

Selection: **b**-tagged control region38.2 fb⁻¹ (13 TeV)

Events/30 GeV

CMS*Preliminary*

+ Data

QCD \bar{m} PDF $t\bar{t}$ \bar{m} PDF**Fit parameters:** $t\bar{t}$ norm = 1.16 ± 0.08 $t\bar{t}$ shift = 6.5 ± 2.1 GeV $t\bar{t}$ stretch = $(+15.9 \pm 4.7)\%$ QCD shift = 2.8 ± 5.1 GeVQCD stretch = $(+14.4 \pm 3.0)\%$

Pull

0 200 400 600 800

 \bar{m} [GeV]