

Dear all,

Here are the minutes from today's meeting. Itaru, Mai, and Manami will be absent in the next meeting due to the travel back to Japan. **Takashi** will chair the next meeting.

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o Correlation plots <Mai>

– intt1 has difficulty in data taking though, the runs we were able to take demonstrated clear correlation between inner and outer layers as well as other intt servers.

o Approved plots <Genki>

– Thanks to Genki, Maya and Mai for making plots for the approval session through strict requirements. 3 plots have been approved from INTT group!

o Status of data processing <Genki>

– Automation is up on running by now to produce hit/event base root files and Misaki's plots within 1008 computers.

– Milan just started working on the automated data transfer to SDCC and data processing there.

– **Itaru** should designate dedicated person for bookkeeping conditions of each runs.

o BCO mixup issue and conclusion after Raul & Martin discussion <Takashi/Itaru>

– Takashi pointed out inconsistency between felix packets and the present decoder. The present data are mixed up BCO\_FULL within a given event. This is caused by the Raul's update in the firmware at the end of the day 6/5 but not updated in Martin's decoder.

– Martin and Raul sat down together on 6/14 and started update the decoder. Martin is estimated to make it ready by the end of this week. Any data taken between 6/6 have been suffered from this mismatch and better to pend your analysis for now until root files are produced again after the decoder is updated.

- The mixed up BCO\_FULL may be caused by the arbitrary defined "event frame" so far. Once the event counters are adequately decoded, the hits are to be properly sorted to have only one BCO\_FULL hits belong to one event.

o Progress this week <Itaru>

- Thanks to Jaein, the intt1 becomes operational with Jaein's new channel mask list. However, intt1 has off timing from the other 7 servers. **Itaru & onsite crews** will perform the timing scan for all 8 servers to observe the timing difference between different servers.

- Maya's BCO\_FULL - BCO analysis indicates timing resolution of each intt server spread to 2 ~ 3 BCLKs, which contradicts from our observation of the first time-in results for intt2 with n\_collision=0. To be verified by the timing scan with all 8 servers.

- Joseph's online monitor is now available for shift crews.

o DAC Scan analysis <Yuka>

- Unomalized DAC scan results are presented.

- Since the first data and the last run taken are a part by more than 10 hours or so, the data taking condition can be quite different. **Yuka** should try to normalize carefully between runs using overlapping bins.

- The data have been taken before Raul's firmware update, so the DAC scan data should be free from incompatibility btwn felix packets and decoder.

Best regards,

-itaru

On 2023/06/14 23:14, Itaru Nakagawa wrote:

Dear all,

We'll have the weekly meeting in following time.

June 15th Thursday 9PM in BNL = June 16th Friday 10AM in Japan = Friday 9AM in Taiwan

\*indico

<https://indico.bnl.gov/event/19834/>

\*Zoom

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

Best regards,

-itaru

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Sphenix-intt-l mailing list

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