

Search region	T2bw					T2tt			
	LX	LM	MXHM	HXHM	VHM	LM	MM	HM	VHM
tt and W+jets estimation									
<b>prediction</b>	6.41	30.35	3.37	11.98	2.00	19.76	8.64	3.21	1.00
<b>W+jets fraction</b>	0.17	0.05	0.10	0.17	0.06	0.02	0.00	0.01	0.00
MC statistics	0.84	1.65	0.59	1.22	0.42	1.43	1.18	0.77	0.45
MVA lepton selection SF	1.03	2.24	0.56	1.57	0.35	2.46	0.78	0.29	0.13
Kinematics reweighting stat.	0.20	0.44	0.14	0.26	0.12	0.28	0.22	0.13	0.05
Closure ( $1\ell$ control region)	1.59	2.78	0.65	2.00	0.54	1.52	1.10	0.59	0.23
Closure ( $E_T$ region)	0.05	0.08	0.02	0.10	0.01	0.02	0.00	0.00	0.00
<b>Total uncertainty (yield)</b>	2.08	3.96	1.05	2.83	0.78	3.24	1.81	1.02	0.53
Total uncertainty (%)	32.5	13.0	31.1	23.6	39.1	16.4	20.9	31.7	52.8
Z+jets estimation									
<b>prediction</b>	1.88	4.57	1.66	1.77	1.24	0.69	2.30	1.92	0.59
MC statistics	0.23	0.46	0.24	0.26	0.21	0.18	0.32	0.26	0.14
Kinematics reweighting stat.	0.51	0.62	0.46	0.36	0.38	0.08	0.38	0.54	0.18
Closure ( $Z \rightarrow \ell^+ \ell^-$ control region)	0.73	1.46	0.50	0.57	0.31	0.11	0.74	0.57	0.15
Closure ( $E_T$ region)	0.09	0.23	0.08	0.09	0.06	0.03	0.12	0.10	0.03
<b>Total uncertainty (yield)</b>	0.93	1.67	0.72	0.73	0.54	0.23	0.90	0.84	0.28
Total uncertainty (%)	49.3	36.6	43.6	41.0	43.4	33.5	38.9	43.8	46.4
$t\bar{t}$ estimation									
<b>prediction</b>	0.59	2.46	0.83	1.72	0.62	1.34	2.66	1.62	0.99
Cross section	0.18	0.76	0.26	0.53	0.19	0.42	0.82	0.50	0.31
NLO	0.02	0.10	0.10	0.17	0.02	0.10	0.42	0.24	0.26
Kinematics	0.23	0.79	0.25	0.55	0.20	0.21	0.85	0.49	0.31
Statistical Unc.	0.07	0.15	0.09	0.14	0.08	0.11	0.18	0.15	0.11
<b>Total uncertainty (yield)</b>	0.30	1.11	0.39	0.79	0.29	0.49	1.27	0.75	0.52
Total uncertainty (%)	51.2	45.1	46.3	46.3	47.4	36.6	47.7	46.6	52.3
QCD multijet estimation									
<b>prediction</b>	0.51	0.07	0.10	< 0.01	< 0.01	0.33	< 0.01	< 0.01	< 0.01
MC statistics.	$\pm 0.21$	$\pm 0.06$	$\pm 0.08$	$\pm < 0.01$	$\pm 0.00$	$\pm 0.27$	$\pm < 0.01$	$\pm 0.01$	$\pm 0.01$
Discreet Stat. Unc.	$+0.01$	$+0.01$	$+0.03$	$+0.02$	$+0.01$	$+0.00$	$+0.11$	$+0.02$	$+0.02$
MVA Shape Unc.	$\pm 0.17$	$\pm 0.06$	$\pm 0.08$	$\pm < 0.01$	$\pm < 0.1$	$\pm 0.16$	$\pm < 0.01$	$< \pm 0.0$	$\pm < 0.0$
$\Delta\phi$ Shape Unc.	$+0.58, -0.21$	$+0.54, -0.07$	$+0.07, -0.10$	$+0.01, - < 0.01$	$+0.01, -0.00$	$+1.48, -0.33$	$+0.22, - < 0.01$	$+0.07, - < 0.01$	$+0.01, -0.00$
<b>Unc. PDF Mean</b>	0.71	0.36	0.10	0.01	0.01	0.91	0.17	0.04	0.01
<b>Unc. PDF SD (yield)</b>	0.35	0.19	0.12	0.01	0.01	0.58	0.07	0.02	0.01
Total uncertainty (%)	49.4	53.2	122.5	42.9	40.2	64.2	40.5	49.1	46.5
Single-top estimation									
<b>prediction</b>	< 0.01	< 0.01	0.04	0.08	0.0004	< 0.01	0.00	0.00	0.00
MC statistics	< 0.01	< 0.01	0.04	0.08	0.0005	< 0.01	0.00	0.00	0.00
MVA lepton selection SF	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.00	0.00	0.00
MC modelling	< 0.01	< 0.01	0.02	0.04	< 0.01	< 0.01	0.00	0.00	0.00
<b>Total uncertainty (yield)</b>	< 0.01	< 0.01	0.04	0.09	< 0.01	< 0.01	0.01	< 0.01	< 0.01