Analysis Plan during INTT workshop

Name : Mahiro Ikemoto
Institution : NWU

- Analysis topic
  - Zvtx distribution analysis
  - Tracking with INTT and EMcal

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- ## Analysis topic
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- ## Current knowledge/status of this topic
  Zvtx determination algorithm is ready

- ## Goal for the workshop
  1. Check consistency with MBD's and CW's
  2. Estimate the resolution by the magnitude of |z|
  3. Summarize the code and the analysis results (if possible)

- ## Milestones to reach to your goal
  1. Make Zvtx distribution for another run (54280?)
  2. Reconstruct the distribution using simulation data with a wide Zvtx distribution and determine the resolution
  3. Write analysis result for the note

2024. 11. 18

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- Analysis topic
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- Current knowledge/status of this topic
  Just decided on the topic

- Goal for the workshop
  1. To be able to use tracking code
  2. Tracking with INTT and EMCal using simulation data

- Milestones to reach to your goal
  1. Learn structure and how to use tracking code
  2. Make simulation datas (with different momentum, single electron)
  3. Learn how to synchronize EMCal and INTT

2024. 11. 18

Back Up

Analysis Plan during INTT workshop

Name : Jaein Hwang
Institution : Korea Univ.

- ## Analysis topic
  Hot/Cold channel calibration

- ## Current knowledge/status of this topic
  Hot channel determination algorithm is ready/placed in coresoftware

- ## Goal for the workshop
  1. Make documentation(analysis note in sPHENIX invenio) for next potential manager/users
  2. Implement/test cold channel determination for pp run
  3. Implement/test algorithm with run24 gold gold data for next year(if possible)

- ## Milestones to reach to your goal
  1. Correcting separated analysis note/result for the note
  2. Making hot/cold channel CDB with Run24 data and write the update on the analysis note
  3. Careful data selection from run24 gold-gold data to release the algorithm in auto-production for next year