

Dear all,

Here is the minutes from today's meeting. Some homework are assigned to a member who was not able to join the meeting. Please go through the minutes and make sure you react.

The reports from Joseph and Mahiro are postponed to next week.

o Onsite Report <Genki>

- Fine delay data taking has been completed by now.
- document the procedure to be posted in wiki
- Suspicious behavior in INTT-1 felix server is observed. The hypothesis is due to noisy chips in some ladders of INTT-1. **Genki** will try to turn off LV for them to verify the hypothesis. INTT-5 also has similar symptom.
- **Genki** will talk to Raul to implement the mask feature of these noisy channel at Felix. If it is not successful, we should ask Raul to mask half ladder. If doesn't work, then masking ladder. The agreement in this meeting was to keep seeking the solution to mask at Felix rather than trying to mask at the ROC.
- **Joseph** should implement a capability to pick up the low hit rate of entire Felix in online monitor if such a feature is not implemented. If the hit rates are normalized for each felix servers, it only picks up lower hit channels in the given felix server, but it doesn't pick up particular felix server hit rate is low compared to others. **Genki** will prompt Joseph.
- **Genki** should integrate current INTT custom offline QA plots generation into sPHENIX main stream production for the automation. Asking for volunteer to checking
- **Itaru** will look for volunteer from Rikkyo undergraduate students to check QA plots run-by-run.
- Cheng-Wei showed event display of Run23. In his example INTT-1 and 5 behaved inactive for particular event. This may be an indication the current noisy chip issue may already existed in Run23.

o MVTX data driven alignment study <Takashi>

- Joe suggested that **Takashi** should report his track study of MVTX -5mm offset in horizontal in the tracking meeting.
- Cheng-Wei suggested **Takashi** to see the $\sin(\phi)$ modulation as a function of z to see if MVTX barrel is tilted with respect to the beam line.

o Cosmic Analysis for efficiency and alignment <Wei-Che>

- **Wei-Che** updates the fine DAC0 scan results in the INTT weekly meeting next week.

- Jaein suggested **Wei-Che** should take a look CDBTTree to access the list of hot channels.
 - **We-Che** should consider analyzing Run23 cosmic data rather than Run24 one whose noise condition is worse.
- o DAC0 Scan <Tomoya>
- **Tomoya** update the plots and report to be conclusive and post them to the INTT mailing list without waiting for the next INTT meeting, since this is a quick feedback to the operating condition to 1008.
 - **Tomoya** double check the calculation and should change vertical axis to be log scale and rate [Hz] or per trigger.

Best regards,
-itaru

On 2024/05/21 9:37, Itaru Nakagawa wrote:

Dear all,

We'll have the weekly meeting in following time. There is a lot of progress onsite in the INTT commissioning. Please prepare good summary report from onsite crews.

May 22nd Wednesday 9AM in BNL = May 22nd Wednesday 10PM in Japan = Wednesday 9PM in Taiwan

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*indico

<https://indico.bnl.gov/event/23532/>

*Zoom

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

Best regards,

-itaru

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