

Paddy @RD51



DECEMBER 2016
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Summary

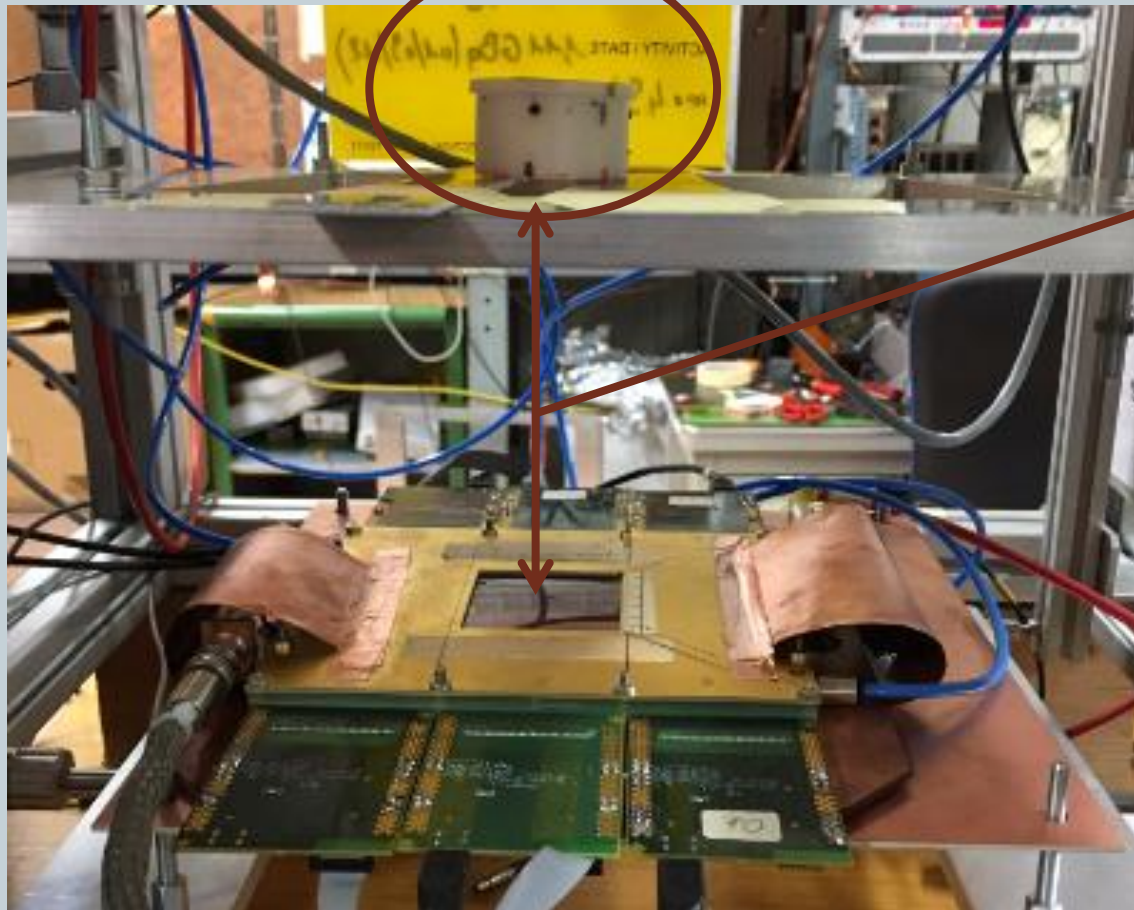


- Measurements with Fe55 source (3,28MBq, 1,11GBq)
- Uniformity study with different position of source (in these slides we show only data with source at $d=13,6$ cm)
- V_{amp} scan with $\Delta V=200V$
- Particular look at data with $HV=440V$

Setup



Fe55 – 1,11GBq



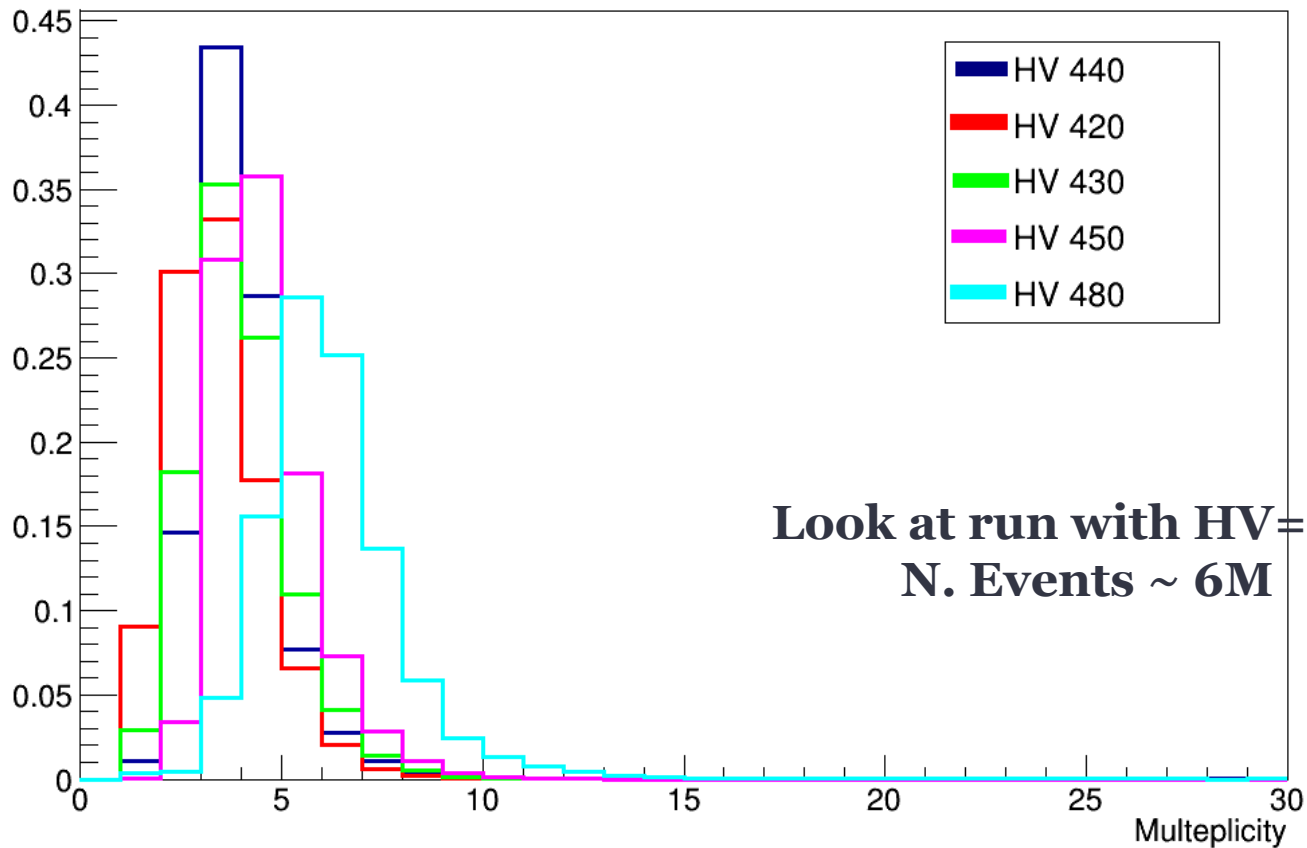
~13,6cm

In these conditions we did a scan in V_{amp} with $\Delta V=200V$.

Paddy Multiplicity



Paddy Multiplicity

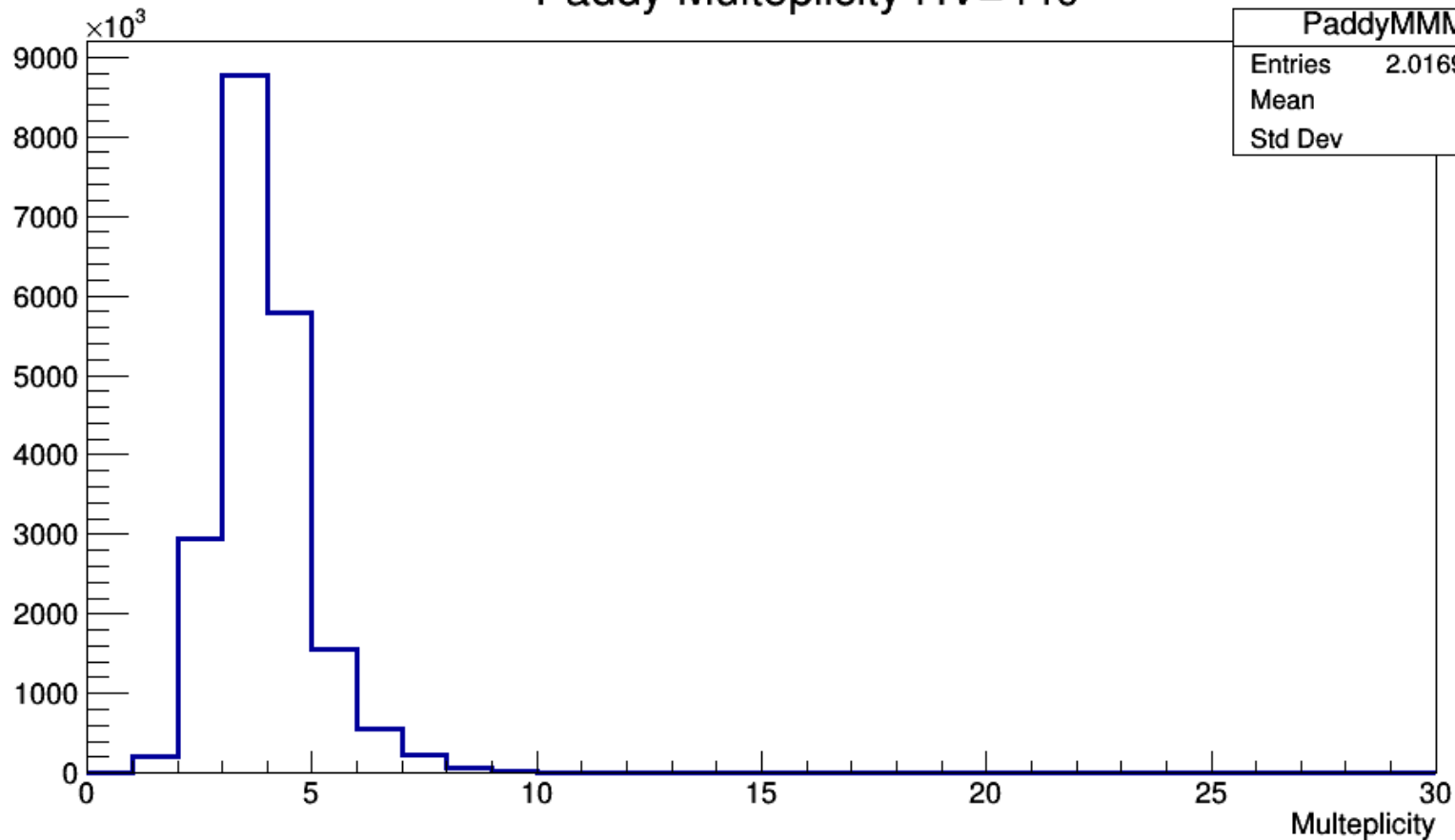


Look at run with HV=440
N. Events ~ 6M

Paddy Multiplicity at HV=440V



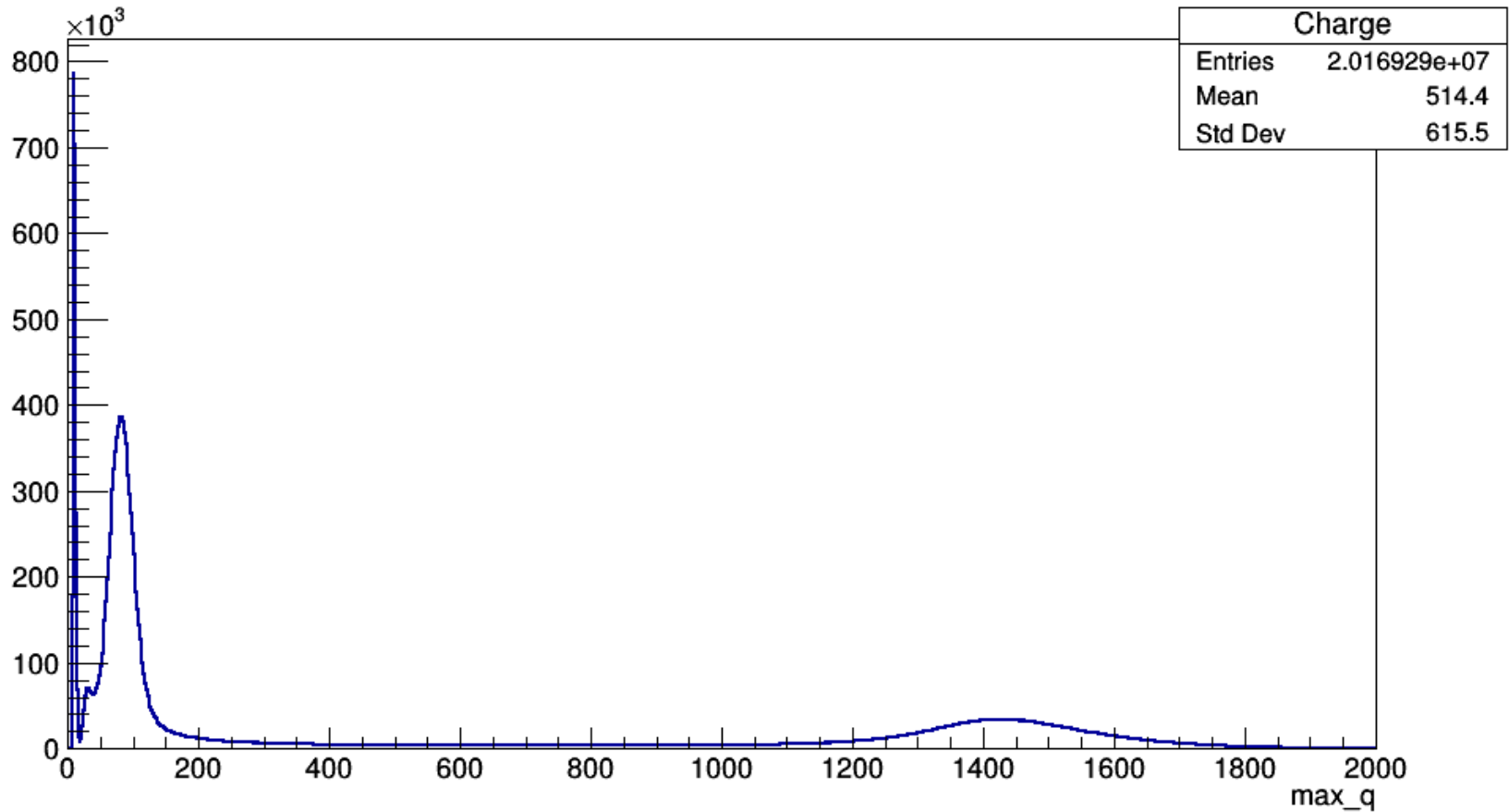
Paddy Multiplicity HV=440



Charge at HV=440V



max_q

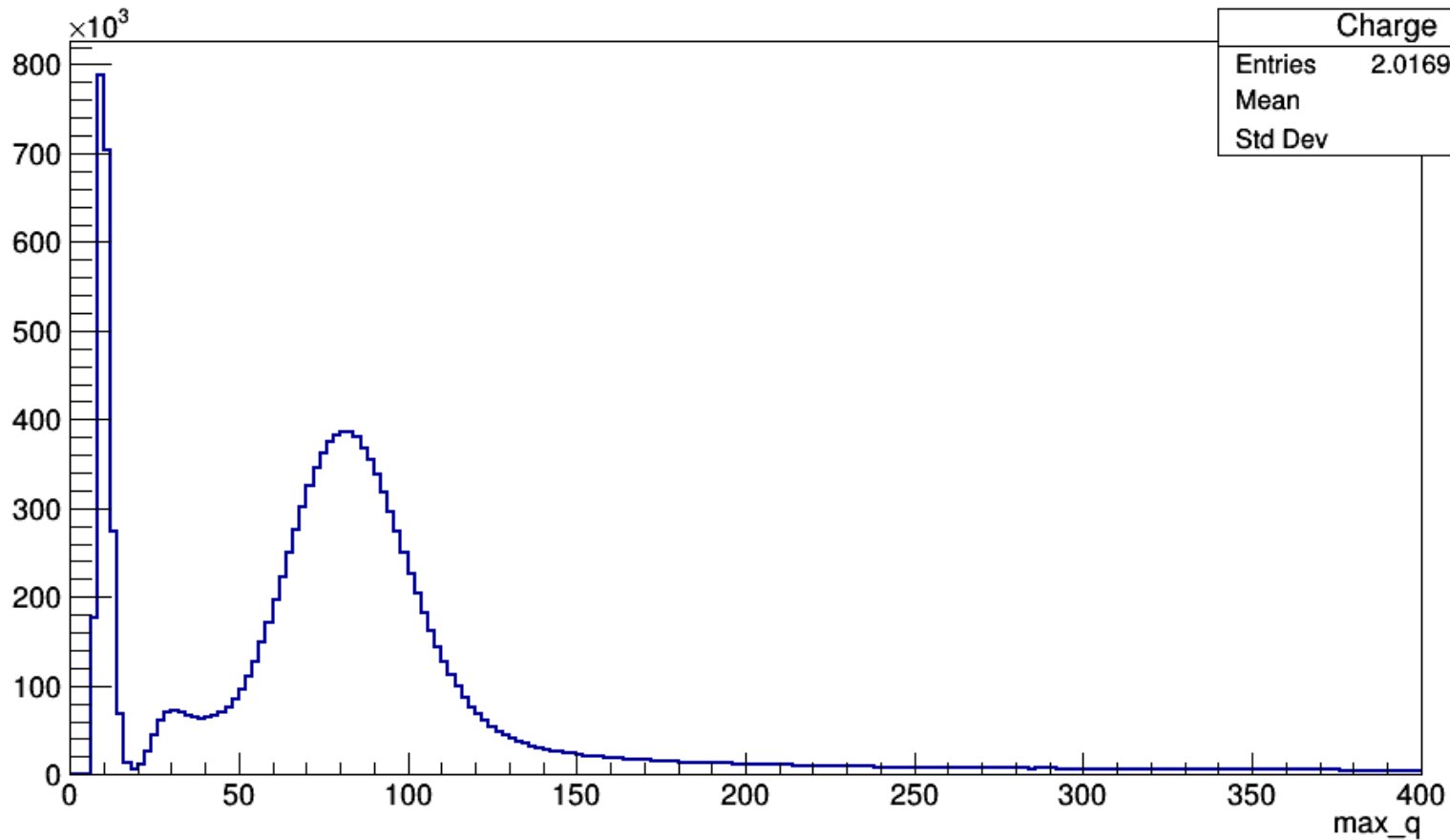


In next slide we zoom in region [0,400]

Charge at HV=440V



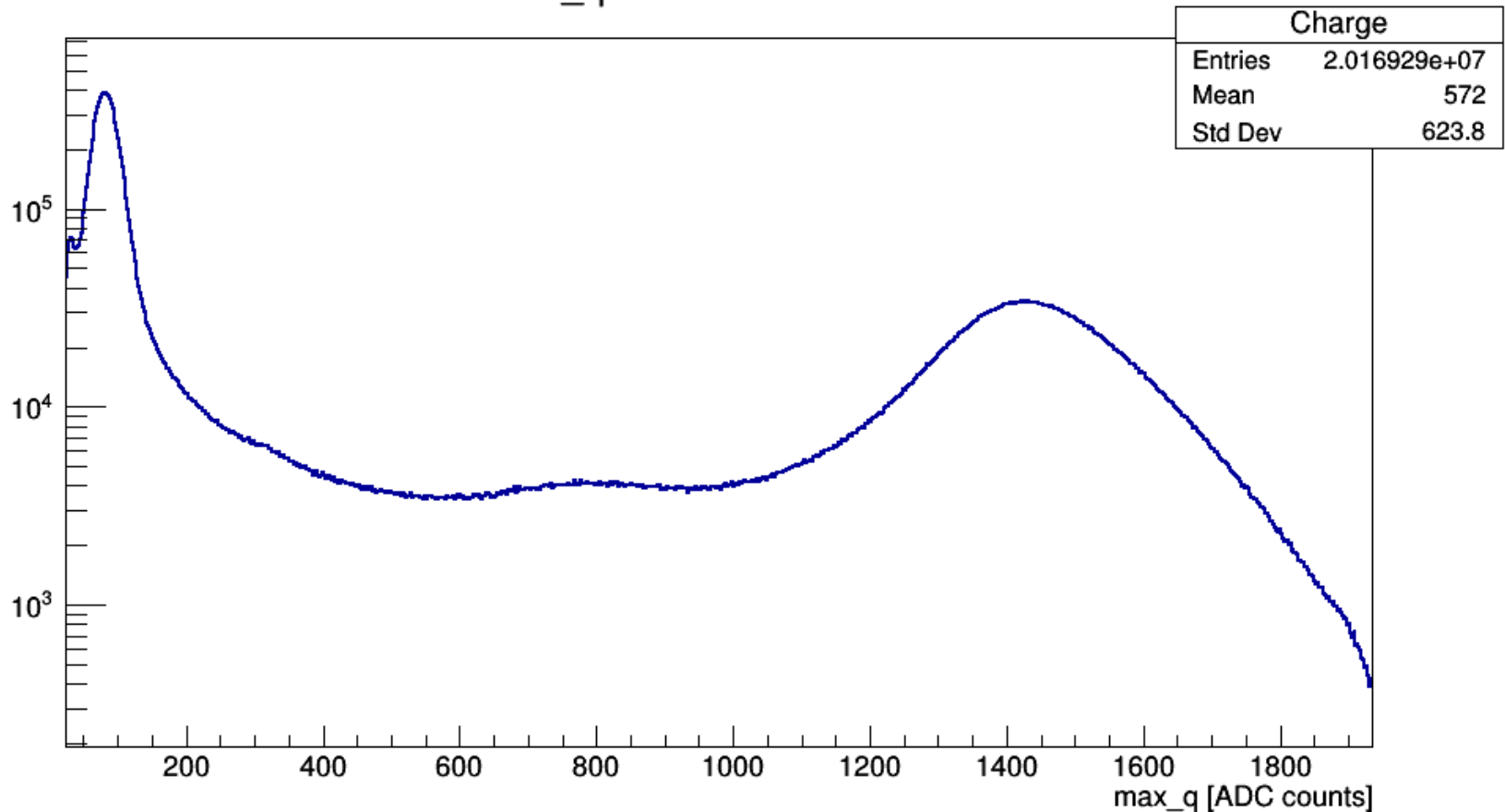
max_q



Charge at HV=440V



max_q 440HV Fe55 Source

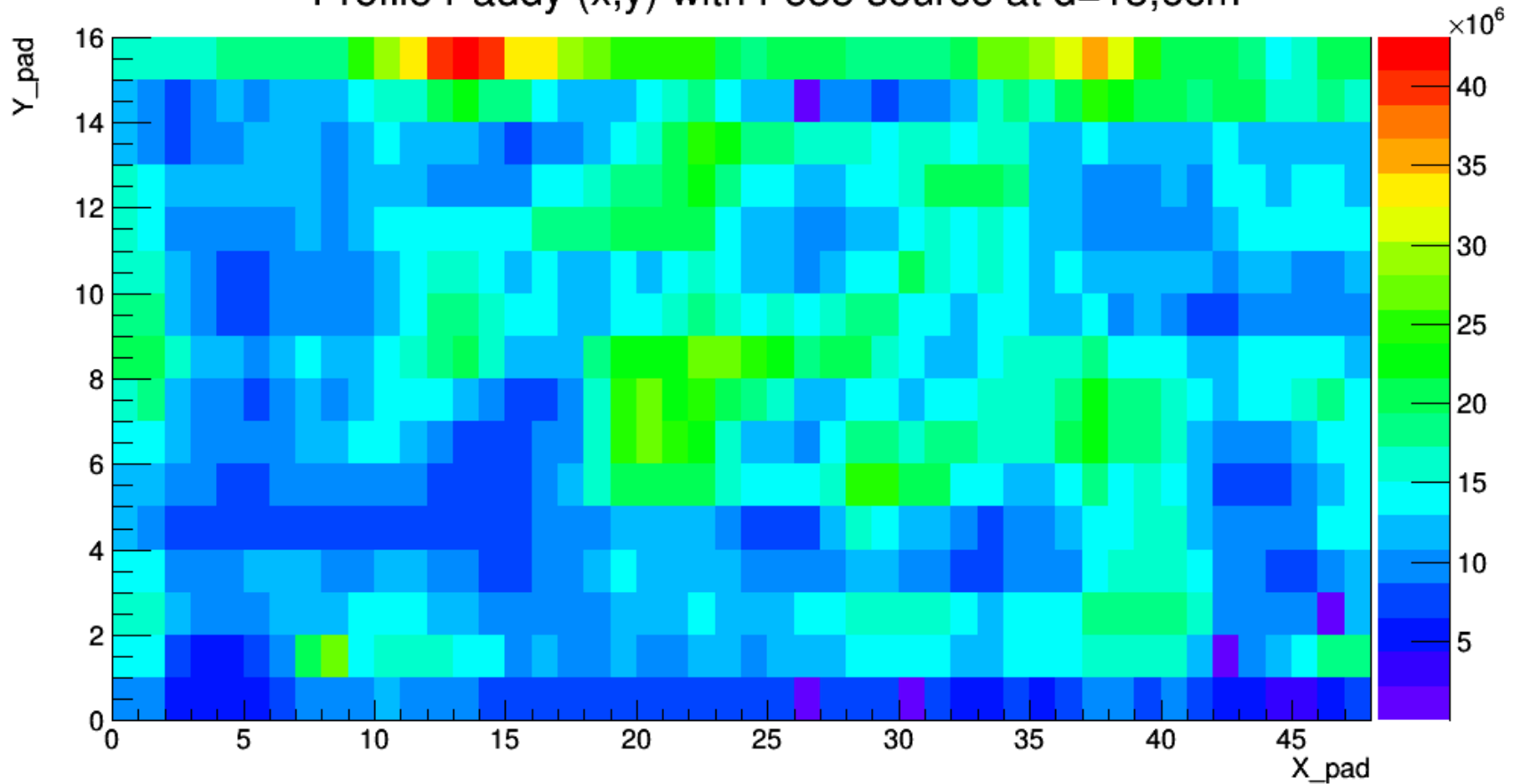


This is the entire distribution in log scale on Y axis

Hit Map



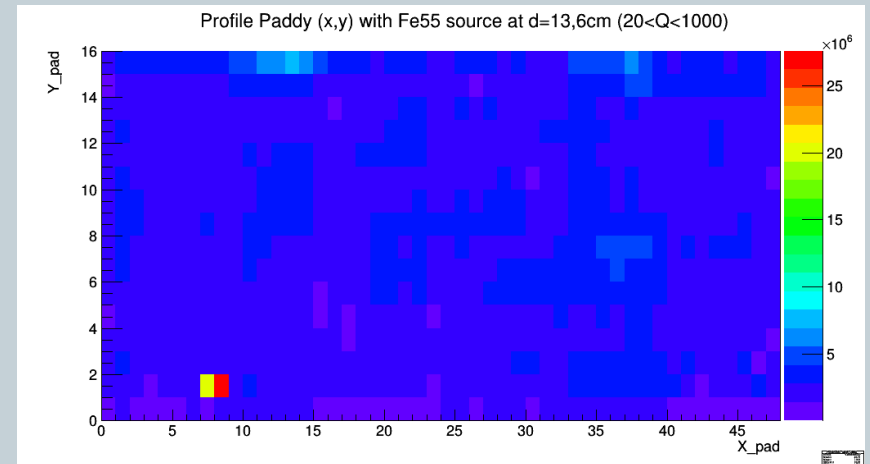
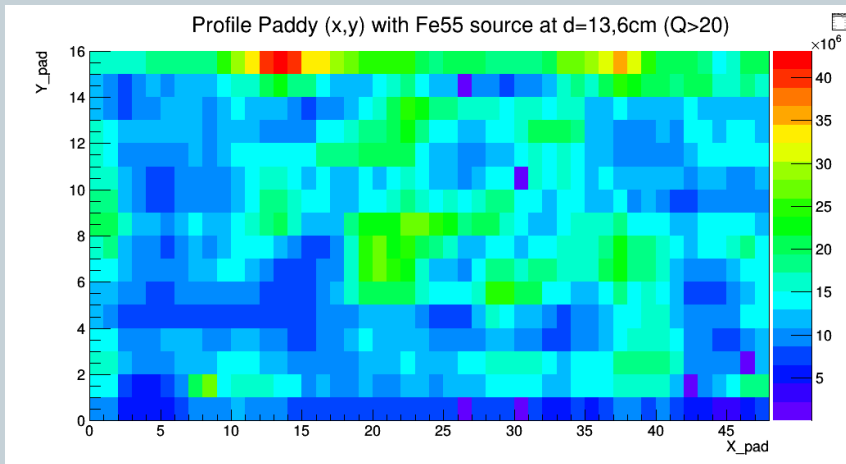
Profile Paddy (x,y) with Fe55 source at d=13,6cm



Hit Map: different conditions on Q

$Q > 20$

$20 < Q < 1000$



Next Goals



- Analyze data with cluster
- Make a comparison between the different set of data token in December at RD51
- Study of multiplicity of pads and clusters...