35.8 fb⁻¹ (13 TeV) 2016 Events JES_PileupPtHF₁₆ central) CMS 12000 $(sys + 1\sigma)$ Simulation (sys -1σ) single top V+jets 10000 8000 6000 $|\Delta_y| < 1.0$ 4000 2000 rel unc tt 0.0001 -0.0001320-360 310-340 340-380 440-3000 210-230 230-250 250-270 270-290 290-310 380-440 100-280 280-320 360-400 400-460 460-560 560-3000

 M_{bl} [GeV/c²]