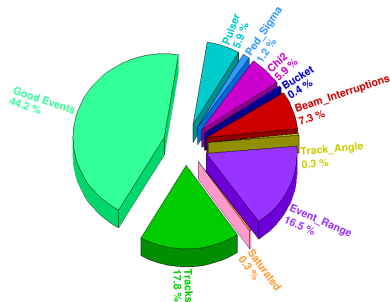


## Cut Contributions



Test Campaign: Oct 2015  
Run 398: 9.2 MHz/cm2, 29:52 Min (555512 evts)  
Diamond: poly-B2 @ -1000.0V

git hash: 07631f4

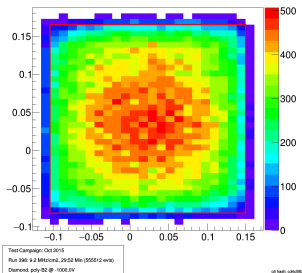
Meeting 30th January 2016

Michael Reichmann

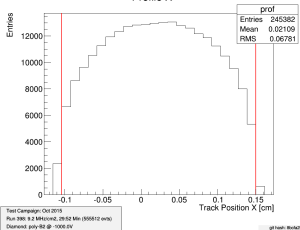
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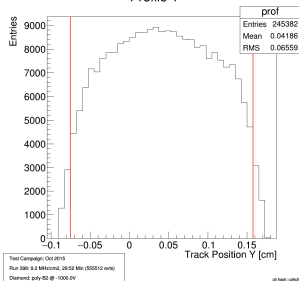
Diamond Margins

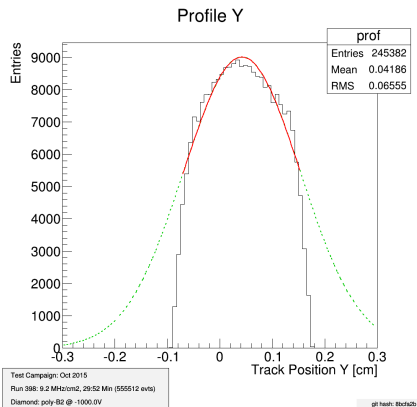
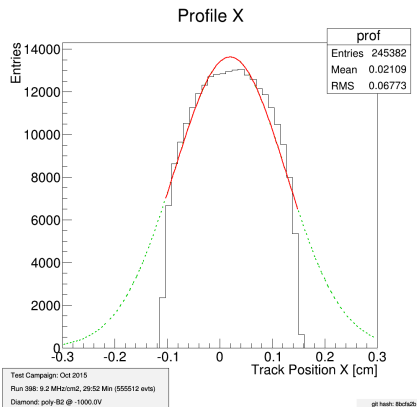


Profile X

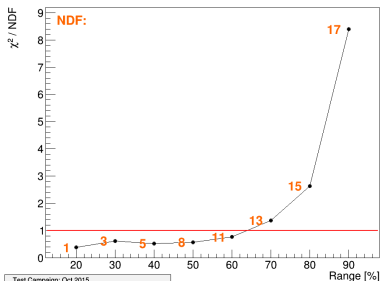


Profile Y



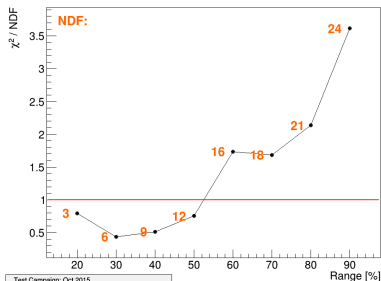


- looking for center of the mask ( $\approx$  center of red lines)
- fit Gauss in which range around this center??
- plots for 60% of the the red lines

Beam Profile X Fit  $\chi^2$ s / NDF

Test Campaign: Oct 2015  
Run 398: 9.2 MHz/cm2, 29:52 Min (555512 evts)  
Diamond: poly-B2 @ -1000.0V

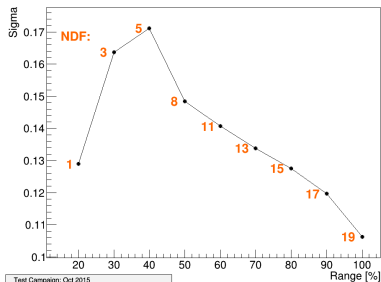
gh hash: 8bcb2b

Beam Profile Y Fit  $\chi^2$ s / NDF

Test Campaign: Oct 2015  
Run 398: 9.2 MHz/cm2, 29:52 Min (555512 evts)  
Diamond: poly-B2 @ -1000.0V

gh hash: 8bcb2b

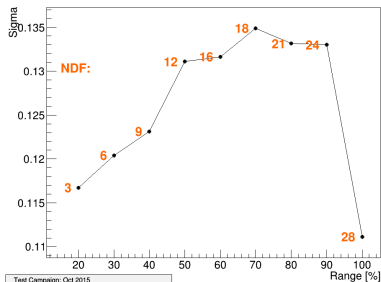
Beam Profile X Sigma



Test Campaign: Oct 2015  
Run 398: 9.2 MHz/cm<sup>2</sup>, 29:52 Min (555512 evts)  
Diamond: poly-B2 @ -1000.0V

gh hash: 8bcb2b

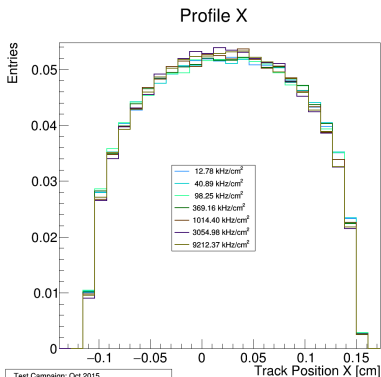
Beam Profile Y Sigma



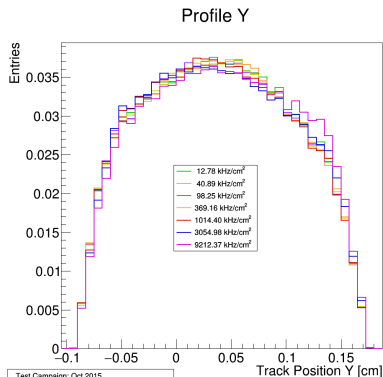
Test Campaign: Oct 2015  
Run 398: 9.2 MHz/cm<sup>2</sup>, 29:52 Min (555512 evts)  
Diamond: poly-B2 @ -1000.0V

gh hash: 8bcb2b

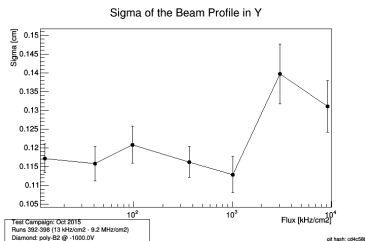
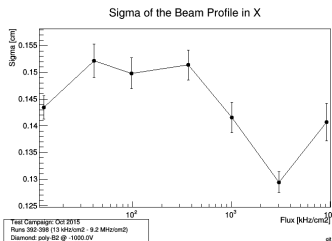
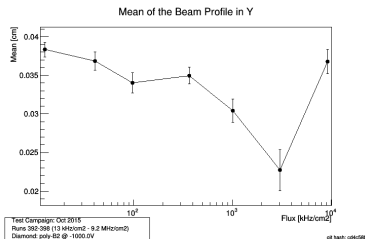
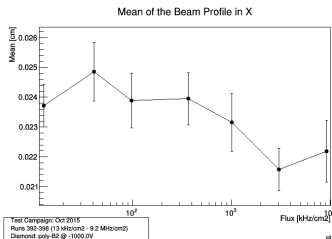
# Rate dependence



git hash: c04c58b

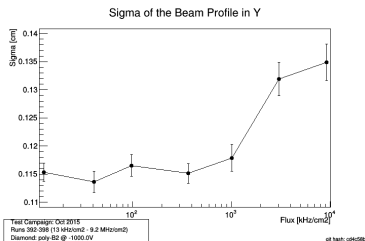
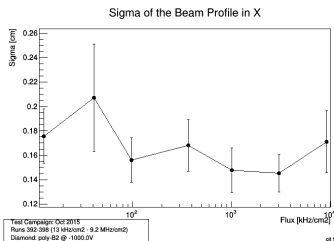
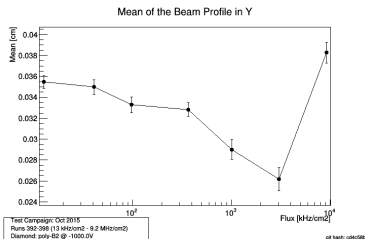
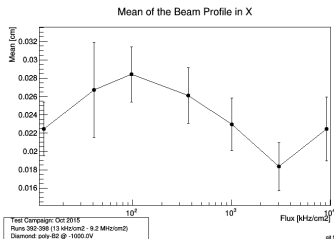


git hash: c04c58b



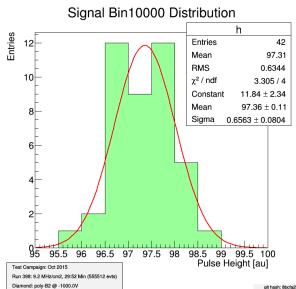
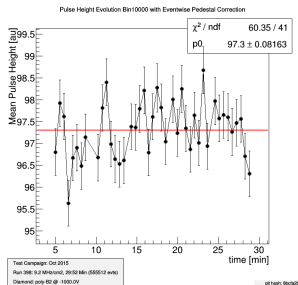
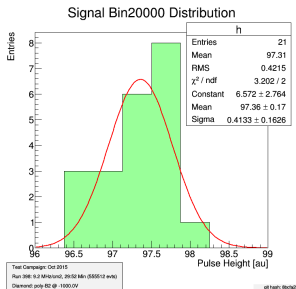
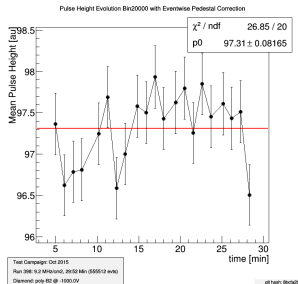
- $\chi^2 \rightarrow 1$
- x: 70% range, y: 50% range



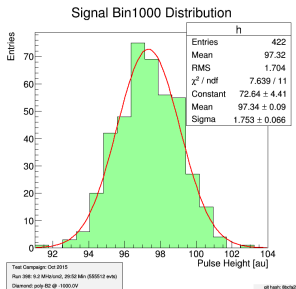
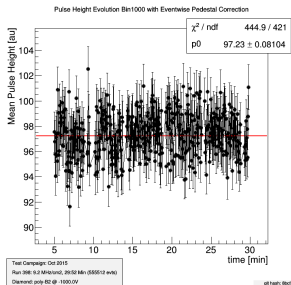
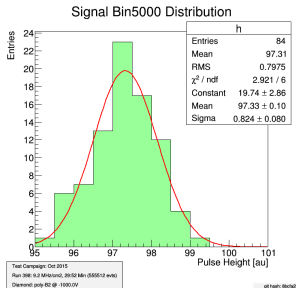
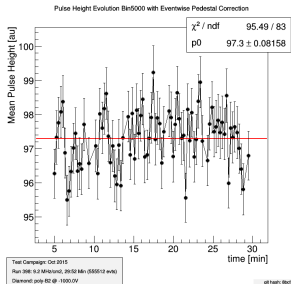


- biggest sigmas
- x: 40% range, y: 70% range

## Pulse height distribution



## Pulse height distribution



## Pulse height distribution

