

**ATLAS** Simulation Preliminary

$\sqrt{s} = 14$  TeV

$\langle\mu\rangle = 200$

Muon  $p_T \geq 5$  GeV

True Positive Rate (Efficiency)

1.2

1.0

0.8

0.6

0.4

0.2

0.0

0.0

0.2

0.4

0.6

0.8

1.0

False Positive Rate

ROC curve (AUC = 0.9997)

Random classifier

