

ECCE Simulations

2nd Campaign Readiness

Cameron Dean and Jin Huang (plus countless others)

09/22/2021

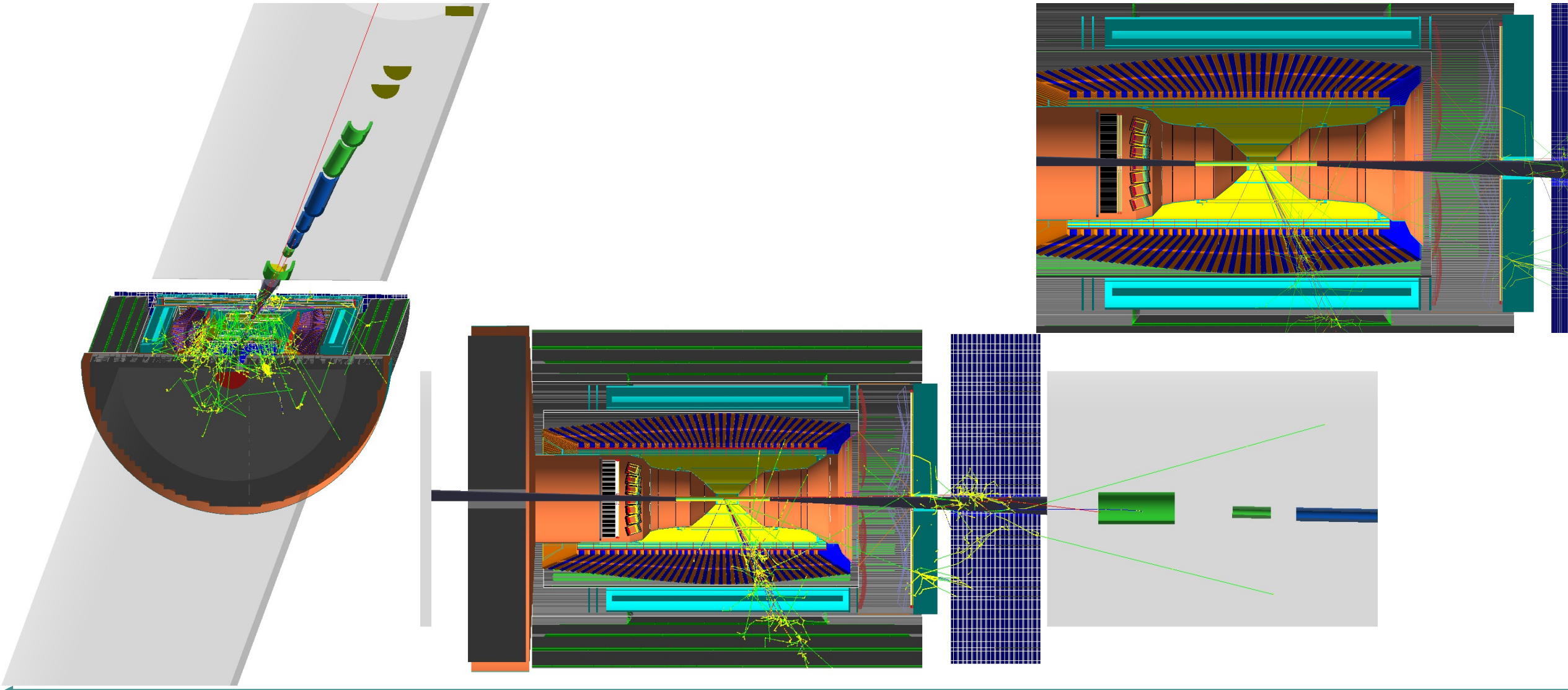
Computing Working Group Meeting

Outstanding Issues From Last Weeks



1. Overlaps in subdetectors (BECAL, LFHCAL, DIRC, mRICH, dRICH)
 - All fixed, we're overlap free
2. Large memory leaks appearing (8GB and up to 80GB)
 - Turns out there was no memory leak
 - We had large geometry exports
 - Some physics processes were too sensitive
3. Add new clusterizers and PID
 - All added to DST and interfacing with evaluators
 - May need a last tweak, doesn't impact production
4. Inner-most barrel service layer was in front of 3rd vertex layer
 - Has been moved behind

Current Detector





- Single particle production launched late last night
 - We said we wanted to distribute this to JLAB and BNL but the time would have not been friendly
- Software stack = new (Jin kicked off a build for testing purposes)
- Macros branch & tag = `production_singleElectron_0-20GeV & 485db0e`
`production_singlePion_0-20GeV & 7527712`
- S3 location =
`eicS3/eictest/ECCE/MC/prop.3/prop.3.3/General/particleGun`

Single Particle Production Plots

