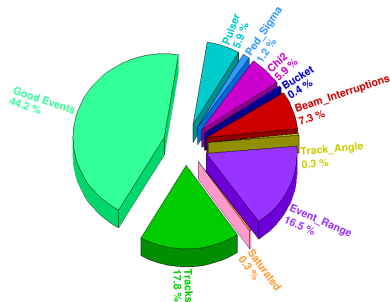


Cut Contributions



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

git hash: 07631f4

Meeting 29th January 2016

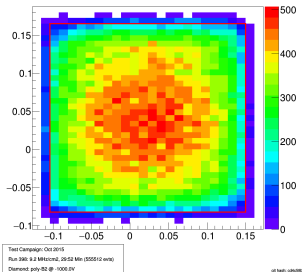
Michael Reichmann

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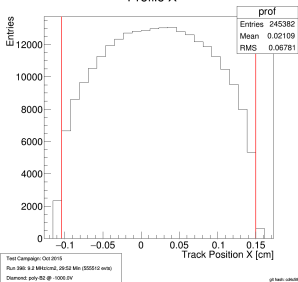
- 1 Beam Profile
 - Profiles
 - Rate dependence

- 2 Pulse height distribution
 - Pulse height distribution

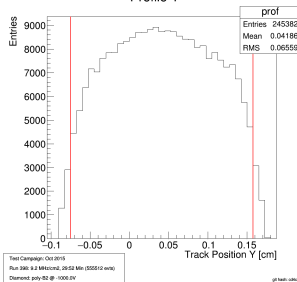
Diamond Margins

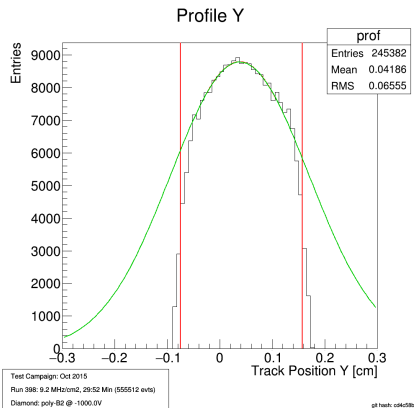
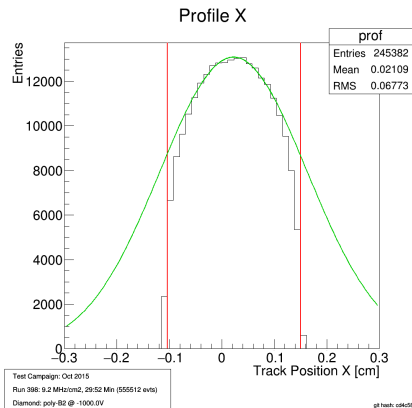


Profile X

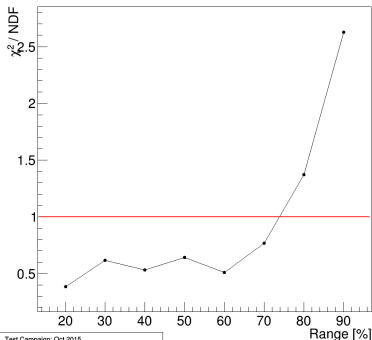


Profile Y



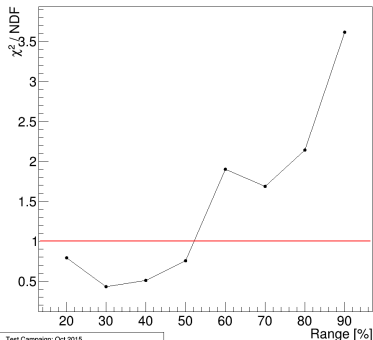


- looking for center of the mask (\approx center of red lines)
- fit Gauss in which range around this center??
- plots for 60% of the the red lines

Beam Profile X Fit χ^2 s / NDF

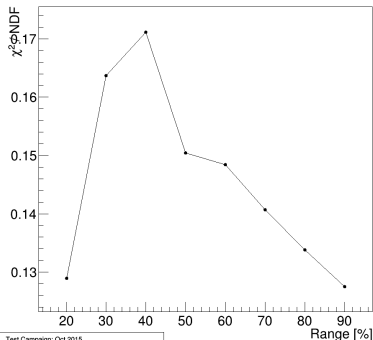
Test Campaign: Oct 2015
Run 398: 9.2 MHz/cm2, 29:52 Min (555512 evts)
Diamond: poly-B2 @ -1000.0V

git hash: c04e58b

Beam Profile Y Fit χ^2 s / NDF

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

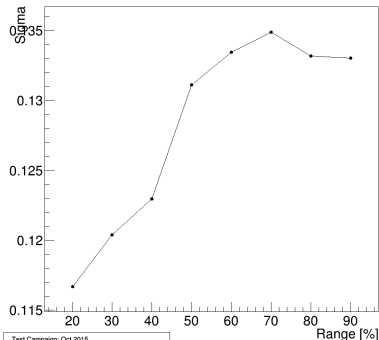
git hash: c04e58b

Beam Profile X Fit χ^2 s / NDF

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

git hash: c04e58b

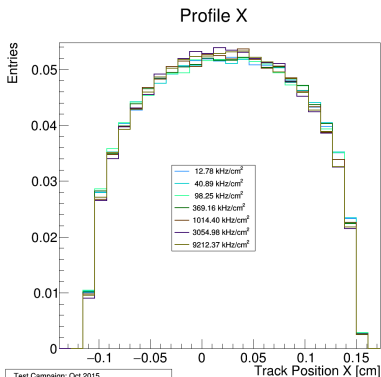
Beam Profile Y Sigma



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

git hash: c04e58b

Rate dependence

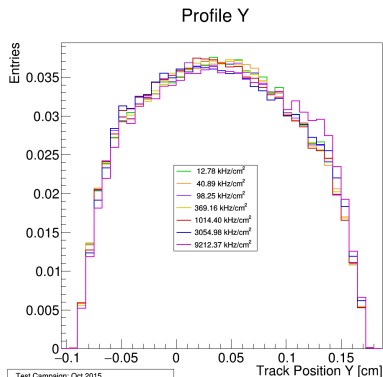


Test Campaign: Oct 2015

Runs 392-398 (13 kHz/cm² - 9.2 MHz/cm²)

Diamond: poly-B2 @ -1000.0V

git hash: c04c58b

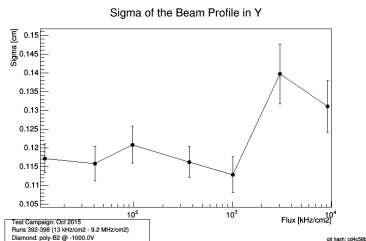
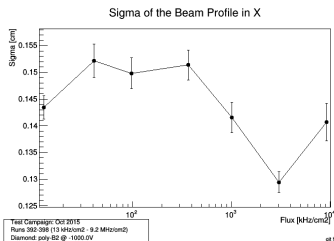
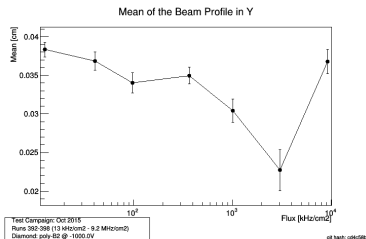
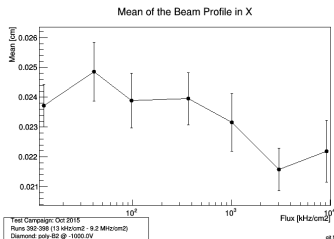


Test Campaign: Oct 2015

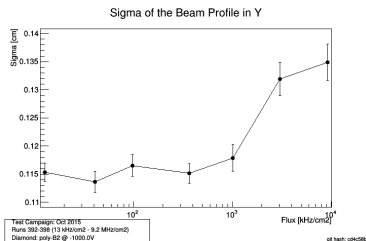
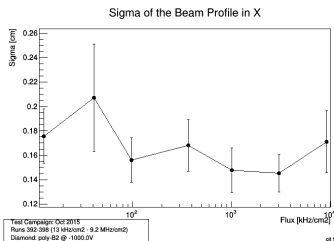
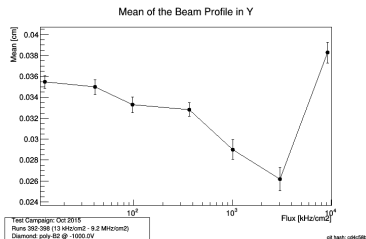
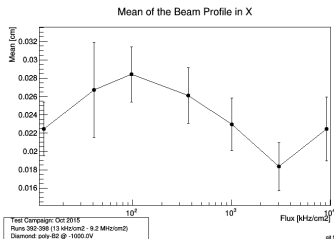
Runs 392-398 (13 kHz/cm² - 9.2 MHz/cm²)

Diamond: poly-B2 @ -1000.0V

git hash: c04c58b

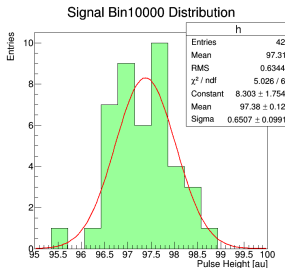
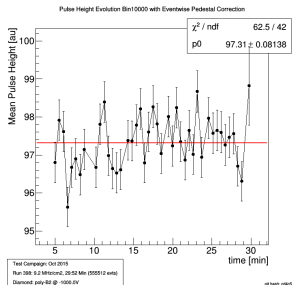
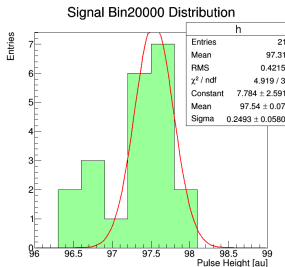
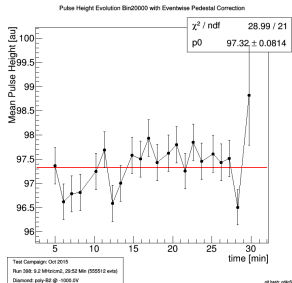


- $\chi^2 \rightarrow 1$
- x: 70% range, y: 50% range

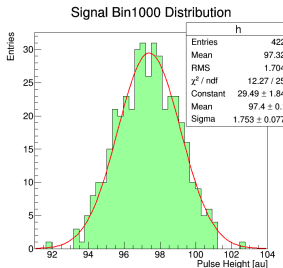
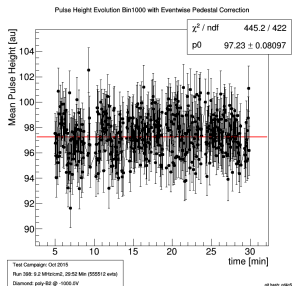
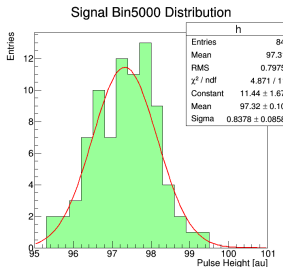
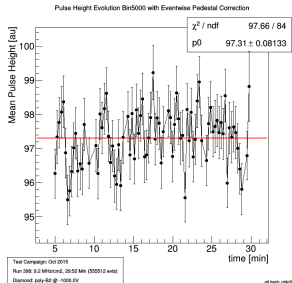


- biggest sigmas
- x: 40% range, y: 70% range

Pulse height distribution



Pulse height distribution



Pulse height distribution

