

**ATLAS** Simulation Preliminary

$\sqrt{s} = 14 \text{ TeV}$

$\langle\mu\rangle = 200$

Muon  $p_T \geq 5 \text{ GeV}$

True Positive Rate (Efficiency)

1.2  
1.0  
0.8  
0.6  
0.4  
0.2  
0.0

False Positive Rate

ROC curve (AUC = 0.9997)  
Random classifier

0.0 0.2 0.4 0.6 0.8 1.0