

91.2 GeV ee

 $\gamma^*/Z$  (Hadronic)

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

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

■ SLD  
—▲ Pythia 8.165 default

(SLD\_2004\_I630327)

Ratio to SLD

2

1

0.5

 $x_p$ 