



# PM2018 - 14th Pisa Meeting on Advanced Detectors

## Tuesday, May 29, 2018

### Solid State Detectors - Poster Session (8:25 AM - 12:55 PM)

time	[id] title	presenter
8:25 AM	[195] R&D on CO2 cooling using a silicon Microchannel substrate for the LHCb VELO	FRANCO LIMA, Vinicius
8:28 AM	[197] The Belle II Silicon Vertex Detector	THALMEIER, Richard
8:31 AM	[196] Technology Experience in the Construction of Silicon Trackers Detectors for Space Experiments	MOVILEANU, Maria
8:34 AM	[194] Radiation Damage of LHCb's Silicon Detector Systems	ABELLAN, Carlos
8:37 AM	[193] Charge sharing of single photons in finely segmented pixel detectors	MONZANI, Simone
8:40 AM	[192] Advanced optical quality assurance of the silicon microstrip sensors of the CBM STS detector	LAVRIK, Evgeny
8:43 AM	[191] Progress Towards the Development of Cooling Demonstrator of the CBM Silicon Tracking System	AGARWAL, Aditi
8:46 AM	[190] The Gigatracker detector of the NA62 experiment at CERN SPS	FEDERICI, Luca
8:49 AM	[189] Modelization of 3D-silicon Pixels for timing applications	LOI, Angelo
8:52 AM	[188] First experience with the Belle II radiation monitoring system based on s-CVD diamonds	VITALE, Lorenzo
8:55 AM	[187] A fast and quasi-non invasive muon beam monitoring detector working at the highest beam intensity in the world	HILDEBRANDT, Malte
8:58 AM	[186] DEPFET pixel detector in the Belle II experiment	WESSEL, Christian
9:01 AM	[185] Status of the vertex detector program of the CBM experiment at FAIR	KLAUS, Philipp
9:04 AM	[184] Radiation tolerance characterization of geiger-mode CMOS avalanche diodes for the design of a dual-layer particle detector	MUSACCI, Marco
9:07 AM	[183] Development and commissioning of the 30 ps time resolution MEGII Pixelated Time detector	CATTANEO, Paolo Walter
9:10 AM	[182] Searching for a dark photon with PADME at LNF: status of the active diamond target	OLIVA, Federica
9:13 AM	[181] Overview of the CMS beam loss monitoring system (BCML) and the performance the system in 2017	OKHOTNIKOV, Vitalii
9:16 AM	[180] Development of the proton beam monitor based on the thin diamond crystal for the COMET Experiment	FUJII, YUKI
9:19 AM	[179] Development of Graphene-Based Ionizing Radiation Sensors	SCHERZINGER, Julius Peter
9:22 AM	[178] A feasibility test run for the MUonE project	BALLERINI, Giovanni
9:25 AM	[177] The new Fast Beam Condition Monitor using diamond and silicon sensors for luminosity measurement at CMS	GUTHOFF, Moritz
9:28 AM	[176] Low temperature characteristics of SIPMs after very high radiation for the SLHC CMS phase II upgrade	HEERING, Adriaan

9:31 AM	[175] Combined TCAD and Geant4 simulations of diamond detectors for timing applications	PASSERI, Daniele
9:34 AM	[174] Development of an automated and programmable characterization system for silicon multi-strip sensors	JAIN, Geetika
9:37 AM	[173] Radiation hardness investigation of thin and low resistivity bulk silicon detectors	JAIN, Geetika
9:40 AM	[172] Monolithic Sensors in LFoundry Technology: Concepts and Measurements	SCHIMASSEK, Rudolf
9:43 AM	[171] MuPix8 – Large Area Monolithic HVCMOS Pixel Detector for the Mu3e Experiment	WEBER, Alena
9:46 AM	[170] Characterization Results of HVCMOS Sensors for Mu3e and ATLAS	EHRLER, Felix
9:49 AM	[169] ATLAS ITk Strip Detector for High-Luminosity LHC	ROSSI, Edoardo
9:52 AM	[168] Performance and Operation of the CMS Phase 1 Pixel Detector	CAMINADA, Lea
9:55 AM	[167] Advances on TCAD numerical modeling of radiation damage effects in silicon detectors for HL-LHC operations	PASSERI, Daniele
9:58 AM	[166] Characterization of a depleted monolithic pixel sensors in 150 nm CMOS technology for the ATLAS Inner Tracker upgrade	IGUAZ GUTIERREZ, Francisco Jose
10:01 AM	[165] The XAFS Fluorescence Detector System based on 64 Silicon Drift Detectors for the SESAME Synchrotron Light Source.	RACHEVSKI, Alexandre
10:04 AM	[164] Event Upsets in the ATLAS IBL Frontend ASICs	ROZANOV, Alexandre
10:07 AM	[163] Modeling Radiation Damage to Pixel Sensors in the ATLAS Detector	ROSSINI, Lorenzo
10:10 AM	[162] Operational Experience and Performance with the ATLAS Pixel detector at the Large Hadron Collider	GRUMMER, Aidan
10:13 AM	[161] Precision Timing Capabilities of Silicon Pad Sensors in the CMS HGCALE	PITTERS, Florian
10:16 AM	[160] Low Gain Avalanche Diodes for Precision Timing in the CMS Endcap	COSTA, Marco
10:19 AM	[159] Characterisation of the radiation hardness of HV-CMOS sensors using the Transient Current Technique	MERLASSINO, Claudia
10:22 AM	[158] New results on the FBK-INFN-LPNHE thin n-on-p pixel detectors for the upgrade of the ATLAS Inner Tracker	CALDERINI, Giovanni
10:25 AM	[157] Development of the radiation hard high-speed monolithic "MALTA" CMOS sensor for the ATLAS ITK outer pixel layer	PERNEGGER, Heinz
10:28 AM	[156] Systematic Modeling and Simulations with Analytical Solutions of Electric and Weighting Fields of 2D-Planar-Electrode and 3D-Trench-Electrode Detectors and Detector Array in Cartesian and Cylindrical Coordinates	LI, Zheng
10:31 AM	[155] Silicon Photomultiplier Detector with Multipurpose In-Pixel Electronics in Standard CMOS Technology	BLANCO, Roberto
10:34 AM	[154] Advanced Through Silicon Vias for Hybrid Pixel Detector Modules	HUEGGING, Fabian
10:37 AM	[153] ATLAS "Baby-DEMO"	ZWALINSKI, Lukasz
10:40 AM	[152] Advancements and plans for LHC upgrade detector thermal management with CO <sub>2</sub> evaporative cooling	TROPEA, Paola