

7000 GeV pp

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

- ATLAS
- Herwig 7.2.1 default
- △-- Pythia 6.428 370
- ▲-- Pythia 8.315 default
- ...♦... Sherpa 2.2.5 default

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS\_2012\_I1094568)

Ratio to ATLAS

1.8  
1.6  
1.4  
1.2  
1  
0.8  
0.6  
0.4  
2  
1  
0.5100  
200  
300  
400  
2  
1  
0.5