

Toward N_{chg} density vs. $p_{\text{T}}^{\text{trk1}}$, $\sqrt{s} = \{7 \text{ TeV}\}$, $p_{\text{T}} > \{100 \text{ MeV}\}$

- ATLAS
- +— Epos 1.99.crmc.1.6.0 lhc
- - □ Herwig 7.2.1 default
- - △ Pythia 6.428 370
- ⋯ ♦ Sherpa 2.2.9 default

 $\langle d^2 N_{\text{chg}} / d\eta d\phi \rangle$ 7
6
5
4
3
2
1
0Rivet 4.1.0, $\geq 100\text{k}$ events
mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2010_I879407)

Ratio to ATLAS

2
1
0.52
1
0.50 5 10 15 20
 p_{T} (leading track) [GeV]