

Dear all,

Here is the minutes from today's meeting.

-itaru

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o Thermistat readout development and INTT construction at BNL <Rachid>

- **Rachid/Steve** will test if the relay system does isolate the HDI from the ADC unit for the thermistat readout as we intend not to induce any noise from the unit to the HDI.

- The INTT barrel construction will start in Spring at BNL. Any items go into the construction have the first priority now. From RIKEN, getting ready of ROCs is the 1st and the BCLK board is the 2nd priority. **Itaru** will rush to resume the ROC testing in RIKEN soon and try to send 4 ~ 8 ROCs to BNL first without waiting for the all ROCs testing.

- We confirmed the agreement not to paste any heat sinkers to FPGA, but we do put heat sinkers to all regulators on topside of ROCs. **Itaru** resume the plan (2021/10/28) of heat sinks mount on all regulators on the topside of ROC before the ROC testing.

[https://indico.bnl.gov/event/13691/contributions/56567/attachments/37969/62575/2021October28\\_Group\\_Meeting\\_ROCcoolingPlate.pdf](https://indico.bnl.gov/event/13691/contributions/56567/attachments/37969/62575/2021October28_Group_Meeting_ROCcoolingPlate.pdf)

- **Genki** places an order of heat sinkers for 250 pieces (50 to be delivered to BNL).

o Taiwan Ladder Assembly <Cheng-Wei>

- There are 23 more ladders to be assembled in Taiwan.

- Try to finish assembly by the end of March.

- All ladder tests are to be handled in Taiwan.

o Source test procedure <Genki>

- We agreed that NWU continues to use the dark box built for the beam test in their cosmic ray data taking. Once the measurement is completed, the dark box is to be returned to BNL.

- **Itaru** will send one of the 111 cm bus extenders from the 1st production (pre-production) to Taiwan as well to be used for the ladder tests.

- Genki will perform noise measurement by setting lowered DAC0 threshold ~ 8.

o Beam test analysis <Genki>

- There are double saving events (DSE) dependence in the discontinuity at around strip 127. Also run-by-run dependence is observed.

- To judge how severely we have to investigate, we ask Kai-Yu if he can look into 2019 data and can confirm if the discontinuity also existed in 2019 data. If we don't see them in 2019 data, we can conclude it is unique to the standalone data acquisition and decoupled from the INTT system.

- Double saving event should be filtered +/- 5 BCO, however we cannot be completely free from DSE unfortunately. Cheng-Wei continue analysis on the inefficiency around the strip 127 with saving only 1st BCO event as currently manipulated, hoping the effect is minimal from the DSE.

o Production Status <Itaru>

- The bus extender delivery has been postponed until January 31st. **Itaru** will try to deliver cables to BNL/Taiwan/NWU ASAP.

- BCLK board design is the final. **Itaru** will move on to prototype fabrication ASAP.

- There are sufficient left over SUS tubes in ASUKA. Itaru will place an order to let them assemble 24 tubes.

Regards,

-itaru

On 2022/01/27 10:40, Itaru Nakagawa wrote:

Dear all,

We'll have the weekly meeting in following time.

**Jan. 27th Thursday 8PM in BNL = Jan. 28th Friday 10AM in Japan = Friday 9AM in Taiwan**

\*indico

<https://indico.bnl.gov/event/14633/>

\*Zoom

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

Best regards,

-itaru

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Sphenix-intt-l mailing list  
Sphenix-intt-l@lists.bnl.gov  
<https://lists.bnl.gov/mailman/listinfo/sphenix-intt-l>