59.0 fb⁻¹ (13 TeV) 2018 Events JES_PileupPtEC1₁₈ 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 tī 20000 0 -20000440-3000 210-230 230-250 250-270 270-290 290-310 310-340 340-380 380-440 100-280 280-320 320-360 400-460 460-560 360-400 560-3000