

Events / 50 MeV

**STAR**

$p+p \rightarrow p'+K^+K^-+p'$   $\sqrt{s} = 200$  GeV

$K^\pm$ :  $p_T > 0.3$  GeV

$|\eta| < 0.7$

$\min(p_T^+, p_T^-) < 0.7$  GeV

$p'$ :  $(p_x + 0.3 \text{ GeV})^2 + p_y^2 < 0.25 \text{ GeV}^2$

$0.2 \text{ GeV} < |p_y| < 0.4 \text{ GeV}$

$p_x > -0.2 \text{ GeV}$

200

100

0

1

1.5

2

$m(K^+K^-)$  [GeV]

- Data (opposite-sign)
- Data (same-sign)
- Non-excl. background

