

# PHYS 721 Homework 4

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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.

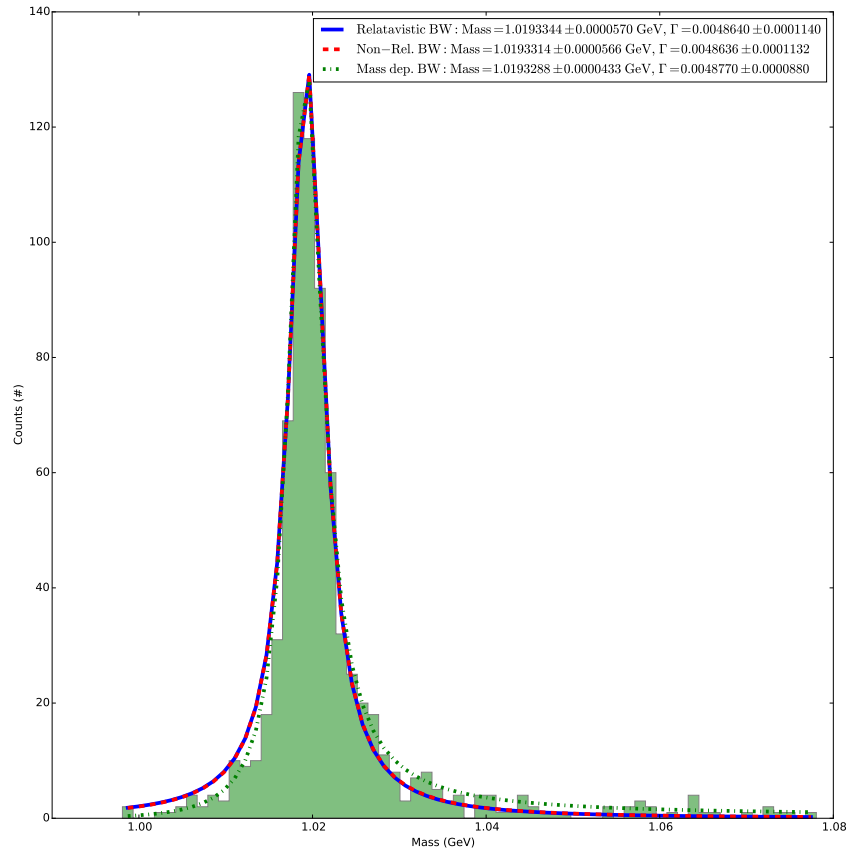
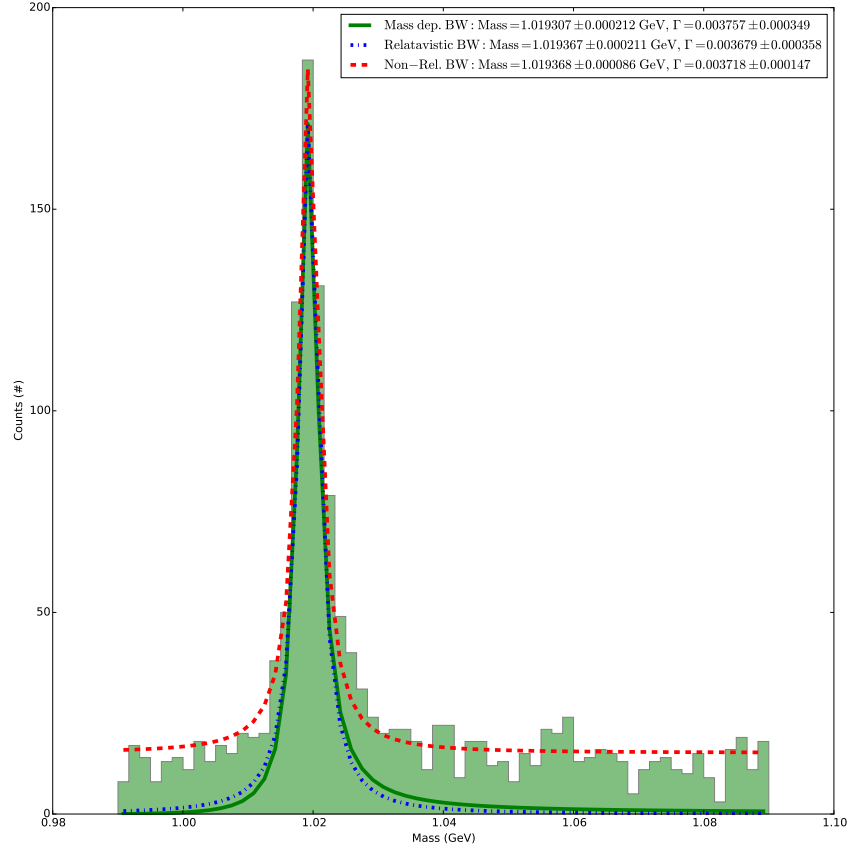


Figure 1: Three Breit-Wigner curves for,  $\phi \rightarrow K^+ K^-$



2.

Figure 2: Three Breit-Wigner curves for,  $\phi \rightarrow K^+ K^-$