

Dear all,

Here is the minutes from today's meeting.

o Beam Test <Genki>

- **Itaru** will try to arrange the site visit sooner to collect more information about the actual setup and materials to be prepared for the test.
- Multi-ladder test is to be done in NWU.

o Source test optimization <Yumika/Takashi>

- Optimized the measurement to be 4 hours using the self trigger mode.
- Proposed statistical method to judge the dead channel by having 3 sigma significance after subtracting noise hits from the total hits with the source.
- The advantage of the 4hours long operation is to have long term noise distribution.

o Taiwan assembly <Cheng-Wei>

- Operated source test fixture manufactured in Taiwan. The ladder was facing up and thus the radiation had to penetrate through trigger scintillator and the stave.
- The observed spectra obtained by the external trigger mode are funny shape and had micro structure unlike ones observed in NWU.
- Taiwan proposed to shorter exposure time to judge dead channel by raising DAC0 threshold to be sufficiently high and noise free. The proposed method seems to be reasonable as long as these hits are really true hits. In order to convince, **Cheng-Wei** should come up with the spectra which are well understood. The plan is to take data with self trigger mode without any materials in between.
- The long noise/cosmic data taking is also useful to judge good/bad ladder, but we should consider upgrading the environment of the test bench to operate multiple ladders simultaneously because it is time consuming. Multiple ladder readout are to be tested in NWU.

o Production Status <Itaru>

- 34 HDI's are on their way to BNL. May be delivered early next week or so. 13 HDI's for Taiwan are expected to be delivered by the end of October.
- **Itaru** is about gonna place the order for 4th batch production stave to Asuka. Expected delivery is end of November.
- The design work is in progress for the beam clock distribution board. Itaru's ambition

is to get ready for the December beam test.

o Conversion Cable <Itaru>

- Both connector ends design is in the final stage.
- Unfortunately KEL company notified us a few days ago that they can only fabricate cables with the leadtime of 3 months.
- Started looking for different company.

Regards,

-itaru

On 2021/09/30 10:40, Itaru Nakagawa wrote:

Dear all,

We'll have weekly INTT meeting on

Oct 1st Friday 9AM in BNL = Oct. 1st Friday 10PM in Japan = Friday 9PM in Taiwan

Please be ware, the new meeting day/time starts from this meeting.

*indico

<https://indico.bnl.gov/event/13333/>

*Zoom

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

Best regards,

-itaru

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