

ECCE Simulations

Campaign 3
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Software and Computing Meeting

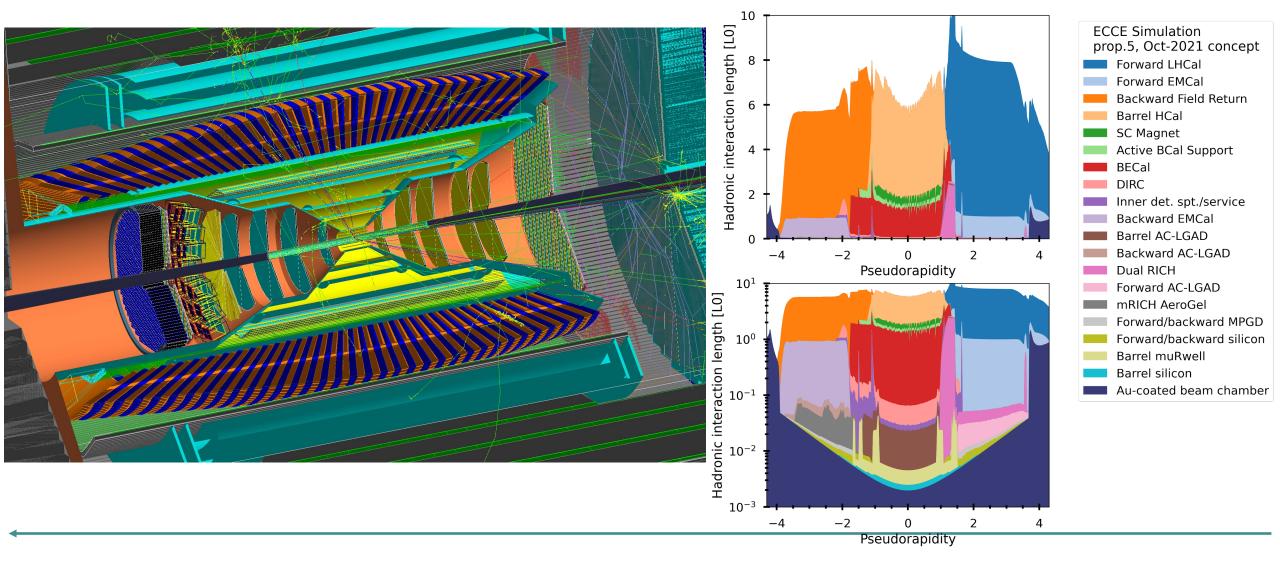
Campaign 3



- Third campaign setup is ready to go!
- We have tested single jobs of up to 1k events
 - No overlaps
 - No crashes
 - Reasonable memory usage (~2.3GB)
- Changes wrt prop.4.3
 - Magnetic field scaled back to nominal value
 - Better scintillation production for EEMCH
 - Rearranged barrel AC-LGAD, outer muRwell, DIRC and BECAI according to design mockup
 - Additional detectors such as mRPCs, hadron-going TRD, full sim B0 and B0 ECal
 - Rearranged inner tracking detectors according to costing review
 - Projective tracking support to reduce dead area

Campaign 3





Production



- New software stack, prop.5
 - /cvmfs/eic.opensciencegrid.org/ecce/gcc-8.3/release/prop.5/
- Macros hashes:
 - Production = d833d31
 - Single Electron = b4cfbdc
 - Single Pion = ef2da02
 - Pythia8 = ba98f0d
- Production scripts have been updated to pick all this up

PWG +	Process +	Generator +	Beam Parameters +	No. Events Requested +	No. Events In Storage +	Notes +	Assigned To \$
General	Single Pions	Particle Gun	N/A	5M	0		
General	Single Electrons	Particle Gun	N/A	5M	0		
SIDIS	(SI)DIS	Pythia6	18x275 ep	20M	0	1 < Q2 < 100	
SIDIS	(SI)DIS	Pythia6	18x275 ep	4M	0	100 < Q2	