

Overall Summary

➤ Four talks (3 in-person)

- Two on the B0 one on EMCAL details, and one on ACTS tracking (still not ready).
- One on ZDC shower reconstruction with ML (highly preliminary not ready for real usage yet).
- One on overall group progress.

➤ Some major takeaways

- Still starved for substantial people-power, but this is slowly getting better. Israeli
 "consortium" wants to work on the full B0 system and is in-process of getting
 money.
- ZDC is in real need of design optimization. We have called two meetings focused on this topic with the parties claiming responsibility for construction of the ZDC. There are many unanswered questions, but they clearly need design support.
- Reconstruction software is needed for all subsystems.

Action Items

> Reconstruction software.

- R&D money acquired to develop Roman Pots reconstruction software with modern tools.
 - Postdoc found, contracts in-process.
 - < 1 year timeline total.
- ACTS is still dragging the B0 development and testing.
- ZDC has no reconstruction software at all, and it seems unlikely the ZDC parties will develop anything on a reasonable timescale. This is pretty imperative, so I think I might take a more active role in getting things started, and then hand things off to the new collaborator from Taiwan.

≻Engineering

- Spatial constraints causing issues for placement of both ZDC and B0 EMCAL. Work
 ongoing with scientists and engineers to assess impact of making changes, and determine
 red lines.
- Lots of work needed on shielding for Roman Pots/OMD to help deal with impedance issues

 will affect detector performance, studies underway.

≻Backgrounds

 Important for every subsystem and physics channel in ePIC – should be a prime priority going-forward.

Some larger takeaways from the meeting

- ➤ Groups overall still suffering lack of person-power.
 - Some meetings have large attendance, but low participation.
- ➤ People are very hesitant to provide details on their subsystem.
 - Fear of being "wrong", but makes it impossible to iterate and optimize to find solutions to problem we all know are going to be there.
- ➤ Detector backgrounds will likely be the biggest experimental bottleneck not yet appreciated by the physics working groups.
 - Almost no simulation studies presented by physics groups they are very far behind.
 - Yes, reconstruction is not working well across all detectors, but they should be able to show *something* at this point.
- ➤ Election process for spokesperson *seemed* (my opinion) a little lop-sided.
 - We know at least one pair that was going to run for several months now, it almost seemed like the election committee thought the same thing and did not try and push for other candidates.
 - No women represented in the Council Chair election (one in the vice chair). Election committee claims they asked many women, and all declined. Is this something we need to address? Why did all of them decline to run?