

Events / 20 MeV

**STAR** $p+p \rightarrow p' + \pi^+ \pi^- + p'$   $\sqrt{s} = 200$  GeV $\pi^+, \pi^-:$   $p_T > 0.2$  GeV  
 $|\eta| < 0.7$  $p':$   $(p_x + 0.3 \text{ GeV})^2 + p_y^2 < 0.25 \text{ GeV}^2$   
 $0.2 \text{ GeV} < |p_y| < 0.4 \text{ GeV}$   
 $p_x > -0.2 \text{ GeV}$ 

Opposite sign:

Data (non-excl. bkgd)

CD (Pythia 8.1)  
⊕ zero-bias data  
MB (Pythia 8.1)  
⊕ elastic data

Same sign:

Data

CD (Pythia 8.1)  
⊕ zero-bias data  
MB (Pythia 8.1)  
⊕ elastic data

Data / MC

1.5  
1  
0.5

1

2

3

 $m(\pi^+ \pi^-)$  [GeV]