

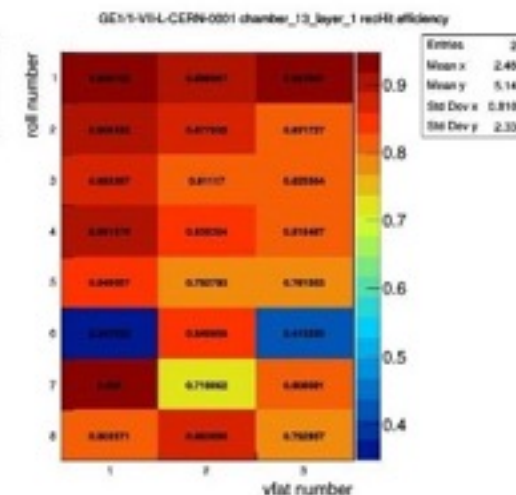
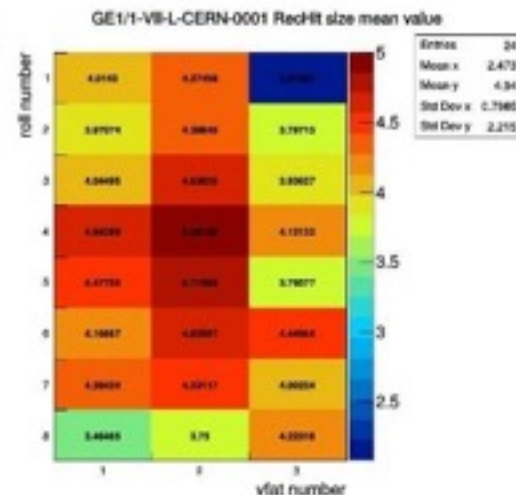
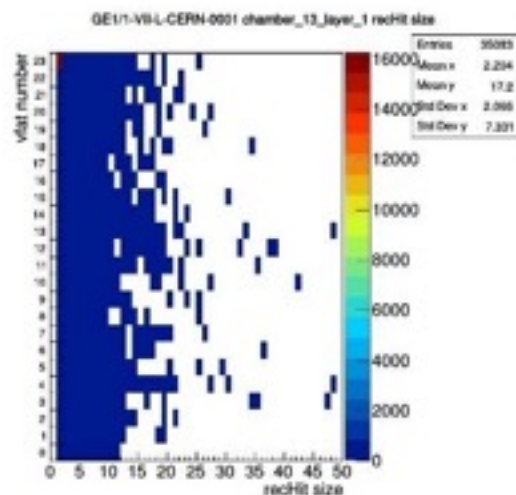
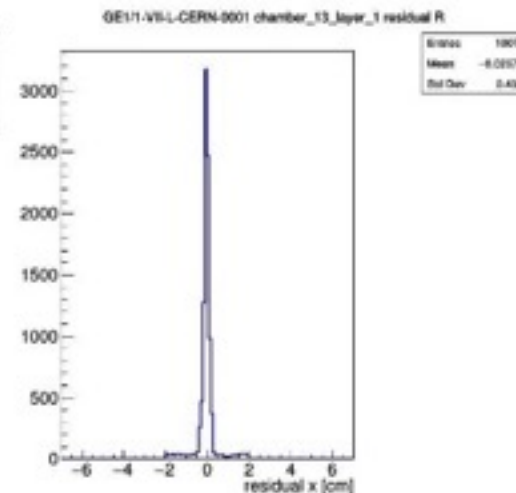
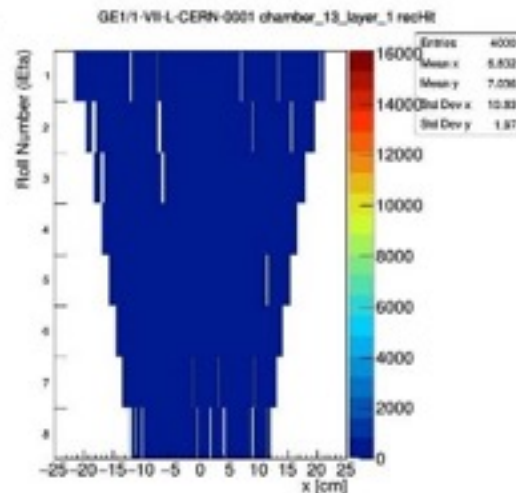
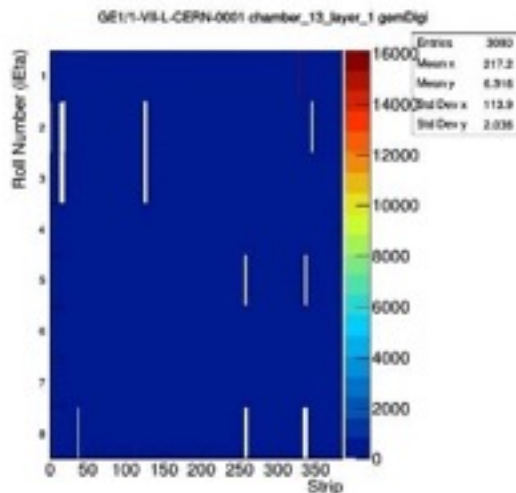
DPG Urgent Tasks (Dec 2016)

- ❖ **Cosmic Ray Test** - One of critical paths to Slice Test. Forming a prompt feedback team (students whom working with Brian, plus Hyunyong and Jason) for CR data analysis to determine the efficiency at a good accuracy. First look at Run000006 on Dec.2. Jason's instruction twiki: <https://twiki.cern.ch/twiki/bin/viewauth/CMS/GEMCosmicRayAnalysis>

First Look at CERN-0001

GE11-VII-L-CERN-0001

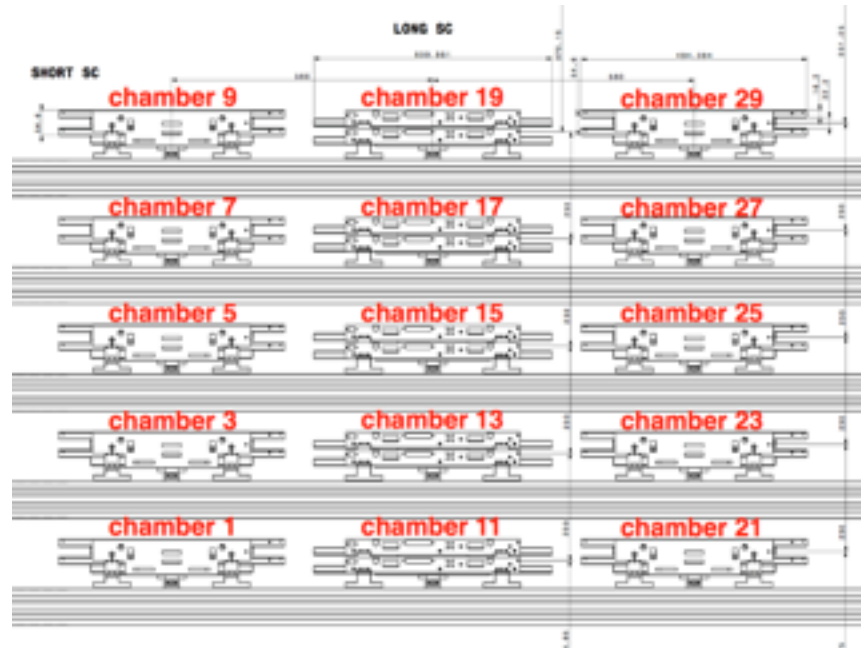
Run000006, Dec 2



Cosmic Ray Data Analysis Package

Deliverable: Efficiency per η sector

Jason's instruction twiki: <https://twiki.cern.ch/twiki/bin/viewauth/CMS/GEMCosmicRayAnalysis>

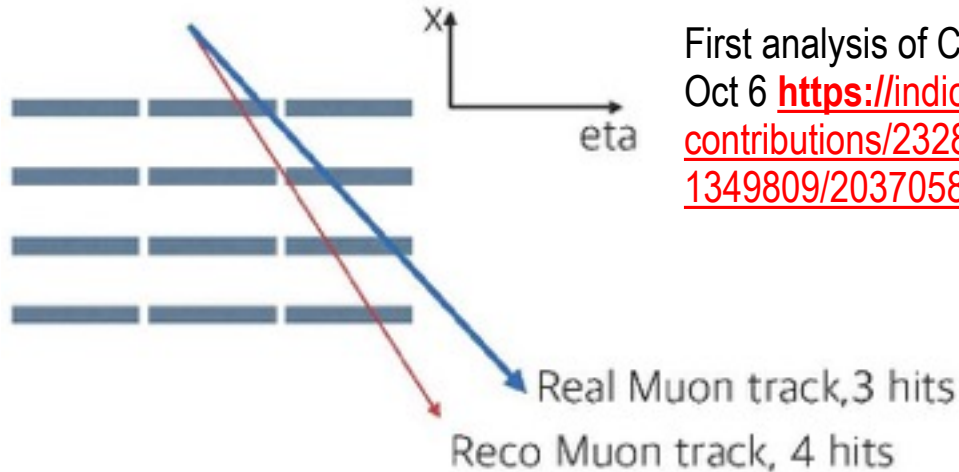
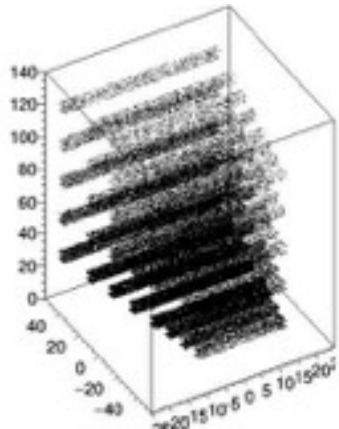


The package is flexible enough for any chamber configuration.

Cosmic Ray Data Analysis Package

Deliverable: Efficiency per η sector

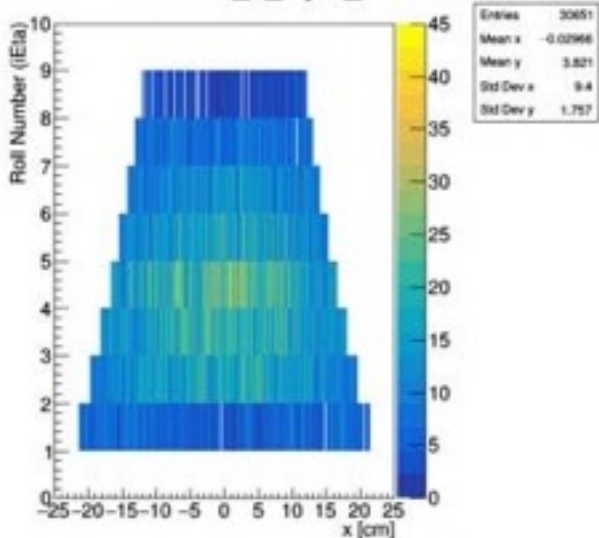
Jason's instruction twiki: <https://twiki.cern.ch/twiki/bin/viewauth/CMS/GEMCosmicRayAnalysis>



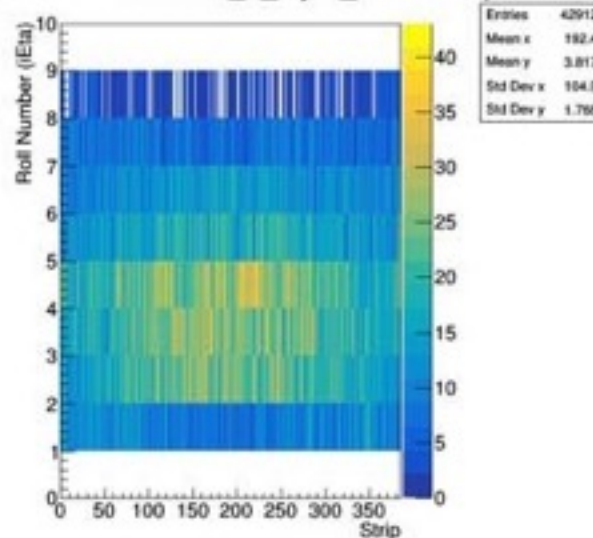
First analysis of Cosmic Ray data by Hyunyoung on Oct 6 <https://indico.cern.ch/event/573693/contributions/2328628/attachments/1349809/2037058/gemcr06OCT.pdf>

The package is flexible enough for any chamber configuration.

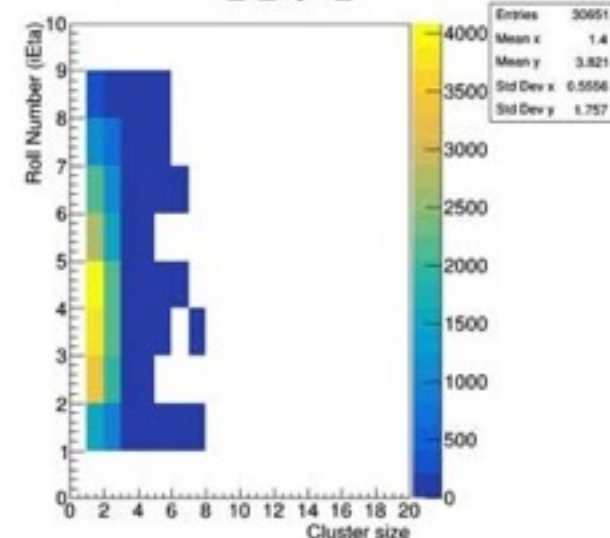
chamber_1_layer_1 x vs roll



chamber_1_layer_1 fired strip



chamber_1_layer_1 cluster size



Cosmic Ray Data Analysis Package

Deliverable: Efficiency per η sector

Jason's instruction twiki: <https://twiki.cern.ch/twiki/bin/viewauth/CMS/GEMCosmicRayAnalysis>

GE1/1-VII-L-CERN-0001 chamber_13_layer_1 rechHit efficiency

First analysis of Cosmic Ray data by Hyunyong on Dec 2

