

Report from the Technical Board Working Groups

Marco Verzocchi

Single Phase TPC Cold Electronics Consortium Meeting

18 September 2017

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
- 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) ?

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

- 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
- Would prefer to have opportunity to talk to all university and laboratory groups to check interests / expertise and match to working group structure, 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

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