WA104 Meeting minutes, August 21

Remote: A. Fava, A. Scaramelli, B. Wilson, G.L. Raselli, M. Rossella, S. Centro, C. Farnese and possibly others

Local (at FNAL): M. Betancourt, H. Budd, D. Gibin, G. Savage, A. Soha, D.Torretta, Z. Williams, P.Wilson

Angela hosted the meeting (Caudio is traveling and will be back at FNAL on/after Sept 2).

News updates:

Electrical work is proceeding; the Cryostat Cryo controls are completed.

On top of detector: wires are being pulled to the boxes; next is installation of outlets and closure of boxes.

Unfortunately this week we had only one electrician (from 3 of last week). Peter is investigating.

When the electrical work on the top plate is done, the electrician(s) will move to West mezzanine (which is now higher priority as we are going to get some compurets here in two weeks) then to the East mezzanine.

An agreement was reached to assembly the TTLink and WIreBias cables on site. Curtis Denner is supervising the efforts.

A High Voltage test for the WireBias cables is planned and Howard Budd is taking care of preparing the setup and material: test location will be at HIL (High Intensity Lab) building.

Help from collaborators is desirable. Email will be sent out when ready to do the test.

Niccolo Moggi from Bologna is here and working on the SlowControls setup for the PMT GV and Digitizers. Donatella Torretta is working in parallel to get the pORC for the racks and the review to the test setup.

Geoff Savage is in contact with the Network Group in order to pull a fiber to the east  mezzanine racks so that we can get the data from the racks therein.

He’s also working in order to install the overall network system. All material is here now

All fibers are in production. Jumpers and adaptors procurement is in progress.

A ground short was solved last week. Unfortunately a new one manifested on Tuesday morning. Donatella and Peter Wilson are investigating and looking for the source.

All efforts are documented in the ELog. The situation changes minute by minute.

Gian Luca Raselli and Massimo Rossella will be here from September 3rd to Sep 14 to install PMT HV and signal cables: 1/4 PMT signals and cables from CERN will be here (?)

Cat suggesst a team of 4 people will be needed to pull the cables in the cable trays ( about 100 feet long path)

Gian Luca should write a work plan for this installation to be presented at the next WA104 meeting.

Sandro Centro asked about the status of the WireBias distribution box review/tests : the fanout box passed the SEDR review and was approved for usage: the power supply itself has an issue. It may be necessary to open up all power supplies so they can tbe inspected and possibly replace the MHV connector with an SHV.

The procedure for performing the test for the HV splitting at the WireBias fanout level or at the flange SMA level had been written and submitted this Monday and we expect to be able to do the test this week after approval is granted.

The goal of the test is to decide which configuration to use: SEDR document is here https://sbn-docdb.fnal.gov/cgi-bin/sso/ShowDocument?docid=2376

Donatella will send this information to Sandro et al. so they can check it.

Then we moved to Christian Farnese talk on noise tests performed in July.

Slides are NOT available (yet)

Deep discussion about noise levels for standard and corner chimneys. Some measurements are not understood yet and need further discussion and data collection.

Next was, Zach Williams talk on the  status and plans for the HV drift system (see DocDB 2249)

Brief contributions:

Minerba B. gave a brief CRT  updates : all equipment on hand for utility racks. Updating  racks layouts. She’s requesting DAQ people to run a test with the WideBand modules setup.

Bob Wilson: please register to the collaboration meeting !!

Aria Soha: people working in the building please keep the doors closed and locked!!

Some roads closing to look for  a water leak : Carrie McGivern (ELO) will keep us posted on this.

Peter Wilson is in contact with FESS and will possibly requesting that road work will be done over weekend . We'll know more soon.