

7000 GeV pp

 $t\bar{t}$ Gap fraction vs scalar veto scale ($p_T^{\text{jets}} > 25 \text{ GeV}$)

- ATLAS
- ▲ Pythia 8.308 default
- Pythia 8.308 tune-A14-CTEQL1
- - - Pythia 8.308 tune-A14-MSTW2008LO
- ⋯ Pythia 8.308 tune-A14-NNPDF2.3LO
- - △ - - Pythia 8.308 tune-CUETP8S1

Rivet 3.1.10, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2012_I1094568

Ratio to ATLAS

2

1

0.5

 $Q_{\text{sum}} [\text{GeV}]$ 