CMS, L = 19.5 fb⁻¹, \sqrt{s} = 8 TeV 10⁷ Events W/t \bar{t} (e/ μ + ν)+jets Data Z ($v\overline{v}$)+jets W/t \bar{t} (τ_{hadr} + ν)+jets QCD 10⁶ 300<1∕450 $M_T>600$ $1000,200<M_T<300$ Total uncertainty on background prediction 300<**//**1450 450<H_T<600 H_T [GeV] 10⁵ **⊮**_T [GeV] 10⁴ 800<H₊<1000, M₊>20C 1000<H₊<1250, M₊>200 1250<H₊<1500, M₊>200 $H_T > 1500, M_T > 200$ 10³ 10² 10 (Data-Pred.)/Pred. 0.5 -0.5 $N_{\text{Jets}} = 3-5$ $N_{\text{Jets}} = 6-7$ $N_{Jets} \ge 8$