

	$t_l\tau_{\text{had-1j}}$	$t_l\tau_{\text{had-2j}}$	$t_h\tau_{\text{lep}}\tau_{\text{had-3j}}$	$t_h\tau_{\text{lep}}\tau_{\text{had-2j}}$	$t_l\tau_{\text{had}}\tau_{\text{had}}$
Double Fake	--	--	--	--	73 ± 24
$t\bar{t}V$	9.3 ± 1.2	22.6 ± 2.8	23.5 ± 3.0	13.7 ± 1.7	2.57 ± 0.35
SM Higgs	5.8 ± 0.8	13.7 ± 1.7	32.8 ± 3.5	13.5 ± 2.5	16.7 ± 1.9
Diboson	32.6 ± 3.4	19.9 ± 2.1	36 ± 4	46 ± 5	13.2 ± 1.4
Other MC	35.6 ± 3.1	15.9 ± 1.7	226 ± 21	620 ± 40	6.7 ± 0.6
$Z \rightarrow \tau\tau$	0 ± 6	9.1 ± 2.2	500 ± 60	880 ± 90	2.1 ± 0.7
Lep Fake	212 ± 30	80 ± 10	292 ± 26	490 ± 70	0.9 ± 0.4
QCD Fake	670 ± 200	310 ± 90	180 ± 70	330 ± 110	--
b Fake	960 ± 140	1250 ± 230	710 ± 140	710 ± 130	82 ± 13
W-jet Fake	970 ± 200	1090 ± 240	3300 ± 500	3800 ± 600	5.5 ± 1.8
Other Fake	3020 ± 260	2470 ± 160	1420 ± 220	1320 ± 320	129 ± 14
$t\bar{t}$	281 ± 14	195 ± 24	7100 ± 400	11800 ± 500	7.7 ± 2.7
Total background	6200 ± 170	5480 ± 100	13820 ± 140	20000 ± 170	339 ± 27
tcH	30 ± 5	27 ± 4	51 ± 8	34 ± 6	36 ± 5
tuH	36 ± 8	32 ± 5	63 ± 10	45 ± 7	48 ± 7
Data	6353	5410	13804	20000	351

	$t_h\tau_{\text{had}}\tau_{\text{had-2j}}$	$t_h\tau_{\text{had}}\tau_{\text{had-3j}}$
$t\bar{t}V$	0.7 ± 0.4	5.5 ± 1.0
Diboson	8.4 ± 1.6	10.8 ± 1.5
Rare	17.9 ± 3.1	10.2 ± 2.6
SM Higgs	17.4 ± 2.5	25.9 ± 3.1
only τ_{sub} real	56 ± 30	80 ± 50
$t\bar{t}$	221 ± 28	220 ± 40
Fake τ	220 ± 70	270 ± 70
$Z \rightarrow \tau\tau$	490 ± 50	420 ± 50
Total background	1040 ± 35	1040 ± 40
tcH	15.6 ± 2.5	42 ± 8
tuH	23 ± 4	52 ± 10
Data	1033	1052