

$d\sigma/d\cos\theta^{\text{CS}}(\pi^+)$  [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  $\times 0.35$ (Abs.)
- Pythia 8 MBR

