

ATLAS Simulation Internal

$\sqrt{s} = 14$ TeV, HL-LHC

$\langle \mu \rangle = 200$

$t\bar{t}, J/\psi, Z \rightarrow \mu\mu$

Muon $p_T \geq 5$ GeV

1.0025

1.0000

0.9975

0.9950

0.9925

0.9900

0.9875

0.4

0.5

0.6

0.7

0.8

0.9

Hit Purity (Precision)

0.99

0.98

0.97

0.96

0.95

Efficiency (Working Point)

Working Point 0.9900

Background Rejection Rate

