

L1Mu trigger algorithm comparison  $1.2 \leq |\eta| \leq 1.6$ , 14TeV, PU140

Trigger efficiency

**CMS PhaseII Simulation**

Prompt L1Mu trigger  $p_T \geq 7$  GeV

—  $|dxy| \leq 5$  cm

—  $5 < |dxy| \leq 50$  cm

Displaced L1Mu trigger  $p_T \geq 7$  GeV

—  $|dxy| \leq 5$  cm

—  $5 < |dxy| \leq 50$  cm

True Muon  $p_T$  [GeV]

