

13000 GeV pp

 $t\bar{t}$ $\Delta\phi(\text{lepton}, \text{jet})$ (ATLAS for leptoquark search)

1

 10^{-1} 10^{-2} 

ATLAS

Pythia 6.428 370

Pythia 6.428 atlas-csc

Pythia 6.428 d6t

Pythia 6.428 default

Pythia 6.428 dw

Pythia 6.428 p0

(ATLAS_2019_I1718132)

Rivet 4.1.0, $\geq 1.5\text{M events}$

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

1

2

3