

13000 GeV pp

 $t\bar{t}$ Jet  $p_T$  (ATLAS for leptoquark search)

- ATLAS
- ▲ Pythia 8.170 default
- ◆ Sherpa 2.2.2 default

 $d\sigma/dp_T^j$  [pb/GeV] $10^{-2}$  $10^{-3}$  $10^{-4}$  $10^{-5}$  $10^{-6}$ Rivet 3.1.10,  $\geq 200k$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1718132

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

1000

2000

Leading  $p_T^j$  [GeV]