CMS Work in Progress $41.5 \text{ fb}^{-1} (13 \text{ TeV})$ ggF, SR 10^{6} QCD multijet ttH γ + jets VΗ $W(\rightarrow \ell \nu) + jets$ Drell-Yan **VBF** EWK V + 2 jets Single Top ggF $t\bar{t}X$ + jets $t\bar{t}$ + jets 10^{5} $Z(\rightarrow vv) + jets$ Multiboson 10^{4} Number of Events / 0.1 10^{3} 10^2 10^{1} 10⁰ 10^{-1} 0.2 0.0 0.4 0.6 8.0 1.0 1.2 1.4 1.6 $\tilde{\omega}_{\mathsf{min}}$ (rad)