FCC Software Hands-on Tutorial

Report of Contributions

https://indico.cern.ch/e/fcc-software-workshop-22

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

Overview of the FCC software

Wednesday 19 October 2022 14:10 (30 minutes)

Overview of the main components

Presenters: HELSENS, Clement (CERN); GANIS, Gerardo (CERN)

Session Classification: General introduction

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

Welcome and introduction

Wednesday 19 October 2022 14:00 (10 minutes)

Generic information about the hands on tutorial (scope, logistcs, ...)

Primary author: GANIS, Gerardo (CERN)

Presenters: HELSENS, Clement (CERN); GANIS, Gerardo (CERN)

Session Classification: General introduction

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

Overview of tutorial #1: Generating events

Wednesday 19 October 2022 14:40 (8 minutes)

Explain what it will be about, the underlying technology, what will be learned, the objectives, the expected results etc···a baseline for the real tutorial

Session Classification: General introduction

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

Overview of tutorial #2: Vertexing in FCC Analysis

Wednesday 19 October 2022 14:48 (8 minutes)

Explain what it will be about, the underlying technology, what will be learned, the objectives, the expected results etc···a baseline for the real tutorial

Session Classification: General introduction

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

Overview of tutorial #3: Visualisation

Wednesday 19 October 2022 14:56 (8 minutes)

Explain what it will be about, the underlying technology, what will be learned, the objectives, the expected results etc···a baseline for the real tutorial

Session Classification: General introduction

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

Overview of tutorial #4: Changing geometry in DD4hep

Wednesday 19 October 2022 15:04 (8 minutes)

Explain what it will be about, the underlying technology, what will be learned, the objectives, the expected results etc···a baseline for the real tutorial

Presenter: SAILER, Andre (CERN)

Session Classification: General introduction

Contribution ID: **7** Type: **not specified**

Overview of tutorial #5: Simulation of the LAr calorimeter

Wednesday 19 October 2022 15:12 (8 minutes)

Explain what it will be about, the underlying technology, what will be learned, the objectives, the expected results etc···a baseline for the real tutorial

Session Classification: General introduction

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

Overview of tutorial #6: run fccanalysis and weaver inference for gamma/pi0 separation

Wednesday 19 October 2022 15:20 (8 minutes)

Explain what it will be about, the underlying technology, what will be learned, the objectives, the expected results etc···a baseline for the real tutorial

Session Classification: General introduction

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

Reviewing the basics

Wednesday 19 October 2022 16:00 (2 hours)

Make sure everybody can connect to lxplus, setup the SW and run a test job (https://hep-fcc.github.io/fcc-tutorials/software-basics/exploring-fcc-files.html)
Start a simple tutorial all together

Presenter: ALL

Session Classification: Hands-on tutorial

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

Tutorial 1: Generation events - Introduction

Thursday 20 October 2022 09:00 (15 minutes)

Presenter: GANIS, Gerardo (CERN)

Session Classification: Hands-on tutorial

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

Tutorial 1: Generation events - Hands-on

Thursday 20 October 2022 09:15 (1h 15m)

Session Classification: Hands-on tutorial

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

Tutorial 2: Vertexing in FCCAnalysis - Introduction

Thursday 20 October 2022 11:00 (15 minutes)

Presenter: PEREZ, Emmanuel Francois (CERN)

Session Classification: Hands-on tutorial

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

Tutorial 2: Vertexing in FCCAnalysis - Hands-on

Thursday 20 October 2022 11:15 (1h 15m)

Session Classification: Hands-on tutorial

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

Tutorial 3: Visualisation - Introduction

Thursday 20 October 2022 14:00 (15 minutes)

Presenter: SMIESKO, Juraj (CERN)

Session Classification: Hands-on tutorial

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

Tutorial 3: Visualisation - Hands-on

Thursday 20 October 2022 14:15 (1h 15m)

Session Classification: Hands-on tutorial

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

Tutorial 4: Changing geometry in DD4hep - Introduction

Thursday 20 October 2022 16:00 (15 minutes)

Presenter: SAILER, Andre (CERN)

Session Classification: Hands-on tutorial

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

Tutorial 4: Changing geometry in DD4hep - Hands-on

Thursday 20 October 2022 16:15 (1h 15m)

Session Classification: Hands-on tutorial

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

Tutorial 5: Simulation of the LAr calorimeter - Introduction

Friday 21 October 2022 09:00 (15 minutes)

Presenter: FRANCOIS, Brieuc (CERN)

Session Classification: Hands-on tutorial

Contribution ID: **19** Type: **not specified**

Tutorial 5: Simulation of the LAr calorimeter - Hands-on

Friday 21 October 2022 09:15 (1h 15m)

Session Classification: Hands-on tutorial

Contribution ID: **20** Type: **not specified**

Tutorial 6: Weaver inference for gamma/pi0 separation - Introduction

Friday 21 October 2022 11:00 (15 minutes)

Presenters: FRANCOIS, Brieuc (CERN); HELSENS, Clement (CERN)

Session Classification: Hands-on tutorial

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

Tutorial 6: Weaver inference for gamma/pi0 separation - Hands-on

Friday 21 October 2022 11:15 (1h 15m)

Session Classification: Hands-on tutorial