CHEP Rehearsals 2019

Report of Contributions

Contribution ID: **28**　　　　　　　　　　　　　　　　　　Type: **not specified**

Evolving Geant4 to cope with the new HEP computing challenges

Friday, 25 October 2019 09:00 (45 minutes)

Presenter: GHEATA, Andrei (CERN)

Session Classification: Session 3

Contribution ID: **29**   Type: **not specified**

A fully unprivileged CernVM-FS (poster)

Friday, 25 October 2019 14:30 (30 minutes)

Presenter: BLOMER, Jakob (CERN)

Session Classification: Session 3

Contribution ID: **30** Type: **not specified**

End-to-end Deep Learning Fast Simulation Framework (poster)

Monday, 28 October 2019 09:00 (30 minutes)

Presenter: IFRIM, Ioana (CERN)

Session Classification: Session 4

Contribution ID: **31**   Type: **not specified**

Distributed data analysis with ROOT RDataFrame (oral)

Friday, 25 October 2019 11:20 (45 minutes)

Presenter: TEJEDOR SAAVEDRA, Enric (CERN)

Session Classification: Session 3

Contribution ID: **32**   Type: **not specified**

A new PyROOT: Modern, Interoperable and more Pythonic (poster)

Friday, 25 October 2019 10:30 (30 minutes)

Presenter: TEJEDOR SAAVEDRA, Enric (CERN)

Session Classification: Session 3

Contribution ID: **33**　　　　　　　　　　　　　　　　　　Type: **not specified**

Machine Learning with ROOT/TMVA (oral)

Friday, 25 October 2019 09:45 (45 minutes)

Presenter:　WUNSCH, Stefan (KIT - Karlsruhe Institute of Technology (DE))

Session Classification:　Session 3

Contribution ID: **34**   Type: **not specified**

Fast inference system in ROOT/TMVA (poster)

Friday, 25 October 2019 12:05 (30 minutes)

Presenter: AN, Sitong (CERN, Carnegie Mellon University (US))

Session Classification: Session 3

Contribution ID: **35** Type: **not specified**

New web-based ROOT GUI (oral)

Monday, 28 October 2019 10:15 (45 minutes)

https://indico.cern.ch/event/773049/contributions/3473242/

Presenter: LINEV, Serguei (GSI - Helmholtzzentrum fur Schwerionenforschung GmbH (DE))

Session Classification: Session 4

Contribution ID: **36** Type: **not specified**

Web-based ROOT geometry viewer (oral)

Monday, 28 October 2019 11:20 (30 minutes)

https://indico.cern.ch/event/773049/contributions/3473248/

Presenter: LINEV, Serguei (GSI - Helmholtzzentrum fur Schwerionenforschung GmbH (DE))

Session Classification: Session 4

Contribution ID: **37** Type: **not specified**

Learning high-level structures in HEP data with novel Deep Auto-Regressive Networks for Fast Simulation (oral)

Monday, 28 October 2019 09:45 (45 minutes)

Presenter: IFRIM, Ioana (CERN)

Session Classification: Session 4

Contribution ID: **38** Type: **not specified**

Coffee break

Monday, 28 October 2019 11:00 (20 minutes)

Session Classification: Session 4

Contribution ID: **39**   Type: **not specified**

Optimizing Provisioning of LCG Software Stacks with Kubernetes (poster)

Friday, 25 October 2019 14:00 (30 minutes)

Presenters: GANIS, Gerardo (CERN);   HEINZ, Johannes Martin;   ET AL.

Session Classification: Session 3

Contribution ID: **42**　　　　　　　　　　　　　　　　　　　　　　　　Type: **not specified**

Automatic Differentiation in ROOT (oral)

Monday, 21 October 2019 11:00 (45 minutes)

Presenter:　SHADURA, Oksana (University of Nebraska Lincoln (US))

Session Classification:　Session 2

Contribution ID: 45 Type: **not specified**

ROOT I/O improvements for HEP analysis (poster)

Monday, 28 October 2019 11:50 (20 minutes)

Presenter: SHADURA, Oksana (University of Nebraska Lincoln (US))

Session Classification: Session 4

Contribution ID: 46   Type: **not specified**

Review of High-Quality Pseudo Random Number Generators (oral)

Monday, 28 October 2019 12:10 (30 minutes)

Presenter: MONETA, Lorenzo (CERN)

Session Classification: Session 4

Contribution ID: **47**
Type: **not specified**

Evolution of the ROOT Tree I/O (oral)

Friday, 25 October 2019 15:00 (45 minutes)

Presenter: BLOMER, Jakob (CERN)

Session Classification: Session 3

Contribution ID: **48**　　　　　　　　　　　　　　Type: **not specified**

C++ Modules in ROOT and Beyond (oral)¶

Friday, 25 October 2019 15:45 (45 minutes)

Presenter:　SHADURA, Oksana (University of Nebraska Lincoln (US))

Session Classification:　Session 3

Contribution ID: **50**   Type: **not specified**

A faster, more accessible RooFit (poster)

Monday, 28 October 2019 12:40 (30 minutes)

Presenter: HAGEBOECK, Stephan (CERN)

Session Classification: Session 4

Contribution ID: **52**   Type: **not specified**

Using CMS Open Data for education, outreach and software development

Friday, 25 October 2019 12:35 (5 minutes)

Just FYI

Talk under the head of CMS and the CERN Open Data effort but with many connections to our work in SFT/ROOT. The actual rehearsal is organized by CMS.

If you are interested, have a look, feel free to make comments and send them to me in private mail. Thanks!

Presenter: WUNSCH, Stefan (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Session 3