

ATLAS selection for cross section (I)

PassedE25i or PassedMu20

$p_T(e \text{ or } \mu) > 20 \text{ GeV}$

$E_T^{\text{miss}} > 20 \text{ GeV}$

$N_{\text{jets}} \geq 4$ with $p_T^{\text{jet}} > 20 \text{ GeV}$

$N_{\text{jets}}(p_T^{\text{jet}} > 40) \geq 3$

$|\eta_{\text{lep}}| < 2.5, |\eta_{\text{jet}}| < 2.5$, no lep in crack (1.37, 1.52)

no b-tagging

energy scale dependence is in most cut: how strong?

What is critical?

What is robust?

What's trigger dependence on jet en scale?

