

	Data-driven	Simulated	Signal
	[%]	[%]	[%]
Luminosity	—	2.5	2.5
$t\bar{t}$ rate	0.4	5.6	—
DY + jets rate	0.2	10	—
single t rate	0.7	10	—
Diboson rate	< 0.1	20	—
$t\bar{t}$ + V rate	0.1	25	—
Pileup	0.3	< 0.1 – 6.3	< 0.1 – 1.8
JEC	2.1	0.1 – 8.9	0.1 – 2.3
JER	0.5	< 0.1 – 0.6	< 0.1
b-tagging efficiency	< 0.1	0.9 – 3.1	2.7 – 5.7
b-tagging mis-ID	< 0.1	2.6 – 7.4	3.2 – 4.7
μ efficiencies	0.9 – 3.2	0.7 – 3.6	0.6 – 4.9
μ mis-ID rate	0.1	0.4 – 63.1	0.2 – 2.7
e efficiencies	0.6 – 3.6	< 0.1 – 1.8	< 0.1 – 1.5
e mis-ID rate	< 0.1	0.4 – 21.6	< 0.1 – 0.8
Ren. & fact. scales	< 0.1 – 1.0	9.8 – 19.7	—
PDF	< 0.1	1.4 – 25.3	0.5 – 3.7
$\alpha(S_T)$	1.9	—	—