

Cosmic data

Chao Peng

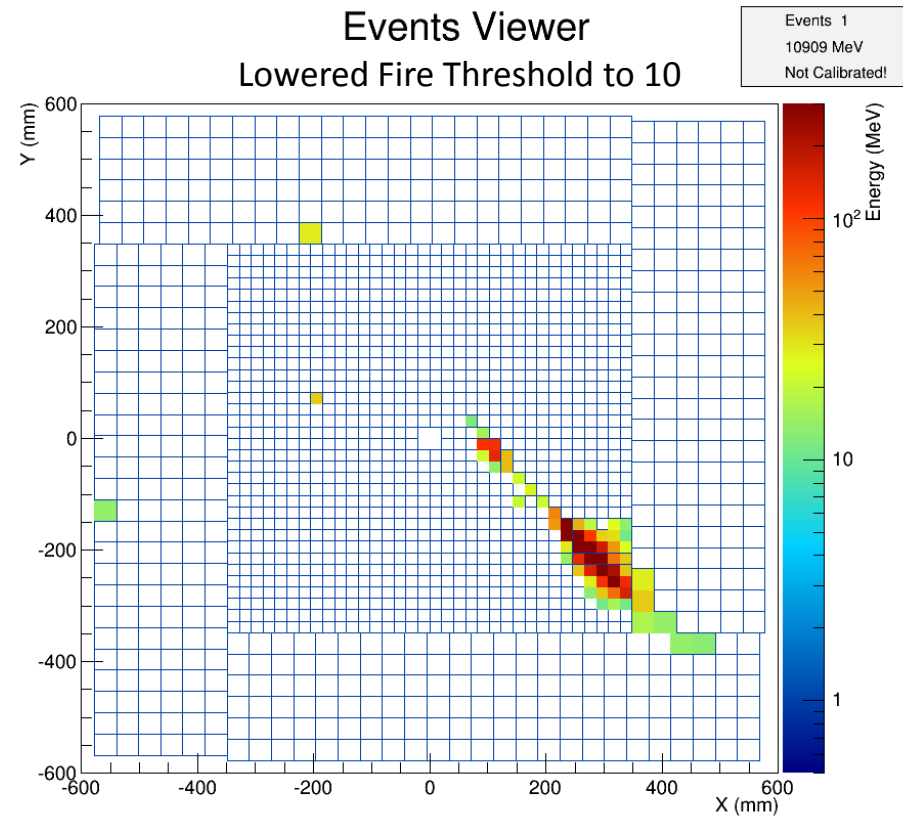
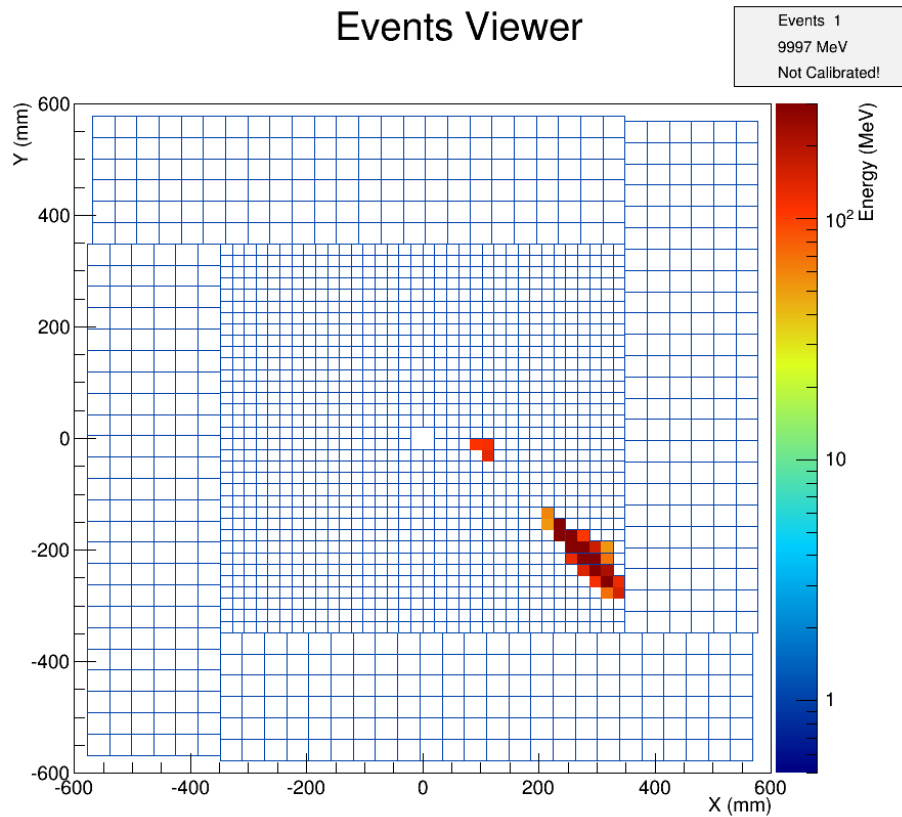
12/05/2014

Cosmic data

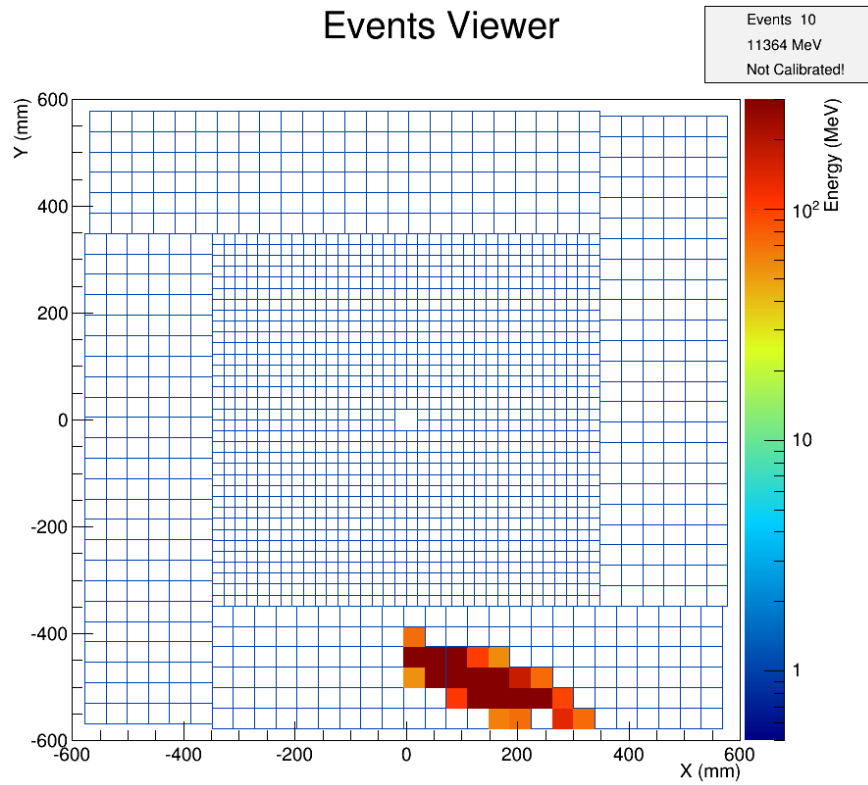
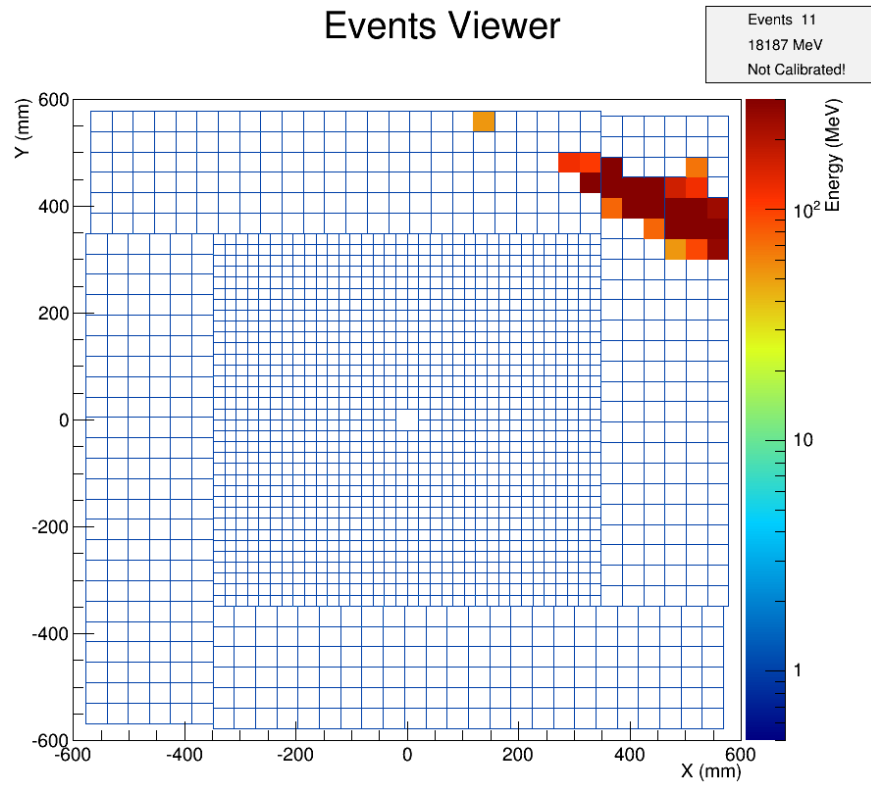
- Trigger: total sum of trigger groups with a high threshold (> 0.8 V)
- 1.5 hours of data-taking
- Pedestal data had been taken just before the cosmic run
- Analysis, channel is fired if:
 - Value – mean value of pedestal peak > 50

Cosmic data

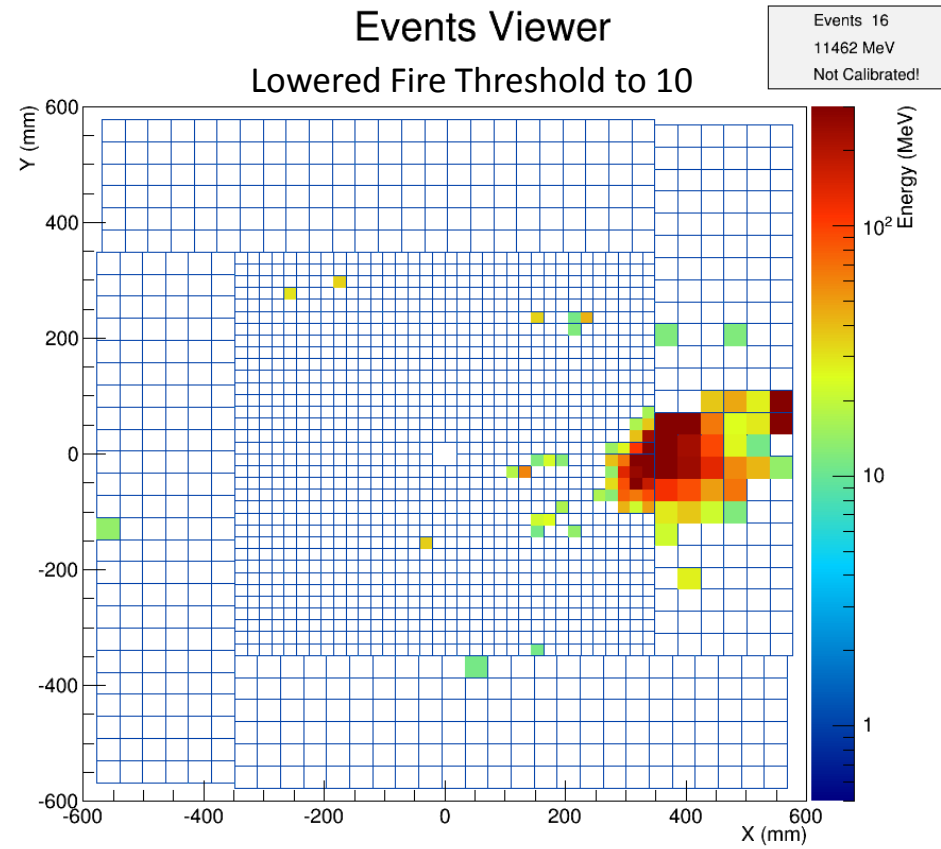
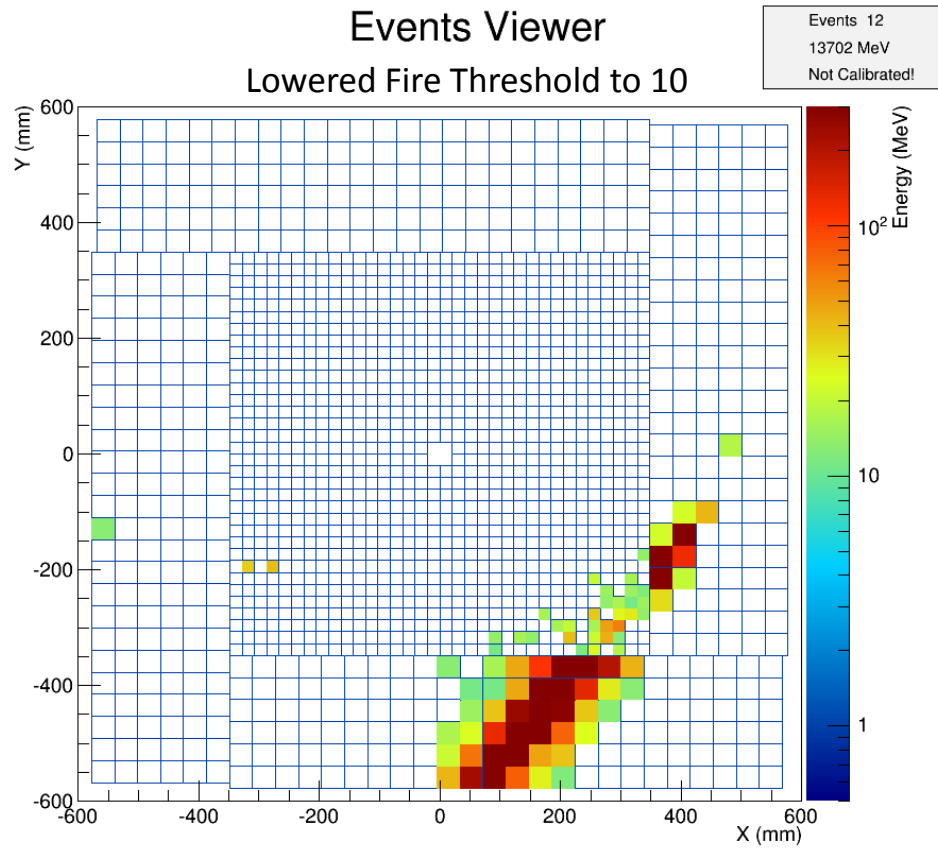
- Some plots from data analysis



Cosmic data

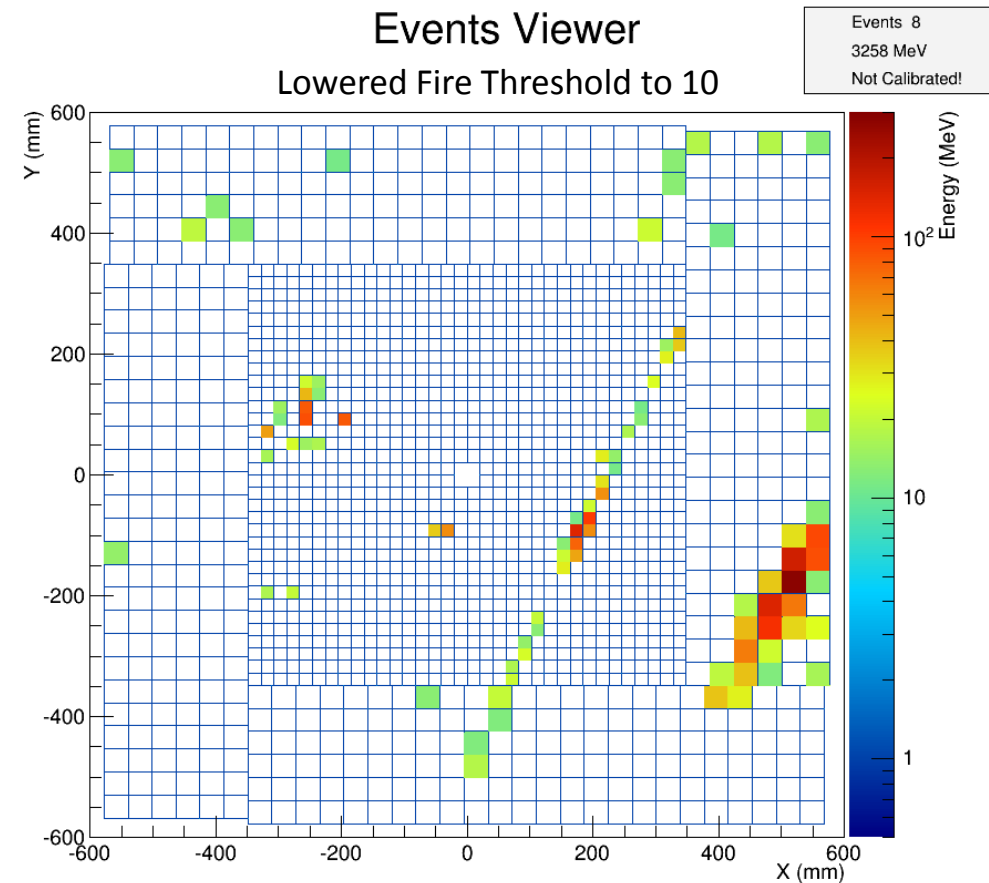
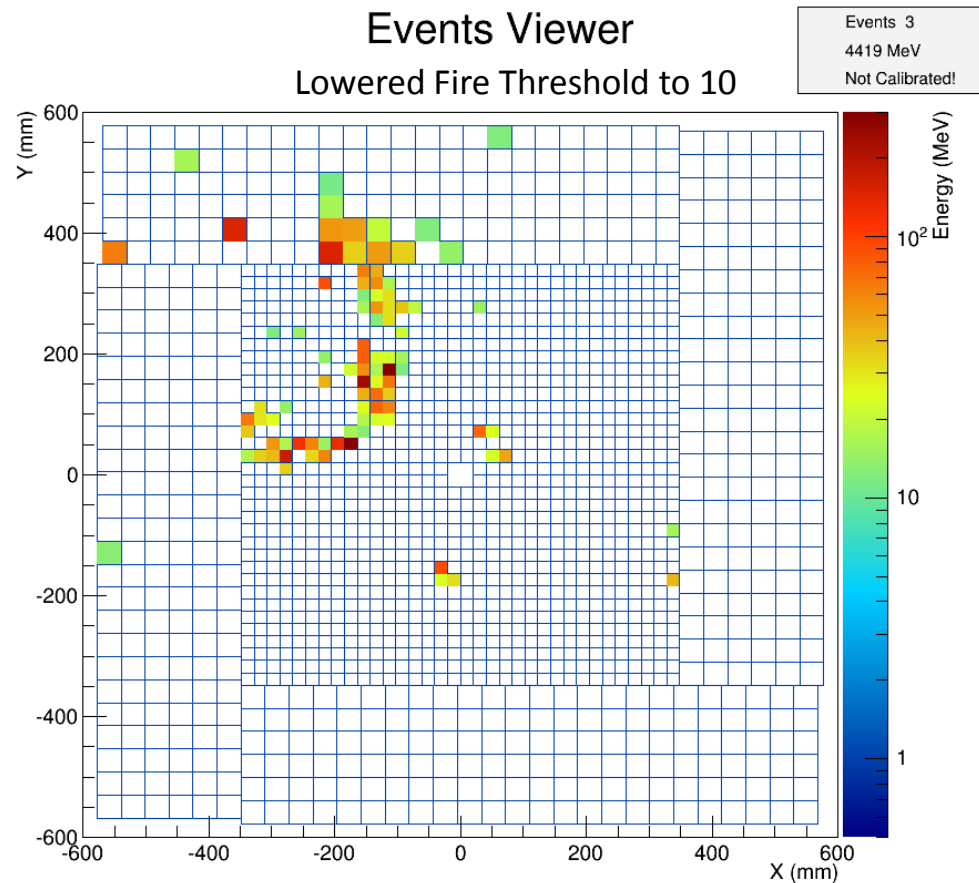


Cosmic data



Cosmic data

- Some messy events (discharge?)



Discharge problem

- There are a lot of events with just one channel fired
- The fired channel has an extremely high integrated charge (reach the upper limit of ADC value: 16383)
- This might be the result of discharge