

L1 Trigger rate [kHz]

Prompt muon trigger

L1 Muon with EMTFQ $\geq 4$ 

- △— No pt cut
- $p_T^{L1} > 10$  GeV
- $p_T^{L1} > 10$  GeV + L1Mu with ME0
- $p_T^{L1} > 10$  GeV + L1Mu with ME0+ME0 bending cut

1

1.2

1.4

1.6

1.8

2

2.2

2.4

L1Mu  $|\eta|$  $10^3$  $10^2$ 

10

1

No pt cut

 $p_T^{L1} > 10$  GeV $p_T^{L1} > 10$  GeV + L1Mu with ME0 $p_T^{L1} > 10$  GeV + L1Mu with ME0+ME0 bending cut