

13000 GeV pp

Z+Jet

Scalar $\Sigma(p_T)$ (ATLAS UE in Z production)

- ATLAS
- △ Pythia 6.428 370
- Pythia 6.428 default
- ▲ Pythia 8.212 default

 $1/N_{ev} dN_{ev}/d\sum p_T/d\eta d\phi$ [GeV]⁻¹

Rivet 3.1.10, ≥ 300k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2015_11_26531

Ratio to ATLAS

2

1

0.5

 $\sum p_T/d\eta d\phi$ [GeV]