

Data QA for INTT

Maya Shimomura

info

- Number of runs: 10
 - Started from 20869
 - Start from 7felix-merged tree
 1. Clustering ← hot map applied.
 2. Z-vertex reconstruction
 - 2'. Associating with MBD
- *Start using condor to submit the jobs.
- *MBD trees are almost ready.

/sphenix/user/chiu/sphenix_bbc/run2023/INTT/

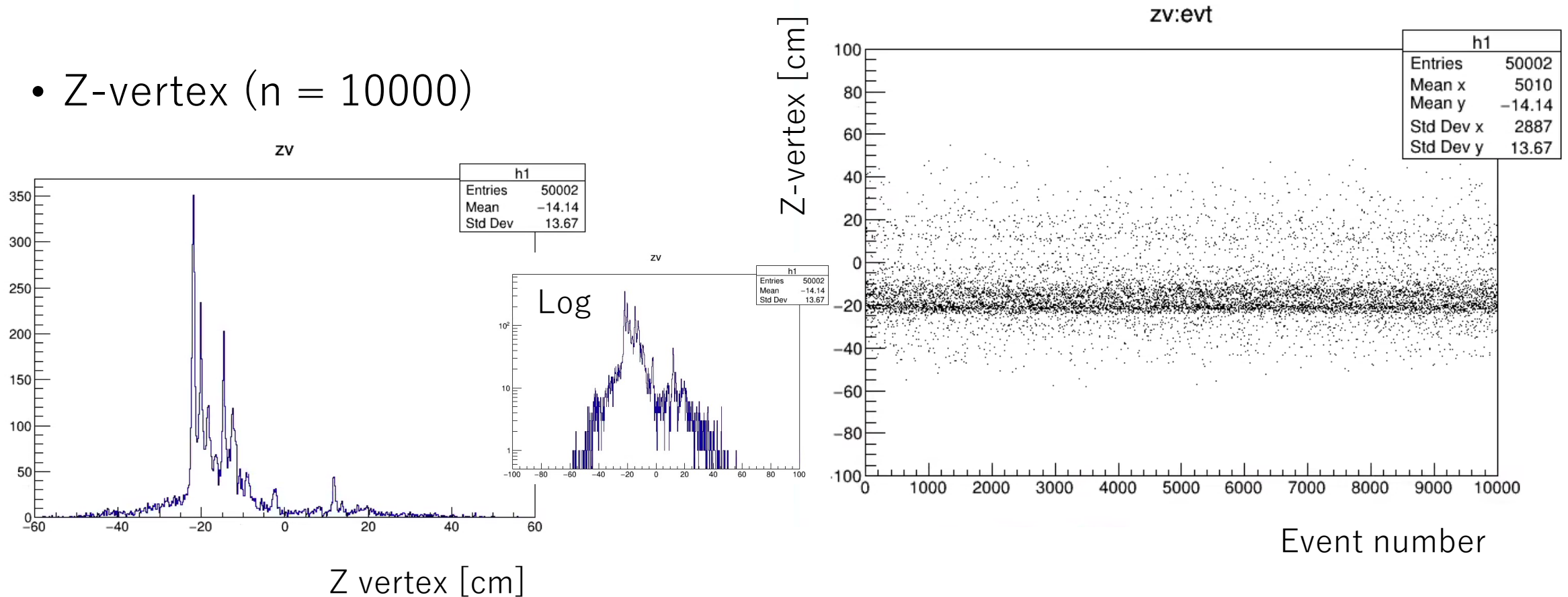
RunNumber (ZF)	Nevents
20864	417,729
20866	26,404
20867	317,047
20868	288,481
20869	550,123
20878	89,238
20880	171,760
20881	31,736
20883	94,249
20885	357,343
Sum	2,344,110

To do

- Run dependence of
 - zvertex (INTT)
 - Number of clusters
 - Number of hits
- Event dependence of
 - INTT standalone
 - Number of clusters
 - Number of hits
 - INTT and MBD
 - BCO_full1-BCO1
 - zvertex(INTT) – zvertex(MBD)
- For v2 analysis
 - Average of Q vectors (Q_x , Q_y)

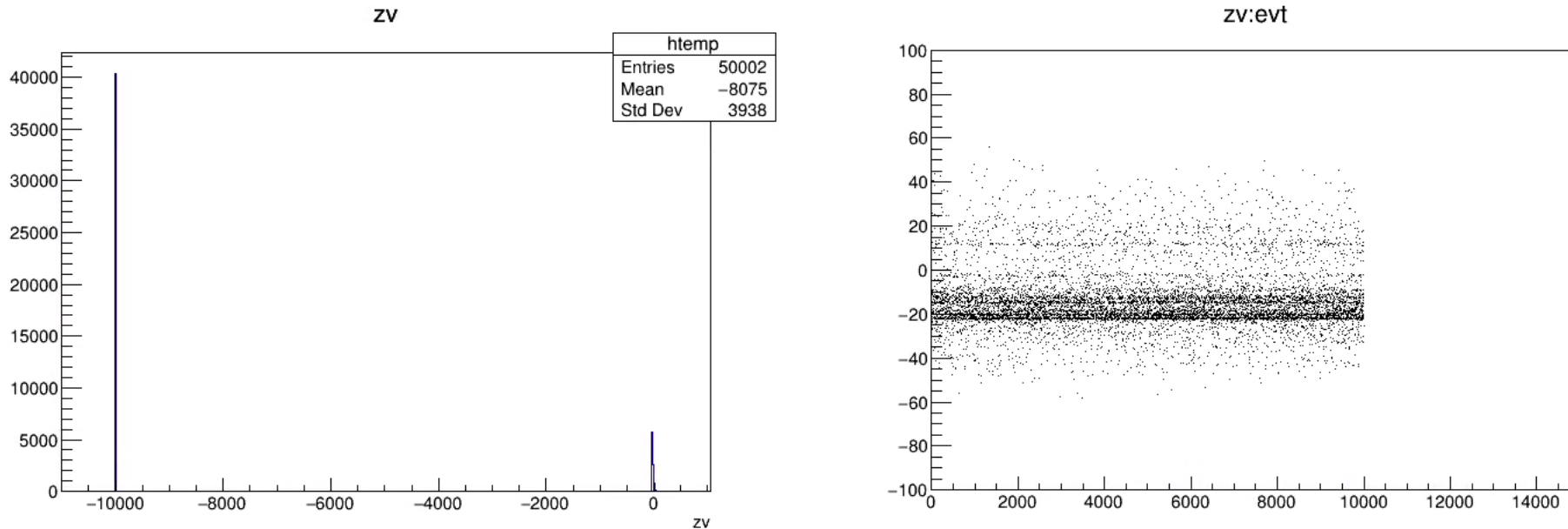
Z-vertex(INTT) vs. event number

- Z-vertex (n = 10000)



Using INTT z-vertex reconstruction macros in github.

Reconstruction rate for z-vertex



- Only 1/5 event vertexes are reconstructed.

Summary

- Data QA started. Listed the items, could be added.
- Z-vertex is reconstructed and checking its event number dependence.
- More is coming.