

Dear all,

Here are the minutes from today's meeting.

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o Onsite report <Akitomo>

- Took DAC scan data under zero-field condition. **Looking for a volunteer** to analyze DAC scan data.
- Took DAC0 scan data under zero-field condition. Wei-Che is working on the analysis.
- Observed two BLCKs width in the BCO diff distributions in the felix 3 while others one BLKC in one of the 56x56 run we took last week. This indicates synchronization issue between felix servers.
- Given the collision rate, the background level (w.r.t. the triggered event rate) of the filled bunches are calculable. **Akitomo** and **Genki** should try to understand and explain the observed background level.
- A quick attempt to evaluate the detection efficiency of the intt layer is to be made using the selected events which has firm collision vertex reconstructed with multiple intt tracklets. Any missing hit expected in a given layer although a likely true hit is found in the other layer from given collision point can be the candidate of the inefficiency. As a proof of principle it is worthy to study DAC0 threshold value dependence of the efficiency. **Takashi** will talk to **Hinako**.

o Run24 z-vertex calculation <Takashi>

- *Thanks to **Cheng-Wei** and **Jaen's** efforts in the analysis of vertex reconstruction and hot/dead channel algorithms, we have quite quick feedback in the semi-online analysis in Run24.*
- Confirmed good correlation in reconstructed z-vertex distributions between INTT and MBD. The MBD waveform is under calibration so the resolution is expected a few cm at this moment which may explain the ~4cm width of the difference between two reconstructed z-vertex distributions.
- The ADC distribution shows clear separation between noise and MIP peak unlike the Run23 data. Run23 data showed almost exponential spectra and didn't observe clear separation between noise and MIP.
- The INTT tracklet is to be extended to calorimeters to correlate with EMCal and HCal. It is Takashi's task list, but hasn't been started yet.
- **Hinako** may report her progress in the INTT tracking in the next meeting.
- **Takashi** try to introduce the ladder by ladder alignment correction to diminish the zig-zag structure in his right plot in slide 5 plot.

Regards,

-itaru

On 2024/05/07 7:16, Itaru Nakagawa wrote:

Dear all,

Sorry, the correct date is follows:

**May 8th Wednesday 9AM in BNL = May 8th Wednesday 10PM in Japan = Wednesday 9PM in Taiwan**

On 2024/05/06 23:22, 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 7th Wednesday 9AM in BNL = May 7th Wednesday 10PM in Japan = Wednesday 9PM in Taiwan**

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\*indico

<https://indico.bnl.gov/event/23289/>

\*Zoom

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

Best regards,

-itaru

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