6th Summer School on INtelligent signal processing for FrontIEr Research and Industry

Saturday, 4 September 2021

THE POSTER SESSION: PRESENTATION OF THEIR POSTER by the SCHOOL ATTENDANTS - Auditorium of Faculty of Biology (09:00 - 15:00)

-**Conveners: Jose Miguel JIMENEZ**

time	[id] title	presenter
09:00	[122] BTW S-Band High-Gradient Acceleration Cavity Studies	MARTINEZ REVIRIEGO, Pablo
09:08	[123] BSM physics at the International Lineal Collider	MÁRQUEZ HERNÁNDEZ, Jesús
09:16	[124] Top quark mass measurements using ttbar+1 jet events in the ATLAS detector at 7, 8 and 13 TeV	PRADES IBANEZ, Alberto
09:24	[125] Assembly Process of the Innermost Modules of the ATLAS ITk Pixel Detector	CARLOTTO, Juan Ignacio
09:32	[126] LOW GAIN AVALANCHE DETECTOR (LGAD) FOR ATLAS AND CMS EXPERIMENTS	ANTONIO VILLEGAS DOMINGUEZ, Jairo
09:40	[127] A machine learning algorithm for tau leptons identification at L2 Trigger in the CMS experiment	D'AMANTE, Valeria
09:48	[128] 3D detectors for timing applications	OSCAR, Ferrer
09:56	[129] Measurement of D0 mixing and CP violation in D0 →K+π− decay at LHCb	RIBATTI, Roberto
10:04	[130] Simulating quench dynamics on a digital quantum computer with data-driven error mitigation	SOPENA, Alexandro
10:12	[131] FINE-TUNING in the 2-HDM	BERNAL, Alexander
10:20	[132] FPGA Signal Processing for the Trigger System of a Space High Energy Particle Detector	MARCO NAVARRO, Ruben
10:28	[133] Developments and Characterisation Results of DMAPS in TowerJazz in 180 nm for High Luminosity LHC	VAN RIJNBACH, Milou
10:36	[134] Triggering schemes for SuperCDMS	ZAYTSEV, Alexander
10:44	[135] MUON ISOLATION (ATLAS)	WEI, Yingjie
10:52	[136] In situ mass calibration of Large-R jets via Forward Folding method other tt events at 13 TeV	MONSONIS ROMERO, Luis
11:00	[137] Collimator Design for Gamma-Ray Cascade Angular Correlations in Medical Imaging	OLSHANOSKI, Kaylyn
11:08	[138] Programmable integrated photonics using liquid crystal	VAN ISEGHEM, Lukas
11:16	[139] Development of SPADs for NIR light detection	GAUTAM, Viveka
11:24	[140] Testing Lepton Flavour Universality in □ → □□+□− decays at LHCb	CELANI, Sara
11:32	[141] Evaluation of the PETsys TOFPET2 ASIC SIPM Readout System in the Scintillating Fibre Tracker (SciFi) prototype	CHOLAK, Serhii
11:40	[142] OPTICAL PROPERTIES OF SILICON AND TIN NANOSHEETS	BONAVENTURA, Eleonora

Time	Title	Speaker
11:48	[143] Search for New Physics in the Leptonic Decays at the CMS Experiment at LHC	SHALAEV, Vladislav
11:56	[144] Development and simulation of a new preshower detector for the FASER experiment at the LHC	KOTITSA, Rafaella Eleni
12:04	[145] CMS HCAL Run II Communication Loss and VTRx Studies	CUMMINGS, Grace
12:12	[146] Towards Novel Wafer-Wafer Bonded Pixel Detectors	WUTHRICH, Johannes Martin
12:20	[147] LOCO-ANS: An Optimization of JPEG-LS Usinf an Efficient and Low-Complexity Coder Based on ANS	ALONSO, Tobias
12:28	[148] HPC with GPUs in LHCb analysis	PEREIRO CASTRO, Asier ROMERO LAMAS, Marcos
12:36	[149] BM@N experiment online data processing and QA system	GABDRAKHMANOV, Ilnur
12:44	[150] DATABASE DEVELOPMENT FOR THE HIGH GRANULARITY TIMING DETECTOR for ATLAS UPGRADE	AIT TAMLIHAT, Malak
12:52	[151] SOFTWARE DEVELOPMENT for the UPGRADED LHCb MUON ELECTRONICS	KOTRIAKHOVA, Sofia
13:00	[152] A REAL TIME SUB-PICOSECOND PHASE CORRECTION SYSTEM	SARADHY, Rohith
13:08	[153] LHCb Scintillating Fibre (SciFi) Tracker,	SOARES LAVRA, Lais
13:16	[154] Classifying Jets with Graphical NeuralNet and Boosted Particle Flow	DAS, Abhishek
13:24	[155] AdS/CFT superconductors and non-Hermitian Holography	FULGADO CLAUDIO, Carlos
13:32	[156] Comparative analysis of the possible configurations of a magnetic refrigeration stage in an autonomous cryogenic cooling system	HERNANDO, Carlos
13:40	[157] nuclear medicine application in the GAMUS projec: Gamma ray detection system for breast cancer biopsy	FERNANDEZ MARTINEZ, Elena
13:50	[158] Swap Monte Carlo Methods in Deep Neural Network Training	MUNOZ, Juan Manuel