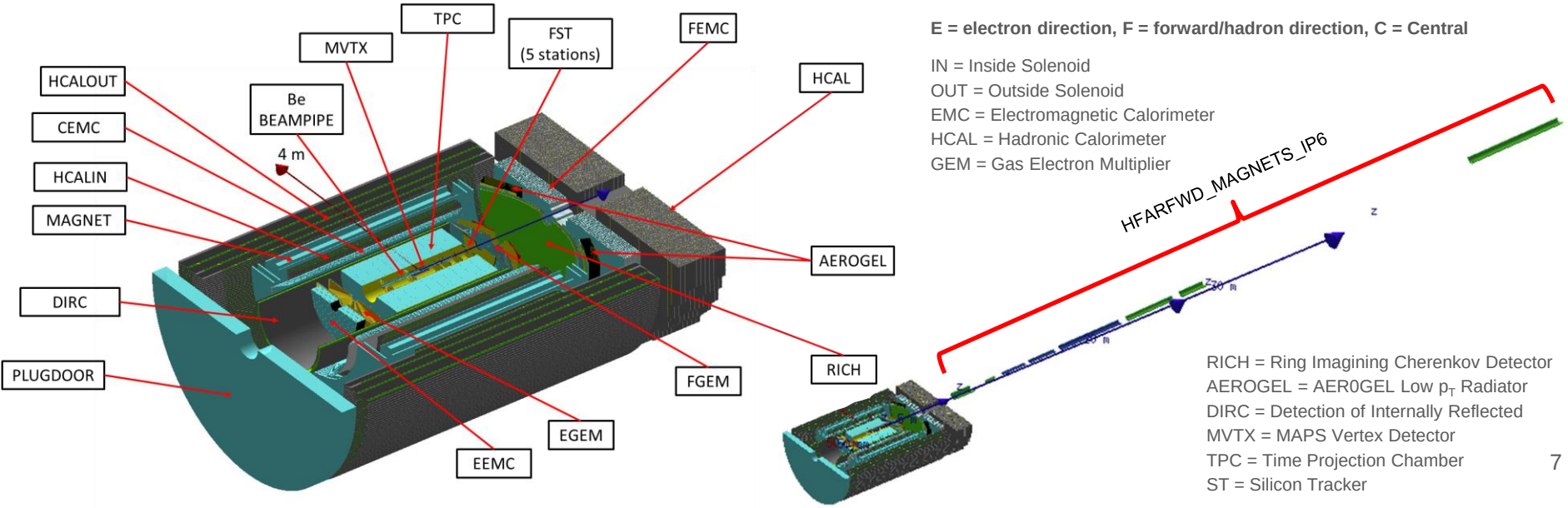
Simulation working group

- 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



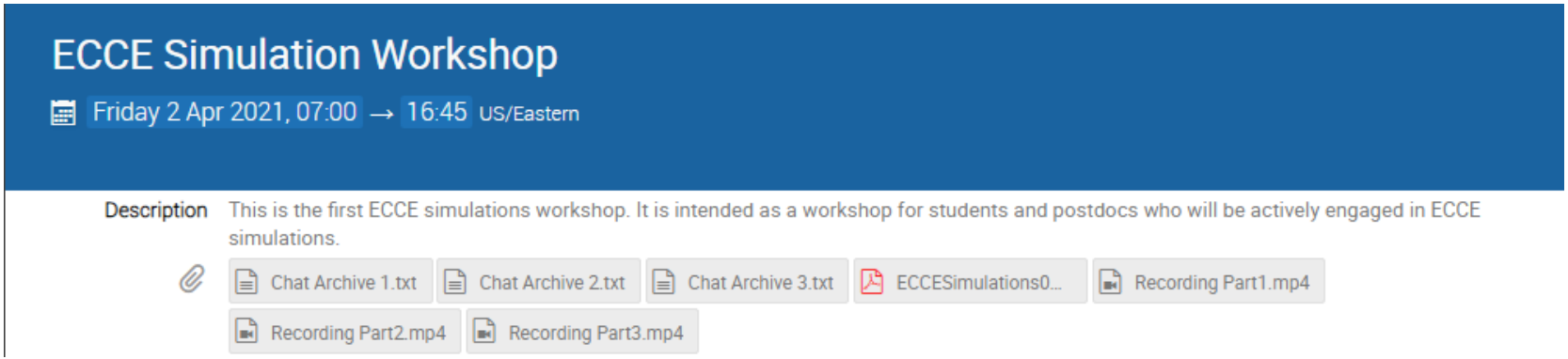
E = electron direction, F = forward/hadron direction, C = Central

IN = Inside Solenoid
OUT = Outside Solenoid
EMC = Electromagnetic Calorimeter
HCAL = Hadronic Calorimeter
GEM = Gas Electron Multiplier

RICH = Ring Imagining Cherenkov Detector
AEROGEL = AER0GEL 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



- 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