



Counts / 40 MeV/c

STAR
Internal

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

$$p_T(K^-), p_T(K^+) > 0.3 \text{ GeV}/c, -1 < \eta(K^-), \eta(K^+) < 1$$

$$|p_y| > 0.2 \text{ GeV}/c, (p_x + 0.3 \text{ GeV}/c)^2 + p_y^2 < (0.46 \text{ GeV}/c)^2$$

$$(p_x - 0.15 \text{ GeV}/c)^2 + p_y^2 < (0.42 \text{ GeV}/c)^2$$

Opposite-sign pairs (signal sample)

Same-sign pairs (control sample)

• Data (stat. error)

• Data (stat. error)

CD (Pythia 8.1), 2 CH + >0 N

CD (Pythia 8.1)

CD (Pythia 8.1), >2 CH + ≥0 N

Data/MC



