

Analysis	Int. luminosity ( $\text{fb}^{-1}$ )	Targeted production modes	References
$HH \rightarrow \gamma\gamma b\bar{b}$	138	$ggHH$ and $qqHH$	[36]
$HH \rightarrow \tau\tau b\bar{b}$	138	$ggHH$ and $qqHH$	[45]
$HH \rightarrow 4b$	138	$ggHH$ , $qqHH$ and $VHH$	[46,47,none-none-none-none]
$HH \rightarrow \text{leptons}$	138	$ggHH$	[49]
$HH \rightarrow WWb\bar{b}$	138	$ggHH$ and $qqHH$	[none-none-none-none]