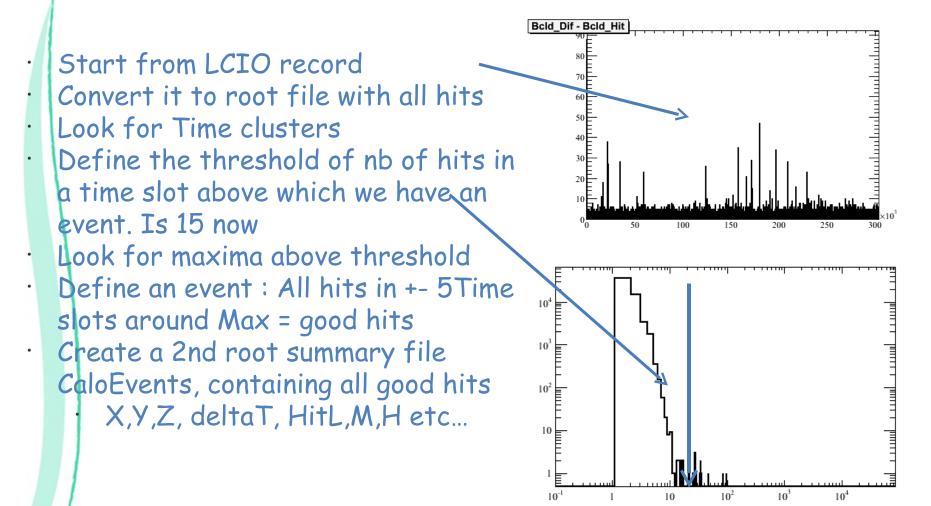
### Analyse Muons 100 GeV run 714408

### Yannis, Max et Jean



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### Create "Events"

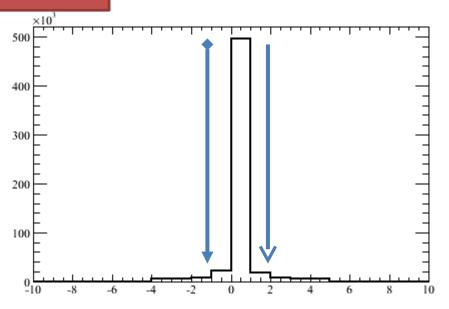


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# Timing Cut

Working from now on only on CaloEvents root files

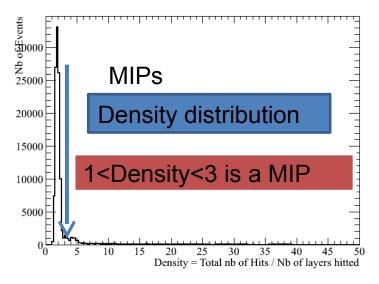
10



Tmax – Time All Event Hits

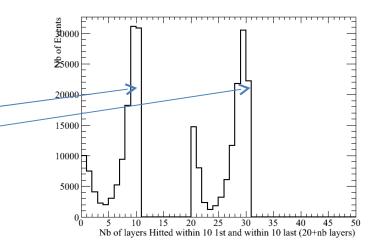
Take +-1 RPC, +- 2 uMegas slots around T Max, eliminate rest of the hits 6/27/12

# Look for MIPs

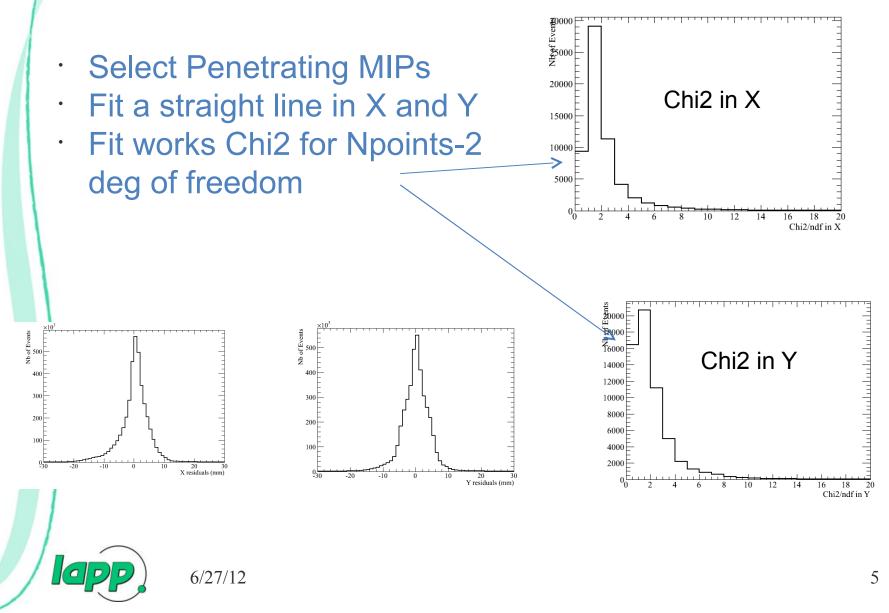


#### **Density = Nb of Hits / Nb of Layers**

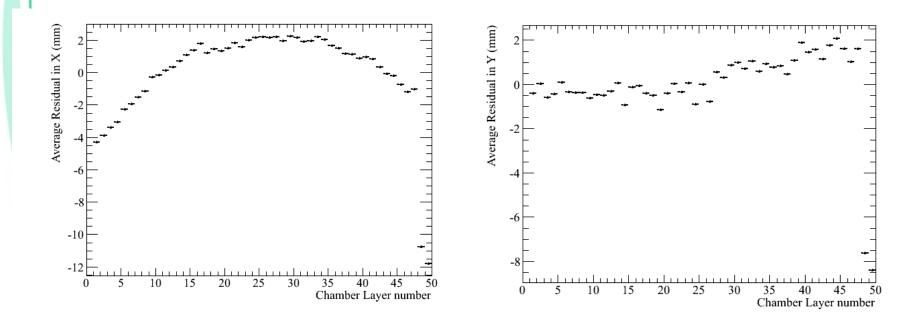
- · Select MIPs
- Nb of Hit Layers within the first 10-
- Nb of Hit Layers within last 10 –
- Penetrating MIP = 6 Layers / 10
  Forward && 6 Layers / 10
  Backward



### **Penetrating MIPs**

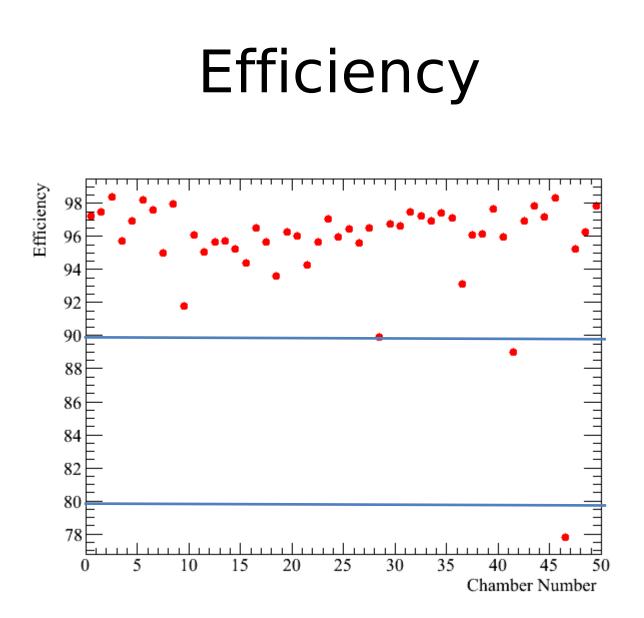


## Average Residuals per layer



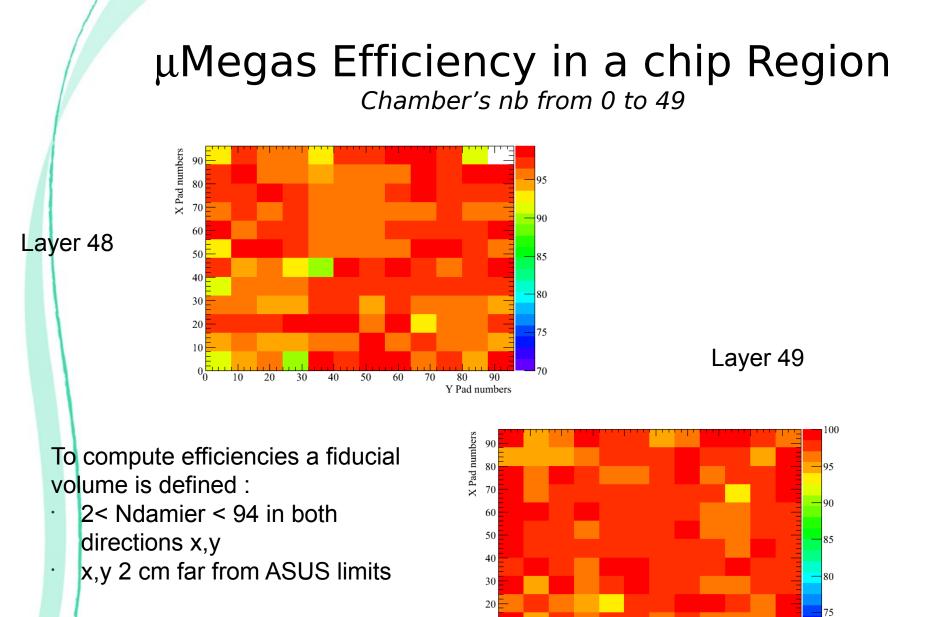
6/27/12

10



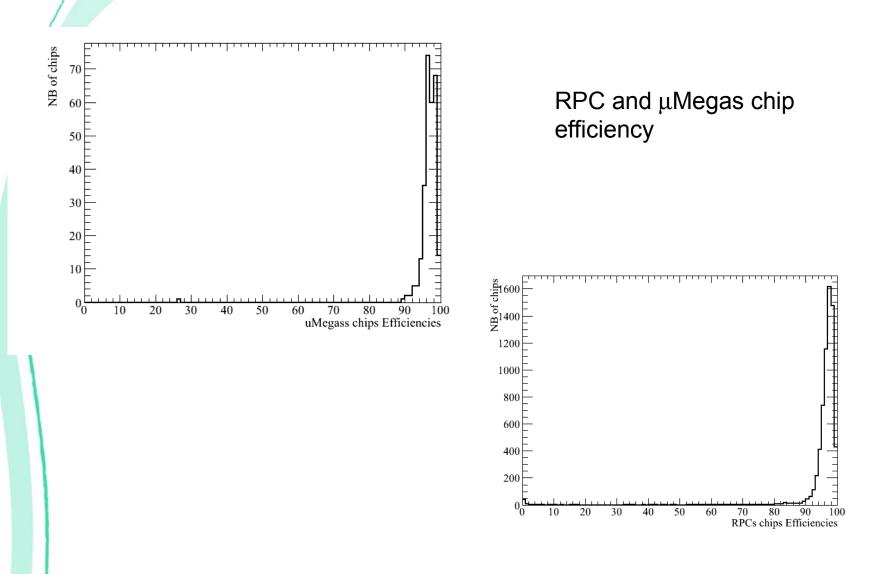
lapp)

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Y Pad numbers

(0

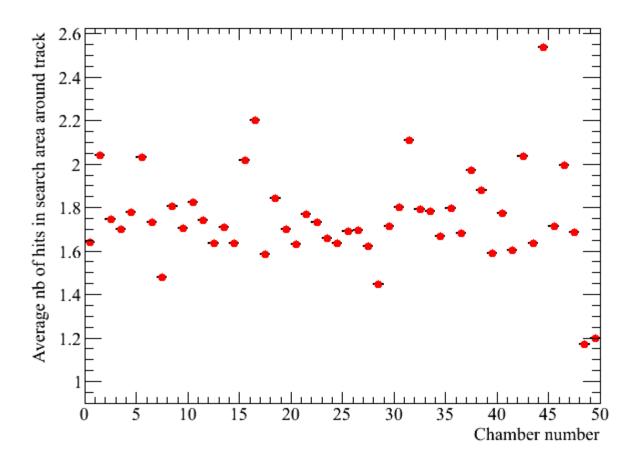




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# Multiplicity

Nb of Hits in 7x7 cm around track





### Conclusion

Globally the Calorimeter works very well Fine details have to be understood the next weeks Hadronic shower analysis to be done.



