PM2021 - 15th Pisa Meeting on Advanced Detectors - Edition 2022

martedì 24 maggio 2022

Solid State Detectors - Poster session (08:30 - 12:15)

-Coordinatori: Jerome Baudot; Claudia Gemme

[id] title	presenter	board
[9] Direct MIP detection with sub-10 ps timing resolution Geiger-Mode APDs	RIPICCINI, Emanuele	
[10] MALTA monolithic Pixel sensors in TowerJazz 180 nm technology	PERNEGGER, Heinz	
[21] Characterization of irradiated passive CMOS sensors for tracking in HEP experiments	GLESSGEN, Franz	
[44] Construction and characterization of high time resolution 3D diamond pixel detectors	LUCARELLI, Chiara	
[57] Overview of ATLAS forward proton detectors for LHC Run 3 and plans for the HL-LHC	TRZEBINSKI, Maciej	
[104] An environmental monitoring and control system for the ATLAS Outer Barrel QC and Integration	PACIFICO, Nicola	
[105] Module development for the ATLAS Phase II Pixel Inner Tracker	SHARMA, Abhishek	
[106] Performance of highly irradiated FBK 3D and planar pixel detectors	CECCARELLI, Rudy	
[114] Development and Characterization of CMOS Sensor for High Energy Hadrons for radiation therapy applications	MATEOS, Horacio	
[119] Effect of irradiation and annealing performed with bias voltage applied across the coupling capacitors on the interstrip resistance of ATLAS ITk strip silicon sensors	KROLL, Jiri	
[120] Characterization of the polysilicon resistor in silicon strip sensors for ATLAS Inner Tracker as a function of temperature, pre- and post-irradiation	KROLL, Jiri LETONOVA, Vera	
[122] Electrical performances of pre-productions staves for the ATLAS ITk Strip Detector Upgrade	SHARMA , Punit	
[129] Study of p-type silicon GCD and FET structures irradiated with a 60 Co gamma source at HL-LHC radiation levels and TCAD simulations	ASSIOURAS, Panagiotis	
[130] Analysis of humidity sensitivity of silicon strip sensors for ATLAS upgrade tracker, pre- and post-irradiation	FERNANDEZ-TEJERO, Javier	
[142] Towards a New Generation of Monolithic Active Pixel Sensors	FEINDT, Finn	
[159] The development of high precision, fast-timing 3D silicon sensors with a focus on the high luminosity upgrades of the ATLAS detector	ADDISON, Matthew	
[161] Pixel chamber: a solid-state active-target for 3D imaging of charm and beauty	MULLIRI, Alice	
[190] MONOLITH - picosecond time stamping capabilities in fully monolithic highly granular silicon pixel detectors	MILANESIO, Matteo	
[193] DCR and crosstalk characterization of a bi-layered 24x72 CMOS SPAD array for charged particle detection	TORILLA, Gianmarco	
[216] Development and test of innovative Low-Gain Avalanche Diodes for particle tracking in 4 dimensions	CROCI, Tommaso	

[222] ARCADIA FD-MAPS: simulation, characterization and perspectives for high resolution timing applications	NEUBUSER, Coralie	
[226] Commissioning and first performance results of the new ALICE upgraded Inner Tracking System	HILLEMANNS, Hartmut	
[232] Silicon sensors with resistive read-out: ML and analytics techniques for ultimate spatial resolution	TORNAGO, Marta	
[258] Expected reconstruction performance with the new ATLAS Inner Tracker at the High-Luminosity LHC	TESTA, Marianna	
[262] Simulation of an all-layer monolithic pixel vertex detector for the Belle II upgrade	MASSACCESI, Ludovico	
[282] Telepix - A fast region of interest trigger and timing layer for the EUDET Telescopes	HUTH, Lennart	
[285] SDDs for high-rate and high-resolution electron spectroscopy	NAVA, Andrea	
[286] The CMS Precision Proton Spectrometer timing system: precision timing with scCVD diamond crystals.	BOSSINI, Edoardo	
[287] Prospects for automatic data quality monitoring at the CMS pixel detector.	LAMBRECHT, Luka	
[292] Test and extraction methods for the QC parameters of silicon strip sensors for ATLAS upgrade tracker	ROUSSO, David	
[309] An LGAD-based full active target for the PIONEER experiment	OTT, Jennifer	
[324] Skipper-CCDs: current applications and future	CERVANTES VERGARA, Brenda Aurea	
[327] Tracking the Time: Single cell 3D pixel time resolution and Landau contribution evaluation via test-beam and laboratory measurements	Sig. EFREN, Rodriguez Rodriguez	
[329] MAPS-based tracking and vertexing for the Electron-Ion Collider	CONTIN, Giacomo	
[382] Negative Capacitance Ferroelectric Devices for Radiation Detection Applications	PASSERI, Daniele	
[331] The Silicon Vertex Detector of the Belle II Experiment	IRMLER, Christian	
[388] A new collimated multichannel modular detection system based on Silicon Drift Detectors	CIRRINCIONE, Daniela	
[389] Diamond detector’s response to intense high-energy electron pulses	GABRIELLI, Alice	
[413] The Upgrade of LHCb VELO	ZUNICA, Gianluca	
[427] Study of irradiated 3D pixel sensors from CNM	LASAOSA GARCÍA, Clara	
[435] Characterisation of the Microstrip Silicon Detector for the FragmentatiOn Of Target experiment	SILVESTRE, Gianluigi	
[99] The CMS Pixel Detector for the High Luminosity LHC	CASSESE, Antonio	
[396] Low Gain avalanche Diodes Technology: state of the art and future developments	PATERNOSTER, Giovanni	
[138] Development of a large-area, light-weight module using the MALTA monolithic pixel detector	DACHS, Florian	
[184] Operational results with the pixelated timing Counter (pTC) of the MEGII experiment during the first year of physics data taking	CATTANEO, Paolo Walter	
[188] ATLAS ITk Pixel demonstrators	TAYLOR, Jon	
[449] The ITk interlock hardware protection system	KERSTEN, Susanne	