59.0 fb⁻¹ (13 TeV) 2018 Events JES_PileupPtRef₁₈ (central) CMS 22000 $(sys + 1\sigma)$ Simulation (sys -1σ) 20000 single top V+jets 18000 16000 14000 12000 10000 $|\Delta_y| < 1.0$ 8000 $|\Delta_y| > 1.0$ 6000 4000 2000 rel unc tt 0.005 0 -0.005310-340 320-360 460-560 210-230 230-250 250-270 270-290 290-310 340-380 380-440 100-280 280-320 360-400 400-460 100-210 440-3000 560-3000

 M_{bl} [GeV/c²]