PM2024 - 16th Pisa Meeting on Advanced Detectors

Thursday, 30 May 2024

Electronics and On-Detector Processing - Poster session - Sala Elena (15:31 - 19:20)

Friday, 31 May 2024

Electronics and On-Detector Processing - Poster session - Sala Elena (08:31 - 12:30)

[id] title	presenter	board
[219] Exploring XPOL-III: Advancements in CMOS VLSI ASIC for X-ray Detection	MINUTI, Massimo	
[53] Extending the Reach of the Mu2e Experiment through Developing Agnostic Track Reconstruction Algorithms	STORTINI, Matthew	
[81] Development of the ATLAS Liquid Argon Calorimeter Backend Readout Electronics for the HL-LHC	PARK, Ki Ryeong	
[125] Design and perspectives of the CMS Level-1 trigger Data Scouting system	ARDINO, Rocco	
[47] The Mu2e Digitizer ReAdout Controller (DiRAC): characterization and radiation hardness	PEDRESCHI, Elena	
[51] ATLAS Level-0 Muon Barrel Trigger System Status and Integration Tests for Phase-II	PERRELLA, Sabrina	
[80] Technical challenges and performance of the new ATLAS LAr Calorimeter Trigger	BILLINGSLEY, Sully	
[87] Matterhorn, a high flux detector for 4th generation synchrotrons	MOZZANICA, Aldo	
[93] R&D of a timing measurement ASIC for possible HL-LHC upgrade	Dr GHIMOUZ, Abderrahmane	
[118] A versatile and fast pixel matrix read-out architecture for MAPS	SOUDIER, Jean	
[121] A new concept analog system to readout multi-channel fast photodetectors	CUCINOTTA, Martina	
[178] Design and Thermal Simulation of the Front-end Module for STARLIGHT	WANG, Han	
[185] A Wide Dynamics Range Front-End Electronics for SiPMs using High-Speed Operational and Integration Amplifiers	CARIELLO, Massimo	
[198] Single Event Effect test results of the ULTRASAT space mission	BERLEA, Vlad Dumitru	
[208] First results from the Timepix4 telescope	BACHER, David	
[211] A Time-over-Threshold based analog front-end in 28 nm CMOS for pixel detectors in future colliders	GAIONI, Luigi	
[220] Design and performance of the readout chip in the Si(Li) tracker module of the GAPS experiment	RE, Valerio	
[244] Acquisition and Control Module for the DAMIC-M Experiment	BOGDAN, Mircea	
[249] First Experimental Results on Ignite0: a prototype Pixel Front-End ASIC with Timing in 28 nm	PICCOLO, Lorenzo	
[271] Performance of small-diameter muon drift tube chambers with new fast readout ASIC at high background rates	KROHA, Hubert	
[295] Performance and test of the new CMS ECAL barrel front-end electronics for HL-LHC	BORCA, Cecilia	
[307] The FastRICH ASIC at the LHCb RICH enhancements	KEIZER, Floris	
[314] A 4D-Tracker Demonstrator based on the Timespot1, a CMOS 28-nm ASIC	ADDISON, Matthew	
[318] Fast and low power SiPM amplifier operating in a wide temperature range	TROTTA, Davide	
[333] The front-end and DAQ system of the Terzina instrument onboard the NUSES space mission	Dr PESSOA LIMA JÚNIOR, Herman	

[343] Analog Front-End for the Readout of LGAD Based Particle Detectors	GIROLETTI, Simone	
[370] A flexible data acquisition system for the MEDIPIX family detectors	BIESUZ, Nicolò Vladi	
[405] Total Ionizing Dose Testing of Radiation-Hardened Silicon Photonic Mach-Zehnder Modulators	CAMMARATA, Simone	
[434] Characterisation studies of two front-end electronics chips designed for SiPM readout	LIU, Yong	
[443] First results on the final readout chip for the High-Luminosity LHC upgrade of the CMS Inner Tracker	GRIPPO, Michael	
[511] A 64-channel zone-sampling based ASIC for Cherenkov light detection from sub-orbital and orbital altitudes	DI SALVO, Andrea	
[471] Readout Studies for the HIKE Main Electromagnetic Calorimeter	FRANCESCONI, Marco	
[473] A novel real-time control system for next generation gravitational waves detectors	PROSPERI, Paolo	
[46] Status of the Mu2e calorimeter readout electronic	SPINELLA, Franco	
[138] Results from Cryo-PoF: power over fiber for fundamental and applied physics at cryogenic temperature.	TORTI, Marta	
[166] The New Small Wheel Trigger for the ATLAS experiment	ZORMPA, Olga	