

$d\sigma/d\cos\theta^{\text{CS}}(K^+)$ [nb]

STAR

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

K^+, K^- :

$p_{\text{T}} > 0.3$ GeV

$|\eta| < 0.7$

$\min(p_{\text{T}}^+, p_{\text{T}}^-) < 0.7$ GeV

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

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

$p_x > -0.2 \text{ GeV}$

• Data

■ Syst. uncertainty

— DiMe

— GenEx $\times 0.6(\text{Abs.})$

— Pythia 8 MBR

