

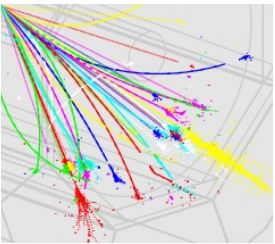
CALICE Meeting

RAL 29.07.2008

M. Stanitzki



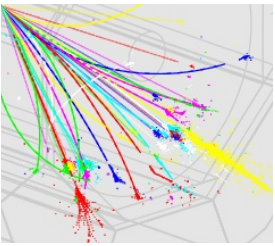
The Laser runs



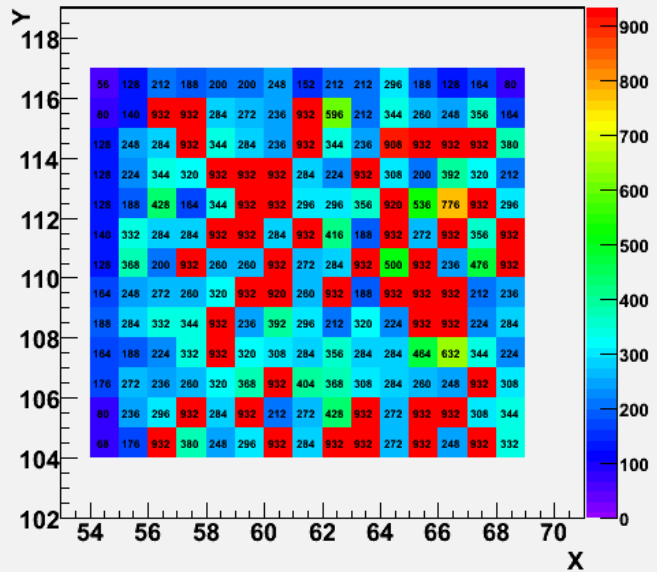
- Took a run with the Laser
 - Illuminating around 100x100 pixels
 - Varied intensities (100%, 75 %, 50%)
 - Owen kindly processed the data



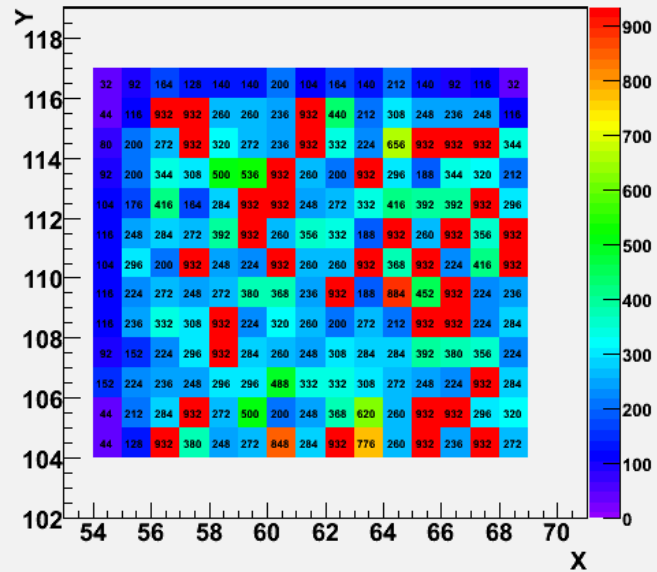
Some plots



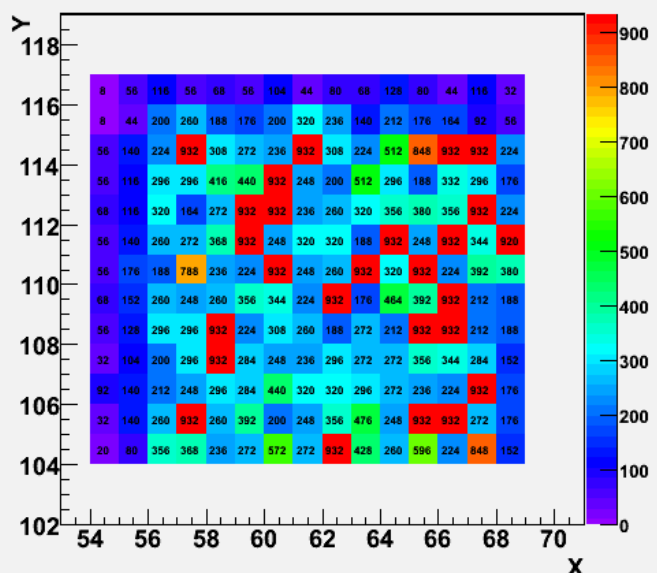
100 % Intensity



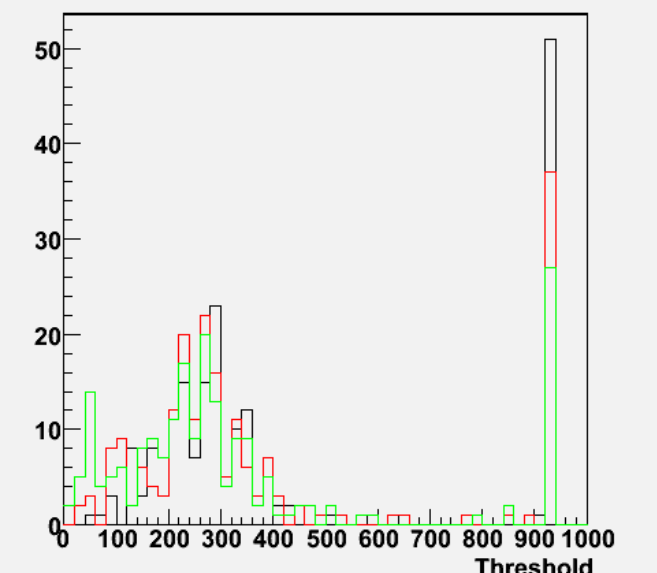
75 % Intensity



50 % Intensity

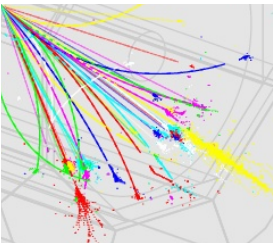


signal cutoff

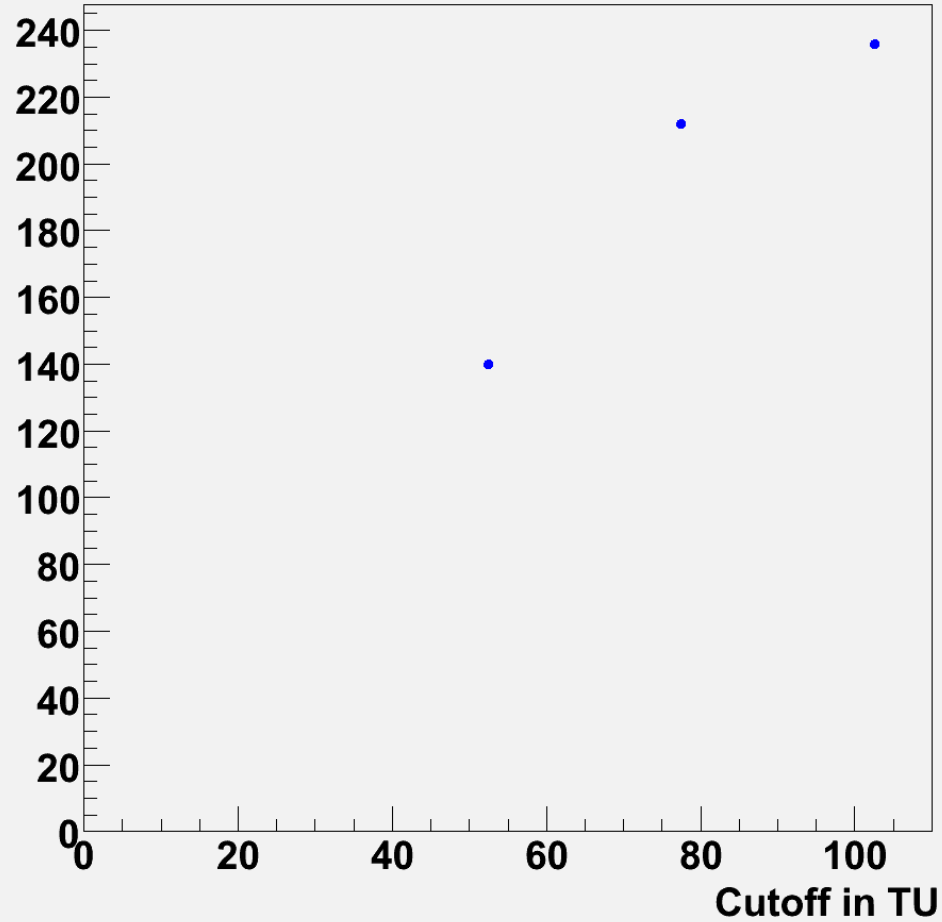


100 %
75 %
50 %

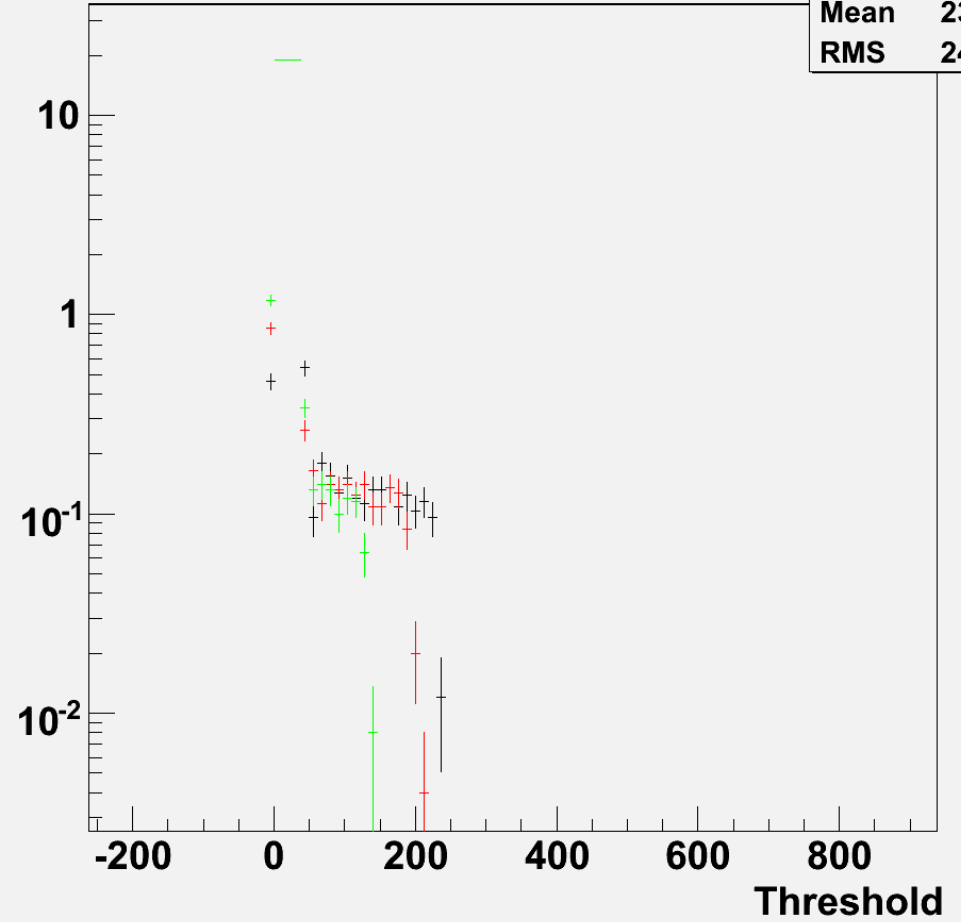
Some individual pixels



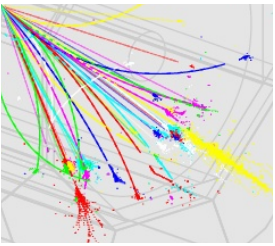
Pixel_55_105



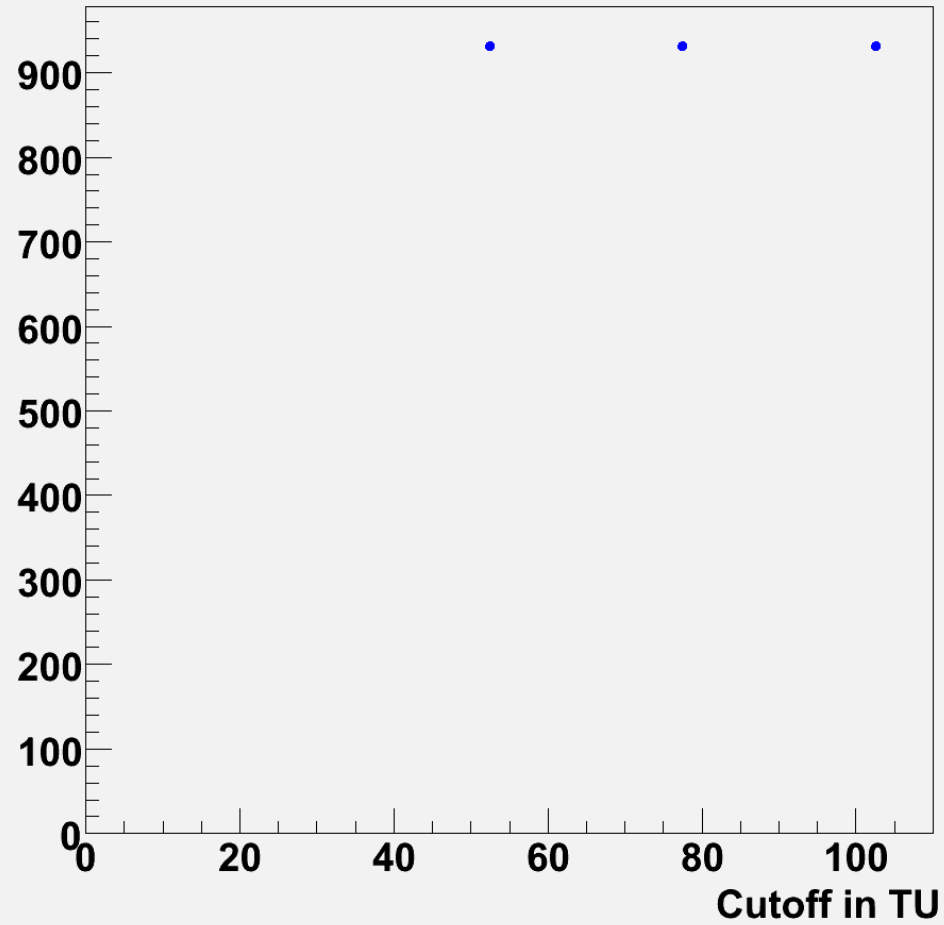
Run 463217, column 55, row 105, Number of words vs Sensor 18, Threshold



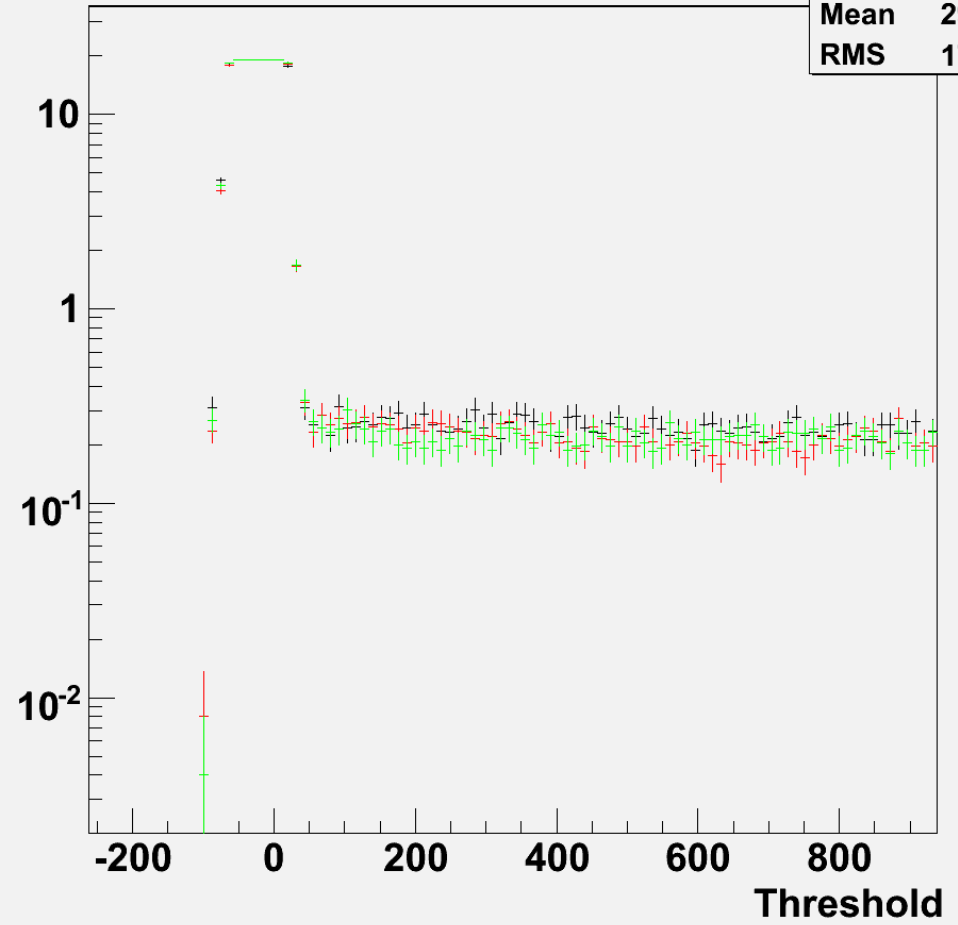
More ..



Pixel_57_114

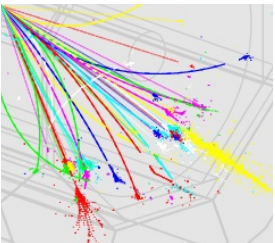


Run 463207, column 57, row 114, Number of words vs Sensor 18, Threshold

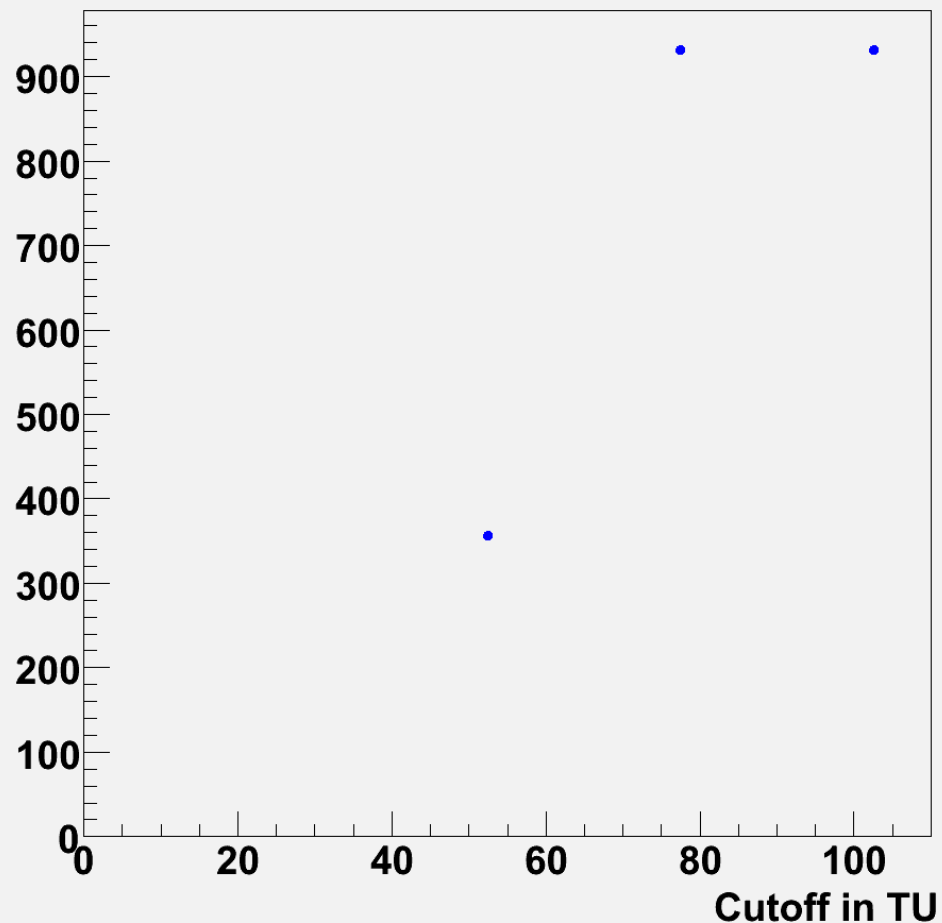


Sensor18column57row114LinProfile	
Entries	100
Mean	29.62
RMS	177.4

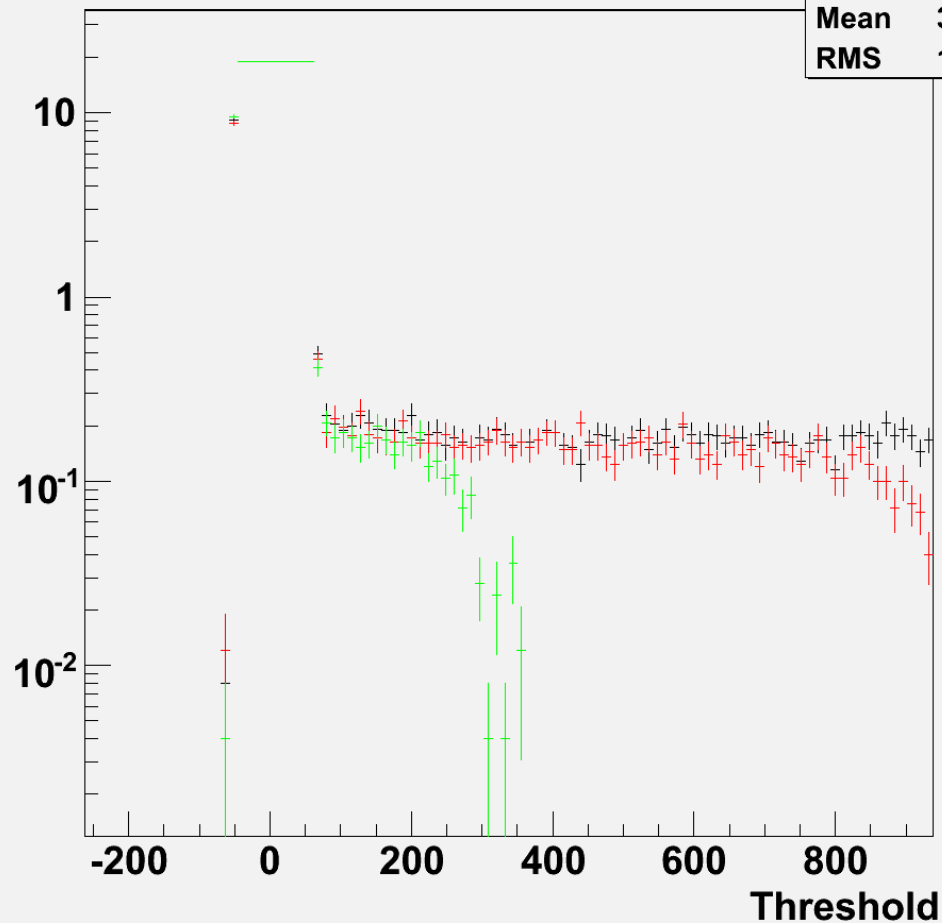
More ...



Pixel_56_104

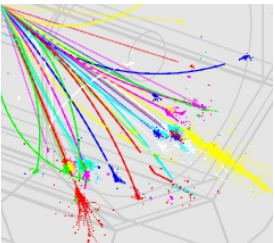


Run 463224, column 56, row 104, Number of words vs Sensor 18, Threshold

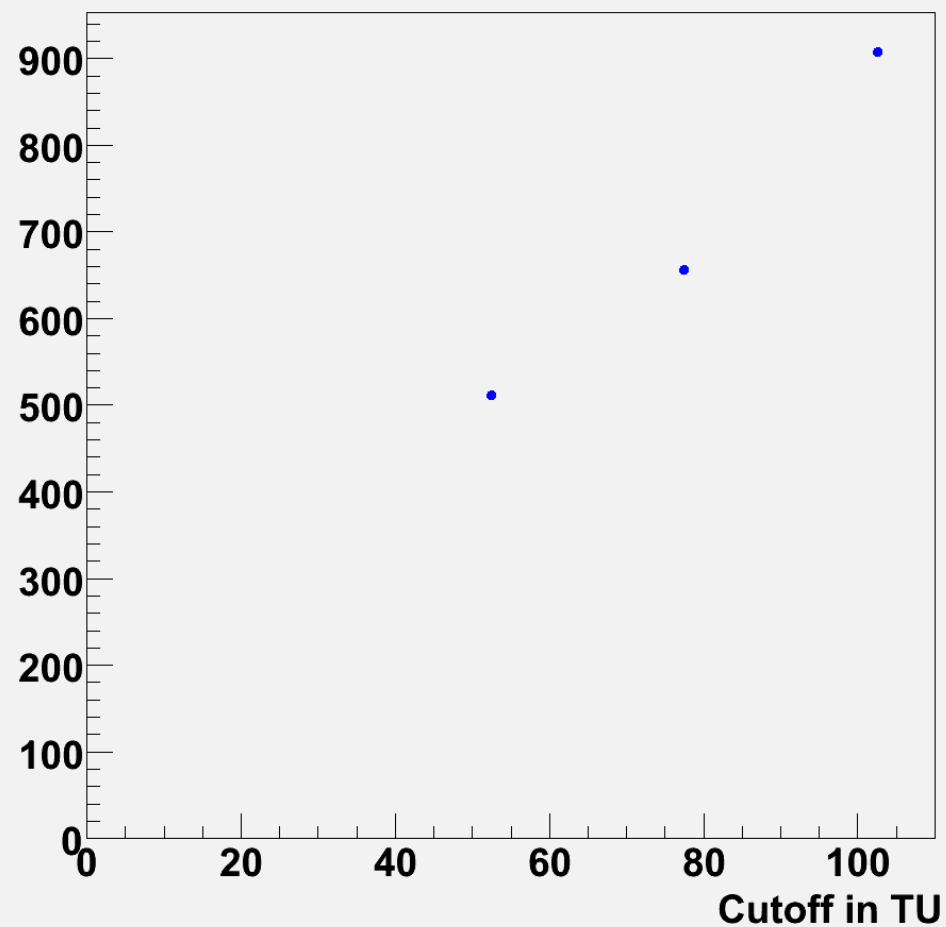


Sensor18column56row104LinProfile	
Entries	100
Mean	36.84
RMS	140.5

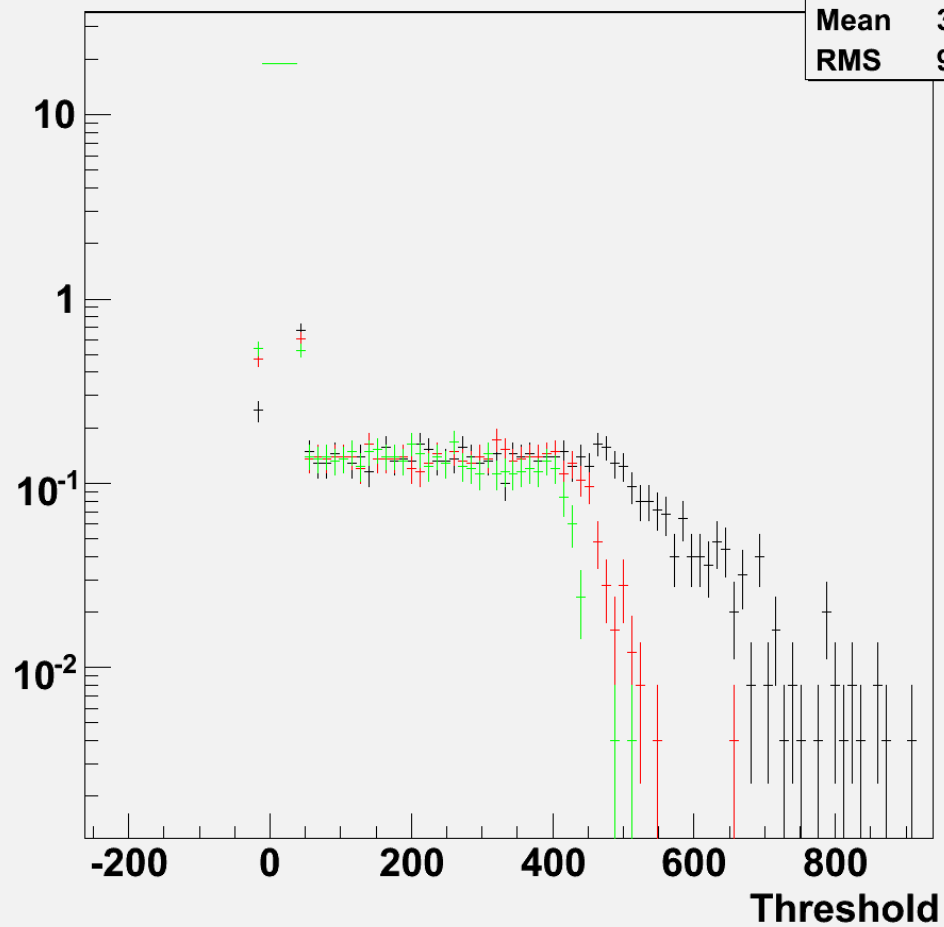
More ...



Pixel_64_114

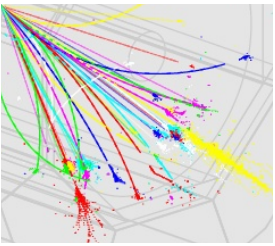


Run 463214, column 64, row 114, Number of words vs Sensor 18, Threshold



Sensor18column64row114LinProfile

Entries	100
Mean	37.27
RMS	94.88

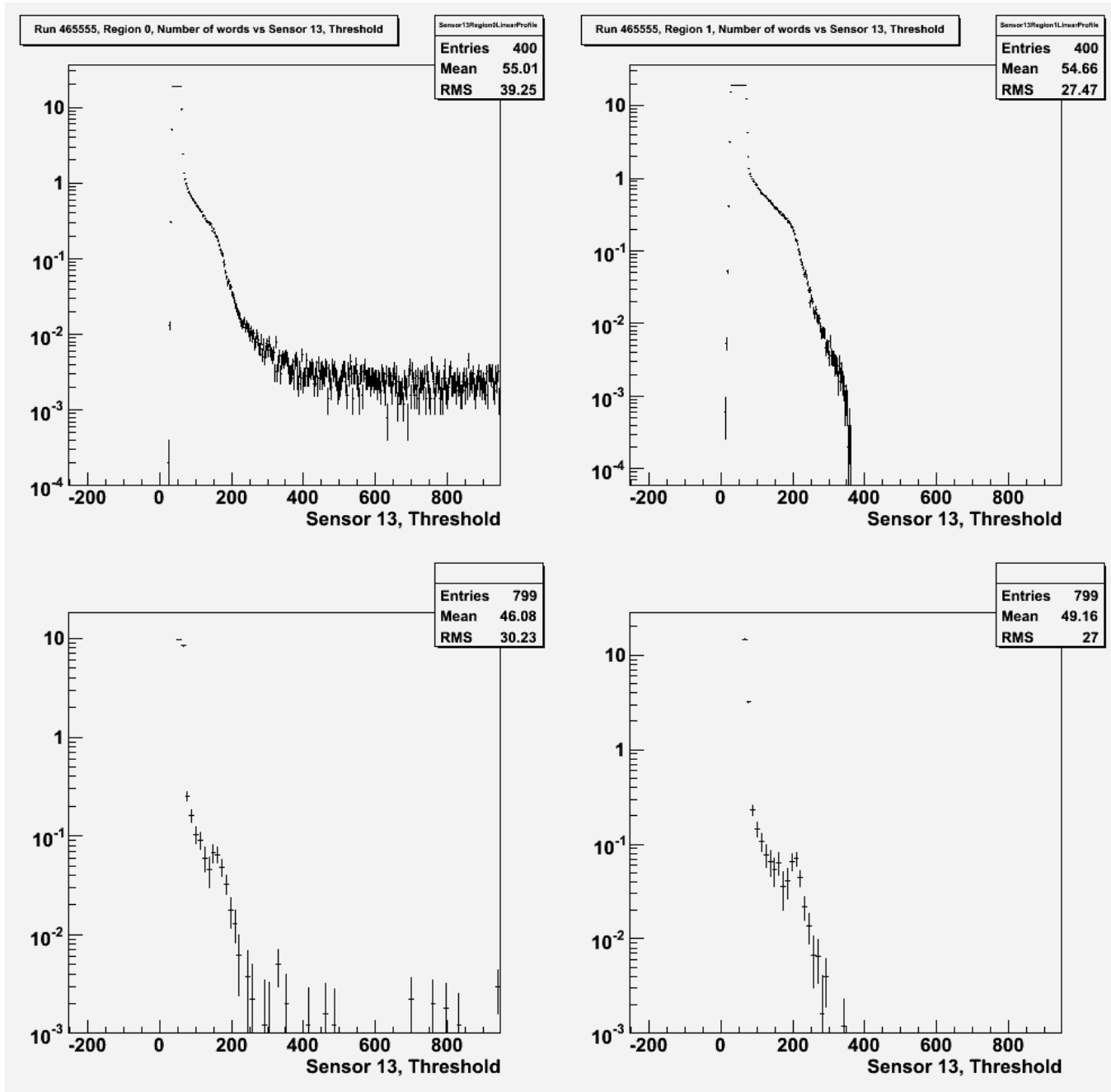
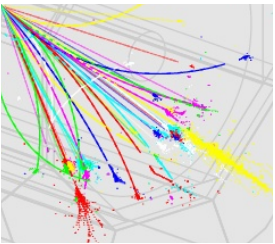


^{55}Fe Runs

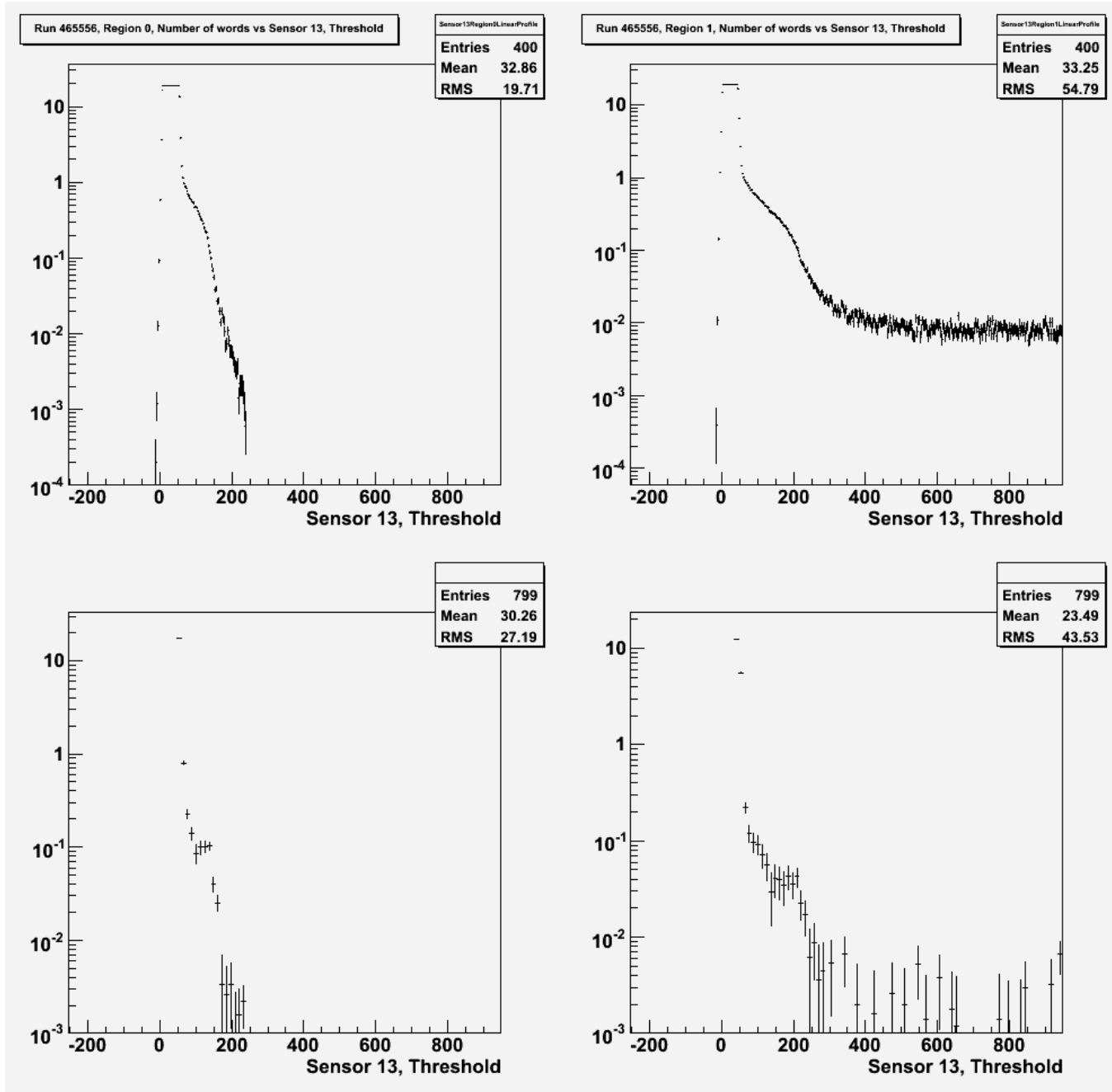
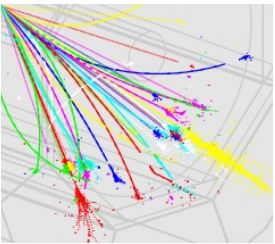
- Using Dom's 2.2 GBcq source
- Using Single Pixel scans only so far
 - Turn on one Pixel per Region ...
 - Predominantly Shapers



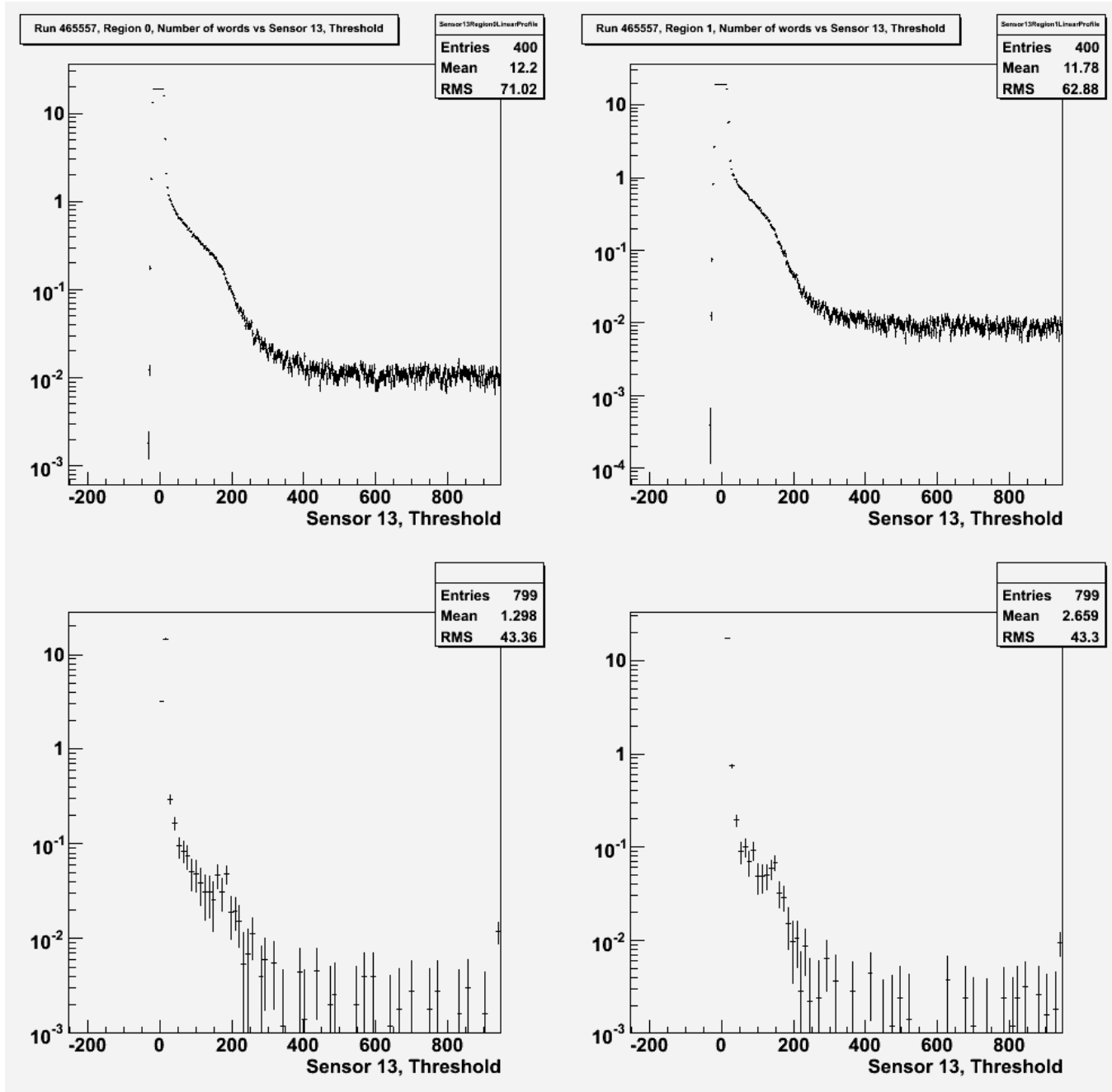
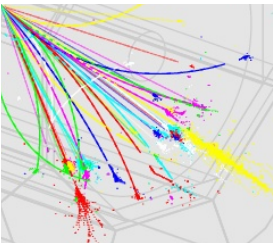
Pixel 21/49 and 45/120



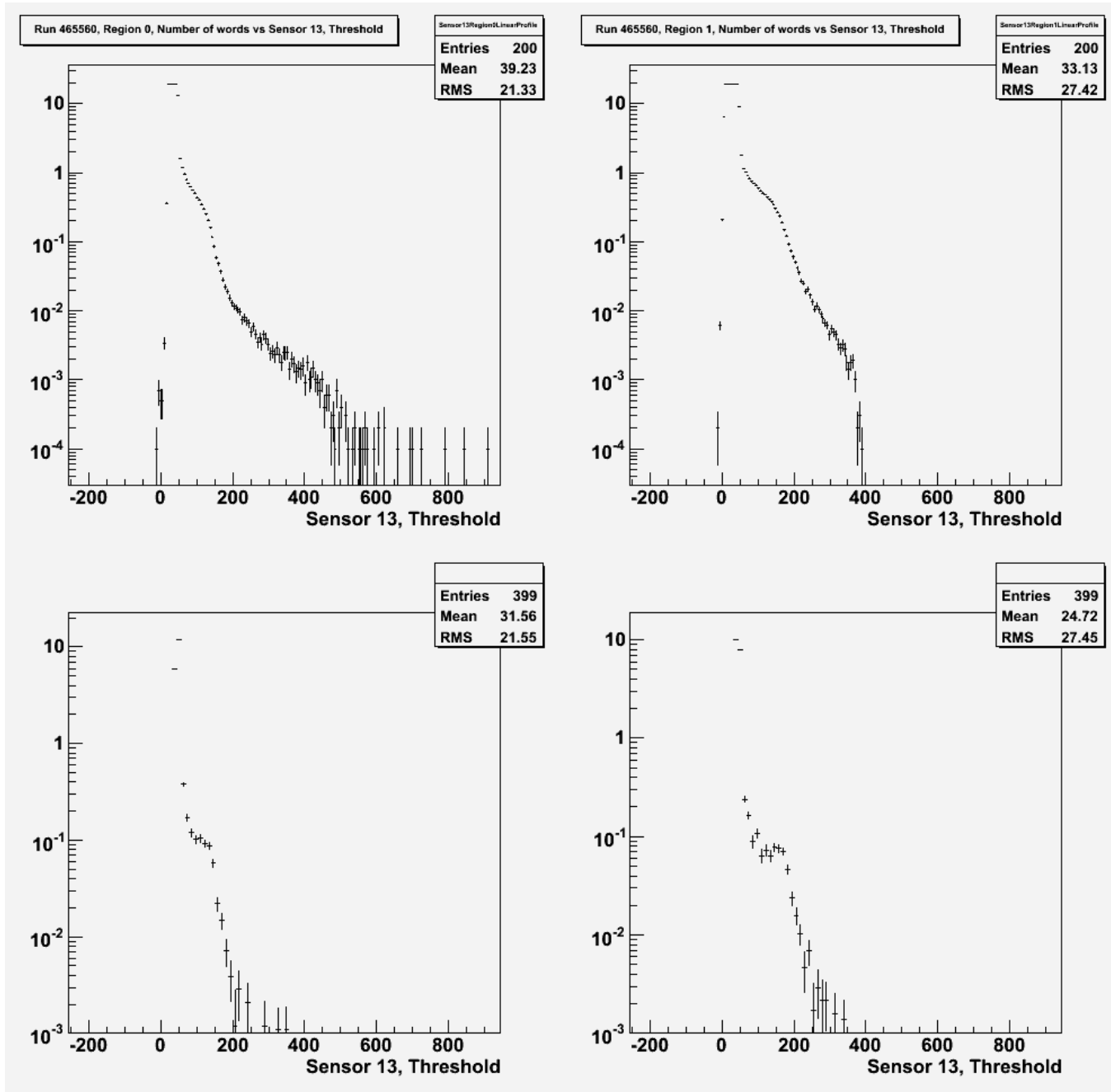
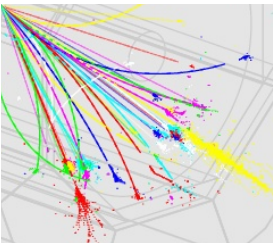
Pixel 31/49 and 45/130



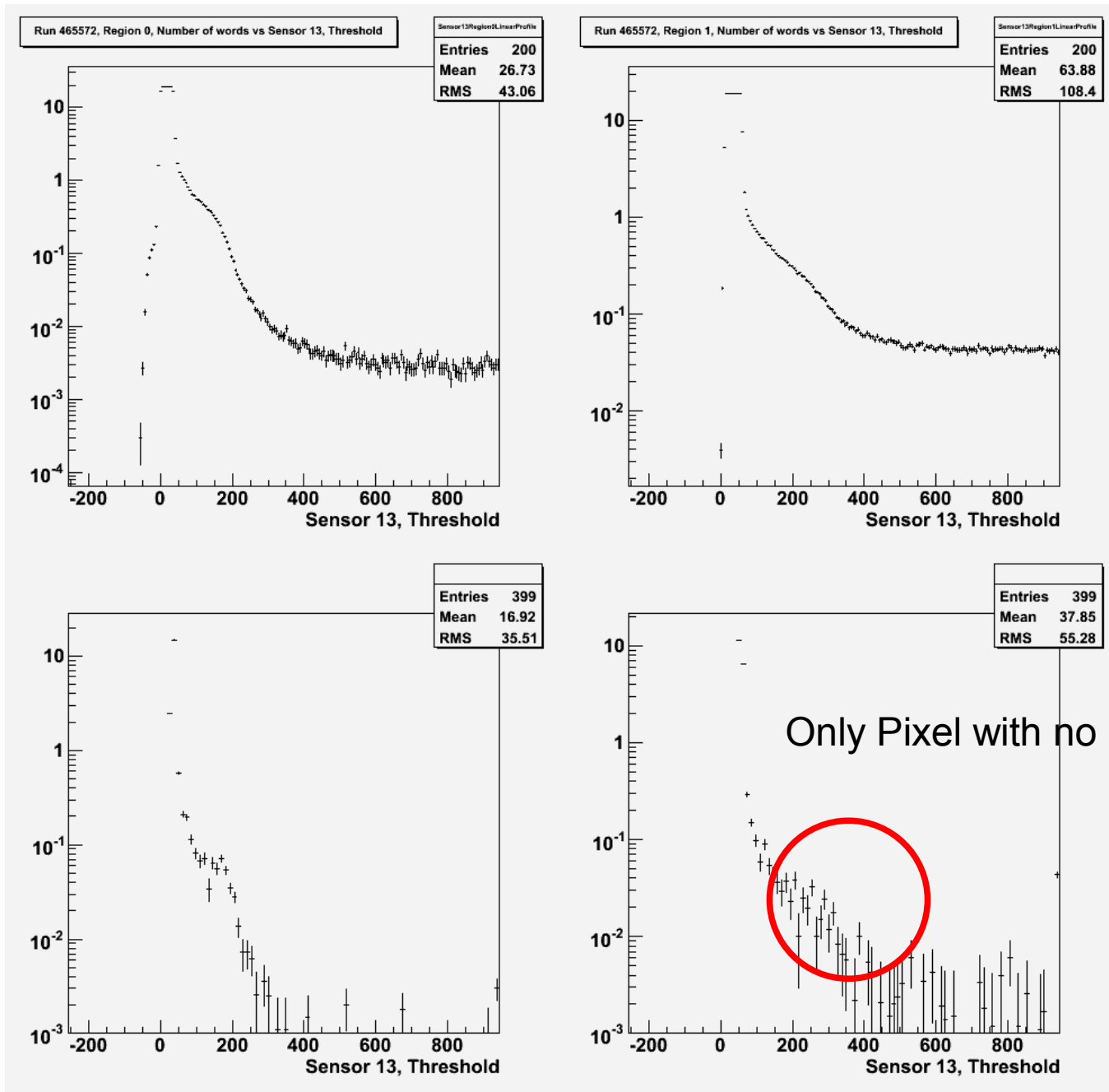
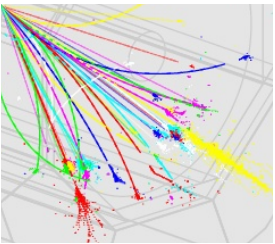
Pixel 11/161 and 52/49



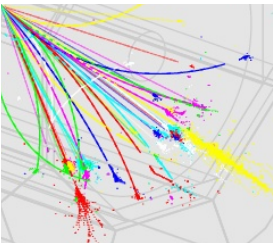
Pixel 0/0 and 42/84



Pixel 2/87 and 50/124



Comments



- We see some spread in the peak location
 - $\sim 10\%$ (by Eye)
- But no massive gain variations
- Need to automate peak finding and fitting
 - Code needs testing ...
- Suggested was a quiet time run to do a pedestal subtraction
 - Can be done quite easily

