

Subject: Re: [[Sphenix-intt-l]] Weekly INTT meeting <meeting>
From: Itaru Nakagawa <itaru@riken.jp>
Date: 2024/12/20 12:22
To: sphenix-intt-l@lists.bnl.gov

Dear all,

Here is the minutes from today's meeting.

o Simulation study of the MVTX absorber effect <Genki>

- A proton single beam MC by Cameron with his beam model which mimics beam backgrounds.
- Observed factor of 4 more clusters with the absorber compared to no absorber.
- **Genki** should run Au-beam with longer time scale.

o INTT various updates <Cheng-Wei>

- Studied #of hit saturated chips.
- We need to make the open_time larger in Run25.
- In order to implement the busy to GTM is doable.
- We found the present the GTM fixed trigger busy=16BCO is not sufficient and it introduces the hit carry over issue in the data.
- The short consecutive trigger events can be filtered in offline.
- **Cheng-Wei** and **Itaru** will propose increase the GTM fixed trigger busy or offline filter option from the current 17BCOs in coming operation board meeting.
- Implementing INTT felix the dynamic busy is not trivial which requires full time work of Raul who's primary mission is TPC. We decided not to take this option.
- **Mai** will report in the next meeting regarding the progress of the cross check of the Mixed-up and the fish bone symptom.
- In addition to Joseph, Cheng-Wei, Takashi, can **Jeain, Yuko** contribute to the tracking group?
- **Takashi** will ask tracking group to change the meeting time.

o Bias voltage dependence <Hayato>

- The exponential fit seems to overestimate the background hits. **Hayato** should deal with only clusters only associated with tracks.

- **Hayato** makes the plots of MPV vs bias voltage.

On 2024/12/19 16:45, Itaru Nakagawa wrote:

Dear all,

We will have next INTT weekly meeting in following date/time.

Dec. 19th Thursday 7PM in BNL = Dec. 20th Friday 9AM in Japan = Friday 8AM in Taiwan

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*indico

<https://indico.bnl.gov/event/25995/>

*Zoom

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

Best regards,

-itaru