Study of jet reconstruction in the high-energy heavy-ion collision experiment sPHENIX

Goal in this workshop: Begin to handle particle data through the detector
Now I am using simulated data.

Mai Watanabe
（NWU）

My To-Do List
- ・Separate JET and Background
  - ・The method of subtracting background is formulated so check to see if the macro runs properly.

- ・Measure the accuracy of my reconstruction jet.
  - ・Decide how much difference between the truth jet and my reconstruction jet I consider to be consistent.
  - ・Create a difference distribution of η, Φ, and p_T between truth jet and my reconstruction jet.
    - ・I use "Condor" to run the macro since my reconstruction macro stops after about 6000 events,.
    - ・The macro to get information on truth jet is not running properly and we will determine the cause.