PD CONSORTIUM MEETING

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INTRODUCTION

- We have two mailing lists:

1. DUNE-FD-PHOTON-SP-CNSRT@listserv.fnal.gov
Open to all the members of the SP PD Consortium.
Send an email to me to add email addresses to the list
2. DUNE-FD-PHOTON-SP-CNSRT-REP@listserv.fnal.gov
For Consortium Board representatives.

- We have a wiki page:

   Inside https://wiki.dunescience.org/
   It would be very interesting using it.
   Someone willing to manage and organizing it ?

TECHNICAL LEADERSHIP

- In agreement with Eric, Mark and Ed the position was offered to David Warner. Great experience in a wide range of detectors and huge contribution in protoDUNE. Dave has accepted and is our TL!

- We will have a Deputy Tech Leader which will support us Leon Mualem. Great work for protoDUNE. We will profit of all his experience.

CONSORTIUM MEETINGS

- The result of the Doodle poll favored Monday at 11:00 CDT, which conflicts with the protoDUNE meeting.

- Second option is Tuesday 11:00 CDT

- Frequency of the meeting: weekly or be-weekly?

- Would start with weekly meeting and then eventually switch to be-weekly in anti-coincidence with Technical Board meetings.

- COMMENTS?

FALL SCHEDULE

- 14 September: we need to produce a first draft of the WBS structure => Ongoing (see D. Warner talk)

- 28 September: refine the WBS and discussion on missing and overlapping scope in WBS. First draft of activities for 2018/2019 beyond protoDUNE => WG should have a major role in this

- 12 October: First draft of Institutional responsibilities for each WBS element

- 26 October: Finalize WBS and Institutional mapping to be presented at the RRB meeting of November 2nd

BEYOND FALL

- Technical proposal due summer 2018

  ✓ Preliminary cost estimates
  ✓ Updated matrices of institutional responsibilities
  ✓ Draft schedule of activities for 2020 and beyond
  ✓ Description of proposed system (can include some alternatives) => Can be our case with the the light collector system

- Technical Design Report

TIMELINE FOR DEVELOPING DUNE SCHEDULE (FROM DUNE PROJECT OFFICE)

Tasks	Oct 17	Jan 18	Apr 18	Jul 18	Sep 18
Develop WBS	✅				
First draft of the consortia schedules		✅			
Identify interface milestones		✅			
All consortia schedules linked together			✅		
Second version of the consortia schedules				✅	
Revisions/adjustments				→	
Schedule Review					✅

FEW CONSIDERATIONS

- **Schedule is very tight**, while the things to be defined in the PD Consortium are many – at several levels

  - ✓ Light collector technology -> three options
  - ✓ Electronics -> probably find a cheaper option

- **We have about 1 year of R&D to define all this before the TDR !!!!!**

  - ✓ Need to use what we have learned up to now as much as possible – not restart from scratch (photon detector WG, task force, …)
  - ✓ **Need to work hard** in this period and all in the same direction

FEW CONSIDERATIONS

- Funding situation not good for the US groups, which are those with more experience in developing PD System and most of the facilities are in the US => find other options to keep the involvement at a reasonable level and not lose the expertise (LDRD, K25 @ FNAL, are there other options?)

  ✓ Increasing the participation of **Latin American** and **European** Institution for the near future

PRACTICE TALKS

- The idea is that the practice talks for Workshops and Conferences related to DUNE SP Photon detection will be handled by the Consortium

- The first one will be Bruce Howard – LIDINE 2017 - *A Novel Use of Light Guides and Wavelength Shifting Plates for the Detection of Scintillation Photons in Large Liquid Argon Detectors.* Proposed date is next ***Friday, 15th September at 11:00 CDT***

NEXT STEPS

- Working Group formation →
            appointment of conveners (next presentation)

- WBS first draft – due by next Thursday – Dave will show the 0.1 version
    - ✓ Largely based on the list circulated by *Eric (DocDB #4466)*. Please comment on it as soon as possible.

- **Refine the list of deliverables** and draft schedule of activities for 2018/2019 → Done largely inside each WG

- Start **mapping institutional** responsibilities with WBS elements.