

Process	$\tau\tau_\mu$	$\tau\tau_h$	$\tau_\mu\tau_h$	$\tau_h\tau_h$
Drell–Yan	321 ± 37	375 ± 40	882 ± 130	8 ± 3
W+jets	19 ± 6	456 ± 35	916 ± 96	0.1 ± 0.1
Diboson	108 ± 11	18 ± 4	29 ± 7	0.5 ± 0.5
$t\bar{t}$	223 ± 20	26 ± 6	26 ± 7	—
QCD multijet	36 ± 16	250 ± 50	122 ± 84	49 ± 13
Total	707 ± 47	1125 ± 73	1976 ± 180	58 ± 13
Observed	728	1113	1807	55
$Z'_{\text{SSM}} (1.0 \text{ TeV})$	24.7 ± 1.9	19.1 ± 1.4	53 ± 4	45 ± 3
$Z'_{\text{SSM}} (1.5 \text{ TeV})$	4.7 ± 0.3	3.0 ± 0.1	9.4 ± 0.4	8.6 ± 0.4
$Z'_{\text{SSM}} (2.0 \text{ TeV})$	1.2 ± 0.05	0.77 ± 0.04	2.3 ± 0.1	2.1 ± 0.1

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