

EuCAIFCon 2025

Tuesday, 17 June 2025

Real-time Data Processing - T3a (12:00 - 13:00)

-Conveners: Elena Cuoco

time	[id] title	presenter
12:00	[144] □□ SFTs: a scalable data-analysis framework for long-duration gravitational-wave signals	TENORIO, Rodrigo
12:03	[34] □□ Detecting gravitational waves using convolutional neural networks.	MOBILIA, Lorenzo
12:06	[111] □□ Inference optimization with Memory Management and GPU Acceleration in TMVA SOFIE	SENGUPTA, Sanjiban
12:26	[69] □□ TrackCore-F: Tracking Transformer synthesis for low-latency FPGA deployment	ODYURT, Uraz
12:46	[113] □□ Advanced deep-learning applications in neutrino physics	Dr ALONSO MONSALVE, Saul
12:49	[108] □□ Suppressing and Tagging $\pi^0 \rightarrow \pi^+ \pi^-$ Surface Beta Events in LEGEND Using Semi-Supervised Latent Density Estimation	LAY, Niko Nanda Putra Nila

Real-time Data Processing - T3a (16:40 - 17:40)

-Conveners: Vilius Cepaitis

time	[id] title	presenter
16:40	[17] □ Rapid Identification and Classification of Eccentric Binary Blackhole mergers using Machine Learning	SHARMA, Yuvraj
16:43	[131] □□ A QGP Trigger based on Convolutional Neural Network for the CBM Experiment	KISEL, Ivan
16:46	[88] □□ Graph Neural Network Acceleration on FPGAs for Fast Inference in Future Muon Triggers at HL-LHC	ERRICO, Martino
17:06	[94] □□ Machine Learning-Based Energy Reconstruction for the ATLAS Tile Calorimeter at HL-LHC	CURCIO, Francesco
17:26	[136] □□ Real-time calibrations for future detectors at FAIR	KLADOV, Valentin
17:29	[87] □ Real-Time Motion Correction in Magnetic Resonance Spectroscopy: AI Solutions Inspired by fundamental science	ARGIENTO, Benedetta
17:32	[190] □□ Autoencoder-based time series anomaly detection for ATLAS Liquid Argon calorimeter data quality monitoring	CEPAITIS, Vilius

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Real-time Data Processing - T3a (15:00 - 16:00)

-Conveners: Elena Cuoco

time	[id] title	presenter
15:03	[101] □□ Using AI on FPGAs for the CMS Overlap Muon Track Finder for the HL-LHC	LEGUINA, Pelayo
15:23	[105] □□ Design and deployment of a fast neural network for measuring the properties of muons originating from displaced vertices in the CMS Endcap Muon Track Finder	YIGITBASI, Efe
15:43	[10] □ GINGERINO signal reconstruction and classification through neural networks implementation	DI SOMMA, Giuseppe
15:46	[106] □ B-hadron identification in b-jets using novel deep learning technique in pp collisions in CMS	KUMAR, Prince