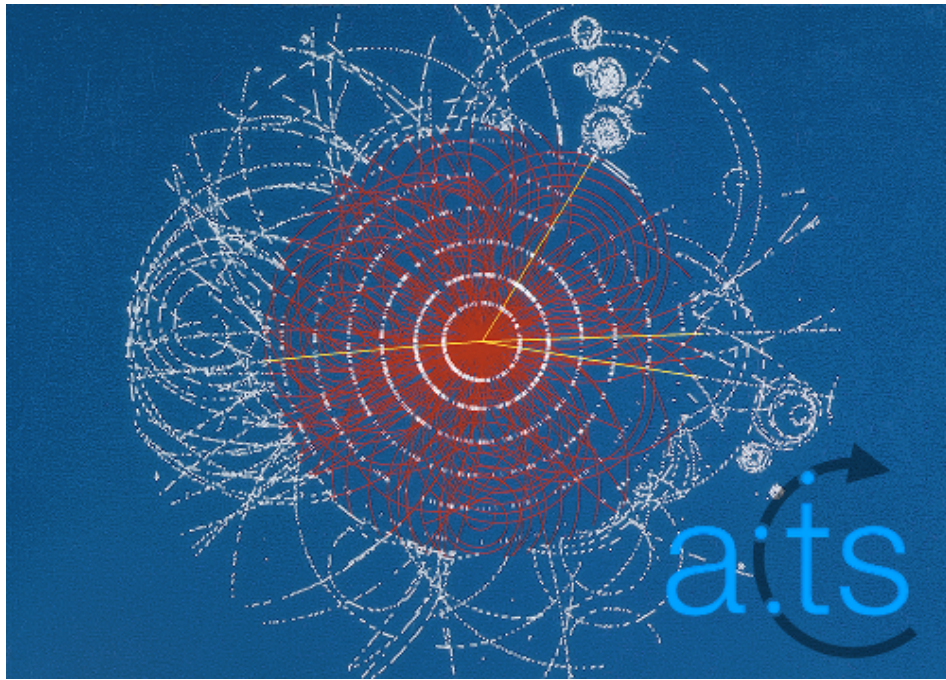


ACTS Tracking for HEP Workshop



Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction - Workshop Goals

Monday, May 25, 2020 4:00 PM (10 minutes)

Presenter: SALZBURGER, Andreas (CERN)

Session Classification: Introduction, Status, and Experiment Feedback

Contribution ID: 2

Type: **not specified**

ACTS Project Status

Monday, May 25, 2020 4:15 PM (25 minutes)

Presenter: AI, Xiaocong (UC Berkeley)

Session Classification: Introduction, Status, and Experiment Feedback

Contribution ID: 3

Type: **not specified**

R&D Line: New Algorithms & ML

Monday, May 25, 2020 4:45 PM (15 minutes)

Presenter: KIEHN, Moritz (Universite de Geneve (CH))

Session Classification: Introduction, Status, and Experiment Feedback

Contribution ID: 4

Type: **not specified**

R&D Line: Accelerators and Parallelization

Monday, May 25, 2020 5:05 PM (15 minutes)

Presenter: MANIA, Georgiana (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Introduction, Status, and Experiment Feedback

Contribution ID: 5

Type: **not specified**

ATLAS Experience

Monday, May 25, 2020 5:25 PM (10 minutes)

Presenter: ALLAIRE, Corentin (CERN)

Session Classification: Introduction, Status, and Experiment Feedback

Contribution ID: 6

Type: **not specified**

BELLE-2 Experience

Monday, May 25, 2020 5:40 PM (10 minutes)

Presenter: FARKAS, Ralf

Session Classification: Introduction, Status, and Experiment Feedback

Contribution ID: 7

Type: **not specified**

sPHENIX Experience

Monday, May 25, 2020 5:55 PM (10 minutes)

Presenter: OSBORN, Joe (Oak Ridge National Laboratory)

Session Classification: Introduction, Status, and Experiment Feedback

Contribution ID: 8

Type: **not specified**

CEPC Experience

Monday, May 25, 2020 6:10 PM (10 minutes)

Presenter: ZHANG, Jin (DESY)

Session Classification: Introduction, Status, and Experiment Feedback

Contribution ID: 9

Type: **not specified**

FASER Experience

Monday, May 25, 2020 6:25 PM (10 minutes)

Presenter: LI, Ke (University of Washington (US))

Session Classification: Introduction, Status, and Experiment Feedback

Contribution ID: **10**

Type: **not specified**

Prerequisite

Tuesday, May 26, 2020 4:30 PM (5 minutes)

Container installation of Tutorial release

Session Classification: Tutorial Session

Contribution ID: 11

Type: **not specified**

Hello World Examples

Tuesday, May 26, 2020 4:40 PM (10 minutes)

Presenter: SALZBURGER, Andreas (CERN)

Session Classification: Tutorial Session

Contribution ID: 12

Type: **not specified**

Geometry Building

Tuesday, May 26, 2020 4:55 PM (15 minutes)

Presenter: SALZBURGER, Andreas (CERN)

Session Classification: Tutorial Session

Contribution ID: 13

Type: **not specified**

Propagation Examples

Tuesday, May 26, 2020 5:15 PM (10 minutes)

Presenter: SALZBURGER, Andreas (CERN)

Session Classification: Tutorial Session

Contribution ID: 14

Type: **not specified**

Fast Track Simulation

Tuesday, May 26, 2020 5:30 PM (10 minutes)

Presenter: KIEHN, Moritz (Universite de Geneve (CH))

Session Classification: Tutorial Session

Contribution ID: 15

Type: **not specified**

Truth Tracking Example

Tuesday, May 26, 2020 5:45 PM (10 minutes)

Presenter: AI, Xiaocong (UC Berkeley)

Session Classification: Tutorial Session

Contribution ID: 16

Type: **not specified**

CKF Example

Tuesday, May 26, 2020 6:00 PM (15 minutes)

Presenter: AI, Xiaocong (UC Berkeley)

Session Classification: Tutorial Session

Contribution ID: 17

Type: **not specified**

Vertex Reconstruction

Tuesday, May 26, 2020 6:20 PM (15 minutes)

Presenter: SCHLAG, Bastian (CERN / JGU Mainz)

Session Classification: Tutorial Session

Contribution ID: **18**

Type: **not specified**

Workpackage: Geometry

Wednesday, May 27, 2020 4:30 PM (20 minutes)

Presenter: SALZBURGER, Andreas (CERN)

Session Classification: Core Development

Contribution ID: 19

Type: **not specified**

Workpackage: Repository cleanup

Wednesday, May 27, 2020 4:50 PM (20 minutes)

Presenter: KIEHN, Moritz (Universite de Geneve (CH))

Session Classification: Core Development

Contribution ID: 20

Type: **not specified**

Workpackage: Tracking for TPC/DC

Wednesday, May 27, 2020 5:10 PM (30 minutes)

Presenter: KLIMPEL, Fabian (Max-Planck-Institut für Physik (DE))

Session Classification: Core Development

Contribution ID: 21

Type: **not specified**

Workpackage: KalmanFilter-based alignment approach

Wednesday, May 27, 2020 5:40 PM (20 minutes)

Presenter: AI, Xiaocong (UC Berkeley)

Session Classification: Core Development

Contribution ID: 22

Type: **not specified**

Geometry on GPUs

Thursday, May 28, 2020 4:30 PM (30 minutes)

Presenter: SALZBURGER, Andreas (CERN)

Session Classification: R&D Development

Contribution ID: 23

Type: **not specified**

Integration of CUDA implementations, etc

Thursday, May 28, 2020 5:00 PM (30 minutes)

Presenter: AI, Xiaocong (UC Berkeley)

Session Classification: R&D Development

Contribution ID: 24

Type: **not specified**

Feedback for PANDA

Wednesday, May 27, 2020 4:00 PM (15 minutes)

Presenter: SALZBURGER, Andreas (CERN)

Session Classification: Q&A Session

Contribution ID: 25

Type: **not specified**

Follow-up: TPC/DC Propagation trials

Thursday, May 28, 2020 4:00 PM (15 minutes)

Presenters: SALZBURGER, Andreas (CERN); KLIMPEL, Fabian (Max-Planck-Institut für Physik (DE))

Session Classification: Q&A Session

Contribution ID: 26

Type: **not specified**

Summary: Core Session Wednesday

Friday, May 29, 2020 4:30 PM (10 minutes)

Presenter: AI, Xiaocong (UC Berkeley)

Session Classification: Close-Out

Contribution ID: 27

Type: **not specified**

Summary: R&D Session Thursday

Friday, May 29, 2020 4:45 PM (10 minutes)

Presenter: STYLES, Nicholas (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Close-Out

Contribution ID: 28

Type: **not specified**

Closeout

Friday, May 29, 2020 5:00 PM (15 minutes)

Presenter: SALZBURGER, Andreas (CERN)

Session Classification: Close-Out

Contribution ID: 29

Type: **not specified**

Cleanup and documentation of the TGeoPlugin

Friday, May 29, 2020 4:00 PM (15 minutes)

Presenter: SALZBURGER, Andreas (CERN)

Session Classification: Q&A Session