

# **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