



# 7th International Conference on Position Sensitive Detectors

## Thursday 15 September 2005

### P : Coffee and Poster Session (10:30 - 11:15)

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[17] P-spray implant optimization for the fabrication of n-in-p	FLETA, Celeste	P1
[114] Laser Tests Of Silicon Strip Detectors	Dr KODYS, Peter	P2
[150] The DEPFET Active Pixel Sensor for the ILC Environment	Prof. LUTZ, Gerhard	P2/2
[40] Accurate timing of gamma photons with high-rate Resistive Plate Chambers	Prof. MARQUES, R.Ferreira	P3
[4] A compact PC-based X-ray Imaging System	Mr ASIMIDIS, Asimakis	P4
[118] I-IMAS: a 1.5D sensor for high resolution scanning	Mr FANT, Andrea	P5
[120] The design of an active pixel sensor test structure optimised for the readout of scintillator screens	Mr GREIG, Thomas	P6
[24] Novel Position-Sensitive Ion-Current Detector Arrays Using a Self-Collection Method for Secondary-Electron Suppression	Dr KOHAGURA, Junko	P7
[25] Characterization of X-ray Energy Responses of both n-type and p-type Silicon Tomography Detectors Irradiated with Fusion Produced Neutrons	Dr KOHAGURA, Junko	P8
[41] Automatic method to manufacture 2D Multiwire Proportional Counter frames	Mr FERNANDEZ BANQUE, Ferran	P9
[58] X-ray tomography systems for observations of electron cyclotron heated plasmas using novel position-sensitive X-ray semiconductor-detector arrays	Dr KOHAGURA, Junko	P10
[33] A Semiconductor Compton Camera Using Position-Sensitive Si/CdTe Detectors	Dr NAKAZAWA, Kazuhiro	P11
[98] Position Reconstruction in a Liquid Xenon Scintillation Chamber for Measuring Detection of Low Energy Nuclear Recoils and Gamma-Rays	Mr NEVES, Francisco	P12
[142] SmartPET: A Small Animal P.E.T Demonstrator using HyperPure Germanium Planar Detectors	Mr COOPER, Reynold	P13
[19] The Effect of Position Resolution on LoR Discrimination for a Dual Head Compton-Camera	Prof. LEWIS, Robert	P14
[2] Position Resolution Considerations for the SmartPET Imaging System	Prof. LEWIS, Robert	P14/2
[79] SmartPET Image Reconstruction Techniques and Results	Mr MATHER, Andrew	P15
[94] Relationship between Real Charges and Image Charges from the Planar smartPET Detector and the Advantages of Wavelet Analysis	Mr SCRAGGS, David	P16
[60] Development of 40 channel waveform sampling CMOS ASIC board for Positron Emission Tomography	Mr SHIMAZOE, Kenji	P17
[137] A miniature X-Ray Diffraction/X-Ray Fluorescence instrument concept	Mr INTISAR, Amir	P18
[115] The operation of ultra-small pore Microchannel Plates as imaging X-ray detectors	Mr MARTINDALE, Adrian	P19
[136] Digital Signal Filtering For Low Noise CCD Readout	Mr MURRAY, Neil	P20
[83] Optimization of Direct-Scintillator-Deposited Charge-Coupled	Mr TAWA, Noriaka	P21

<b>[10] Diffraction-Enhanced Imaging of normal and arthritic mice feet</b>	CRITTELL, Suzanne	P22
<b>[42] Hybrid pixel detector development for medical radiography</b>	Prof. LEWIS, Robert	P23
<b>[92] Enhancements to the spatial resolution and sensitivity of the MWPC-based PETRRA</b>	Prof. OTT, Bob	P24
<b>[49] Direct Charge Sharing Observation in Single-Photon Counting Pixel Detector</b>	Dr PELLEGRINI, Giulio	P25
<b>[55] Modelling Orthogonal Strip HPGe Detector Systems</b>	Mr PHILIPS, Dale	P26
<b>[29] High-position-resolution neutron imaging detector with crossed wave-length shifting fiber read-out using two ZnS:Ag/6LiF scintillator sheets</b>	Dr KATAGIRI, Masaki	P27
<b>[147] Innovative CCD based PSD system</b>	Dr MATTIAZZO, Serena	P27/2
<b>[45] 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</b>	Mr DIMMOCK, Matthew	P28
<b>[148] GREAT – a Position Sensitive Spectrometer for Studying Exotic Nuclei</b>	Dr PAGE, Robert	P28/2
<b>[38] PSD Infrared Monitor for Remote Diagnostics of Accelerated Beams and Bunches</b>	Dr MALTSEV, Anatoly	P29
<b>[112] Measurement of a Infrared Synchrotron Radiation of Beam Density Profile and it's Fluctuations</b>	Dr MALTSEV, Anatoly	P30
<b>[113] Optics of Position-Sensitive Detectors for Infra-Red Synchrotron Accelerator Diagnostics</b>	Dr MALTSEV, Anatoly	P31
<b>[111] Infrared Synchrotron Diagnostics as a New Perspective Direction in the Physics and Technology of Accelerator Experiments</b>	Dr MALTSEV, Anatloy	P32
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<b>[91] Parallel Ionization Multiplier: a gaseous detector for the tracking of minimum ionization particles</b>	Mr BEUCHER, Jerome	P34
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<b>[144] MHSP with position detection capability</b>	Mr NATAL DA LUZ, Hugo	P36
<b>[106] Short induction gap Gas Electron Multiplier (GEM) for X-ray Spectroscopy</b>	Dr MIR, Jamil	P37
<b>[145] A neutron imaging gas detector with individual read-outs</b>	Dr KATAIGIRI, Masaki	P38
<b>[59] A very large area Micro Pixel Chamber</b>	Mr TAKADA, Atsushi	P39
<b>[97] Time dependence of the behaviour of silicon detectors</b>	Dr LAZANU, Sorina	P40
<b>[149] Mobility-lifetime products of epitaxial GaAs materials</b>	Dr BOURGOIN, J.C.	P40/2
<b>[122] Characterisation of CdMnTe for use as a room temperature gamma ray detector</b>	Mr PARKIN, James	P41
<b>[69] Germanium MOS Technology for Infra-Red Detectors</b>	Dr RUDELL, Fred	P42
<b>[86] Compositional Analysis of Microchannel Plates Using Energy-Dispersive X-ray Fluorescence Spectroscopy</b>	Mr CARPENTER, James	P43
<b>[30] High speed position readout for MCP based space plasma instruments</b>	Dr KATARIA, Dhiren	P44
<b>[36] Non-linearity Reduction in Electronic Image Readouts</b>	Dr LAPINGTON, Jon	P45
<b>[151] A Directional Dark Matter Detector</b>	Mr PLANK, Steven	P45/2
<b>[87] Results of Irradiation Quality Assurance of CMS Silicon Microstrip Sensors</b>	Mr FURGERI, Alexander	P46
<b>[28] A readout ASIC for a counting silicon microstrip detector used in a Compton polarimeter</b>	Dr KARAGOUNIS, Michael	P47

<b>[31] Fast Scintillator Strip Position Detector with R7400 Photomultipliers Readout used in ZEUS Experiment at HERA II Collider</b>	Mr KOTARBA, Andrzej	P48
<b>[48] Minimizing guard ring dead space in the Si detector with n-guard ring at the edge of the detector</b>	Dr PALVIINEN, Tanja	P49
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