HEP software community meeting on GeantV R&D

Report of Contributions

Contribution ID: **1** Type: **not specified**

Introduction to the Community Meeting

Tuesday 25 October 2016 09:00 (10 minutes)

Presenters: MATO VILA, Pere (CERN); WENAUS, Torre (Brookhaven National Laboratory (US))

Session Classification: Morning Session

Contribution ID: **2**　　　　　　　　　　　　　　　　　　　Type: **not specified**

Overview of GeantV

Tuesday 25 October 2016 09:15 (45 minutes)

Presenter:　CARMINATI, Federico (CERN)

Session Classification:　Morning Session

Contribution ID: **3**　　　　　　　　　　　　　　　　　　　　Type: **not specified**

Structure and Interfaces

Tuesday 25 October 2016 10:05 (1 hour)

Presenters: RIBON, Alberto (CERN); GHEATA, Andrei (CERN)

Session Classification: Morning Session

Contribution ID: 4 Type: **not specified**

Development model & infrastructure

Tuesday 25 October 2016 11:35 (20 minutes)

Presenter: SHADURA, Oksana (National Technical Univ. of Ukraine "Kyiv Polytechnic Institute)

Session Classification: Morning Session

Contribution ID: **5**   Type: **not specified**

SIMD programming and the VecCore Library

Tuesday 25 October 2016 12:00 (30 minutes)

Presenter: AMADIO, Guilherme (UNESP - Universidade Estadual Paulista (BR))

Session Classification: Morning Session

Contribution ID: **6**　　　　　　　　　　　　　　　　　　　　Type: **not specified**

Geometry and Navigation

Tuesday 25 October 2016 14:00 (40 minutes)

Presenters:　CANAL, Philippe (Fermi National Accelerator Lab. (US));　WENZEL, Sandro Christian (CERN)

Session Classification:　Afternoon Session

Contribution ID: **8**   Type: **not specified**

Integration of VecGeom in Geant4 and Root

Tuesday 25 October 2016 14:40 (15 minutes)

Presenters: COSMO, Gabriele (CERN); LIMA, Guilherme (FermiLab (US))

Session Classification: Afternoon Session

Contribution ID: **9**   Type: **not specified**

Vectorisation of existing physics models

Tuesday 25 October 2016 15:00 (30 minutes)

Presenter: JUN, Soon Yung (Fermi National Accelerator Lab. (US))

Session Classification: Afternoon Session

Contribution ID: **10** Type: **not specified**

New physics modelling for electrons and positrons

Wednesday 26 October 2016 09:00 (45 minutes)

Presenter: NOVAK, Mihaly (CERN)

Session Classification: Morning Session

Contribution ID: **11**   Type: **not specified**

Hadronic & neutron physics

Wednesday 26 October 2016 09:55 (20 minutes)

Presenter: RIBON, Alberto (CERN)

Session Classification: Morning Session

Contribution ID: **12**   Type: **not specified**

Propagation in Electromagnetic field

Wednesday 26 October 2016 10:20 (20 minutes)

Presenter: APOSTOLAKIS, John (CERN)

Session Classification: Morning Session

Contribution ID: **13**   Type: **not specified**

Input/Output, MC truth and Validation Database

Wednesday 26 October 2016 11:15 (30 minutes)

Presenter: POKORSKI, Witold (CERN)

Session Classification: Morning Session

Contribution ID: **14** Type: **not specified**

Early testing of components in experiment(s)

Wednesday 26 October 2016 15:00 (20 minutes)

Session Classification: Afternoon Session

Contribution ID: **15**   Type: **not specified**

Coprocessors & Accelerators

Wednesday 26 October 2016 12:00 (30 minutes)

Presenter: Dr VALLECORSA, Sofia (Gangneung-Wonju National University (KR))

Session Classification: Morning Session

Contribution ID: **16**   Type: **not specified**

Parallelism, transport structure and overall performance

Wednesday 26 October 2016 15:25 (45 minutes)

Presenter: GHEATA, Andrei (CERN)

Session Classification: Afternoon Session

Contribution ID: **17**   Type: **not specified**

Manpower, testing, integration & Outlook

Wednesday 26 October 2016 16:15 (45 minutes)

Presenter: CARMINATI, Federico (CERN)

Session Classification: Afternoon Session

Contribution ID: **18** Type: **not specified**

Closed Session

Wednesday 26 October 2016 17:00 (1 hour)

Session Classification: Afternoon Session

Contribution ID: **21** Type: **not specified**

Closeout and discussion on feedback

Thursday 27 October 2016 14:00 (1 hour)

Session Classification: Afternoon Session

Contribution ID: **22** Type: **not specified**

Closed Session

Thursday 27 October 2016 09:00 (3h 30m)

Session Classification: Morning Session

Contribution ID: **23**   Type: **not specified**

Random Number Generators for GeantV

Tuesday 25 October 2016 17:35 (15 minutes)

Presenter: APOSTOLAKIS, John (CERN)

Session Classification: Afternoon Session