

Consortium News

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Cryogenic Inst. & Slow Controls Consortium meeting
Sep. 15, 2017

News

- A refined list of deliverables and first pass at WBS was requested at the Technical Board meeting yesterday
 - Couldn't meet the deadline due to base grant proposal
 - Will have to pull that together as soon as we can
 - TB would like to then take it and turn it into a global WBS and will be discussed at the Sep. 29th TB meeting to understand any holes in the scope and coverage
- A big agenda item for the TB meeting on the 29th is Cryostat Penetrations and input is expected from us
 - Goal is to assess any potential FT requests before the Oct. 3rd meeting with Marzio
 - I will be presenting both from instrumentation and calibration side

Cryostat Feedthroughs

- Baseline design has recently been updated, but this does not include instrumentation
 - Exploring feasibility of 300mm port size for some ports
 - Additional small penetrations near wall (for field response?) and at ends (spares)
 - Leadership is aware we will make a request for additional or modified feedthroughs
- On our plate, come up with FT requirements (number, width, locations) for
 - Thermometry (Next week: Jelena/Anselmo)
 - Purity Monitors (Today: Andrew/Jianming – Thanks!)
 - Cameras (Next week?)
- The radioactive source FT requirement is coming along (discussed at the Calibration TF meetings)

LBNF thoughts

- Had a very productive meeting yesterday with Dave Montanari on interfacing with LBNF
 - A lot of protoDUNE experience is discussed.
 - All relevant items discussed especially Cryostat internal piping, liquid level monitoring (DUNE vs LBNF needs), compliance with grounding/shielding, scope and boundaries, information sharing and collaboration for needs from both sides
 - There is also the DUNE vs LBNF vs Cryostat (CERN) scope
- In the process of producing a “Scope” document based on this conversation with David
 - Will put this up for discussion at an upcoming consortium meeting
- David is subscribed to the list and we agreed that he (or a selected liaison) will attend our meetings. And we will be notified of important LBNF meetings from their side.

Backup

Instrumentation Feedthroughs

