

Sample	Low- $p_{\text{T}}^{\text{miss}}$ Yield	High- $p_{\text{T}}^{\text{miss}}$ Yield
SM $h \rightarrow \gamma\gamma$ (Vh)	$3.2 \pm 0.1(\text{stat}) \pm 0.2(\text{syst})$	$1.41 \pm 0.10(\text{stat}) \pm 0.09(\text{syst})$
SM $h \rightarrow \gamma\gamma$ (ggF,tth,VBF)	$5.7 \pm 0.3(\text{stat}) \pm 1.2(\text{syst})$	$0.11 \pm 0.01(\text{stat}) \pm 0.01(\text{syst})$
nonresonant background	$125.1 \pm 11.2(\text{stat})$	$4.5 \pm 2.1(\text{stat})$
Total expected	$134.1 \pm 11.3(\text{stat}) \pm 1.2(\text{syst})$	$6.02 \pm 2.1(\text{stat}) \pm 0.09(\text{syst})$
Observed	190	6