

Counts per 2 MeV/c<sup>2</sup>

This Thesis

pp,  $\sqrt{s} = 13.6$  TeV

$D_s^+$ ,  $D^+ \rightarrow \phi \pi^+ \rightarrow K^+ K^- \pi^+$   
and charge conj.

$0.5 < p_T < 1.0$  GeV/c

• Data

$D_s^+$  signal

$D^+$  signal

Combinatorial bkg.

$D^+ \rightarrow \pi^+ K^- \pi^+$  bkg.

Total fit function

