

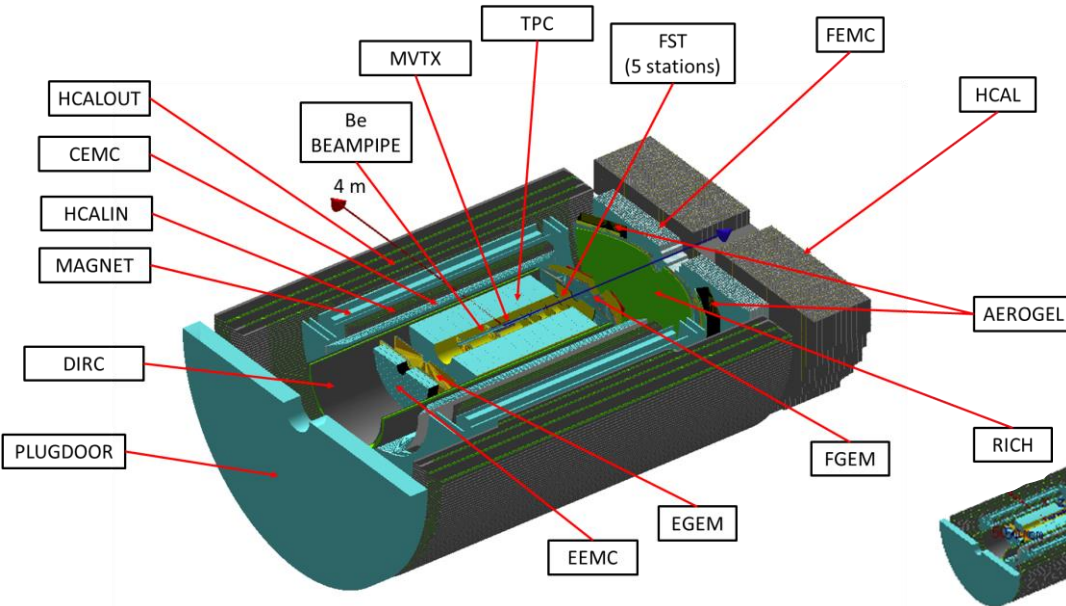
Simulation working group

- 1st test production completed !
- ✓ 3 sets of 1,000,000 events for testing purposes:

Details at:

https://wiki.bnl.gov/eicug/index.php/ECCE_Simulations_Working_Group#Production_Status

Sample	Generator	Beam Parameters	Path	Notes
"Min-Bias"	Pythia6	ep, 10 GeV x 250 GeV	/sphenix/user/cdean/ECCE/DST_files/general/pythia6_ep/	Run using internal Fun4All generator
SIDIS	Pythia6	ep, 18 GeV x 100 GeV	/sphenix/user/cdean/ECCE/DST_files/SIDIS/pythia6_ep_18x100/	EIC-smear tree input
HF & Jets	Pythia6	ep, 10 GeV x 100 GeV	/sphenix/user/cdean/ECCE/DST_files/HFandJets/pythia6_ep_10x100/	EIC-smear tree input



E = electron direction, F = forward/hadron direction, C = Central

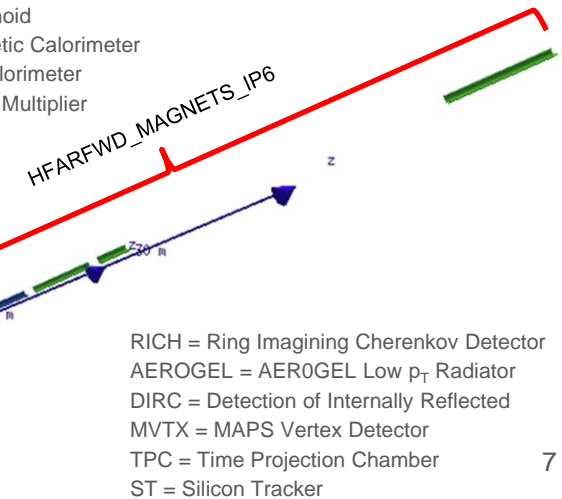
IN = Inside Solenoid

OUT = Outside Solenoid

EMC = Electromagnetic Calorimeter

HCAL = Hadronic Calorimeter

GEM = Gas Electron Multiplier



RICH = Ring Imaging Cherenkov Detector

AEROGEL = AEROGEL Low p_T Radiator

DIRC = Detection of Internally Reflected

MVTX = MAPS Vertex Detector

TPC = Time Projection Chamber

ST = Silicon Tracker

Simulation working group

➤ 1st Simulation Workshop: April 2

ECCE Simulation Workshop

📅 Friday 2 Apr 2021, 07:00 → 16:45 US/Eastern

Description This is the first ECCE simulations workshop. It is intended as a workshop for students and postdocs who will be actively engaged in ECCE simulations.



📄 Chat Archive 1.txt

📄 Chat Archive 2.txt

📄 Chat Archive 3.txt

📄 ECCEsimulations0...

📄 Recording Part1.mp4

📄 Recording Part2.mp4

📄 Recording Part3.mp4

➤ 2nd Simulation Workshop: May 21 (9AM – 12:30PM EDT)

- Overview of computing resources for ECCE
- Structure of DST simulation outputs
- Detector and event evaluators
- How to build an analysis module for your study
- Examples of physics analysis workflows

Event will be recorded
for future reference

➤ **Reminder:** weekly Office Hours & very active Mattermost channels