

13000 GeV pp

 $t\bar{t}$ $A_E(\#t\bar{t}\eta_j)$

Energy asymmetry(atlas2021-asy)

- ATLAS
- △— Pythia 6.428 370
- -□- - Pythia 6.428 391
- -■- - Pythia 6.428 default
- ▲— Pythia 8.301 default

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2021_I1941095)

Ratio to ATLAS

2

1

0.5

 $\#t\bar{t}\eta_j$ [rad]