

IEEE eScience Parallel Track: Exascale in HEP

Report of Contributions

Contribution ID: 0

Type: **not specified**

Collaborative analysis at a global scale with SWAN: Jupyter-as-a-service

Presenter: Dr LAMANNA, Massimo (CERN)

Contribution ID: 1

Type: **not specified**

Reusable data, reproducible analyses: today, tomorrow, next decade

Presenter: Dr SIMKO, Tibor (CERN)

Contribution ID: 2

Type: **not specified**

Getting researchers to the data: data from the lake

Presenter: Dr SCHOVANCOVÁ, Jaroslava (CERN)

Contribution ID: 3

Type: **not specified**

Welcome and Opening Remarks

Wednesday, 31 October 2018 08:30 (10 minutes)

Session Classification: Session 1

Contribution ID: 4

Type: **not specified**

Modelling High-Energy Physics Data Transfers

Wednesday, 31 October 2018 09:00 (20 minutes)

Presenter: Dr BOGADO, Joaquin (Universidad Nacional de la Plata, Buenos Aires, Argentina)

Session Classification: Session 1

Contribution ID: 5

Type: **not specified**

Keynote: Satisfying the Ever Growing Appetite of HEP for High Throughput Computing

Wednesday, 31 October 2018 09:40 (50 minutes)

Presenter: Prof. LIVNY, Miron (University of Wisconsin)

Session Classification: Session 1

Contribution ID: 6

Type: **not specified**

Fine-grained processing towards HL-LHC computing in ATLAS

Wednesday, 31 October 2018 13:30 (20 minutes)

Presenter: TSULAIA, Vakho

Session Classification: Session 2

Contribution ID: 7

Type: **not specified**

Implementation of the ATLAS trigger within the ATLAS Multi-Threaded Software Framework AthenaMT

Wednesday, 31 October 2018 13:50 (20 minutes)

Presenter: MARTIN, Tim

Session Classification: Session 2

Contribution ID: 8

Type: **not specified**

Towards Exascale Computing for High Energy Physics: The ATLAS Experience at ORNL

Wednesday, 31 October 2018 14:30 (20 minutes)

Presenter: JHA, Shantenu

Session Classification: Session 2

Contribution ID: 9

Type: **not specified**

Understanding the performance of a prototype of a WLCG data lake for HL-LHC

Wednesday, 31 October 2018 08:40 (20 minutes)

Presenter: Dr SCHOVANCOVÁ, Jaroslava (CERN)

Session Classification: Session 1

Contribution ID: **10**

Type: **not specified**

Distributed and on-demand cache for CMS experiment at LHC

Wednesday, 31 October 2018 09:20 (20 minutes)

Presenter: Dr SEXTON-KENNEDY, Elizabeth (Fermilab)

Session Classification: Session 1

Contribution ID: **11**

Type: **not specified**

Modelling Impact of Execution Strategies on Resource Utilization

Wednesday, 31 October 2018 14:10 (20 minutes)

Presenter: POYDA, Alexey

Session Classification: Session 2

Contribution ID: 12

Type: **not specified**

Simulating HEP Workflows on Heterogeneous Architecture

Wednesday, 31 October 2018 14:50 (20 minutes)

Presenter: LEGGETT, Charles

Session Classification: Session 2

Contribution ID: 13

Type: **not specified**

TrackML: a High Energy Physics particle tracking challenge

Wednesday, 31 October 2018 15:30 (20 minutes)

Presenter: USTYUZHANIN, Andrey

Session Classification: Session 3

Contribution ID: 14

Type: **not specified**

Automated Parallel Calculation of Collaborative Statistical Models in RooFit

Wednesday, 31 October 2018 15:50 (20 minutes)

Presenter: BOS, Patrick

Session Classification: Session 3

Contribution ID: 15

Type: **not specified**

Strategies for Modeling Extreme Luminosities in the CMS Simulation

Wednesday, 31 October 2018 16:10 (20 minutes)

Session Classification: Session 3

Contribution ID: **16**

Type: **not specified**

Deep generative models for fast shower simulation in ATLAS

Wednesday, 31 October 2018 16:30 (20 minutes)

Session Classification: Session 3

Contribution ID: 17

Type: **not specified**

Poster pitches

Wednesday, 31 October 2018 16:50 (5 minutes)

Presenter: Dr POZO ASTIGARRAGA, Eukeni (CERN)

Session Classification: Session 3

Contribution ID: **18**

Type: **not specified**

Closing remarks

Wednesday, 31 October 2018 16:55 (5 minutes)

Session Classification: Session 3