

13000 GeV pp

Jets

Relative  $p_T z_g$  (ATLAS soft-drop observables) $(1/\sigma) d\sigma/dz_g$ 

25

20

15

10

5

0



ATLAS



Pythia 6.428 370



Pythia 6.428 default



Pythia 8.212 default

Rivet 3.1.10,  $\geq 400k$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019\_I1772064

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

20

40

 $z_g$ 