

Dear all,

Here is the minutes from today's meeting.

o Taiwan assembly and Beam Test Analysis Review for ELPH poster <Cheng-Wei>

- Analysis details are documented in following link below. Everyone are encouraged to take a look.

<https://indico.bnl.gov/event/15027/contributions/60782/attachments/40109/66890/INTT%20Testbeam2021%20report.pdf>

- **Cheng-Wei** is planning to compare the thicker tail of residual distribution with a simulation.

- After intensive analyses to observe the associate between INTT hits and CAMAC TDC in Japanese group, we concluded the accumulated data in ELPH are not correlated unfortunately. So there is no point of classifying BCO groups. At this moment, we don't have any meaningful use of CAMAC data.

- **Miu** will send APR manuscript to Cheng-Wei

- Cross check Cheng-Wei's noise rate vs. threshold result with the one Genki did. **Genki** will point his study and data to Cheng-Wei so that **Cheng-Wei** superimpose on top of his measurement.

- Author for **Genki's** talk is to be "Genki Nukazuka for sPHENIX-INTT Collaboration".

- **Cheng-Wei** will post the analysis report to INTT-wiki's Beam Test (Phase-III) category.

o Yasuyuki proposed two NIM articles; 1) single ladder performance including beam test, 2) INTT barrel after commissioning.

o Irradiation of neutron beam on micro-Coax at RIKEN <Itaru>

- Irradiation of neutron beam on micro-Coax is ongoing in RIKEN in March-3,4. No visible damage in PFA samples after 20 minutes exposure.

- As a consequence of exposure for 4 hours on the first day, the samples are prohibited to access due to radio-activation. Unfortunately we don't have a choice to extract the prototype-l cable in the middle of exposure today. We just have to cross our fingers that the cables are not severely damaged.

o Signal transmission performance of BEX and CC <Itaru>

- The signal transmission performance for BEX and CC cables were measured in Tokyo Industrial Research Institute and compared performances for 1.3m and 1.1m BEX, 40cm and 20cm FPC-CC, and 20cm micro-coax cables.

- Observed performances of the 20cm micro-coax cable were reasonably consistent with Itaru's estimate in August, 2021 and better than 20cm FPC-CC.

- Overall signal transmission performance is better for 1.1m bus-extender + 20cm micro-coax compared to 1.3m bus-extender + 20cm FPC-CC.

Best regards,

-itaru

On 2022/03/03 15:22, Itaru Nakagawa wrote:

Dear all,

We'll have the weekly meeting in following time.

March. 3rd Thursday 8PM in BNL = March 4th Friday 10AM in Japan = Friday 9AM in Taiwan

*indico

<https://indico.bnl.gov/event/15027/>

*Zoom

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

Best regards,

-itaru