

Process	Event yield					
	$\tau_{\text{had}}\tau_{\text{had}}$		$\tau_{\text{lep}}\tau_{\text{had}}$ SLT		$\tau_{\text{lep}}\tau_{\text{had}}$ LTT	
SM HH (ggF + VBF)	5.16 ± 0.84		5.9 ± 1.0		1.42 ± 0.24	
Top-quark	3 250	± 160	61 000	$\pm 1\,400$	4 040	± 200
$Z \rightarrow \tau^+\tau^- + \text{HF}$	1 550	± 160	1 620	± 130	529	± 57
Single Higgs boson	66	± 13	148	± 18	23.0	± 4.3
Jet \rightarrow fake $\tau_{\text{had-vis}}$ (combined)	–		34 300	$\pm 1\,500$	1 640	± 170
Jet \rightarrow fake $\tau_{\text{had-vis}}$ (multi-jet)	1 270	± 130	–		–	
Jet \rightarrow fake $\tau_{\text{had-vis}}$ ($t\bar{t}$)	2 080	± 200	–		–	
Other backgrounds	196	± 33	1 308	± 86	121	± 14
Total background	8 414	± 90	98 430	± 390	6 357	± 79
Observed data	8 380		98 456		6 351	