TTH Full Simulation Study Report   Ryo Yonamine (2011. 10. 7)
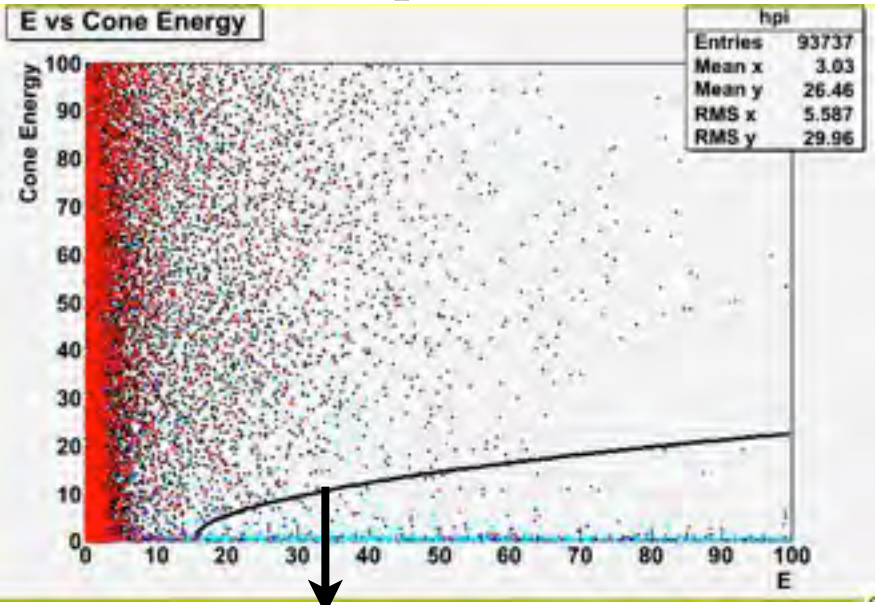
Status

Almost finished preparation of Isolated lepton finder processor
But still need some work for the parameter optimization

Tried using Satoru jet finder for PFOs remained after a isolated lepton selection
Need to check the results

--> Started to prepare an analysis processor
Now working at mass reconstruction part

Sample Plot

ConeEnergy and E plot
from IsolatedLeptonFinderProcessor

Sample: bbvμsc 1000 events

cut boundary

- ⬤ (cyan) Muons from W
- ⬤ (blue) Muons but not
- ⬤ (red) Electrons
- ⬤ (black) Pions

preliminary

Muon from W = 701

Leptons recognized to be isolated
  and it is truly muon from W = 591

Leptons recognized to be isolated = 1078

Muons recognized to be isolated = 866

Plans

Preparation of analysis processor to check results from processor chain
Investigation into parameters on my Isolated Lepton Finder Processor
Event generation

Replace to new jet finder processor