

# PHYS 721 Homework 5

Nick Tyler

1. Three Breit-Wigner curves for the decay  $\phi \rightarrow K^+ K^-$  are fitted to data set 1. The first fit, in green, is the relativistic Breit-wigner. The second fit, in red, is the Non-Relativistic Breit-Wigner curve.

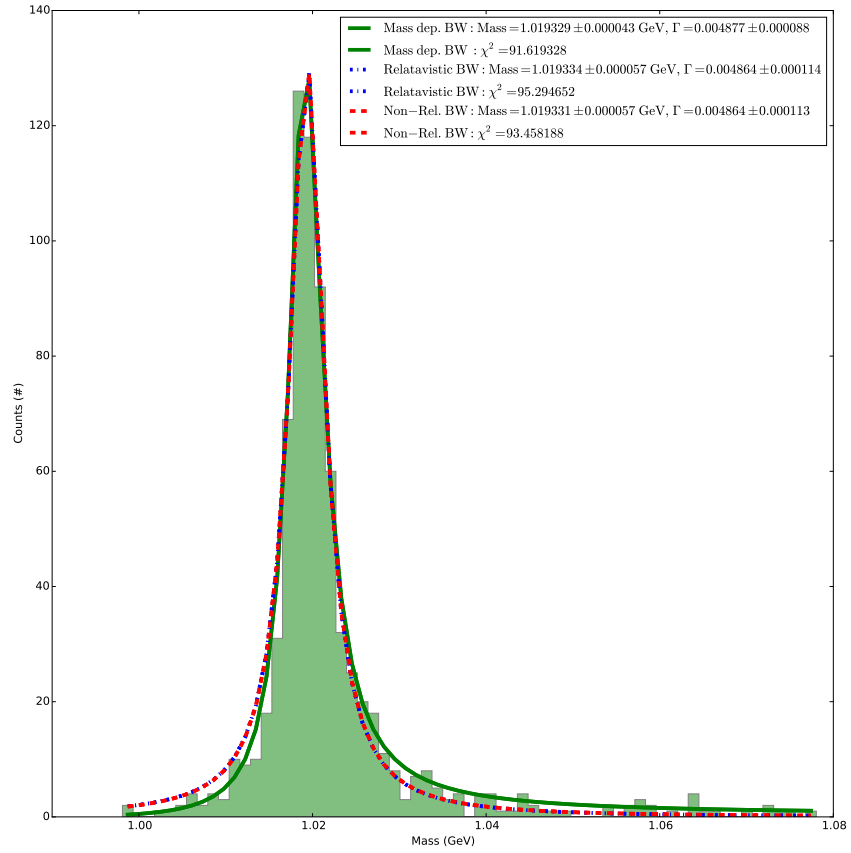


Figure 1: Three Breit-Wigner curves fit to data for,  $\phi \rightarrow K^+ K^-$

2. Stuff Here for problem 2.
3. Stuff here for problem 3.

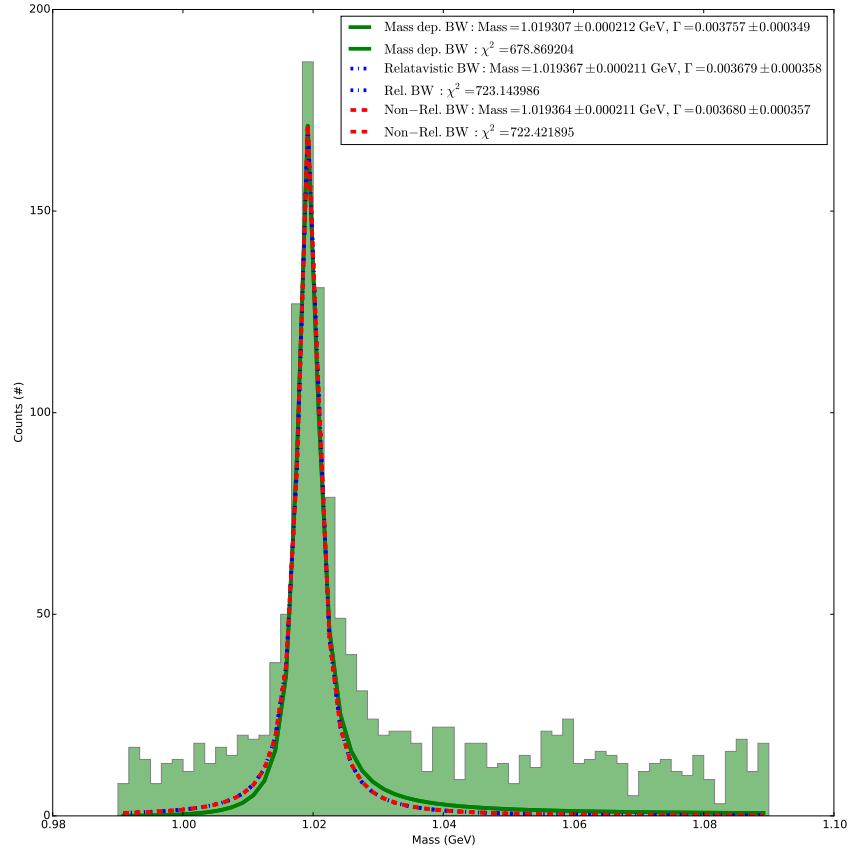


Figure 2: Three Breit-Wigner curves with background fit to data for,  $\phi \rightarrow K^+ K^-$

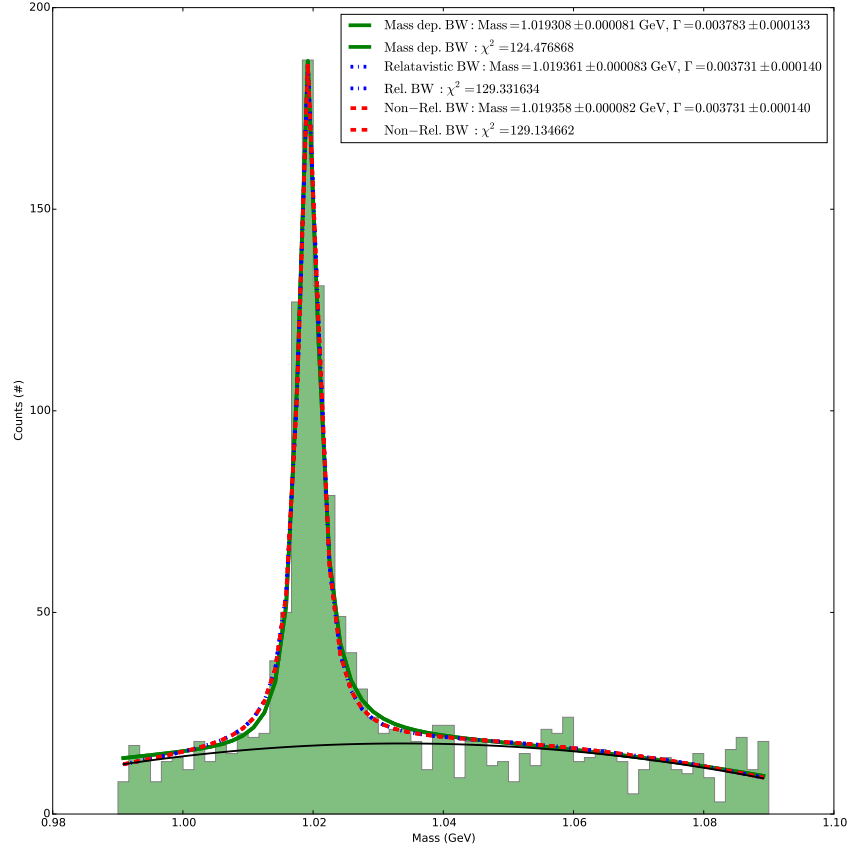


Figure 3: Three Breit-Wigner curves with background fit with background for,  $\phi \rightarrow K^+ K^-$