TWEPP 2023 Topical Workshop on Electronics for Particle Physics

Thursday, 5 October 2023

Thursday posters session (17:40 - 19:00)

[id] title	presenter	board
[193] Development of quad-channel high resolution digital picoammeter for beam diagnostics	DONATTI, Mauricio	
[190] Evaluating the RFSoC as a Software-Defined Radio Readout System for Magnetic Microcalorimeters	GARTMANN, Robert	
[180] A common readout unit for multichannel array detectors at HIRFL-CSR	LI, Xianqin	
[108] An FPGA-based Data Aggregator for ATLAS ITK Pixel DCS System	QAMESH, Ahmed	
[58] Universal test system for boards hosting bPOL12V DC-DC converters.	STACHON, Krzysztof	
[23] A Charge-integration Pixel Detector Readout Chip Features High Frame Rate with in-pixel ADCs.	LI, Mujin	
[29] A Low-Power Gated-Vernier Ring Oscillator TDC for Cryogenic Detectors	MANDAL, Soumyajit	
[67] SiGe integrated chip readout for fast timing	Dr MAZZA, Simone Michele	
[89] Development of the data transmission architecture of the stitched sensor prototype towards the ALICE ITS3 upgrade	DOROSZ, Piotr Andrzej	
[106] SAQRADC: An on-demand, low-power, minimal footprint, 10-bit resolution charge-redistribution ADC with internal clock generation	ST. JOHN, Nicholas	
[114] Development of FABulous: An Embedded FPGA Framework in 28nm CMOS	RUCKMAN, Larry Lou Jr	
[120] Two HVCMOS active pixel ASIC designs for the Measuring GCR and SEP with a combined dynamic range of >80dB	Dr PAPADOMANOLAKI, Elena	
[124] FastRICH: a readout ASIC with precise time stamping for the LHCb RICH detector	PATERNO, Andrea	
[130] The Analog Front End for FastRICH: an ASIC for the LHCb RICH Detector Upgrade	Mr MANERA ESCALERO, Rafe MANERA ESCALERO, Rafel	I
[168] Design and measurements of SMAUG1, a prototype ASIC for voltage measurement using noise distribution	WEGRZYN, Grzegorz Jan WEGRZYN, Grzegorz Jan	
[184] Beam test of a baseline vertex detector for the CEPC	Mr WU, Tianya	
[191] A novel Front-End for Monolithic Active Pixel Detectors ASICs	DORDA, Ana	
[205] MightyPix at the LHCb Mighty Tracker – Verification of an HV-CMOS pixel chip's digital readout	SCHERL, Sigrid	
[32] A High Time Resolution Monolithic Active Pixel Sensor with Node-Based, Data Driven and Parallel Readout for Vertex Detector in particle physics Experiments	Dr XIAO, Le	
[54] The optimization, design and performance of the FBCM23 ASIC for the upgraded CMS beam monitoring system	WEGRZYN, Grzegorz Jan	
[65] Ionizing Radiation Influence on 28-nm MOS Transistor's Low-Frequency Noise Characteristics	APRO, Martin	

LIANG, Tianyu
BOWETT, Oliver BELL, Stephen GARDINER, Thomas
Dr MOSTAFANEZHAD, Isar
SHAH, Syed Adeel Ali
GE, Zhenwu
CALLIGARIS, Luigi
ZHANG, Jie
Dr SCHNEIDER, Marc
al MOBIUS, Silke
BARROS MARIN, Manoel
KLEKOTKO, Adam
; WILSON, Jon
ZHANG, Jie
BORTOLATO, Gabriele
MKRTCHYAN, Tigran
PAESANI, Daniele
PAESANI, Daniele
ABELLAN BETETA, Carlos
LANG, Lei CHEN, Kai
SACCANI, Mathieu
MICHEL, Jan MICHEL, Jan
SELJAK, Andrej
et LIU, Jun
ZHANG, Jie

[14] RD53A Quad Modules Production and QC for the ATLAS Inner Tracker Outer Barrel (OB) Demonstrator.	Mr KHWAIRA, Yahya A R
[38] Commissioning of the Test System for the Phase-2 Upgrade of the CMS Outer Tracker	Mr SZYDLIK, Patryk
[72] The End-of-Substructure (EoS) card for the ATLAS Strip Tracker Upgrade – from Design to Production	RUIZ DAZA, Sara
[46] A Custom Discrete Amplifier-Shaper-Discriminator Circuit for the Drift Chambers of the R3B Experiment at GSI	WIEBUSCH, Michael
[91] CMS ECAL Upgrade Front End card. Design and performance.	SINGOVSKI, Alexander
[98] Data acquisition system of the PANDA Micro-Vertex Detector (MVD)	Mrs MANZHURA, Olena