

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:1306.3436]

- SLD
- Herwig++ 2.7.1 default
- ▲ Pythia 8.315 default
- ▼ Pythia 8.315 vincia-default
- ◆ Sherpa 2.2.9 default
- ▼ Vincia 1.1.02\_8.185 default

(SLD\_2004\_I630327)

Ratio to SLD

2

1

0.5

 $x_p$ 