

13000 GeV pp

Underlying Event

Average p_T vs N_{ch} ($|\eta| < 2.5$, $p_T > 0.5$ GeV, $p_{T1} > 1$ GeV, (TRNSMIN))

- ATLAS
- Pythia 6.428 350
- - -▲- - - Pythia 6.428 351
- - -▼- - - Pythia 6.428 352
- - -△- - - Pythia 6.428 353
- - -○- - - Pythia 6.428 354
- - -☆- - - Pythia 6.428 355
- - -□- - - Pythia 6.428 356
- - -●- - - Pythia 6.428 357
- - -●- - - Pythia 6.428 358
- - -■- - - Pythia 6.428 359

Rivet 3.1.10, ≥ 1.8 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2017_I1509919

Ratio to ATLAS

2

1

0.5

 N_{ch} (Trans-min) $\langle \text{mean } p_T \rangle$ [GeV]