

Dear all,

Here is the minutes from today's meeting.

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o GL1 matching study <Jaein>

- Jaein obtained GL1 matching ratio of INTT hits with MBD trigger ~93% and got somewhat higher than Genki's ~80% or so. Originally Takashi reported that ratio of 97% or so, but his data was his original decoder, not Fun4All as Genki and Jaein's analyses based on. This discrepancies have not been addressed and remain open question.

- The GL1 matching ratio is observed to be moderately declined as a function of the bunch number. Jaein recalls this feature was already observed in Takashi's analysis. Do we have any explanation of this slope?

- **Jaein** summarize the analysis conditions (run#, #of events processed, hot channel map, X-ing angle, etc).

- The GL1 matching ratio gets a bit higher with the 1.5mrad crossing angle data.

o Digital Control parameter test <Itaru>

- Itaru proposed two different digital control parameter runs. Parameters are 10 and 2.

- The minimum required hits is 73k hits/Felix. 5 minutes run for each parameter condition should be sufficient.

o INTT workshop <Jaein>

- Tutorials and documentation sessions in the first two days.

- The INTT introduction on the first day should include a few slides of sPHENIX detector overview as well.

- **Itaru** will discuss with Byungsik if he supports international travel for lecturers.

- **Students** proceed to ask INTT stuffs to give lectures for INTT/Run24 and sPHENIX detector.

o Onsite summary <Rachid>

- Takashi/Maya are expected to assign a NWU student to work on the vertex reconstruction of INTT.

- To be discussed the optimization of n\_collision and open\_time settings. Currently n\_collision=100, open\_time=60.

Regards,

-itaru

On 2024/10/08 10:54, Itaru Nakagawa wrote:

Dear all,

We will have next INTT weekly meeting in following date/time. As was stated in the last week's meeting, we will start with Jaein's presentation this week.

**Oct. 9th Wednesday 9AM in BNL = Oct. 9th Wednesday 10PM in Japan = Wednesday 9PM in Taiwan**

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\*indico

<https://indico.bnl.gov/event/25091/>

\*Zoom

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

Best regards,

-itaru