

91.2 GeV ee

 γ^*/Z (Hadronic)

$$R_{K^+}^q = \# \frac{1}{2N_{\text{events}}} \# \frac{d}{dx_p} [N(q \rightarrow K^+) + N(\bar{q} \rightarrow K^-)]$$

 $R_{K^+}^q$ 10^2

10

1

 10^{-1} 10^{-2} 10^{-3}

■ SLD

- - ■ Pythia 6.426 default

- - ▲ Pythia 8.244 default

(SLD_2004_I630327)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to SLD

2

1

0.5

2

1

0.5

 x_p

0

0.2

0.4

0.6

0.8