



RD51 Test beam (23 June - 7 July 2009)

First Data Analysis (Very preliminary)

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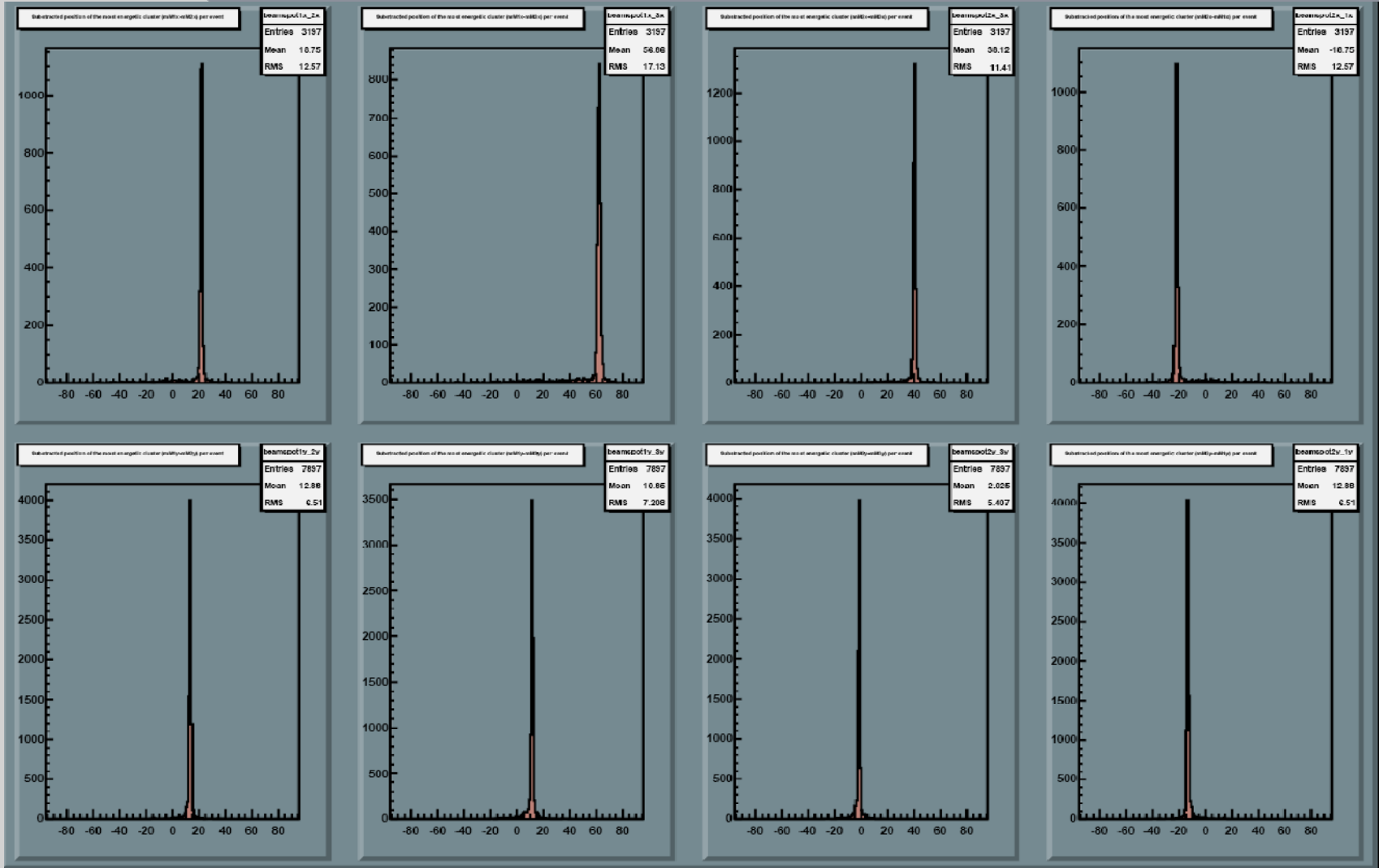
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Zografou Campus, Greece*

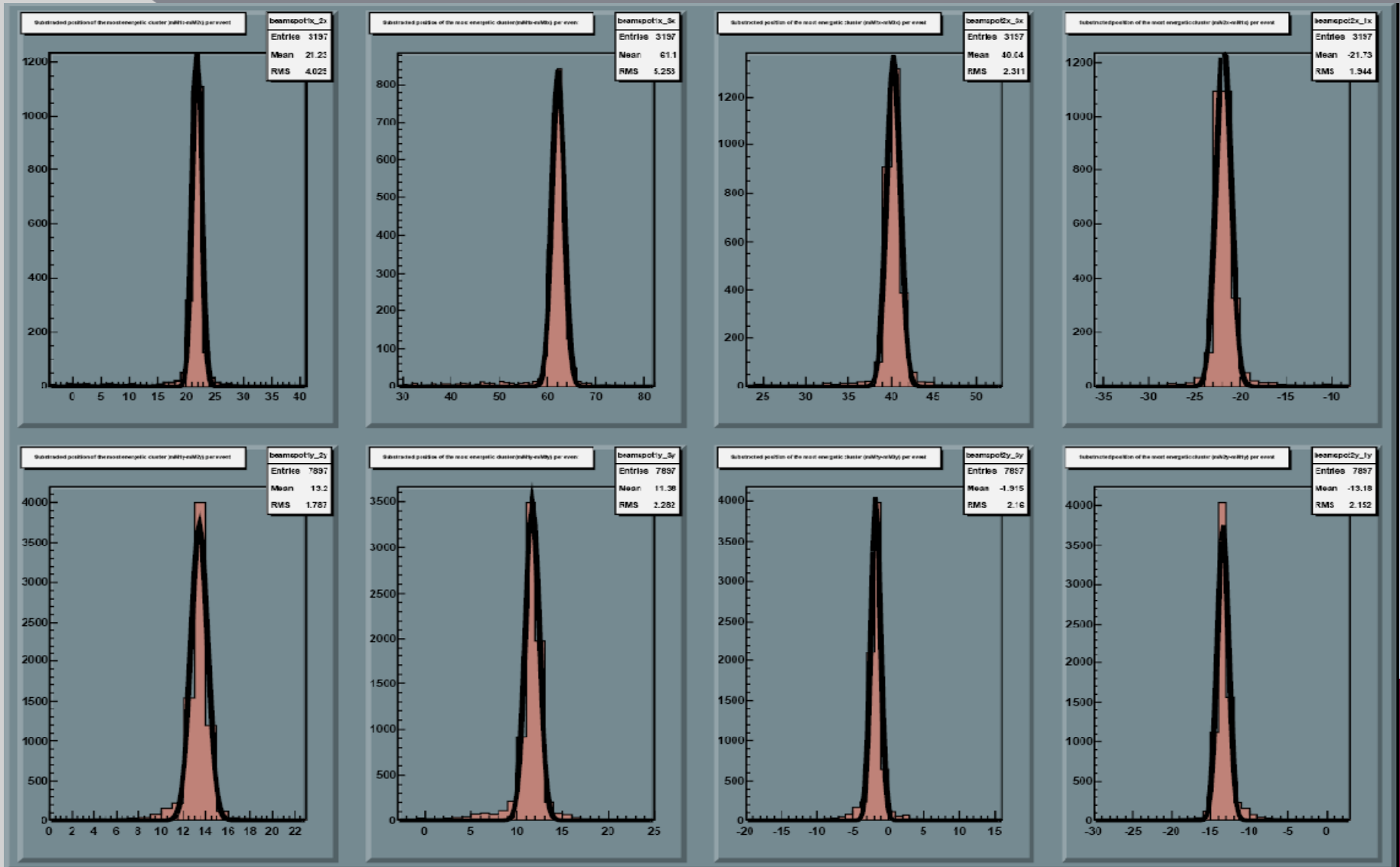
Overview of the clustering

- ⊙ Subtraction of the pedestal run + 3σ
- ⊙ Clustering with gap up to 3 strips
- ⊙ Preliminary results

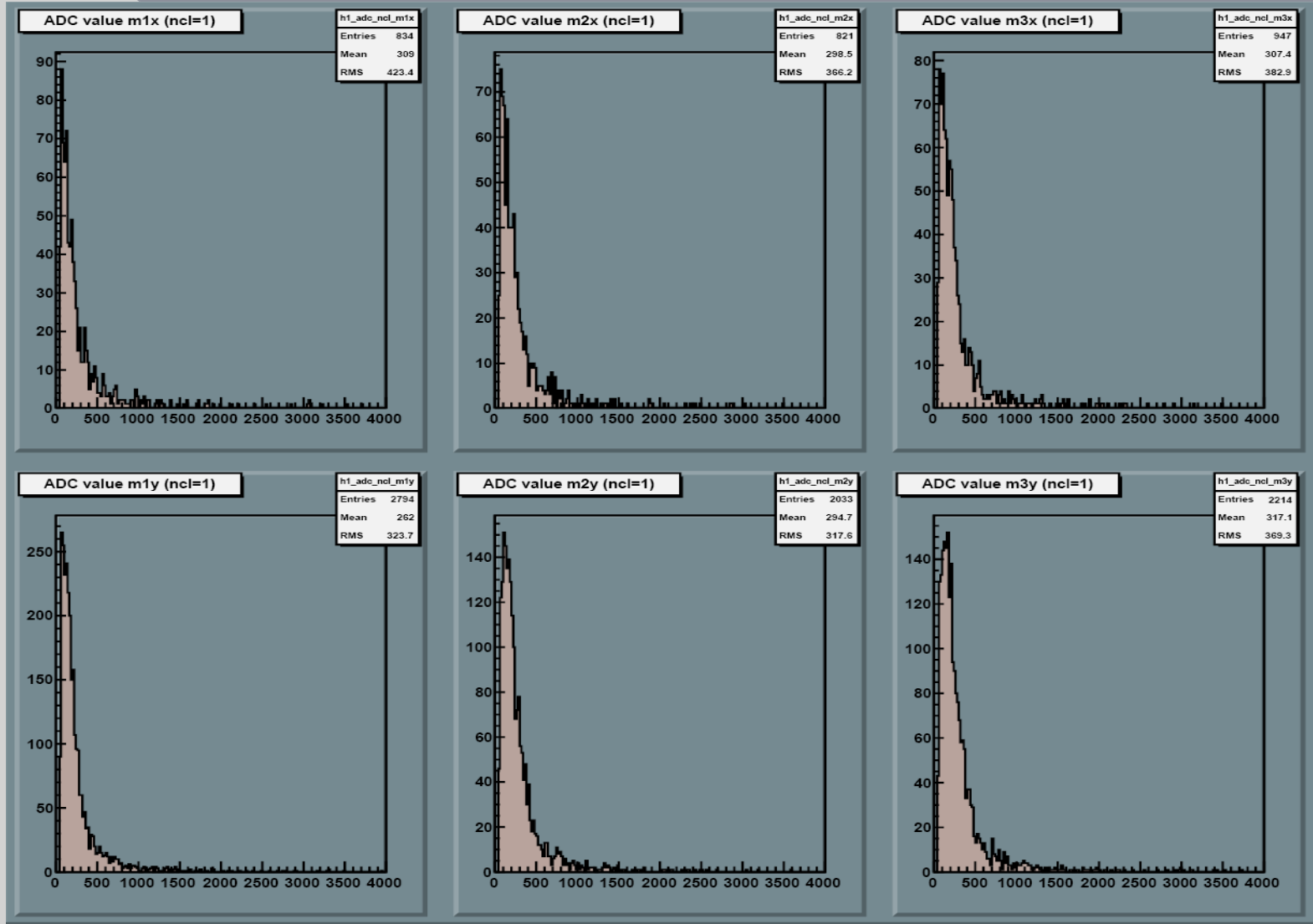
X-Y detectors alignment



X-Y detectors alignment

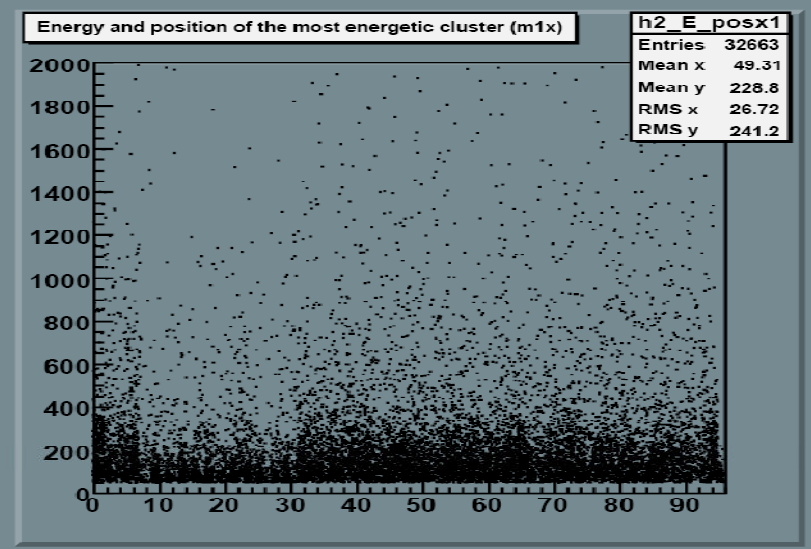
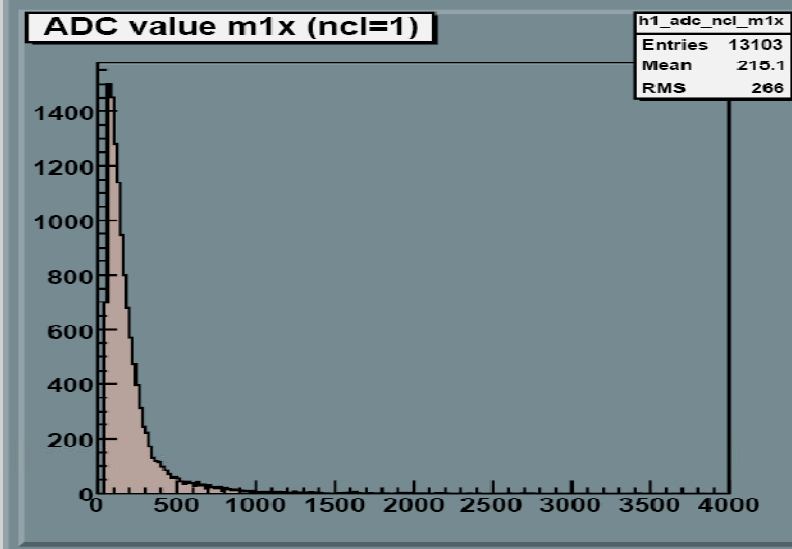
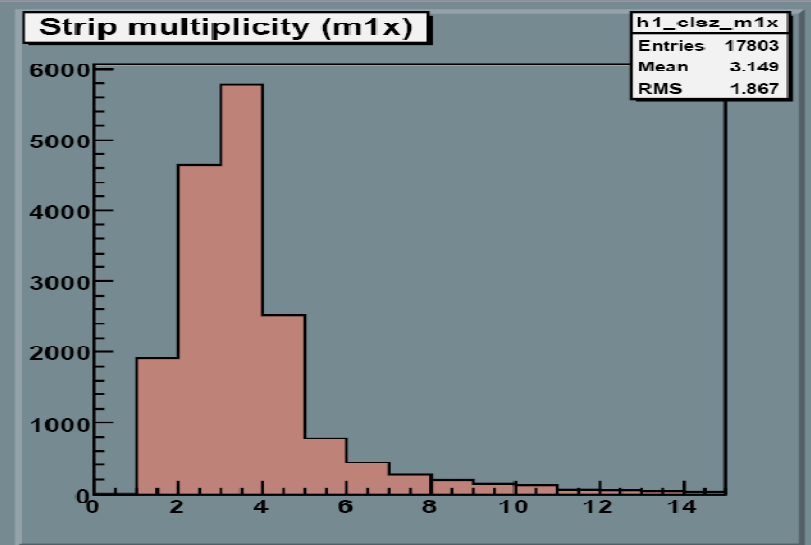
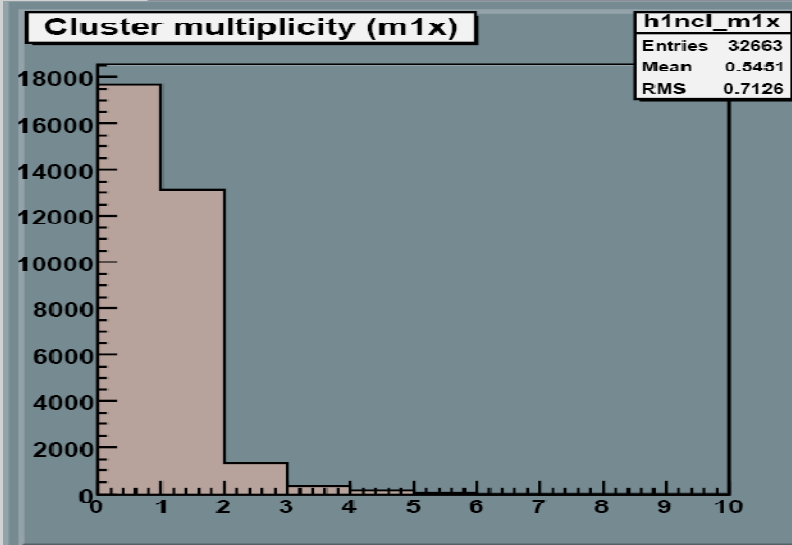


ADC value of the data with only one cluster

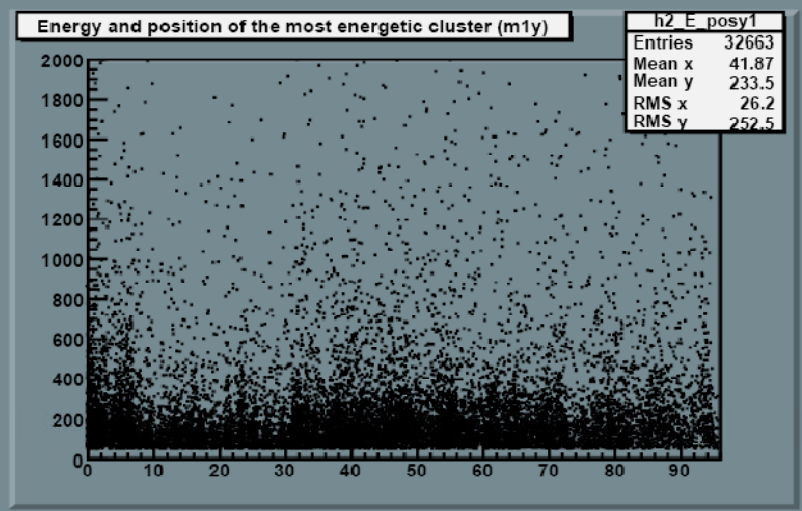
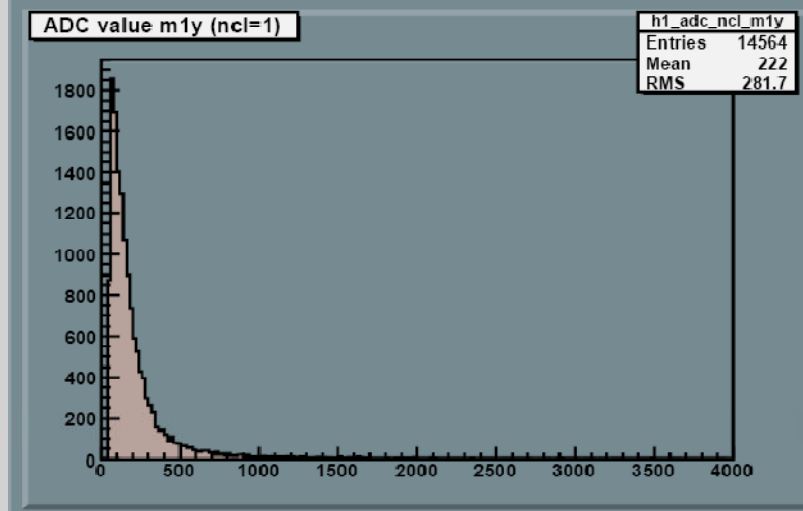
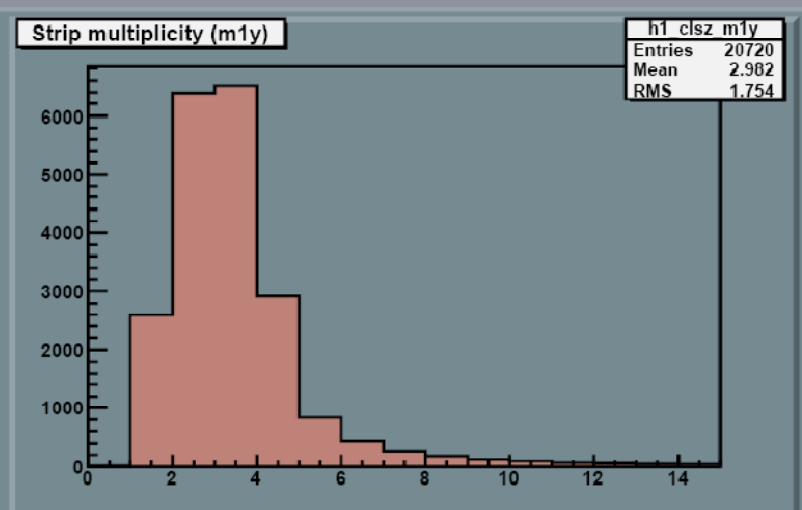
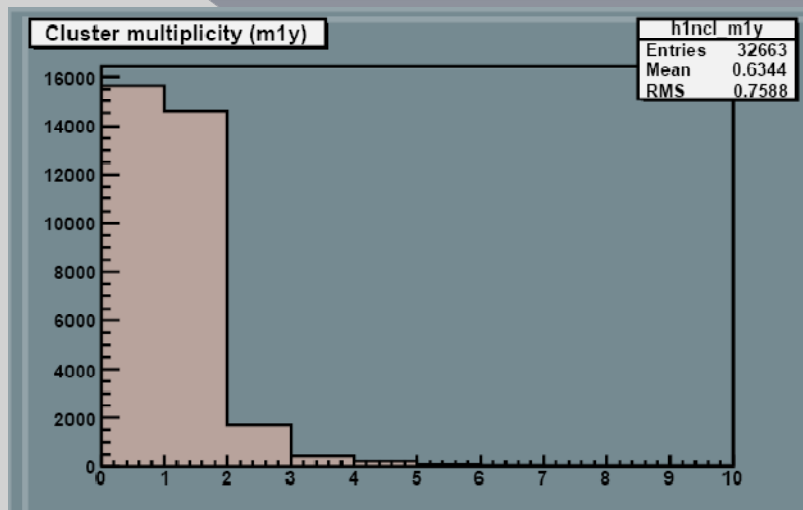


Data analysis for the micromegas

mM1x



Data analysis for the micromegas mM1y



Conclusions

- Preliminary analysis shows that the telescope micromegas detectors were not well aligned (see table).
- The resolution for a single detector is approximately 150 μm
- We are currently studying in more details the data for other effects like tilting or x/y perpendicularity, etc.

$x_i - x_j / y_i - y_j$	strips	mm	$\sigma(x_i - x_j)$ [μm]	σ_{x_i} [μm]
$x_1 - x_2$	21.9	5.2	202	143
$x_1 - x_3$	62.2	15.5	315	223
$y_1 - y_2$	13.4	3.3	184	130
$y_1 - y_3$	11.7	3	170	120