

Pad Response Function

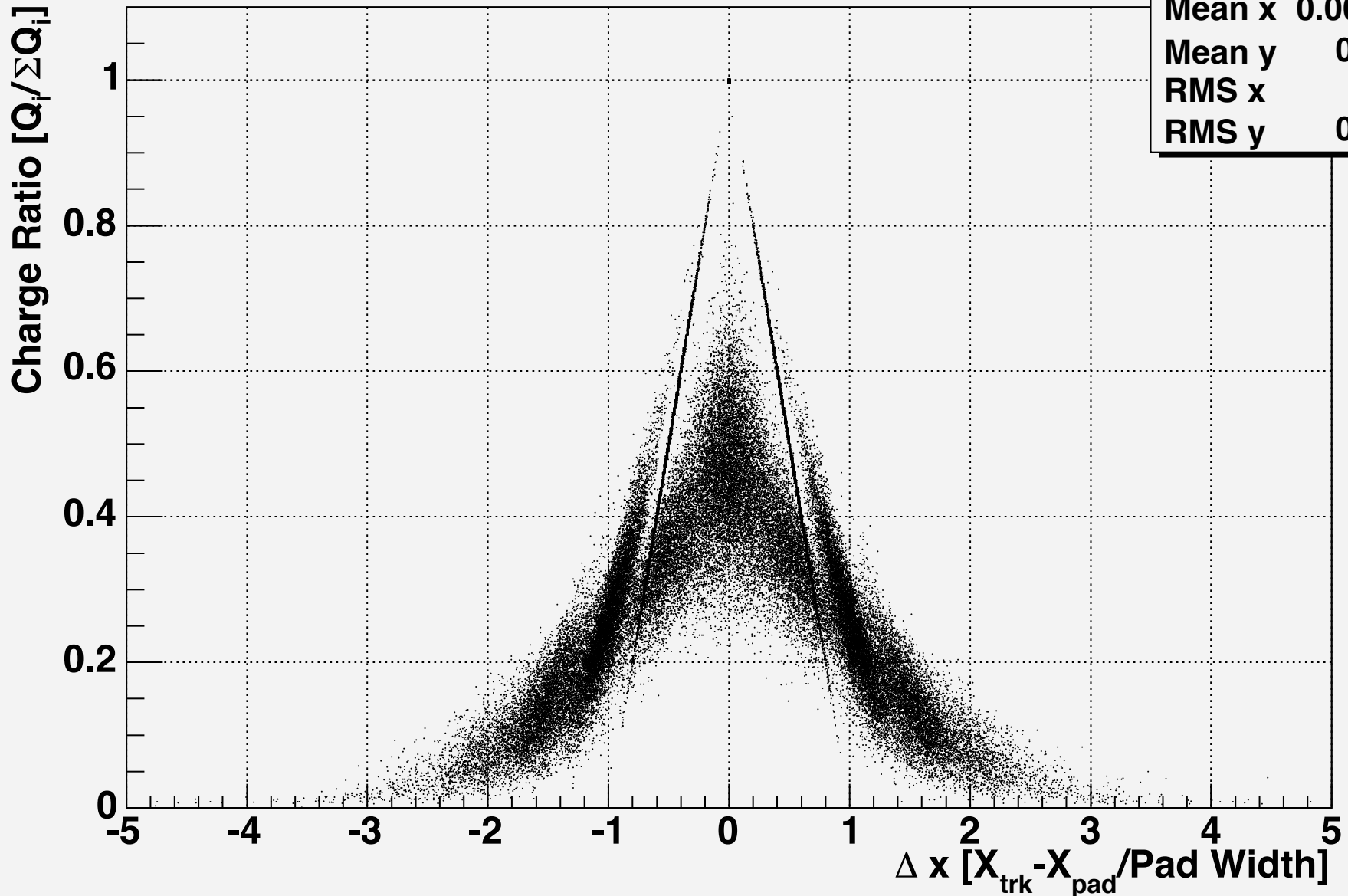
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Method

- Select track – associated hit points with 3 or more pads hit
- Plot Q_i/Q_{tot} against $(X_{track} - X_{padi})/w$ for different Z bins ($w=2.2\text{mm}$)
- Divide the plot into different X-slices and fit each slice with a gaussian
- Plot the sigma as a function of Z

Pb50mm, B=0T, Phi=0 Results

PadResponseFunction

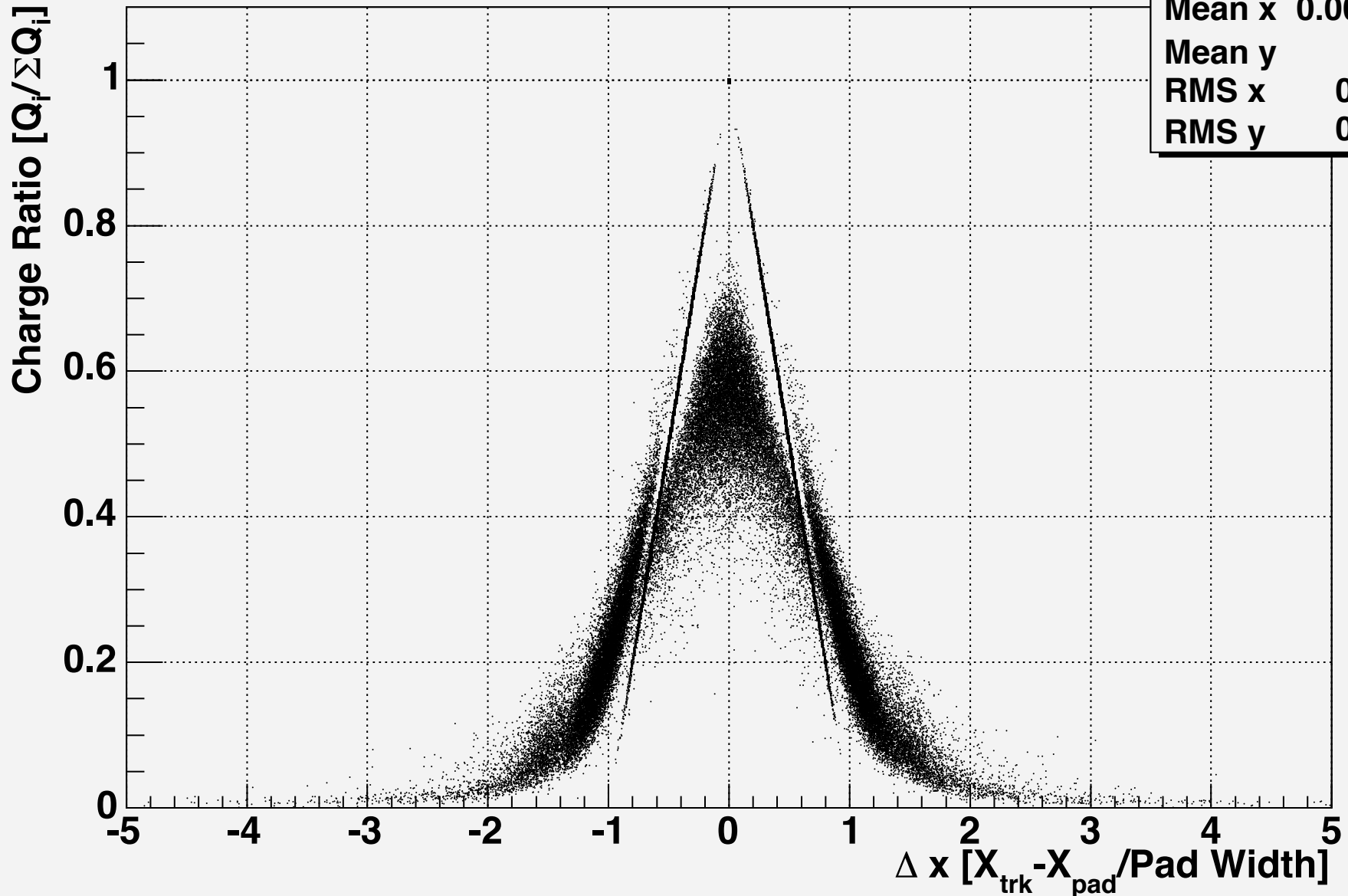


PadResponseFunction

Entries	64930
Mean x	0.001677
Mean y	0.3143
RMS x	1.035
RMS y	0.1727

Pb50mm, B=1T, Phi=0 Results

PadResponseFunction

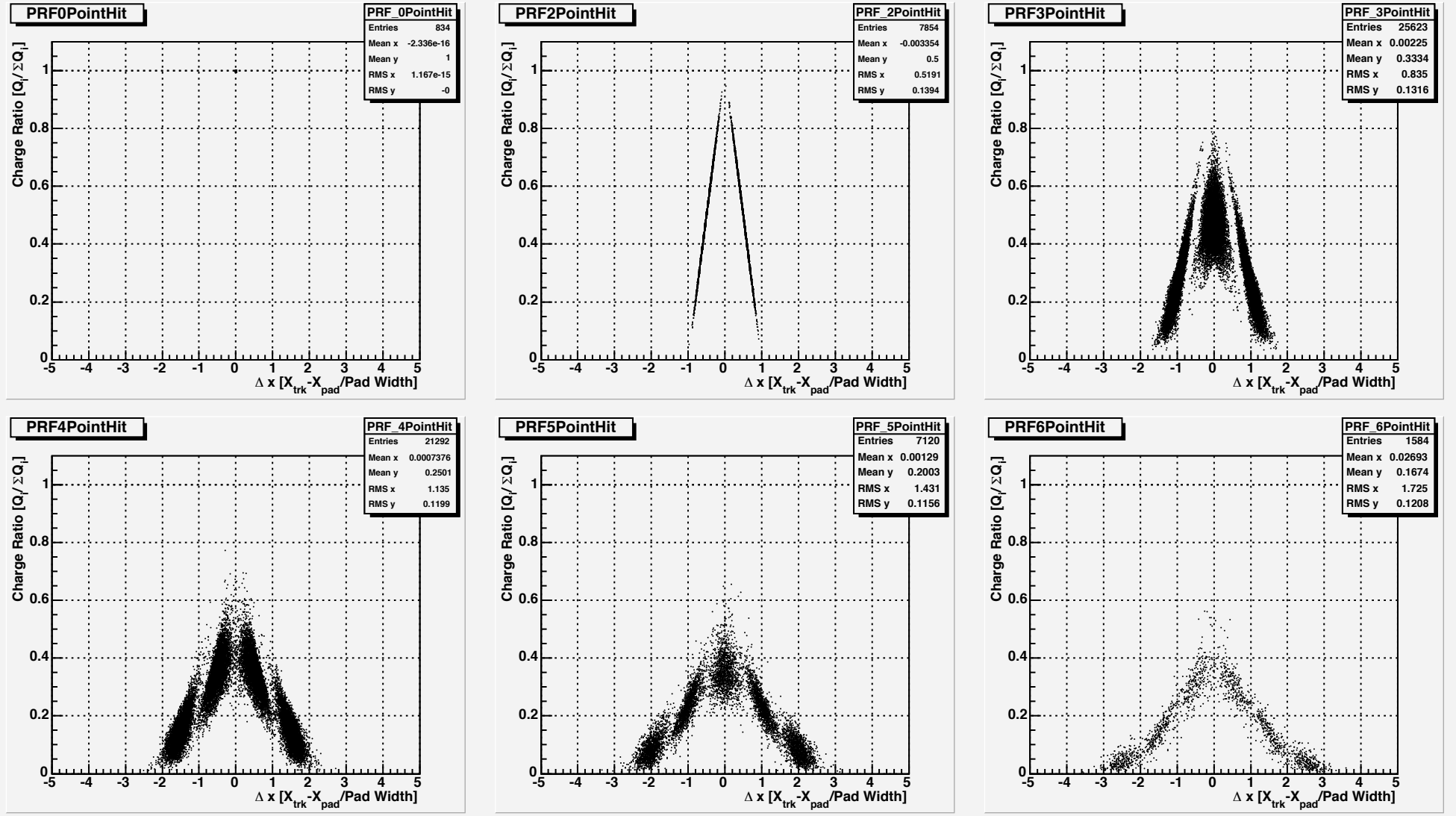


PadResponseFunction

Entries	77831
Mean x	0.002485
Mean y	0.381
RMS x	0.8527
RMS y	0.2132

Pb50mm, B=0T, Phi=0 Results

• Pads hit: 1,2,3,4,5,6



Pb50mm, B=1T, Phi=0 Results

• Pads hit: 1,2,3,4,5,6

