

Hi all,

One more update.

- Wei-Che volunteered to develop bias voltage control.

Best regards,

-itaru

On 2022/11/04 0:05, Itaru Nakagawa wrote:

Dear all,

Here is the meeting minutes from today's meeting.

o pSQL database <Cheng-Wei>

- **Cheng-Wei** will implement a new script to save calibration information into the database and let people know.
- **Cheng-Wei** and **Hikaru** talk to each other to design the online parameter database.
- **Itaru** discuss with Martin and Raul how to design the online parameter downloading process in the initial start process.

o Noise rate analysis of the beam test <Cheng-Wei>

- **Cheng-Wei** runs GEANT4 simulation for vertical rotation to see if it reproduce data cluster size distribution.
- The origin of the multiple tracks in MC is not understood.
- **Cheng-Wei** takes a look cosmic ray data. Make sure trigger scintillators are in coincidence between top and bottom counters. Schematics is to be completed.

o LV filter controller board operation update <Wei-Che>

- **Wei-Che** will document manual in wiki.
- **Wei-Che** continues to investigate the function of filtering boards.

o Efficiency measurement using cosmic ray data <Yumika>

- Efficiency of the middle ladder is evaluated to be >99% out of cosmic ray measurement. Now various cut effects are under study. Yumika will come back for the rehearsal for the Asia meeting in the next intt meeting.
- The efficiency at 50V operation with cosmic is one interesting program to do, but the first priority is the measurement at 100V. 50V operation is planned as a part of bias voltage scan program which is getting ready in NWU.

o LV Status <Itaru>

- The old FVTX LV control systems are more or less working by now for bias, LV distributor, and FPHX powers based on linux inttpower machine.
- The new INTT LV control system follows standard sPHENIX system which replaces the linux inttpower by the KepServer.
- The communication between KepServer and LV distribution board has been already established and GUI is under development by Mai.
- The communication between MPod and FPHX power controller board is not ready. Waiting for Steve's work.
- While we wait for Steve, **Wei-Che** will continue testing FPHX power controller using the NetBurner.
- **Taiwan group** is developing the voltage output remote monitoring system and will be ready for shipping to BNL next week.

On 2022/11/02 14:28, Itaru Nakagawa wrote:

Dear all,

We'll have the weekly meeting in following time. The talks didn't fit in the last meeting are to be discussed first in this meeting.

Nov. 3rd Thursday 9PM in BNL = Nov. 4th Friday 10AM in Japan = Friday 9AM in Taiwan

*indico

<https://indico.bnl.gov/event/17653/>

*Zoom

<https://zoom.us/j/92149923535>

Best regards,

-itaru

[Redacted signature line]

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