

ROOT Users' Workshop

Monday, 10 September 2018

Parallelism, Heterogeneity and Distributed Data Processing (11:00 - 12:35)

-Conveners: Javier Cervantes Villanueva

time	[id] title	presenter
11:00	[15] Support Future Data Analysis with a Parallelised ROOT	PIPARO, Danilo
11:20	[20] Utilities for parallelism at task-level and data-level in ROOT	VALLS PLA, Xavier
11:35	[6] RooFit parallelization efforts	Dr BOS, Patrick
11:50	[52] Vectorized processing of nested data	PIVARSKI, Jim
12:05	[13] Support for SIMD Vectorization in ROOT	AMADIO, Guilherme
12:20	[38] Adding CUDA Support to Cling: JIT Compile to GPUs	Mr EHRIG, Simeon

Parallelism, Heterogeneity and Distributed Data Processing (14:00 - 15:15)

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time	[id] title	presenter
14:00	[40] Asynchronous, parallel computations for complex simulation tasks in ROOT.	Dr KERDELS, Jochen
14:15	[34] Integrating ROOT I/O with Apache Spark	KHRISTENKO, Viktor
14:30	[19] RDataFrame: ROOT's Declarative Approach for Manipulation and Analysis of Datasets	GUIRAUD, Enrico
14:50	[39] Data Analysis and Simulations in Exascale Computing: Quō vādis?	HUEBL, Axel
15:05	[71] Future Accelerators: Different Languages, Different Platforms	PIPARO, Danilo

Parallelism, Heterogeneity and Distributed Data Processing: Discussion Session (15:15 - 15:30)

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