Dear all,

 Here are the minutes from today's meeting.

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o z-cluster <Tomoya>

- Large z-cluster hit map showed typically ADC=7 which is consistent from the true trajectory.

- It would be very difficult to model the beam halo backgrounds. It may decays as a function of radius and can be studied in combination with MVTX and TPC. Such a study from experiment is necessary to model the beam halo in the MC.

- In the meantime, **Tomoya** should focus on the MC study without the beam halo backgrounds, and try to understand how the z-cluster should behave if they are all come from the collision point including z-vertex dependence.

o Pythia 8 Simulation Study for 97.3% trigger associated hits in INTT <Genki>

- Although the MC data is minimum bias, **Genki** should check if the present MC data covers relevant diffractive events. The pythia 8 suppose to have diffractive event option, but it is questionable if it is reflecting since the minimum # of clusters in INTT shows more than 50.

o Software issues <Takashi>

- Run number mismatch issue is presented. Joe suggested **Takashi** to share the slide with Martin.

- **Takashi** should hot channels to be added in the QA list.

- **Someone volunteer** from INTT group suppose to work with QA group.

o Hit rate distribution by MC <Cheng-Wei>

- A toy MC demonstrated the hit rate distribution appears symmetric and Gaussian. It indicates any asymmetric distribution in the data need to check if the relevant corrections are made.

- Some stuff member should be involved in the hot channel identifier algorithm developed by Jaein and Joseph. To be discussed again in the future INTT meeting when they are attending.

Regards,

-itaru

On 2024/07/02 0:51, Itaru Nakagawa wrote:

> Dear all,
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> We will have next INTT weekly meeting in following date/time.
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> **July 3rd Wednesday 9AM in BNL = July 3rd Wednesday 10PM in Japan = Wednesday 9PM in Taiwan**
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> *indico
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> https://indico.bnl.gov/event/24085/
>
> *Zoom
>
> https://zoom.us/j/92149923535
>
> Best regards,
>
> –itaru
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> _____
> Sphenix–intt–l mailing list
> Sphenix–intt–l@lists.bnl.gov
> https://lists.bnl.gov/mailman/listinfo/sphenix–intt–l