

Subject: Re: [Sphenix-intt-l] Weekly INTT Meeting <Minutes>
From: Itaru Nakagawa <itaru@riken.jp>
Date: 2023/10/12 0:24
To: sphenix-intt-l@lists.bnl.gov

Dear all,

Here is the minutes from today's meeting.

o MBC & INTT correlation <Hinako>

- The z-vertex and timing cuts erased the island in the multiplicity correlation between INTT and MBD.
- **Cheng-Wei** will take a look MBD z-vertex and MBD charge correlation
- Remove clone hits and investigate why this satellite island won't show up in the cluster multiplicities.

o Event Mixup <Mai>

- Observed clear correlation with the multiplicity and mixed up events.
- Remove clone hits before reporting to Raul to isolate possible multiple bugs in DAQ.
- **Mai** should take a look open time scan data to see if the mixed-up has something to do with the open time setting. Mixed-up can possibly caused by the hits didn't make within open time=35 window.
- **Mai** should present process such as cuts, etc to get results in the future presentations.

o Software Development <Takashi>

- Software task lists are summarized in google doc.
<https://docs.google.com/spreadsheets/d/19oZJ2UAu-wwczQBbfpat8sEreKFuLpSZrDDzt1xYgPA/edit#gid=0>
- **Takashi** will update the software task list periodically.
- Dead channel maps should be applied at DST level.
- Joseph will make the Tree format as before. Users prefer EventBaseTree rather than HitBaseTree.
- **Takashi** will send the directory to Joseph and he will take a look.

o Clone hit study <Genki>

- Typically clone hits have the same hit from the reference hit and ADC value is zero.
- Genki's next step is to identify between clone and hot hits.
- **Genki** repeats the same clone hit study on DAC value 15 and 30.
- **Genki** and **Cheng-Wei** will review Genki's clone event study in the past.

o Hot channel finder <Jaein>

- **Jaein** needs to look in to some specific cases which ends up with two peaks. The origin of two peaks are very likely come from chips which have half entry issue.

o Stability monitor <Wei-Che>

- Stability monitor framework is almost done. Although the hits/event is already a good quantity to monitor the stability, the hit rates can be calculated based on the BCO difference of the last event and the first event.

o Message to MBD analyzders <Maya>

- For people who use MBD data, now there are the official tree directory which Genki prepared. I copied the newest MBD files Mickey had produced. The directory is here. There are only zero field runs only. It will come more but if you want particular run numbers, please let me know.

/sphenix/tg/tg01/commissioning/INTT/subsystems/MBD

Best regards,

-itaru

On 2023/10/11 0:25, Itaru Nakagawa wrote:

Sorry the link to the indico page was out of date. Here is the correct link.

<https://indico.bnl.gov/event/20828/>

Regards,

-itaru

On 2023/10/11 0:24, Itaru Nakagawa wrote:

Dear all,

We'll have the weekly meeting in following time.

Oct. 11th Wednesday 9AM in BNL = Oct. 11th Wednesday 10PM in Japan = Wednesday 9PM in Taiwan

*indico

<https://indico.bnl.gov/event/20700/>

*Zoom

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

Best regards,

-itaru

Sphenix-intt-l mailing list

Sphenix-intt-l@lists.bnl.gov

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