

CPAD Instrumentation Frontier Workshop 2021

Thursday, 18 March 2021

TDAQ (12:00 - 13:40)

-Conveners: Isobel Ojalvo; Georgia Karagiorgi

time	[id] title	presenter
12:00	[15] Mu2e TDAQ and slow control systems	GIOIOSA, Antonio
12:20	[14] Development of the Mu2e electromagnetic calorimeter front-end and readout electronics	SPINELLA, Franco SPINELLA, franco SPINELLA, Franco
12:40	[46] Does anybody really know the time it is?	RUSACK, Roger
13:00	[211] FELIX: the Detector Interface for the ATLAS Experiment at CERN	PARAMONOV, Alexander
13:20	[213] The Expandable Modular ATCA hardware design for high-energy physics experiment applications	MADORSKY, Alexander

TDAQ (14:00 - 16:00)

-Conveners: Isobel Ojalvo; Georgia Karagiorgi

time	[id] title	presenter
14:00	[218] Liquid Argon Time Projection Chamber Trigger Development with MicroBooNE and SBND	KALRA, Daisy KALRA, Daisy
14:20	[145] Trigger and Data Acquisition for the Mu2e-II experiment	BONVENTRE, Richard BONVENTRE, Richard
14:40	[162] Streaming data acquisition system for CLAS12 Forward Tagger	BONDI', Mariangela
15:00	[209] Designing a 30 MHz GPU trigger, the LHCb experience	GLIGOROV, Vladimir
15:20	[158] Detector design for a Muon Collider experiment	JINDARIANI, Sergo

Friday, 19 March 2021

TDAQ (12:00 - 13:40)

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time	[id] title	presenter
12:00	[210] Real-time analysis in Run 3 with the LHCb experiment	VESTERINEN, Mika
12:20	[212] Towards an Interpretable Data-driven Trigger System for High-Throughput Physics Facilities	MILLER, David
12:40	[215] Global Trigger for the ATLAS Phase-II upgrade	HEINRICH, Jochen
13:00	[114] The Challenges of Machine Learning at the Edge	CORBEIL THERRIEN, Audrey
13:20	[219] Coprocessors as a service for accelerated inference of DL algorithms	KRUPA, Jeffrey

TDAQ (14:00 - 15:10)

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time	[id] title	presenter
14:00	[221] Triggering on Long-Lived Particles decaying to Hadronic Showers in CMS Muon System	KWOK, Ka hei martin
14:20	[214] Real-time Artificial Intelligence for Accelerator Control: A Study at the Fermilab Booster	HERWIG, Christian
14:40	[220] hls4ml: enabling real-time deep learning in HEP trigger and DAQ systems	NGADIUBA, Jennifer NGADIUBA, Jennifer