

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

STAR

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

$\pi^+, \pi^-:$

$p_{\text{T}} > 0.2$ GeV

$|\eta| < 0.7$

$m(\pi^+ \pi^-) > 1.5$ 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 $\times 0.35(\text{Abs.})$

— Pythia 8 MBR

