

FNAL Code Sprint (Spring 16)

Report of Contributions

Contribution ID: 1

Type: **not specified**

Status & Plans for the Project

Monday, 14 March 2016 09:00 (45 minutes)

Presenter: CARMINATI, Federico (CERN)

Session Classification: Morning

Contribution ID: 2

Type: **not specified**

Infrastructure and Software Management

Monday, 14 March 2016 09:45 (45 minutes)

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

Session Classification: Morning

Contribution ID: 3

Type: **not specified**

GeantV: Framework and Scheduler

Monday, 14 March 2016 11:00 (1 hour)

Presenter: GHEATA, Andrei (CERN)

Session Classification: Morning

Contribution ID: 4

Type: **not specified**

I/O Developments and Validation Database

Monday, 14 March 2016 14:30 (1 hour)

Presenter: POKORSKI, Witold (CERN)

Session Classification: Afternoon

Contribution ID: 5

Type: **not specified**

Propagation in Magnetic Field

Monday, 14 March 2016 13:30 (1 hour)

Presenter: APOSTOLAKIS, John (CERN)

Session Classification: Afternoon

Contribution ID: 6

Type: **not specified**

Foundation Topics: Units, Constants, Materials, RNG

Monday, 14 March 2016 16:00 (1 hour)

Session Classification: Afternoon

Contribution ID: 7

Type: **not specified**

Plans for the Sprint (by sub-Group)

Monday, 14 March 2016 17:00 (1 hour)

Session Classification: Afternoon

Contribution ID: **8**

Type: **not specified**

Performance Tuning and Monitoring using Genetic Optimization Techniques

Tuesday, 15 March 2016 09:45 (45 minutes)

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

Session Classification: Morning

Contribution ID: 9

Type: **not specified**

VecCore : Status and Integration Plan

Tuesday, 15 March 2016 11:00 (1 hour)

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

Session Classification: Morning

Contribution ID: 11

Type: **not specified**

VecGeom: Xeon Phi Offload Backend and Performance

Wednesday, 16 March 2016 09:00 (1 hour)

Presenter: DE PAULA BIANCHINI, Calebe (UNESP - Universidade Estadual Paulista (BR))

Session Classification: Morning

Contribution ID: **12**

Type: **not specified**

VecGeom: Validation

Wednesday, 16 March 2016 10:00 (1 hour)

Presenters: COSMO, Gabriele (CERN); GHEATA, Mihaela (ISS - Institute of Space Science (RO))

Session Classification: Morning

Contribution ID: 13

Type: **not specified**

VecGeom: Shape Tests, Performance and Connectivity to Geant4

Wednesday, 16 March 2016 11:30 (1 hour)

Presenter: LIMA, Guilherme (FermiLab (US))

Session Classification: Morning

Contribution ID: 14

Type: **not specified**

Physics Framework Design and Implementation, FastSim (Status)

Thursday, 17 March 2016 09:00 (1 hour)

Presenter: RIBON, Alberto (CERN)

Session Classification: Morning

Contribution ID: 15

Type: **not specified**

Latest EM Developments

Thursday, 17 March 2016 10:00 (45 minutes)

Presenter: NOVAK, Mihaly (CERN)

Session Classification: Morning

Contribution ID: **16**

Type: **not specified**

Vector EM Physics Models: Status, Validation and Integration

Thursday, 17 March 2016 11:00 (45 minutes)

Presenters: APOSTOLAKIS, John (CERN); BANDIERAMONTE, Marilena (CERN); JUN, Soon Yung (Fermi National Accelerator Lab. (US))

Session Classification: Morning

Contribution ID: 23

Type: **not specified**

Vector Navigation: Status

Tuesday, 15 March 2016 09:00 (45 minutes)

Presenter: WENZEL, Sandro Christian (CERN)

Session Classification: Morning

Contribution ID: 24

Type: **not specified**

CUDA & KNC/L Porting

Tuesday, 15 March 2016 14:00 (1 hour)

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

Session Classification: Afternoon

Contribution ID: 25

Type: **not specified**

MPI Porting and Benchmarking

Tuesday, 15 March 2016 15:00 (30 minutes)

Presenter: BANDIERAMONTE, Marilena (CERN)

Session Classification: Afternoon

Contribution ID: 26

Type: **not specified**

GeantV: Overall Performance

Tuesday, 15 March 2016 16:00 (30 minutes)

Presenter: CANAL, Philippe (Fermi National Accelerator Lab. (US))

Session Classification: Afternoon

Contribution ID: 27

Type: **not specified**

Performance Profiling and Benchmarking

Tuesday, 15 March 2016 16:30 (30 minutes)

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

Session Classification: Afternoon

Contribution ID: **28**

Type: **not specified**

Integration Tests (ExN03 <-> CMS), Unit Tests and Debugging Aids

Tuesday, 15 March 2016 17:00 (1 hour)

Session Classification: Afternoon

Contribution ID: 29

Type: **not specified**

Parallel Sessions by WG

Friday, 18 March 2016 09:00 (3 hours)

Session Classification: Morning

Contribution ID: 31

Type: **not specified**

Parallel Sessions by WG

Friday, 18 March 2016 13:30 (3 hours)

Session Classification: Afternoon

Contribution ID: 32

Type: **not specified**

Parallel Sessions by WG

Thursday, 17 March 2016 14:00 (1h 30m)

Session Classification: Afternoon

Contribution ID: 33

Type: **not specified**

Summary of Workshop and the Next Milestone

Thursday, 17 March 2016 16:00 (1 hour)

Presenters: CARMINATI, Federico (CERN); CANAL, Philippe (Fermi National Accelerator Lab. (US))

Session Classification: Afternoon

Contribution ID: 34

Type: **not specified**

Parallel Sessions by WG

Wednesday, 16 March 2016 14:00 (3 hours)

Session Classification: Afternoon