

Events / 50 GeV

STAR $p+p \rightarrow p'+p\bar{p}+p' \quad \sqrt{s} = 200 \text{ GeV}$ $p, \bar{p}: p_T > 0.4 \text{ GeV}$ $|\eta| < 0.7$ $\min(p_T^+, p_T^-) < 1.1 \text{ GeV}$ $p': (p_x + 0.3 \text{ GeV})^2 + p_y^2 < 0.25 \text{ GeV}^2$ $0.2 \text{ GeV} < |p_y| < 0.4 \text{ GeV}$ $p_x > -0.2 \text{ GeV}$

● Data

Signal

Non-excl. bkgd

Total fit

 $\mu = -4.5 \pm 5.9 \text{ MeV}$ $\sigma = 32.8 \pm 5.5 \text{ MeV}$ $\chi^2/\text{NDF} = 10.6/4$ 