

EIC Software Meeting on Detector and Physics Simulations

Report of Contributions

Contribution ID: 1

Type: **not specified**

Requirements for initial EIC simulation software

Wednesday, 10 July 2019 09:01 (29 minutes)

Presenter: DIEFENTHALER, Markus (Jefferson Lab)

Session Classification: Morning session

Contribution ID: 2

Type: **not specified**

Discussion

Wednesday, 10 July 2019 09:30 (30 minutes)

Session Classification: Morning session

Contribution ID: 3

Type: **not specified**

Argonne EIC software initiative: HepSim

Wednesday, 10 July 2019 11:15 (10 minutes)

Presenter: REPOND, Jose (Argonne National Laboratory)

Session Classification: Morning session

Contribution ID: 4

Type: **not specified**

EicRoot

Wednesday, 10 July 2019 10:00 (15 minutes)

Presenter: KISELEV, Alexander (BNL)

Session Classification: Morning session

Contribution ID: 5

Type: **not specified**

fun4all

Wednesday, 10 July 2019 10:15 (15 minutes)

Presenter: PINKENBURG, Chris (BNL)

Session Classification: Morning session

Contribution ID: 6

Type: **not specified**

JLEIC

Wednesday, 10 July 2019 10:45 (15 minutes)

Presenter: ROMANOV, Dmitry (Jefferson Lab)

Session Classification: Morning session

Contribution ID: 7

Type: **not specified**

eic-smear

Wednesday, 10 July 2019 11:00 (15 minutes)

Presenter: KAUDER, Kolja (Wayne State University)

Session Classification: Morning session

Contribution ID: 8

Type: **not specified**

Discussion

Wednesday, 10 July 2019 11:25 (45 minutes)

Session Classification: Morning session

Contribution ID: 9

Type: **not specified**

Geant4 for EIC

Wednesday, 10 July 2019 13:30 (30 minutes)

Detector simulations in Geant4 with particular EIC near term interest in geometry exchange and modular digitization as a standalone code after Geant4. Also of interest are Geant4 plans for fast simulation and the potential use of G4's fast simulation infrastructure for EIC.

Presenter: ASAI, Makoto (SLAC)

Session Classification: Afternoon session

Contribution ID: **10**

Type: **not specified**

DD4HEP for EIC

Wednesday, 10 July 2019 13:00 (30 minutes)

The DD4HEP detector description package with particular EIC near term interest in geometry exchange and modular digitization

Presenter: FRANK, Markus (CERN)

Session Classification: Afternoon session

Contribution ID: 11

Type: **not specified**

Geant4 for EIC generic detector R&D

Wednesday, 10 July 2019 14:00 (15 minutes)

Presenter: FURLETOVA, Yulia (Jefferson Lab)

Session Classification: Afternoon session

Contribution ID: 12

Type: **not specified**

Discussion

Wednesday, 10 July 2019 14:15 (45 minutes)

See the live notes

Session Classification: Afternoon session

Contribution ID: 13

Type: **not specified**

Why we urgently need a common easy-to-use simulation software

Wednesday, 10 July 2019 09:00 (1 minute)

Thomas has provided these slides to motivate us! He will join us later in the day and we can discuss them then

Presenter: ULLRICH, Thomas (BNL)

Session Classification: Morning session