Parton-level leading top rapidity, $|y^{t\bar{t}}| \in [0.5,1]$

13000 GeV pp

$t\bar{t}$

$d^2\sigma / d|y^{t\bar{t}}| \, d|y^{t,1}| \, \# \, [\{fb\}]$

- ■ ATLAS
- ○ Pythia 6.428 390
- □ Pythia 6.428 391
- ◇ Pythia 6.428 392
- ✳ Pythia 6.428 396
- ✶ Pythia 6.428 397
- ▼ Pythia 6.428 398

(ATLAS_2022_I2077575)

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

$|y^{t,1}|$