

7000 GeV pp

Underlying Event

 $\Sigma(E_T) (0.8 < |\eta| < 1.6, p^{ch(neutral)} > 0.5(0.2) \text{ GeV}, E_T^{j1j2} > 20 \text{ GeV}, |\eta^{j1j2}| < 2.5)$

1

 10^{-1} 10^{-2} 10^{-3} 

ATLAS



Pythia 6.428 370



Pythia 6.428 391



Pythia 6.428 default



Pythia 6.428 pro-q20

(ATLAS_2012_I1183818)

Ratio to ATLAS

2

1

0.5

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

0

10

20

30

40