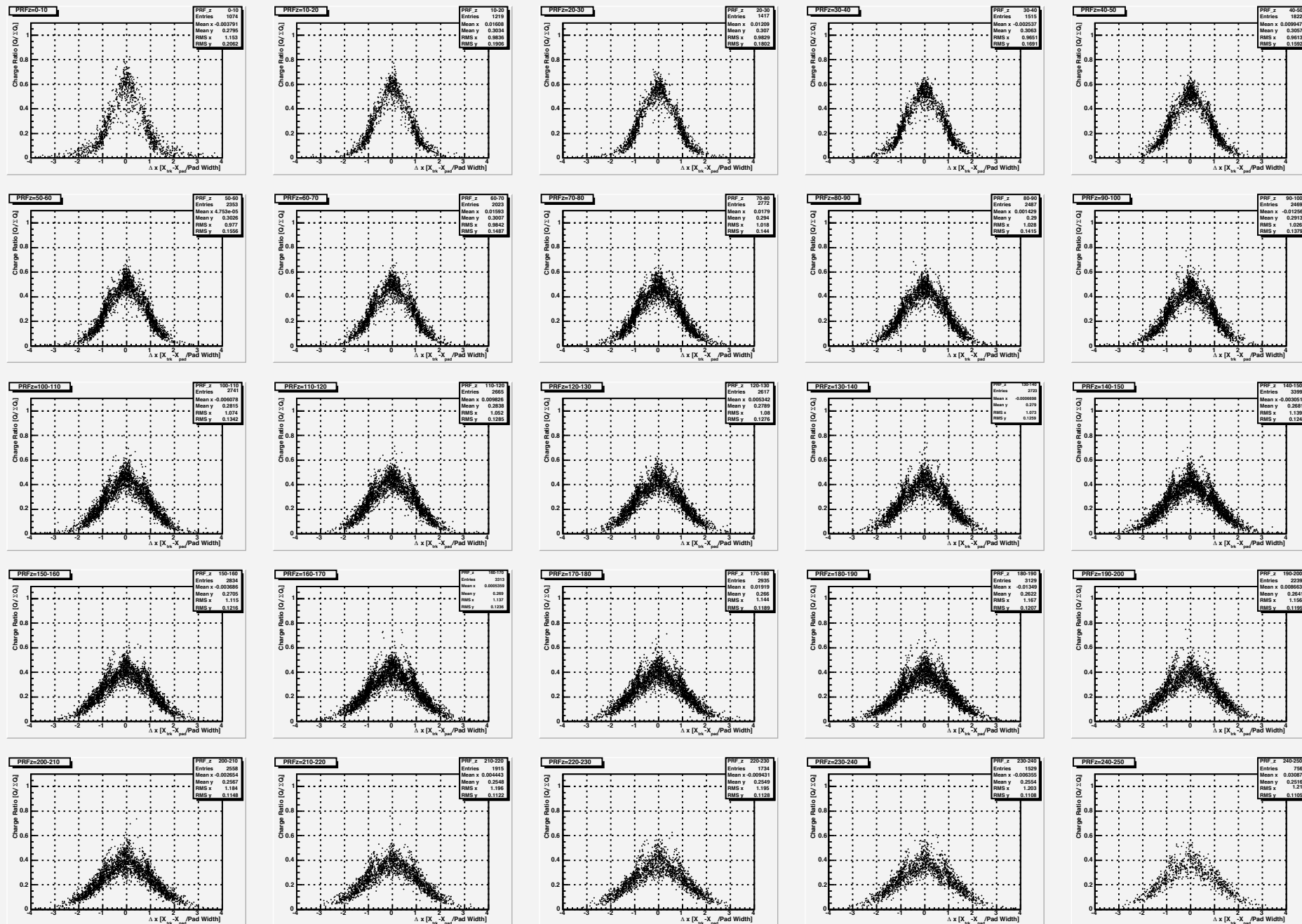# PadResponseFunction

Tomohiro Kijima

2004/07/22

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=2.2mm)

- Divide the plot into different X-slices and fit each slice with a gaussian
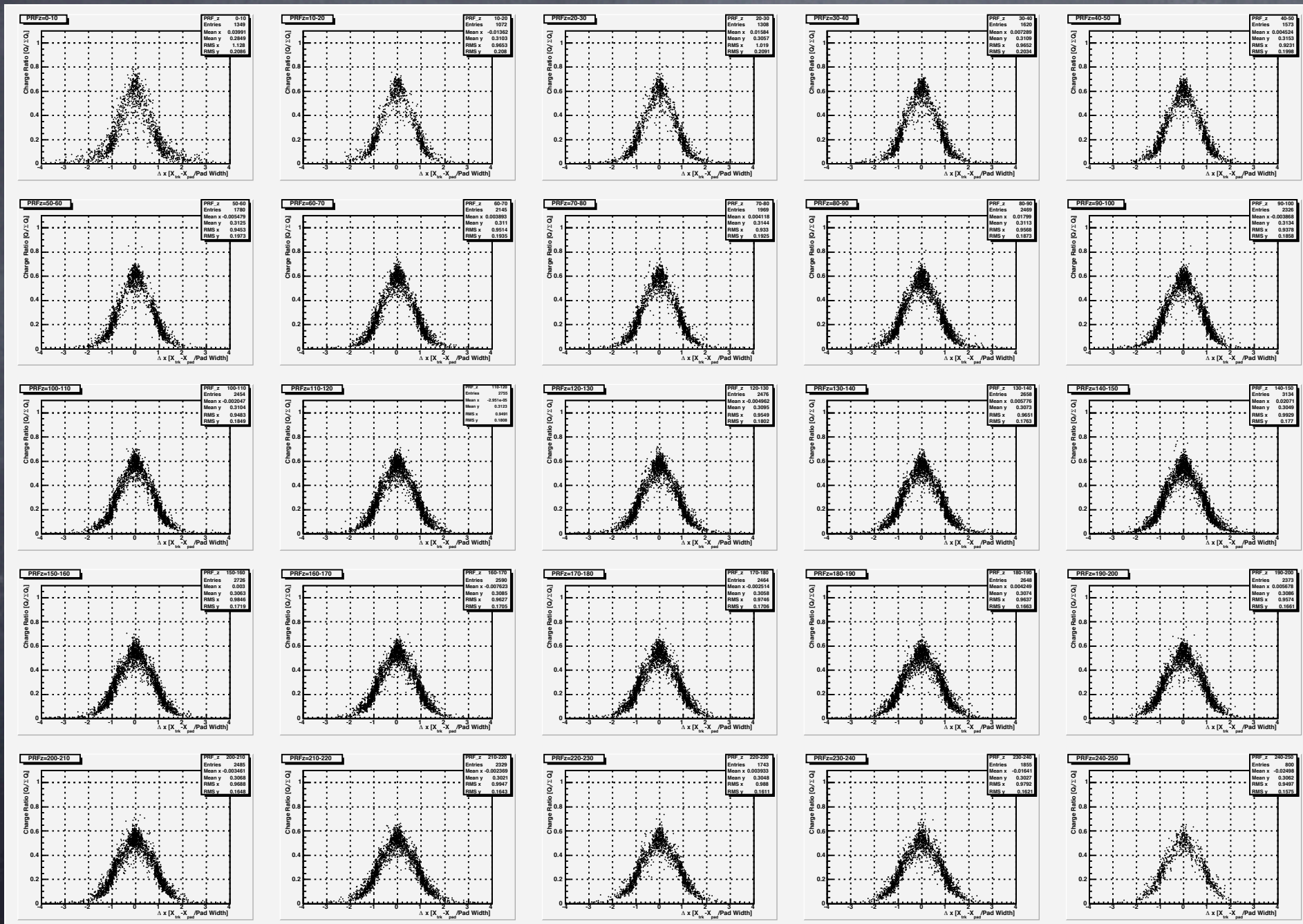
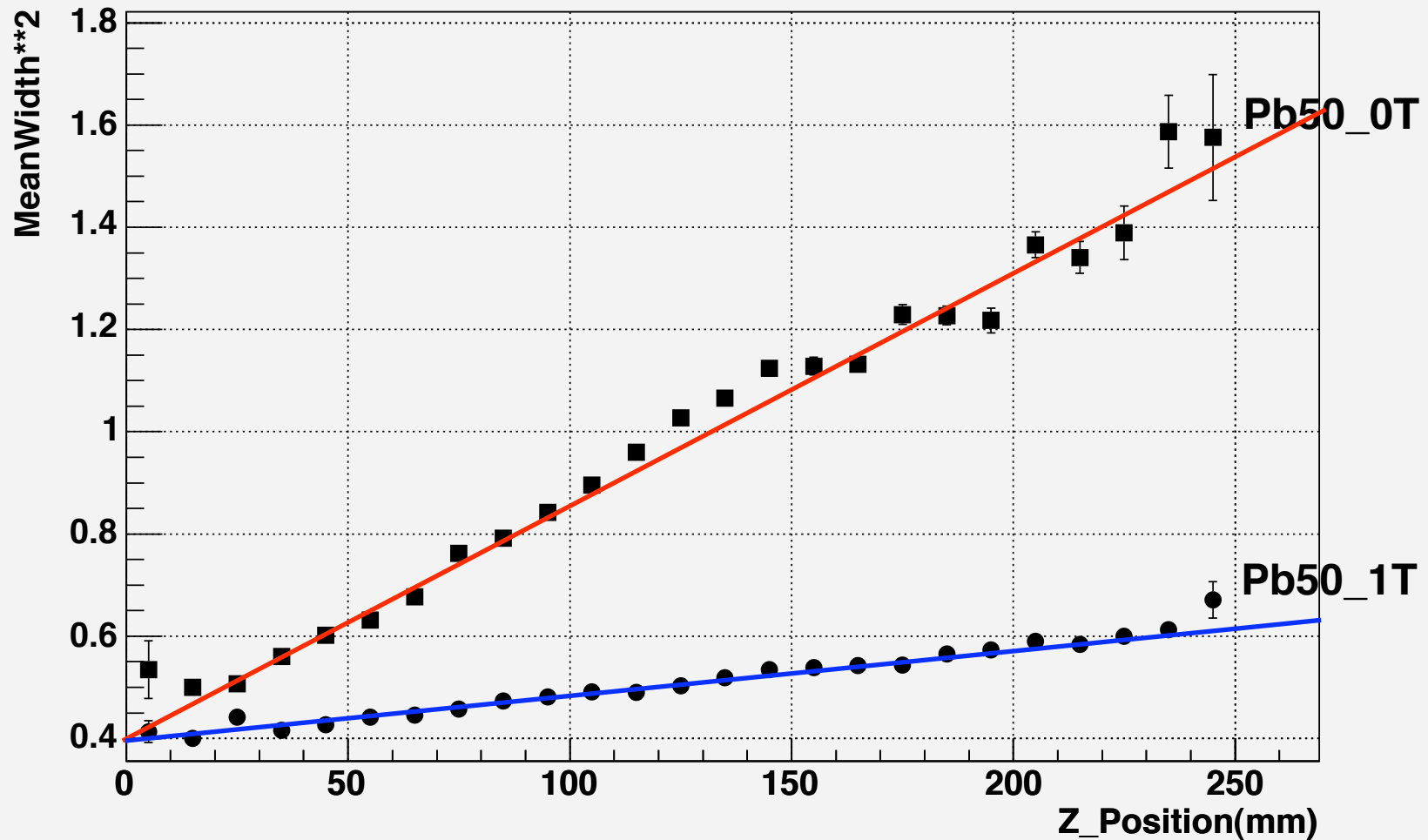- Plot the sigma as a function of Z

B=0T Results

B=1T Results
Z-bins: 0-1,1-2,2-3, ... ,23-24,24-25cm

Summary

- B=0 & B=1T lines seem to meet at a single point for Z=0 which corresponds to PRF width of 1.4 mm