

Hi,

I forgot one more item about the transportation box. Here is the updated minutes (homeworks).

- Silicon QA <Kai-Yu>

- o Do consistency check between sum of the current of each channel and total current of entire silicon. (**Kai-Yu**)

- o **Itaru** will check with Hamamatsu how they measured the leakage current, Their typical leakage current ~60nA per silicon sensor at 100V is much smaller than what we typically observe after the assembly on to HDI. Also much smaller than the sum of Kai-Yu's measurement which is typically around 0.2nA per channel.

- o To be discussed in offline using layout of silicons how to take ground from the guard ring without affected by the moving probe card (**Kai-Yu, Rachid and Itaru**).

- Online monitor <Milan>

- o **Itaru** will ask the basic concept of the online monitor for sPHENIX to Chris so that we can start designing the online monitor for INTT following the concept.

- o **Milan** will check out the online monitor developed for the FVTX and come up with draft INTT online monitor idea. **Itaru** will help Milan how to access FVTX online monitor.

- Production Status <Itaru>

- o **Itaru** should summarize what we can and what we cannot do if we execute a beam test in Japan. Very likely we are not gonna have a support from BNL-DAQ group to setup 1008 DAQ system and thus we may need to consider data taking with the standalone. Itaru will summarize and to be discussed in near future meeting.

- o **Itaru** find out if the "out-side acceptance study" using GEANT simulation is the order from sPHENIX management group or not. Depends on the priority of this study in sPHENIX collaboration, we judge whether if we let Genki to work on it or we just provide the material information (bus extender only at this moment. We shouldn't bother Dan because he is busy now) to the simulation group and let them work on the implementation.

- o **Cheng-Wei** send out the design of the transportation box for engineering check by Rachid or BNL crews. Once the box is approved, **NCU** produce one additional transportation box for BNL to be used to transport their one of the first ladders to NWU. One of the first ladder will be available for shipping by the end of August or so, the **time scale is a month or so**. We'll proceed via e-mail exchange without waiting for the weekly meeting.

Regards,

-itaru

On 2020/07/29 20:39, Itaru Nakagawa wrote:

Dear all,

Here are minutes from today's meeting. Only *to do* are listed as usual.

Minutes

- Silicon QA <Kai-Yu>

o Do consistency check between sum of the current of each channel and total current of entire silicon. (**Kai-Yu**)

o **Itaru** will check with Hamamatsu how they measured the leakage current, Their typical leakage current ~60nA per silicon sensor at 100V is much smaller than what we typically observe after the assembly on to HDI. Also much smaller than the sum of Kai-Yu's measurement which is typically around 0.2nA per channel.

o To be discussed in offline using layout of silicons how to take ground from the guard ring without affected by the moving probe card (**Kai-Yu, Rachid and Itaru**).

- Online monitor <Milan>

o **Itaru** will ask the basic concept of the online monitor for sPHENIX to Chris so that we can start designing the online monitor for INTT following the concept.

o **Milan** will check out the online monitor developed for the FVTX and come up with draft INTT online monitor idea. **Itaru** will help Milan how to access FVTX online monitor.

- Production Status <Itaru>

o **Itaru** should summarize what we can and what we cannot do if we execute a beam test in Japan. Very likely we are not gonna have a support from BNL-DAQ group to setup 1008 DAQ system and thus we may need to consider data taking with the standalone. Itaru will summarize and to be discussed in near future meeting.

o **Itaru** find out if the "out-side acceptance study" using GEANT simulation is the order from sPHENIX management group or not. Depends on the priority of this study in sPHENIX collaboration, we judge whether if we let Genki to work on it or we just provide the material information (bus extender only at this moment. We shouldn't bother Dan because he is busy now) to the simulation group and let them work on the implementation.

Let me know if there is any missing item I might have overlooked.

Regards,

-itaru

On 2020/07/27 20:47, Itaru Nakagawa wrote:

Dear all,

We have INTT group meeting next week. Please make an entry of your topic to be reported in the indico page below (login to BNL indico required).

July (Tue) 28 9PM in EST@BNL = July 29 (Wed) 10AM in JST = Wed 9AM in Taiwan

<https://indico.bnl.gov/event/8978/>

Meeting URL:

<https://bluejeans.com/711990613>

Best regards,

-itaru

[REDACTED]

Sphenix-intt-l mailing list

Sphenix-intt-l@lists.bnl.gov

<https://lists.bnl.gov/mailman/listinfo/sphenix-intt-l>

Sphenix-intt-l mailing list

Sphenix-intt-l@lists.bnl.gov

<https://lists.bnl.gov/mailman/listinfo/sphenix-intt-l>