

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

- ATLAS
- △ Pythia 6.428 370
- Pythia 6.428 default
- ▲ Pythia 8.315 default

 $\langle d^2 N_{\text{chg}} / d\eta d\phi \rangle$ 4.5
4
3.5
3
2.5
2
1.5
1
0.5
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
0.5 p_{T} (leading track) [GeV]

0 5 10 15 20