

# Topics

## 1. HotDead map in cosmic ray is urgent

- Strongly requested in the software meeting. Thanks, Joseph and Maya for attending the meeting.
- WeiChe is working on the cosmic data.

## 2. Implementing the survey geometry in simulation

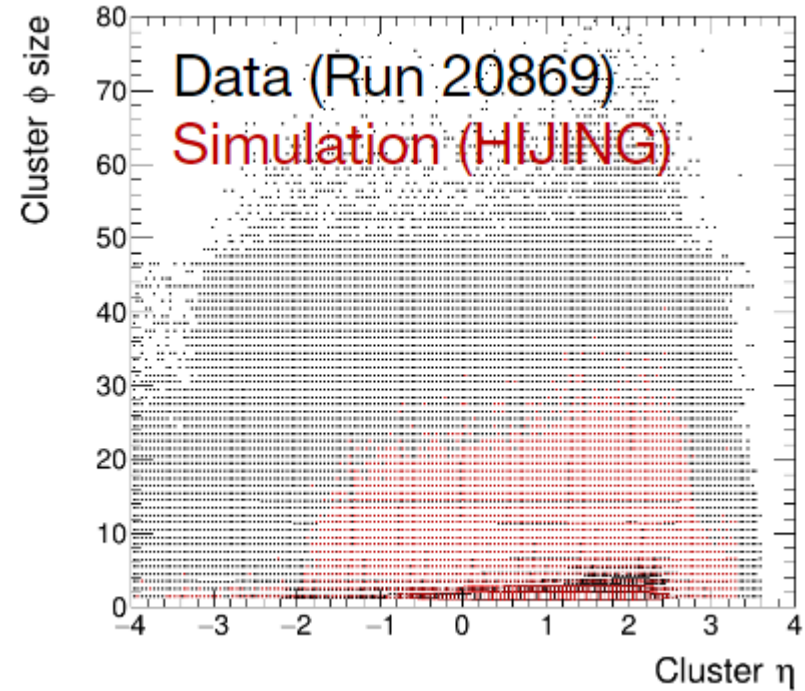
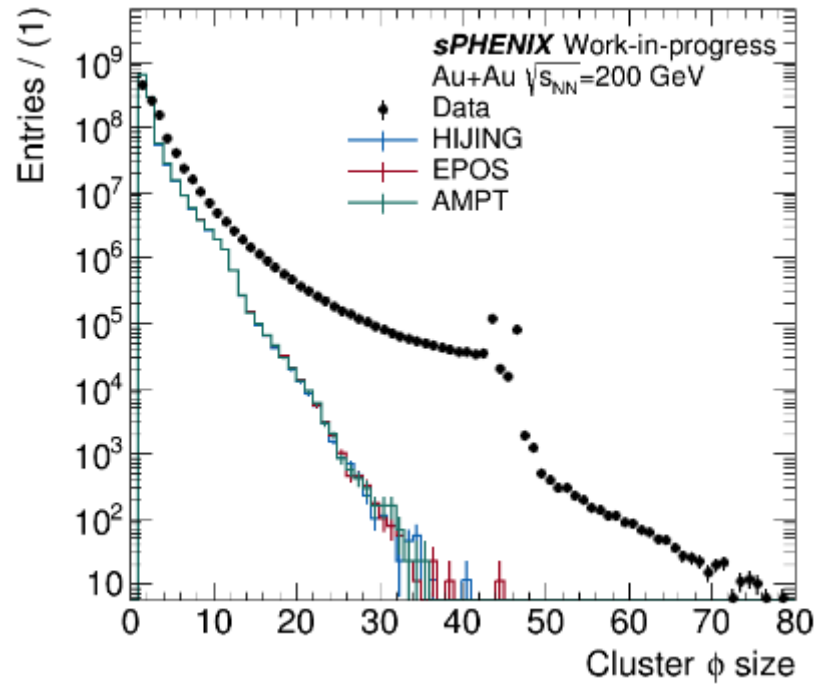
- Needed to evaluate mis-alignment effect for dN/deta analysis
- HaoRen said he can help if necessary

## 3. Cluster size in simulation is different with data

## 4. My macro to reconstruct INTT cluster doesn't work

- The macro was successfully run 3 month ago but...

# Sim vs Data : Cluster size

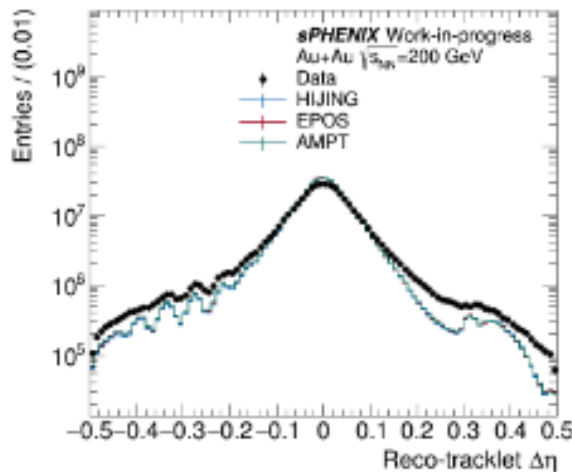
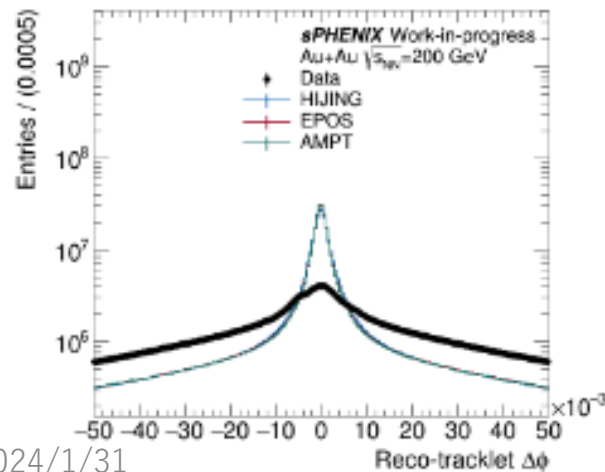
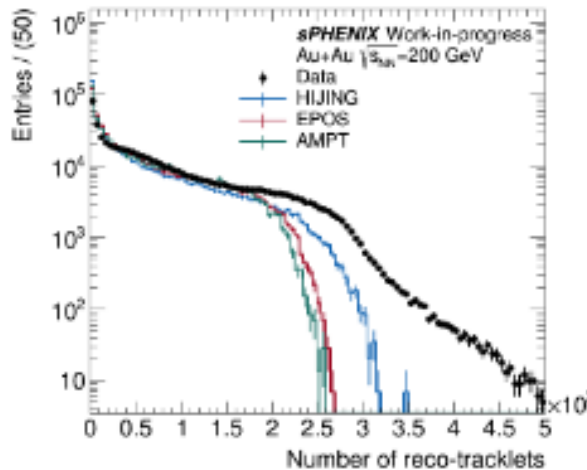
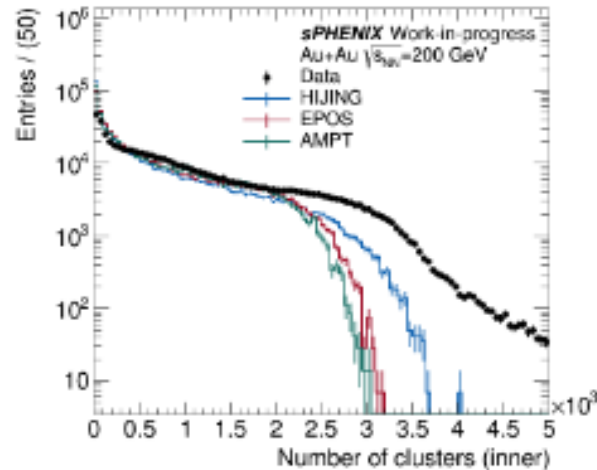


- No hot/dead map and No BCO cut applied in data
- No noise in simulation

# dN/deta : Sim vs DATA

## Tracklet reconstruction

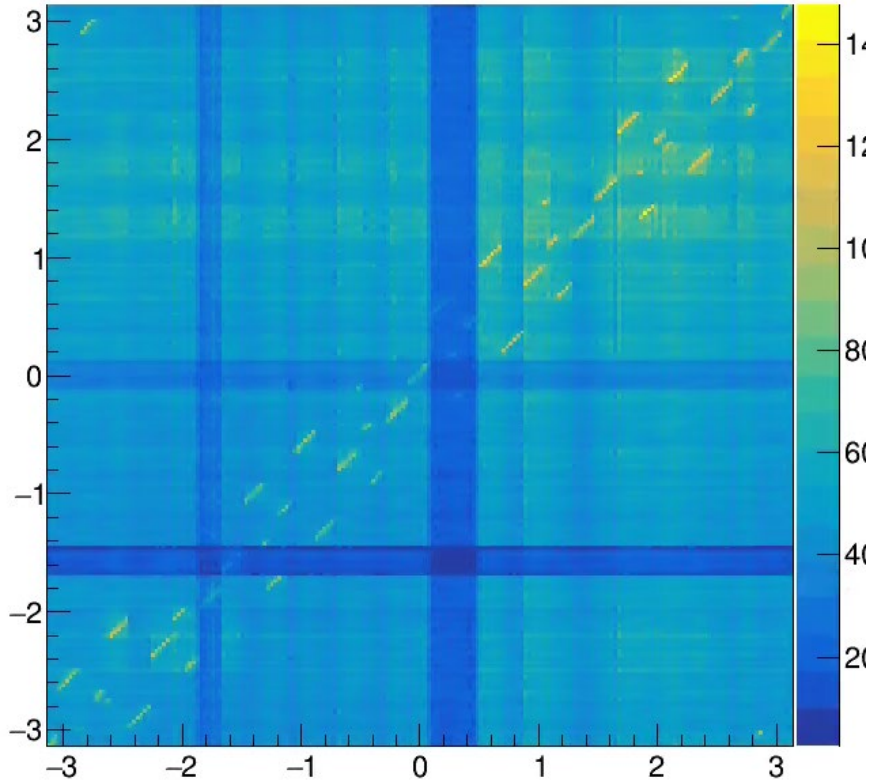
Inclusive PVz & centrality



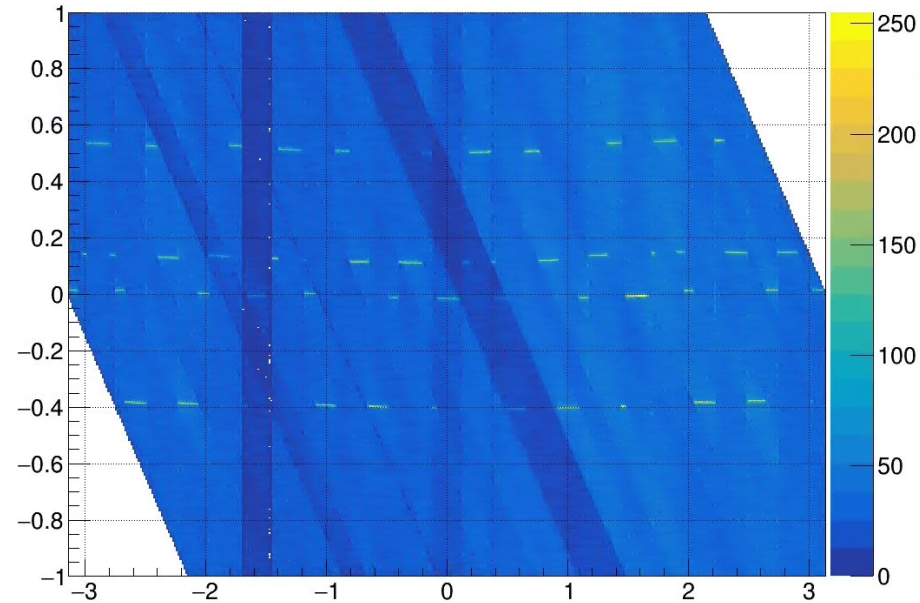
- Higher Ncls & Ntrk tail in data than simulation.
- d(phi) & d(eta) difference can be due to mis-alignment in data

# Strange inner and outer angle correlation

ang1:ang2 {nclus<2000}

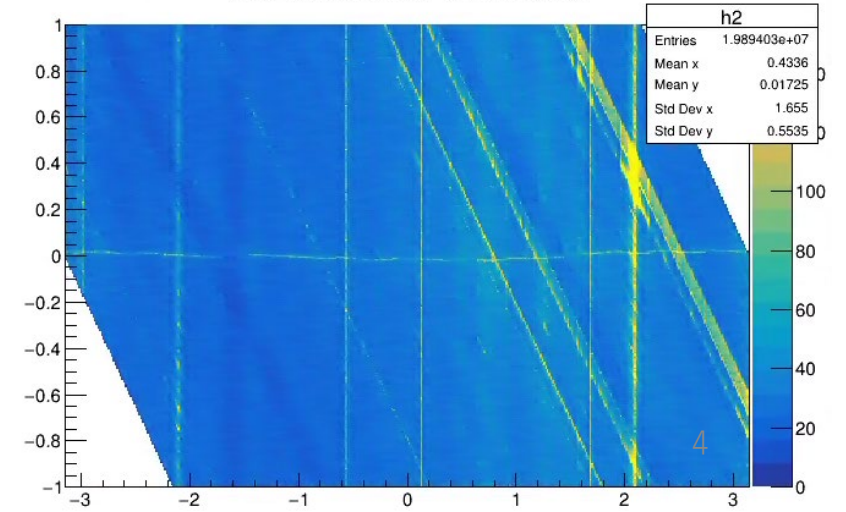


ang2-ang1:ang1 {nclus<500}



Old production

ang2-ang1:ang1 {nclus<500}



- Correlation is splitted to 4 different lines
  - This is found with the current library (Jan. 29 2024)
  - Does anyone do something in the ch-conversion?



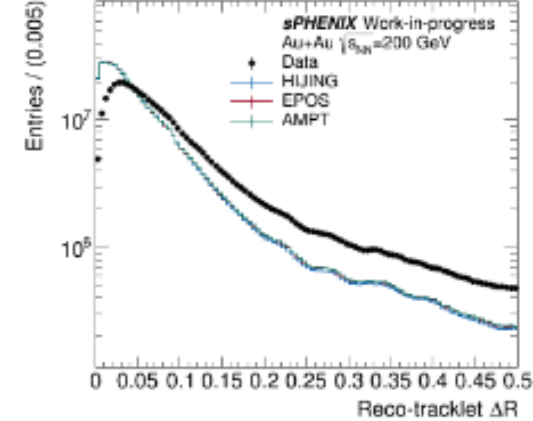
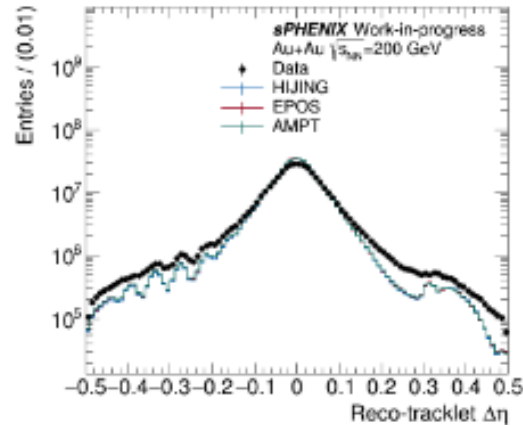
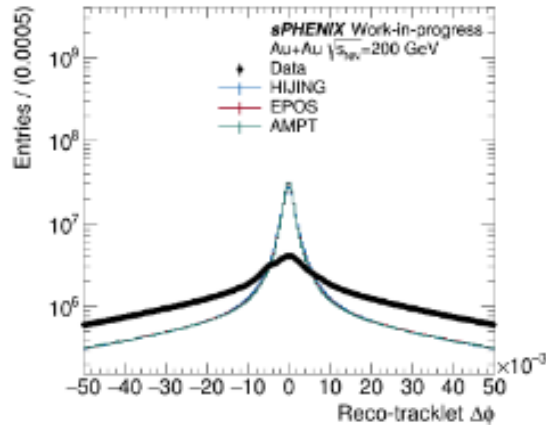
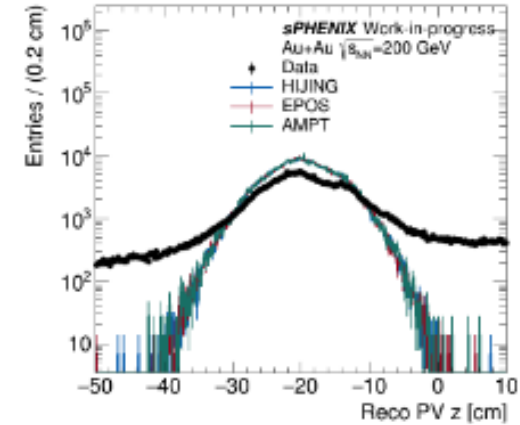
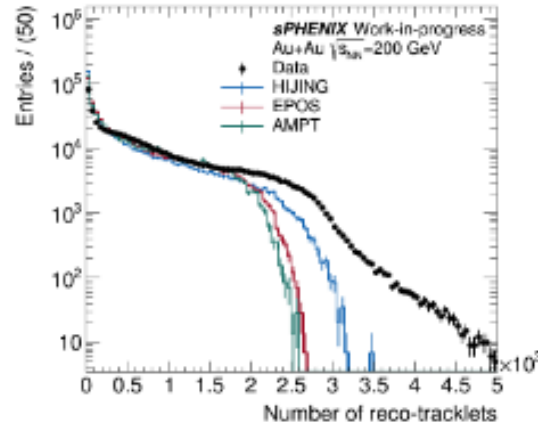
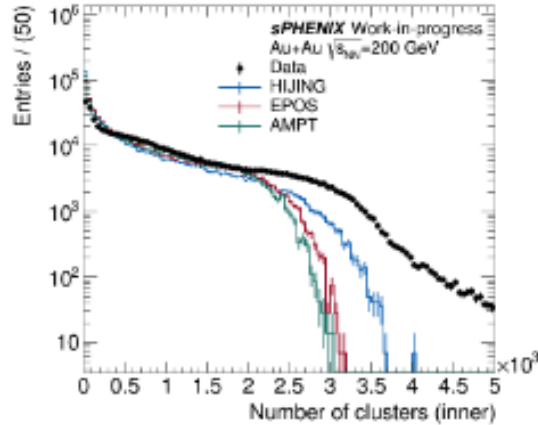
# dN/deta : Sim vs DATA

## Tracklet reconstruction



### Inclusive PVz & centrality

To be cross-checked with MBD measurements





# Clusters & Tracklets

inclusive PVz & centrality

