

2nd Software Tutorial and ~~Office Hour~~ ePIC Software Cafe

Bill, for ePIC CompSW

Feb/10/2023

Tutorial #1 in Oct 2022

- **A great success**
 - well documented, recording and note were available
- **Very timely planned**
 - Correlated to the simulation campaign
- **Minor feedbacks from the community:**
 - 5 sessions over one month
 - Last training session (Physics Benchmarks) didn't happen

EPIC SOFTWARE TUTORIALS

09/01, 09/02	Collaborative Development Environment
09/08, 09/09	Geometry Development Using DD4hep
09/15, 09/16	Detector Simulation Using Geant4 and DD4hep
09/26, 09/27	Reconstruction Algorithms in JANA2
10/06, 10/07	Detector and Physics Benchmarks and Reproducibility

FOR DETAILS SEE:



Tutorial #2 Planning

- **Maintain the documentation standard**
 - Including recording and notes at the same high standard
- **Correlated with 2nd simulation campaign**
 - End of March
- **More targeted: address needs from community**
 - **Nonexpert level:** quick starting guide and analysis
 - **Expert level:** reconstruction, benchmarking, detector geometry

ePIC SOFTWARE TUTORIALS

03/07, 03/08

Analyzing Simulation Output

03/14, 03/15

Running Simulations

03/21, 03/22

Writing Benchmarks



FOR DETAILS SEE:



Tutorial #2 Format

- Three week training period
- More targeted: address needs from community
 - **Nonexpert level: quick starting guide and Analysis**
 - **Nonexpert and expert level:**
 - Running simulation on PC
 - Running simulation on Farm
 - **Expert level: reconstruction, benchmarking, detector geometry**
- **Other goals/objectives:**
 - EIC India training
 - Create a standard “How to start” material for future use.
- **Next step:**
 - Gather feedback
 - advertise
 - Look for volunteers



ePIC SOFTWARE TUTORIALS

For Nonexperts

03/07, 03/08	Analyzing Simulation Output
03/14, 03/15	Running Simulations
03/21, 03/22	Writing Benchmarks

For experts

ePIC

FOR DETAILS SEE: 

Rebrand **Office hours** to **ePIC Software Cafe**

Office hours

- **Two session per week**
 - Eastern time: OK attendance (5-6 people)
 - Night time: Mostly no attendance
- **Draw backs:**
 - Low attendance
 - **Experts are occupied to staff the office hour**
 - **People might feel pressured when they show up without any concrete question**

- **ePIC Software Cafe: (idea from Wouter):**
 - **A chat room for anyone to do work (for 1 hour/week)**
- **Benefit:**
 - **Doesn't require experts to staff the co-work hour.**
 - **You don't have to have any specific question to join**
 - **You could enter a break room to chat with anyone or experts**
 - **Aim to boost attendance**
- **Software: Gathertown?**
Proposed time: Thursday 1pm

Thank you

Feedbacks, suggestions and questions are welcome