26TH INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY & NUCLEAR PHYSICS (CHEP2023)

Monday, May 8, 2023

Track 2 - Online Computing: DAQ Frameworks - Marriott Ballroom V-VI (11:00 AM - 12:30 PM)

-Conveners: Felice Pantaleo; Claire Antel

time	[id] title	presenter
11:00 AM	[574] One year of LHCb triggerless DAQ: achievements and lessons learned.	PISANI, Flavio
11:15 AM	[206] The new ALICE Data Acquisition system (O2/FLP) for LHC Run 3	BARROSO, Vasco
11:30 AM	[297] Operational experience with the new ATLAS HLT framework for LHC Run 3	POREBA, Aleksandra
11:45 AM	[607] INDRA-ASTRA	Mr FANG, Ronglong
12:00 PM	[305] ATLAS Trigger and Data Acquisition Upgrades for the High Luminosity LHC	NEGRI, Andrea
12:15 PM	[208] From hyperons to hypernuclei online	Prof. KISEL, Ivan

Track 2 - Online Computing: Online Reconstruction - Marriott Ballroom V-VI (2:00 PM - 3:30 PM)

-Conveners: Ruben Shahoyan; Felice Pantaleo

time	[id] title	presenter
2:00 PM	[273] Cluster reconstruction in the HGCAL at the Level 1 trigger	ALVES, Bruno
2:15 PM	[20] Level-3 trigger for CLAS12 with Artificial Intelligence	Mr TYSON, Richard
2:30 PM	[68] Impact of the high-level trigger for detecting long-lived particles at LHCb	Prof. VILASÍS-CARDONA, Xavier
2:45 PM	[287] Reconstructing jets in the Phase-2 upgrade of the CMS Level-1 Trigger with a seeded cone algorithm	SUMMERS, Sioni
3:00 PM	[233] The Particle Flow Algorithm in the Phase II Upgrade of the CMS Level-1 Trigger.	SUMMERS, Sioni
3:15 PM	[619] Online tagging and triggering with deep learning AI for next generation particle imaging detector	BHATTACHARYA, Meghna

Tuesday, May 9, 2023

Track 2 - Online Computing: DQ, Monitoring & Control - Marriott Ballroom V-VI (11:00 AM - 12:30 PM)

-Conveners: Claire Antel; Ruben Shahoyan

time	[id] title	presenter
11:00 AM	[295] The Run-3 ATLAS jet trigger	AMERL, Maximilian
11:15 AM	[219] LHCb Online Monitoring	MATEV, Rosen
11:30 AM	[501] First year of experience with the new operational monitoring tool for data taking in CMS during Run 3	Mr PETRUCCI, Andrea
11:45 AM	[495] Computer Vision for Data Quality Monitoring with Hydra	JESKE, Torri
12:00 PM	[73] The ALICE Data Quality Control	KONOPKA, Piotr
12:15 PM	[346] AI Driven Experiment Calibration and Control	BRITTON, Thomas

Track 2 - Online Computing: Accelerated Computing & Artificial Intelligence - Marriott Ballroom V-VI (2:00 PM - 3:30 PM)

-Conveners: Felice Pantaleo; Satoru Yamada

time	[id] title	presenter
2:00 PM	[289] Line Segment Tracking in the High-luminosity LHC	CHANG, Philip
2:15 PM	[957] Demonstration of track reconstruction with FPGAs on live data at LHCb	LAZZARI, Federico
2:30 PM	[296] Track reconstruction for the ATLAS Phase-II HLT using GNNs on FPGAs	DITTMEIER, Sebastian
2:45 PM	[331] A vendor-unlocked ITS GPU reconstruction in ALICE	CONCAS, Matteo
3:00 PM	[200] Preliminary Performance Study of an Alternative Calorimeter Clustering Solution for Allen in LHCb	VALLS CANUDAS, Núria
3:15 PM	[400] Triggerless data acquisition pipeline for Machine Learning based statistical anomaly detection	MIGLIORINI, Matteo

Track 2 - Online Computing: Network & Infrastructure - Marriott Ballroom V-VI (4:30 PM - 6:00 PM)

-Conveners: Satoru Yamada; Claire Antel

time	[id] title	presenter
4:30 PM	[493] Event Building studies for CMS Phase-2 at CERN	Dr KRAWCZYK, Rafal
4:45 PM	[300] Benchmarking Data Acquisition event building network performance for the ATLAS HL-LHC upgrade	POZO ASTIGARRAGA, Eukeni
5:00 PM	[953] Adoption of the alpaka performance portability library in the CMS software	BOCCI, Andrea
5:15 PM	[142] Improved HLT framework for Belle II experiment	ITOH, Ryosuke
5:30 PM	[315] Kubernetes for DUNE DAQ	LASORAK, Pierre
5:45 PM	[195] Scientific application development based on the Daisy	Dr FU, Shiyuan

Thursday, May 11, 2023

Track 2 - Online Computing: Network & Infrastructure (Part 2) - Marriott Ballroom V-VI (11:15 AM - 12:45 PM)

-Conveners: Ruben Shahoyan; Claire Antel

time	[id] title	presenter
11:15 AM	[506] Validation of the new hardware trigger processor at NA62 experiment	ROSSI, Cristian
11:30 AM	[381] Upgrade of Online Storage and Express-Reconstruction system for the Belle II experiment	PARK, Seokhee
11:45 AM	[94] Overview of the HL-LHC Upgrade for the CMS Level-1 Trigger	SAVARD, Claire
12:00 PM	[290] A High-Speed Asynchronous Data I/O Method for HEPS	FU, Shiyuan
12:15 PM	[503] Towards a container-based architecture for CMS data acquisition	SIMELEVICIUS, Dainius
12:30 PM	[519] MiniDAQ-3: providing concurrent independent subdetector data-taking on CMS production DAQ resources	BRUMMER, Philipp

Track 2 - Online Computing: Readout & Data Processing - Marriott Ballroom V-VI (2:00 PM - 3:30 PM)

-Conveners: Satoru Yamada; Ruben Shahoyan

time	[id] title	presenter
2:00 PM	[46] ATLAS LAr Calorimeter Commissioning for LHC Run-3	FURUKAWA, Marin
2:15 PM	[51] Commissioning of the ALICE readout software for LHC Run 3	CHAPELAND, Sylvain
2:30 PM	[47] Development of the ATLAS Liquid Argon Calorimeter Readout Electronics for the HL-LHC	VENTURA GONZALEZ, Salvador
2:45 PM	[303] FELIX: first operational experience with the new ATLAS readout system and perspectives for HL-LHC	HOYA, Joaquin
3:00 PM	[317] Streaming Readout and Data-Stream Processing With ERSAP	GYURJYAN, Vardan
3:15 PM	[119] The CMS Inner Tracker DAQ system for the High Luminosity upgrade of LHC: from single-chip testing, to large-scale assembly qualification	DINARDO, Mauro