

Process	Event yield (two most signal-like bins)		
	$\tau_{\text{had}}\tau_{\text{had}}$	$\tau_{\text{lep}}\tau_{\text{had}}$ SLT	$\tau_{\text{lep}}\tau_{\text{had}}$ LTT
SM HH (ggF + VBF)	2.37 ± 0.39	1.34 ± 0.23	0.381 ± 0.066
Top-quark	3.80 ± 0.64	8.2 ± 1.8	6.55 ± 0.89
$Z \rightarrow \tau^+\tau^- + \text{HF}$	8.3 ± 1.2	6.0 ± 1.0	5.02 ± 0.88
Single Higgs boson	4.3 ± 1.1	2.71 ± 0.51	0.79 ± 0.20
Jet \rightarrow fake $\tau_{\text{had-vis}}$ (combined)	–	2.35 ± 0.56	2.36 ± 0.84
Jet \rightarrow fake $\tau_{\text{had-vis}}$ (multi-jet)	1.94 ± 0.51	–	–
Jet \rightarrow fake $\tau_{\text{had-vis}}$ ($t\bar{t}$)	2.87 ± 0.46	–	–
Other backgrounds	1.54 ± 0.38	1.98 ± 0.24	0.72 ± 0.11
Total background	22.8 ± 1.9	21.2 ± 2.1	15.4 ± 1.7
Observed data	23	22	13