

7000 GeV pp

W

Jet  $p_T$  (( $E_{Tj} > 20, |\eta_j| < 2.8, E_{T\mu} > 20, |\eta_\mu| < 2.4, p_T^{\# \nu} > 25, M_T > 40, \Delta R_{\mu j} > 0.5$ ))

■ ATLAS

—▲ Pythia 8.209 default

 $d\sigma/dp_T$  [pb/GeV] $10^2$ 

10

1

ATLAS\_2010\_S8919674

Rivet 3.1.10, 500k events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

50

100

 $p_T(1st\ jet)$  [GeV]