

Dear all,

Here is the minutes from today's meeting.

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o Vertex Reconstruction plots approval <Cheng-Wei>

- Wavy structure of the Delta-Z (reco-true) appears in the edge of the INTT acceptance (-20cm) and there is no such a structure around z-vertex around zero.

- Takashi showed wiggling structure in p+p MC. The wiggling is likely to be caused by the multiplicity.

- **Cheng-Wei** should include the conditions (Species, B=0, sqrt(s).... ) in all plots.

- **Cheng-Wei** informs tracking group and ask if they want to review plots before PCM.

o Cluster size reference plot for offline QA <Ryota>

- **Ryota** should select only PHYSICS data sets to determine the reference.

- **Ryota** should come up with two kinds of references for DAC0 threshold of 30 and 35.

- **Ryota** should zoom up size-5 and size 6 to see the details of the quality of fits.

- **Ryota** should replace just a horizontal bar to the histogram

- **Ryota** should extend the vertical error bar to be 3-sigma rather than 1-sigma of the reference histogram.

o INTT workshop proposal <Jaemin>

- Every participants presents report in beginning, mid term, end of workshop.

- The daily work should be stopped at 17:00.

- INTT workshop site dates are determined to be Korea University from Nov.19 to Dec. 6th based on the **\*STRONG\* desire from students.**

- Host are asked to look for working place to accommodate ~20 participants.

- **Itaru** prepares timelines of planning and preparation towards the workshop.

o Event Mix-Up <Mai>

- **Mai** upload slides to indico page and should come back with well summarized presentation for the preliminary request.

- **Mai** should normalize blue and red histograms in slide 6 to have fair comparison of the shape.
- Need to come up with algorithm to estimate baseline from less than 111x111 bunches. **Mai** should filter data and plot only 111x111.
- **Mai** will come back with Slide 4: 2nd peak around 110 which didn't disappear after removing the abort gap from the calculation.

o GraphAna HV/LV monitor <Yui>

- LV and HV monitor was developed using GraphAna.
- **Genki & Ryota** will talk to Steve if there is any portable way to speed up the communication with the server because the current OPC2 is too slow. May be consult with Rachid before we ask Steve to make an action.

o Travel Schedule

- Joseph comes to BNL Aug.24th – end of October.

o INTT performance plots for coming conferences <Genki>

- **Jaein** will update the hot channel stability in the next meeting.
- **Genki** proposed to marge the analysis note for multiple INTT performance topics.
- Clear correlations are well observed in the out of GL1 matching events in the stream readout!

o Stream readout issue <Genki>

- Genki presented health check modules for offline QA, e.g. INTT internal correlation plots, tracklet reconstructions, etc. Waiting for **Chris** and **Martin** to fix the SingleINTTPoolInput module to process 3rd phase properly. Jaein is working on the correlation with other detectors.
- intt\_pool stack hits for each BCO. SingleINTTPoolInput combines the different INTT servers.

Best regards,

-itaru

On 2024/08/19 22:54, Itaru Nakagawa wrote:

Dear all,

We will have next INTT weekly meeting in following date/time. We should discuss about the event alignment of the stream readout and QAs as well as the last week. Please prepare update the development status for crews in charge.

**August 21st Wednesday 9AM in BNL = August 21st Wednesday 10PM in Japan =  
Wednesday 9PM in Taiwan**

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\*indico

<https://indico.bnl.gov/event/24589/>

\*Zoom

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

Best regards,

-itaru