Process	$\tau_h\tau_h$	$\tau_\mu\tau_\mathrm{h}$	$\tau_e\tau_\mathrm{h}$	$\tau_e\tau_\mu$
Drell-Yan	8 ± 3	882 ± 127	375 ± 40	321 ± 37
W+jets	0.1 ± 0.1	916 ± 96	456 ± 35	19 ± 6
Diboson	0.5 ± 0.5	29 ± 7	18 ± 4	108 ± 11
$t\bar{t}$	–	26 ± 7	26 ± 6	223 ± 20
Multijet	49 ± 13	122 ± 84	250 ± 50	36 ± 16
Total	58 ± 13	1976 ± 180	1125 ± 73	707 ± 47
Observed	55	1807	1113	728
Z'_{SSM} (1.0 TeV)	45 ± 3	53 ± 4	19.1 ± 1.4	24.7 ± 1.9
Z'_{SSM} (1.5 TeV)	8.6 ± 0.4	9.4 ± 0.4	3.0 ± 0.1	4.7 ± 0.3
Z'_{SSM} (2.0 TeV)	2.1 ± 0.1	2.3 ± 0.1	0.77 ± 0.04	1.2 ± 0.05

Process	$\tau_h\tau_h$	$\tau_\mu\tau_\mathrm{h}$	$\tau_e\tau_\mathrm{h}$	$\tau_e\tau_\mu$
Drell-Yan	5 ± 2	16 ± 4	9 ± 4	4 ± 3
W+jets	0.004 ± 0.004	23 ± 9	7 ± 5	0.2 ± 0.5
Diboson	0.02 ± 0.02	6 ± 3	3 ± 2	23 ± 5
$t\bar{t}$	–	4 ± 2	5 ± 3	65 ± 12
Multijet	18 ± 6	4 ± 3	9 ± 3	0.8 ± 1.0
Total	23 ± 6	51 ± 11	33 ± 8	93 ± 13
Observed	20	42	40	96
Z'_{SSM} (1.0 TeV)	44 ± 3	49 ± 4	18.1 ± 1.3	21.1 ± 1.6
Z'_{SSM} (1.5 TeV)	8.5 ± 0.4	9.0 ± 0.4	2.9 ± 0.1	4.4 ± 0.3
Z'_{SSM} (2.0 TeV)	2.1 ± 0.1	2.3 ± 0.1	0.77 ± 0.04	1.2 ± 0.05