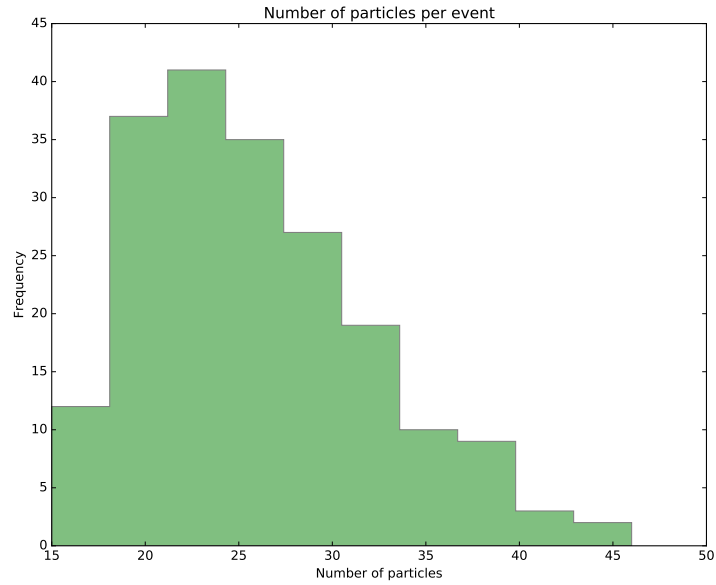


# PHYS 723 Homework 7

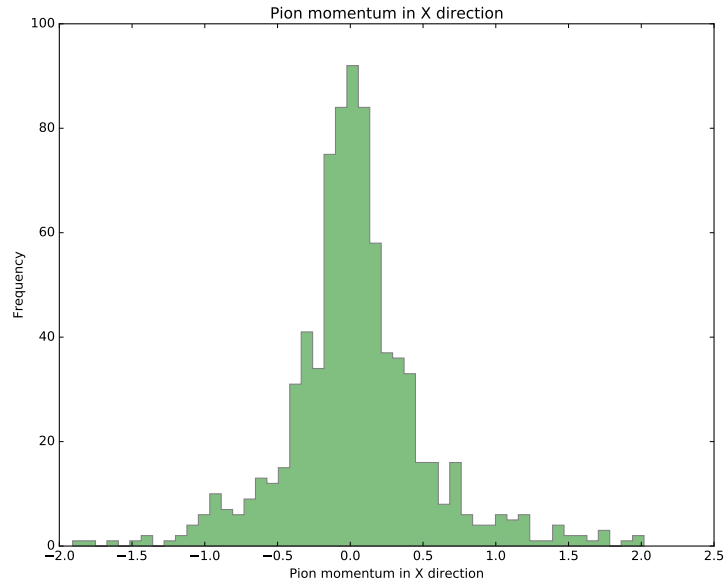
Nick Tyler

1. This is a histogram showing the number of particles by events.



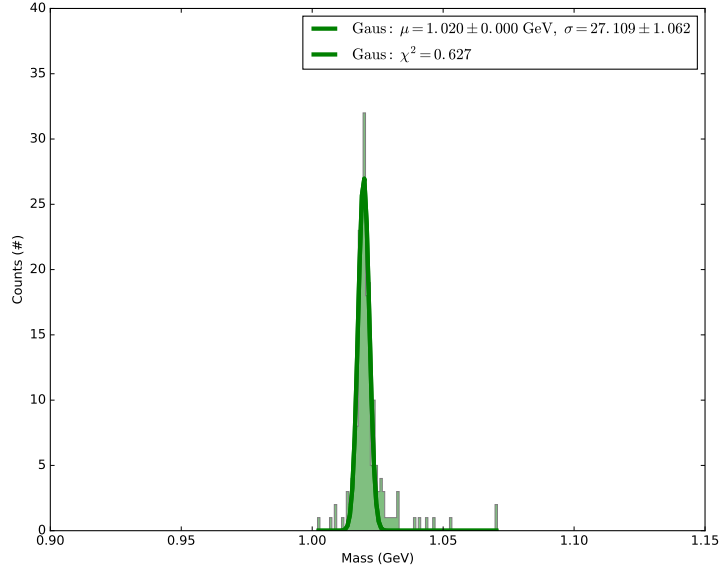
**Figure 1:** Here is a histogram showing the number of particles by events.

2. This is a histogram of the momentum in the X direction of all  $\pi^+$  and  $\pi^-$ .



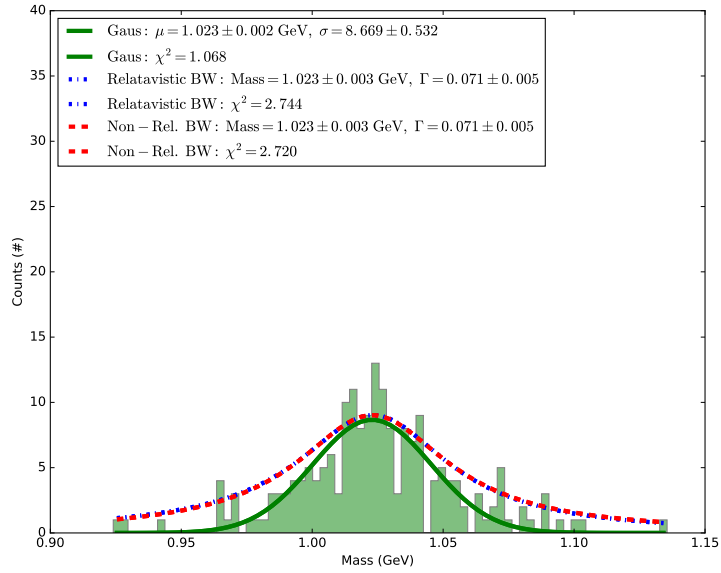
**Figure 2:**  $P_x$  for  $\pi^+$  and  $\pi^-$

3. This is a histogram of the unsmeared mass of  $\phi \rightarrow \kappa^+ \kappa^-$



**Figure 3:**  $\phi \rightarrow \kappa^+ \kappa^-$

4. This is a histogram of the smeared mass of  $\phi \rightarrow \kappa^+ \kappa^-$



**Figure 4:**  $\phi \rightarrow \kappa^+ \kappa^-$