

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,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

- SLD
- ▲ Pythia 8.315 default
- ★ Pythia 8.315 hoeth
- ▲ Pythia 8.315 jetset
- Pythia 8.315 montull
- Pythia 8.315 tune-cmw

(SLD\_2004\_I630327)

Ratio to SLD

2

1

0.5

 $x_p$ 