

# New Detector Working Group Co-Conveners



- See presentations at last two IB meetings for introduction of Detector Working Group co-conveners listed here: <https://www.ecce-eic.org/members>
- Co-convener Xiaochun He (GSU) for PID
  - Coordinator of eRD14/mRHIC Group
  - Working with co-convener Greg Kalicy (CUA)
  - Both long-standing members of EIC PID Consortium
- Co-convener Martin Purshke (BNL) for DAQ/ Electronics/ Readout
  - Extensive experience on PHENIX, sPHENIX, ...
  - Working with co-convener Chris Cuevas (JLAB)



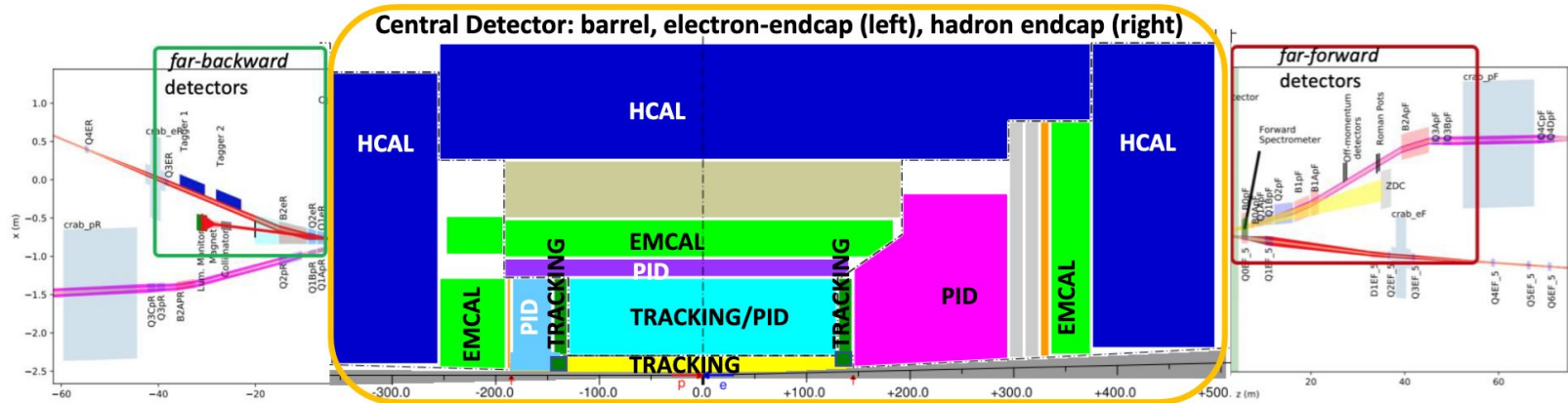
# Near Term Goal



- Refining the ECCE sub-detectors:
  - See T. Horn's talk for initial ECCE detector concepts:  
<https://indico.bnl.gov/event/11120/contributions/47038/attachments/33598/54062/EIC-ECCE-IB-meeting-04122021-v2.pdf>
  - Starting point lists a finite number of options, but need to review and quickly decide on best options.
- Detector working groups asked to review/select technologies and present by June 14:
  - Baseline design
  - In some cases, one or two alternative configurations
- Step needed so Benchmarks teams have time to update their models and simulations to match the refined ECCE design.

# Tracking Group Update

- Tracking working group now meeting regularly
- Two kick-off meetings held last week.
- <https://indico.bnl.gov/category/345/>
- Tracking DWG looking for input about:
  - Tracking detector technologies.
  - Identifying who will work on the corresponding simulation configuration and evaluation.
  - Also discussed thoughts on detector integration.



# Tracking Group Update Cont.

- Gather tracking detector matrix inputs **by May 21, 2021.**
- **Meeting organization:** Meeting weekly but switching the meeting day and time to allow colleagues from different time zones to dial in:
  - 3PM US eastern time, May 11.
  - 10AM US eastern time, May 21
  - 3PM US eastern time, May 25, and so on.
- Schedule dedicated discussions at upcoming meetings based on inputs provided about detector technology, simulation studies, and integration with the other detector subsystems.
- Plan to schedule joint meetings with the other detector/physics working groups.

# Other DWG Updates



- **Particle ID Working Group** expects to meet later this week.
- **Magnet Team** gave featured presentation at last IB meeting.
  - Details of recommended magnet refreshments available
  - Work on field shaping on-going
- **Calorimetry DWG** will give a short presentation today (next).
- **Far Forward / Back DWG** getting their team together to do simulations of IR6 and IR8 (when ready)
- **DAQ & Electronics DWG** has common aspects to develop now (noting present tentative ECCE concept) with front end topologies and channel counts estimated based on June 14 baseline.
- Input from **Re-use DWG** envisioned across multiple groups.

# Detector Working Groups Update



- [ecce-eic-det-l@lists.bnl.gov](mailto:ecce-eic-det-l@lists.bnl.gov) used increasingly. Please, be sure to **subscribe!**
- All DWG meetings listed here:
  - <https://indico.bnl.gov/category/339/calendar>
  - <https://indico.bnl.gov/category/345/>
- Detector Wiki pages:  
[https://wiki.bnl.gov/eicug/index.php/ECCE\\_Detector](https://wiki.bnl.gov/eicug/index.php/ECCE_Detector)
- **Join us** on BNL Mattermost Fun4All-<subsystem> and Discourse ECCE channels.