

QCD-Rejection

ATLAS Internal

Lead jet, $t\bar{t}$ Selection, No B Overlap

anti- k_t $R=0.7$ LCTopo

$200 \text{ GeV} < p_T^{\text{pruned}} < 350 \text{ GeV}$

$50 \text{ GeV} < m_{\text{jet}}^{\text{pruned}} < 110 \text{ GeV}$

$z = 0.1$, $d = m/p_T$, C/A Pruning, $N_{Q\text{-jets}} = 75$

Data, $\int L dt = 20.3 \pm 0.6 \text{ fb}^{-1}$

$\alpha=0.0001$
 $\alpha=0.001$
 $\alpha=0.1$
 $\alpha=10$
 $\alpha=100$

W-Efficiency

0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1