Prof. Bob Ott

Relationship between Real Charges and Image Charges from the Planar smartPET Detector and the Advantages of Wavelet Analysis

Speaker

Mr David Scraggs

Time dependence of the behaviour of silicon detectors

Speaker

Dr Sorina Lazanu

Position Reconstruction in a Liquid Xenon Scintillation Chamber for Measuring Detection of Low Energy Nuclear Recoils and Gamma-Rays

Speaker

Mr Francisco Neves

Radiation hardness of high resistivity n- and p-type magnetic Czochralski silicon

Speaker

Mr Gabriele Segneri

Short induction gap Gas Electron Multiplier (GEM) for X-ray Spectroscopy**Speaker**

Dr Jamil Mir

RAPID2 Readout for Gas Micro Strip Detector**Speaker**

Dr Kan-Cheung Cheung

Infrared Synchrotron Diagnostics as a New Perspective Direction in the Physics and Technology of Accelerator Experiments**Speaker**

Dr Anatloy Maltsev

Measurement of a Infrared Synchrotron Radiation of Beam Density Profile and it's Fluctuations**Speaker**

Dr Anatoly Maltsev

Optics of Position-Sensitive Detectors for Infra-Red Synchrotron Accelerator Diagnostics**Speaker**

Dr Anatoly Maltsev

Laser Tests Of Silicon Strip Detectors**Speaker**

Dr Peter Kodys

The operation of ultra-small pore Microchannel Plates as imaging X-ray detectors**Speaker**

Mr Adrian Martindale

I-IMAS: a 1.5D sensor for high resolution scanning**Speaker**

Mr Andrea Fant

Macroassembly and Performance of the ATLAS SCT Barrels**Speaker**

Dr Kamil SEDLAK

The design of an active pixel sensor test structure optimised for the readout of scintillator screens**Speaker**

Mr Thomas Greig

Characterisation of CdMnTe for use as a room temperature gamma ray detector**Speaker**

Mr James Parkin

Digital Signal Filtering For Low Noise CCD Readout**Speaker**

Mr Neil Murray

Results from the analysis of digitally acquired experimental data collected with the AGATA symmetric prototype detector and its implications to the Advanced Gamma Tracking Array

Speaker

Mr Matthew Dimmock

SmartPET: A Small Animal P.E.T Demonstrator using HyperPure Germanium Planar Detectors

Speaker

Mr Reynold Cooper

A very large area Micro Pixel Chamber

Speaker

Mr Atsushi Takada

MHSP with position detection capability

Speaker

Mr Hugo Natal da Luz

A neutron imaging gas detector with individual read-outs

Speaker

Dr Masaki Kataigiri

Innovative CCD based PSD system

Speaker

Dr Serena Mattiazzo

GREAT - a Position Sensitive Spectrometer for Studying Exotic Nuclei

Speaker

Dr Robert Page

Mobility-lifetime products of epitaxial GaAs materials

Speaker

Dr J.C. Bourgoin

The DEPFET Active Pixel Sensor for the ILC Environment

Speaker

Prof. Gerhard Lutz

A Directional Dark Matter Detector

Speaker

Mr Steven Plank

11:15