

8000 GeV pp

 $t\bar{t}$ A_C^l vs $y_{t\bar{t}}$ ($\overline{t\bar{t}}$ events, parton level information)

- CMS
- ▲ Pythia 8.308 default
- - * Pythia 8.308 tune-4c
- ...□ Pythia 8.308 tune-4cx

Rivet 3.1.10, ≥ 2.9 M events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2016_I1430892

Ratio to CMS

 $\text{left}|y_{t\bar{t}}|\text{right}$ 