

91.2 GeV ee

 γ^*/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, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

- SLD
- Pythia 6.428 345
- Pythia 6.428 346
- △- Pythia 6.428 370
- Pythia 6.428 default
- ▲- Pythia 8.165 default

(SLD_2004_I630327)

Ratio to SLD

2

1

0.5

 x_p 