

L1Mu trigger algorithm comparison $2.0 \leq |\eta| \leq 2.2$, 14TeV, PU140

Trigger efficiency

CMS PhaseII Simulation

Prompt L1Mu trigger $p_T \geq 3_{-}$ GeV

— $|\text{dxy}| \leq 5$ cm

— $5 < |\text{dxy}| \leq 50$ cm

Displaced L1Mu trigger $p_T \geq 3_{-}$ GeV

— $|\text{dxy}| \leq 5$ cm

— $5 < |\text{dxy}| \leq 50$ cm

True Muon p_T [GeV]

