

Dear all,

Here is the minutes from today's meeting.

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o <Wei-Che>

- LV GUI for FHPX power is under development. **Wei-Che** should implment the control pannel based on the half ladder-ID as well. The channel map part can be remain open, but the coding should be developed to import the channel map eesily. Wei-Che's estimate before the first release of the practial use is two weeks. **Wei-Che** will come back to report the progress next meeting.

o MC tuning of 2021 Beam test <Cheng-Wei>

- Set up simple GEANT to confirm the purely observe the effect of different model choise. **Cheng-Wei** will present scattering angular distributions of the simple setup MC next week.

- **Cheng-Wei** study if there is different sensitivity in Z between Coulomb and mulitple scattering effects. If there is, then replace 320um silicon with a thinner very high Z material with keeping the radiation length the same. This way, we can directly observe the Coulomb scattering effect.

- **Cheng-Wei** consult with tracking group how to implment charge sharing option into the INTT GEANT model.

o HV GUI development <Genki>

- **Genki** needs to implement options to customise every single HV channel. It is likely to operate HVs with compromised setting channel-by-channel to save some trippy channels during the run.

- **Genki** learns from FVTX wiki page:

[https://phenix-intra.sdcc.bnl.gov/phenix/WWW/offline/wikioff/index.php/Bringing\\_up\\_the\\_FVTX\\_from\\_Scratch](https://phenix-intra.sdcc.bnl.gov/phenix/WWW/offline/wikioff/index.php/Bringing_up_the_FVTX_from_Scratch)

- **Genki** should use PyROOT instead of ROOT.

o Gaini parameters of FPHX <Itaru>

- The gain parameter <GWSel> of FPHX might have been different between 2019 and 2021 beam test. Based on a couple of assumptions, the effect is estimate to 20% level of the gain value.

- **Rikkyo** and **NWU crews** should evaluate the impact of GWSel parameters in their test benches.

Regards,  
-itaru

----- Forwarded Message -----

**Subject:** Weekly INTT Meeting

**Date:** Wed, 15 Feb 2023 16:09:43 +0900

**From:** Itaru Nakagawa <itaru@riken.jp>

**To:** sphenix-intt-l@lists.bnl.gov <sphenix-intt-l@lists.bnl.gov>

Dear all,

We'll have the weekly meeting in following time.

Feb. 16th Thursday 8PM in BNL = Feb. 17th Friday 10AM in Japan = Friday 9AM in Taiwan

There are increasingly urgent topics to be discussed. Please call in on time. We'll start with Wei-Che's and Cheng-Wei's presentations this week, because we ran out of time to go through (partially) their talks in the last meeting.

\*indico

<https://indico.bnl.gov/event/18390/>

\*Zoom

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

Best regards,

-itaru