

single H / HH analysis	HH $\rightarrow \gamma\gamma b\bar{b}$	HH $\rightarrow \tau\tau b\bar{b}$	HH $\rightarrow 4b$	VHH $\rightarrow b\bar{b}b\bar{b}$	HH (leptons)	HH $\rightarrow WWb\bar{b}$
H $\rightarrow \gamma\gamma$	$\mathcal{X}$	✓	✓	✓	✓	✓
H $\rightarrow WW$	✓	✓	✓	✓	$\mathcal{X}$	$\mathcal{X}$
t $\bar{t}$ H (leptons)	✓	$\mathcal{X}$	✓	✓	✓	$\mathcal{X}$
H $\rightarrow \mu\mu$	✓	✓	✓	✓	✓	✓
H $\rightarrow ZZ \rightarrow 4l$	✓	✓	✓	✓	✓	✓
H $\rightarrow b\bar{b}$ (ggH, VH, t $\bar{t}$ H)	✓	$\mathcal{X}$	$\mathcal{X}$	✓	✓	$\mathcal{X}$
H $\rightarrow \tau\tau$	✓	$\mathcal{X}$	✓	✓	✓	✓
VHH $\rightarrow b\bar{b}b\bar{b}$	✓	✓	$\mathcal{X}$	✓	✓	✓