

# Report from the Technical Board Working Groups

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Single Phase TPC Cold Electronics Consortium Meeting

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# Technical Board Report (i)

- First meeting with new technical leads ([Agenda](#))
- Marching orders from Eric James
- Initial draft of WBS structure for each consortium
  - Prepare global WBS covering all detector systems
  - Understand overlaps / points of contact / missing scope
  - Complete by 9/28 (seems unrealistic now)
- Then start matching WBS items to institutions
  - Complete first pass by 10/12, finalize by 10/26, present to RRB
  - Less pressure in our case (single funding agency) ?
  - We clearly not going to be done with talking to all institutions by 10/12, expect that it will take longer to gather all information

# Technical Board Report (ii)

- Special technical board meeting on 9/29
  - Understand potential request for changes to current layout of cryostat penetrations for the single phase far detector
  - Cryostat / detector integration meeting at BNL following week
  - Manhong will present cabling interface (part of our scope)
- Next: review schedule of activities for 2018/2019 up to development of Technical Design Report

# Consortium Working Groups

- Proposed structure of WG (WBS) described in [DocDB 5423](#)
- Five working groups
  - Detector elements inside the cryostat
  - Detector elements outside the cryostat
  - Development of test facilities
  - Integrated tests
  - Software
- Plan to have 2 conveners per working group + L3 manager for DOE project (one of conveners) to deal with EVMS
- Additional representatives in other consortia (APA, DAQ) and working groups (physics, software)
- Technical board for consortium includes all the conveners and representatives

# Consortium Working Groups

- No feedback yet from Eric James, Steve Kettel, spokespeople
- Some items may disappear / be reduced in scope
  - 5.4 “Detector integration test facility”
  - 6.2 “Integrated detector tests”
- There will be a 10<sup>th</sup> consortium “Detector integration” and the overlap between our activities & deliverables and those of this consortium is not clear
  - Also impact on other plans (do we ship the electronics to the APA assembly sites or to an integration facility in South Dakota)

# Meetings with institutions

- Get to know each other, understand interests, capabilities, other commitments
- 19 (or 20) institutions in the consortium
- We have already talked to 3 institutions, scheduled meetings with 3 more (replies also from 2 more, but haven't scheduled meetings yet)
- Please fill in the [doodle poll](#) (one entry per institution, please consult your colleagues and choose a time that works for everybody, if you choose a slot where there is already an entry from another institution, there may be a conflict)
- Will extend the doodle poll for at least one more week

# Consortium Working Groups

- We want to have the chance to talk to all institutions before appointing conveners
- Will not appoint L3 managers immediately (not needed for another few months, until we start developing full P6 schedule and doing EVMS reporting for real), training required
- Will take suggestions / nominations
- Expect that we will propose appointments in the next 2 meetings
- It would be good to have some sort of agreement on how to do this
  - Possible difference between WG conveners (approval of institutional representatives ?) and DOE project L3 managers (need approval of E. James and M. Verzocchi)
  - For WG conveners need to strike balance between expertise, role in protoDUNE, institutions, promote younger scientists

# Consortium Working Groups

The work on protoDUNE is extremely important and is the highest priority for some of the people who are interested in working in this consortium

We do not want to divert the attention of people heavily involved in protoDUNE by asking them to work now on activities that have a longer time scale

This does not mean that people heavily involved in protoDUNE will not be considered for appointments in the consortium

- As mentioned above there is no plan to appoint L3 managers for the DOE project on a short timescale
- We may not fill all the positions now, and reserve some positions for people heavily involved in protoDUNE on the timescale of next Spring/Summer



# Plan of work for next few weeks

- Understand boundary between DAQ and cold electronic
- Review plan for ASIC development and tests for next 12-18 months
- Funding for 2018/2019