

Counts per 2.00 MeV/c²

This Thesis, pp $\sqrt{s} = 13$ TeV

$|y| < 0.5$; $|\eta_{\text{daughters}}| < 0.8$

$4.20 < p_T < 5.00$ GeV/c

+ Data ($\phi(1020) \rightarrow K^+ K^-$)

— Fit

... Signal

- - - Background

$$\chi^2/\text{NDF} = 3063.48/35 = 87.528$$

$$\mu = 1019.373 \pm 0.098 \text{ MeV}/c^2$$

$$\sigma_\mu = 0.798 \pm 0.228 \text{ MeV}/c^2$$

$$S = 1297.6 \pm 36.9$$

$$B = 67.6 \pm 9.2$$

Fit Status : **SUCCESSFUL**
Err matrix : **ERROR MATRIX ACCURATE**

($K^\pm K^\mp$) Inv. Mass (GeV/c²)