

L1 trigger efficiency

 $p_{\text{T}}^{\text{sim}} > 30$ GeV1.05
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6

1.6

1.7

1.8

1.9

2.0

2.1

2.2

2.3

2.4

2.5

Simulated $|\eta|$ — \triangle —

L1Mu w/ GE21 (inputs to L1Trk+L1Mu)

— \square —

L1Mu w/o GE21

— \blacksquare —CSC+GE11+GE21: hits in ME11, $p_{\text{T}}^{\text{L1}} \geq 25$ GeV (Standalone L1Mu)— \bullet —CSC+GE11: hits in ME11, $p_{\text{T}}^{\text{L1}} \geq 25$ GeV (Standalone L1Mu)