

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

Count

10^5

10^4

10^3

10^2

10^1

0

25

75

100

125

150

175

200

Truth Muon p_T [GeV]

