Status of Strip Clustering

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with Latest Mokka, PandoraPFANew, and Daniel's Splitting module for hybrid ECAL

To get the following steps;

- to get better JER (at least Mark's result)
- more realistic simulation
- to study hybrid ecal
- confirmation of our last result

I am trying to use:

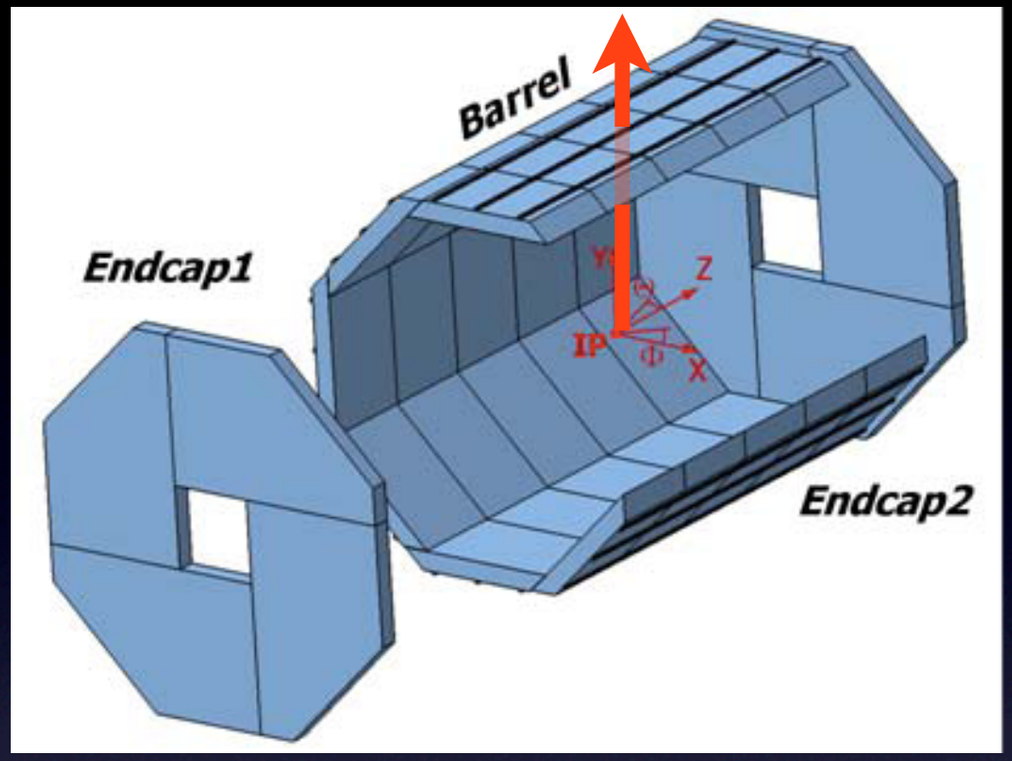
- Latest Mokka, mokka-07-05
  - implemented scintillator strips
  - realistic geometry (MPPC, Fiber, board,..)
- PandoraPFANew
  - easier tuning of parameters
- D. Jeans' Splitter module
  - for Si-Sc hybrid Ecal
  - Lighter than my version

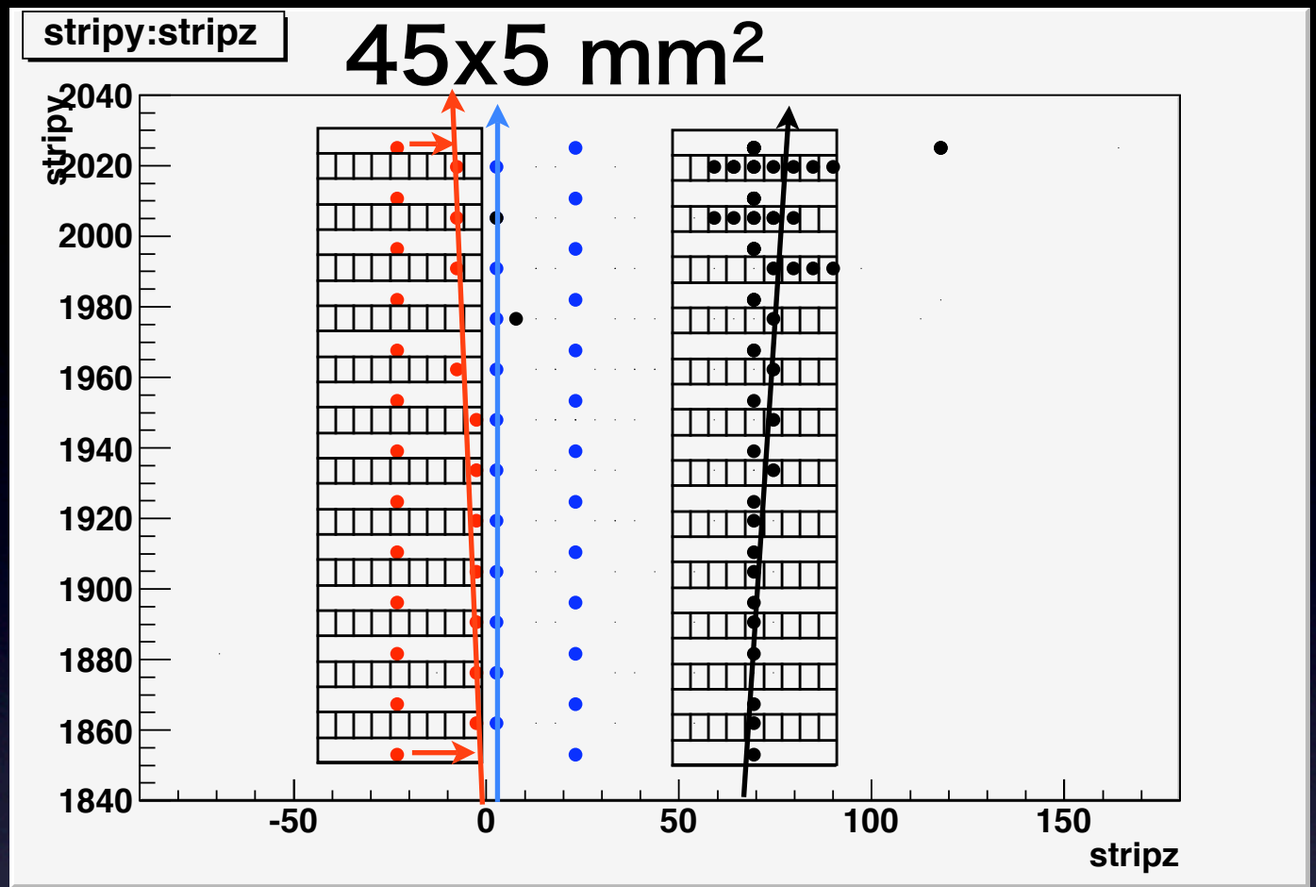
There were some technical problems.
,like misunderstanding mean of parameter, ...

degraded JERs are from them

As the first step, I will just show how those combination works on mip events.

500GeV mu+ 3 events



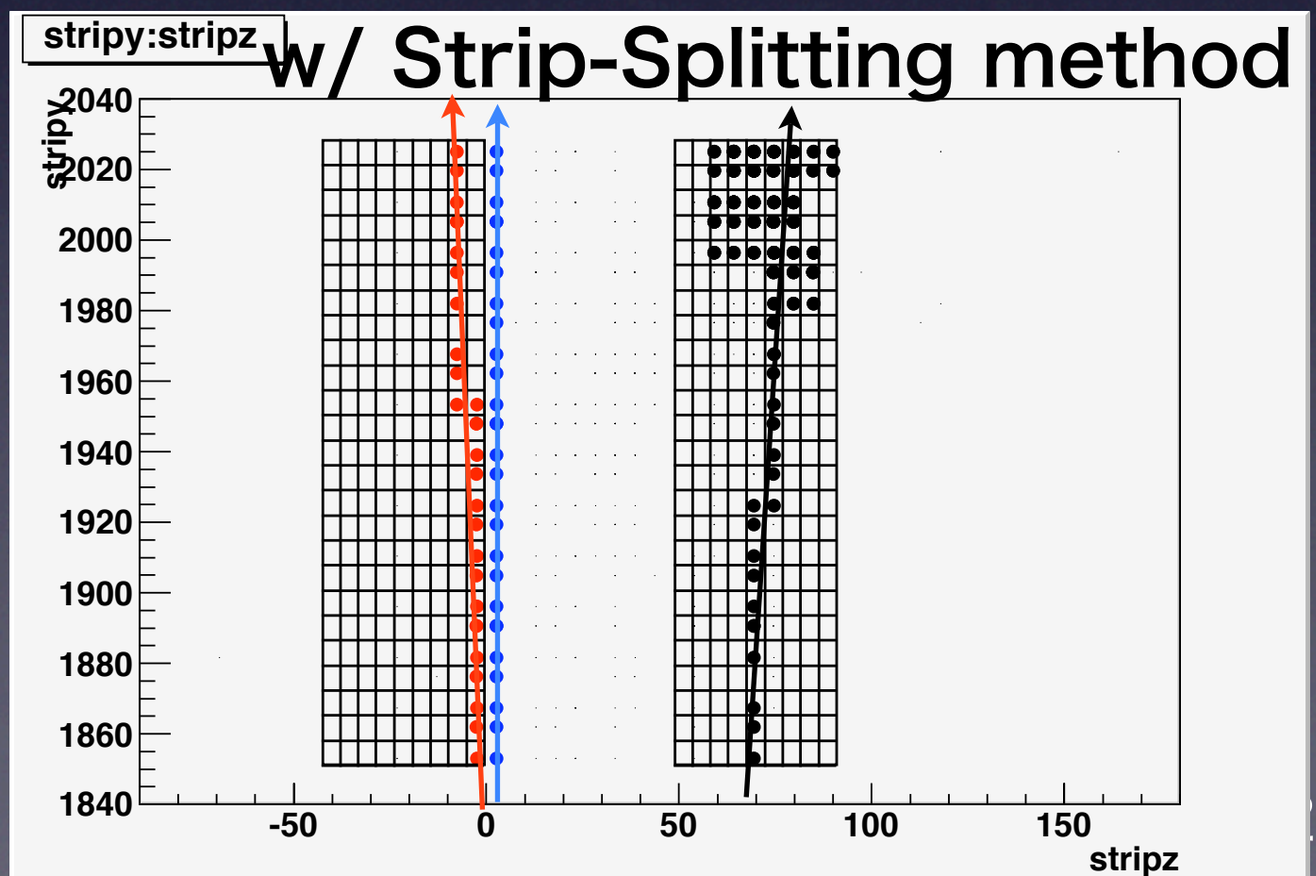


Check those setting,

- -PandoraPFANew
- -Mokka v07-05
- -Daniel's Splitter

For muon track

- -Two-track like event is collected in one (blue and red.
- -A shower shape is reconstructed (black)



Status

- Some reasons bringing degradation to the result with using new combination of software were removed
- Now I am on the start point to use new combination of software to develop strip clustering method.