

$\chi^2/\text{dof} = 3.2/5$ (p-value: 0.6719)

$\chi^2/\text{dof} = 3.4/5$ (p-value: 0.6339)

Single μ Efficiency

CMS Preliminary
pp $\sqrt{s_{\text{NN}}} = 5.02$ TeV

Trigger Efficiency

$(p_{\text{T}}^{\mu} > 1.8, |\eta| \in [2.1, 2.4])$

—●— MC PYTHIA+EvtGen: $0.7417^{+0.001}_{-0.001}$

—□— Data: $0.8260^{+0.002}_{-0.002}$

— (0.39*(TMath::Erf((x-1.56)/1.71)*TMath::Exp(-0.00*x)))+0.49

— (0.47*(TMath::Erf((x-0.49)/2.41)*TMath::Exp(-0.01*x)))+0.45

$\chi^2/\text{dof} = 2.7/10$ (p-value: 0.9871)

