	B-tag(70) eff. b EV 1	$t\bar{t}$+Z cross-section	$t\bar{t}$+W cross-section	$t\bar{t}$ hard scatter gen.	$t\bar{t}$ fragm./hadr. model	$t\bar{t}$ add. radiation	Trigger turn-on	Pile-up	MET scale	Luminosity	FatJet r-track tracking	FatJet r-track modelling	FatJet r-track baseline	JES pile-up rho topo.	JES pile-up p_T term	JES EIC modelling	Jet energy resolution	JES flavor response	JES flavor composition	JES Eff. NP 1	Est. multi-jet norm.	B-tag(70) eff. l EV 4	B-tag(70) eff. l EV 1	B-tag(70) eff. c EV 2	B-tag(70) eff. c EV 1	B-tag(70) eff. b EV 2
B-tag(70) eff. b EV 1	100.0	0.1	0.0	1.7	3.9	6.0	-0.4	1.2	0.1	-4.3	-1.3	-2.7	-12.7	0.8	0.0	0.1	0.7	0.0	8.9	1.6	1.3	0.0	-0.5	0.3	0.1	-0.2
$t\bar{t}$+Z cross-section	0.1	100.0	0.0	-0.3	-0.4	0.6	0.2	0.1	0.1	0.2	-0.3	-0.6	0.6	0.2	0.0	0.1	-0.1	0.0	0.5	0.2	0.8	0.1	-0.2	0.0	0.1	-0.2
$t\bar{t}$+W cross-section	0.0	0.0	100.0	0.1	0.1	-0.1	-0.0	0.0	-0.0	-0.0	-0.0	0.1	-0.1	-0.0	-0.0	0.0	0.0	0.0	-0.0	-0.0	-0.1	0.0	0.0	0.0	-0.0	0.1
$t\bar{t}$ hard scatter gen.	1.7	-0.3	0.1	100.0	-32.5	47.9	-6.5	-14.8	-0.3	-4.1	13.7	25.4	-28.6	4.0	0.1	-0.1	3.0	0.3	0.4	5.6	-14.6	-0.3	-5.0	0.8	0.0	-15.0
$t\bar{t}$ fragm./hadr. model	3.9	-0.4	0.1	-32.5	100.0	11.3	8.4	0.7	-0.1	13.3	-13.4	-8.0	14.5	9.6	0.3	0.4	-1.4	-0.5	6.4	7.5	26.1	0.0	-12.3	-2.3	-0.1	-25.1
$t\bar{t}$ add. radiation	6.0	0.6	-0.1	47.9	11.3	100.0	-3.4	7.6	0.3	-5.5	-5.0	11.1	-14.3	-1.6	-0.2	-0.1	1.3	-0.1	0.9	0.5	-4.0	0.4	3.5	1.5	0.2	15.9
Trigger turn-on	-0.4	0.2	-0.0	-6.5	8.4	-3.4	100.0	-3.1	-0.0	-29.1	-13.2	-3.1	-11.3	-2.6	-0.1	-0.1	0.4	0.2	-20.3	-2.0	-10.8	0.1	-11.9	1.1	0.1	7.3
Pile-up	1.2	0.1	0.0	-14.8	0.7	7.6	-3.1	100.0	0.0	-5.0	0.5	0.1	-10.3	-0.3	0.0	0.1	0.5	0.1	-2.2	0.3	-3.3	-0.0	-2.3	-0.1	0.0	0.4
MET scale	0.1	0.1	-0.0	-0.3	-0.1	0.3	-0.0	0.0	100.0	0.2	-0.2	-0.5	0.6	0.1	0.0	0.1	-0.0	0.0	0.4	0.1	0.3	0.1	-0.1	-0.0	0.0	-0.1
Luminosity	-4.3	0.2	-0.0	-4.1	13.3	-5.5	-29.1	-5.0	0.2	100.0	-28.2	-13.8	-9.1	-4.3	-0.1	-0.1	0.4	0.3	-28.7	-4.4	-14.9	0.1	-21.2	-0.6	0.1	9.0
FatJet r-track tracking	-1.3	-0.3	-0.0	13.7	-13.4	-5.0	-13.2	0.5	-0.2	-28.2	100.0	-30.7	6.4	4.1	0.1	-0.2	0.8	-0.3	-5.0	2.8	14.4	-0.2	-22.4	-1.2	-0.1	-12.8
FatJet r-track modelling	-2.7	-0.6	0.1	25.4	-8.0	11.1	-3.1	0.1	-0.5	-13.8	-30.7	100.0	-73.5	4.2	0.1	0.1	5.6	-0.2	-4.8	7.2	13.1	-0.5	-8.9	1.6	0.1	-11.0
FatJet r-track baseline	-12.7	0.6	-0.1	-28.6	14.5	-14.3	-11.3	-10.3	0.6	-9.1	6.4	-73.5	100.0	-4.7	-0.1	-0.1	-8.2	0.2	46.6	-7.8	-12.7	0.6	-6.0	-5.3	-0.3	6.8
JES pile-up rho topo.	0.8	0.2	-0.0	4.0	9.6	-1.6	-2.6	-0.3	0.1	-4.3	4.1	4.2	-4.7	100.0	-0.1	-0.0	0.3	0.1	-4.5	-2.1	-7.6	0.1	2.7	0.5	0.1	7.6
JES pile-up p_T term	0.0	0.0	-0.0	0.1	0.3	-0.2	-0.1	0.0	0.0	-0.1	0.1	0.1	-0.1	-0.1	100.0	-0.0	0.0	0.0	-0.1	-0.1	-0.2	0.0	0.1	0.0	0.0	0.2
JES EIC modelling	0.1	0.1	0.0	-0.1	0.4	-0.1	-0.1	0.1	0.1	-0.1	-0.2	0.1	-0.1	-0.0	-0.0	100.0	-0.0	-0.0	-0.0	-0.1	-0.1	0.1	0.2	0.1	-0.0	0.4
Jet energy resolution	0.7	-0.1	0.0	3.0	-1.4	1.3	0.4	0.5	-0.0	0.4	0.8	5.6	-8.2	0.3	0.0	-0.0	100.0	-0.0	-3.1	0.6	0.9	-0.1	1.1	0.6	0.0	-1.1
JES flavor response	0.0	0.0	0.0	0.3	-0.5	-0.1	0.2	0.1	0.0	0.3	-0.3	-0.2	0.2	0.1	0.0	-0.0	-0.0	100.0	0.3	0.1	0.6	0.0	-0.1	-0.0	-0.0	-0.4
JES flavor composition	8.9	0.5	-0.0	0.4	6.4	0.9	-20.3	-2.2	0.4	-28.7	-5.0	-4.8	46.6	-4.5	-0.1	-0.0	-3.1	0.3	100.0	-7.6	-13.2	0.3	-12.4	-0.6	-0.2	5.3
JES Eff. NP 1	1.6	0.2	-0.0	5.6	7.5	0.5	-2.0	0.3	0.1	-4.4	2.8	7.2	-7.8	-2.1	-0.1	-0.1	0.6	0.1	-7.6	100.0	-6.5	0.1	2.7	0.4	0.1	6.1
Est. multi-jet norm.	1.3	0.8	-0.1	-14.6	26.1	-4.0	-10.8	-3.3	0.3	-14.9	14.4	13.1	-12.7	-7.6	-0.2	-0.1	0.9	0.6	-13.2	-6.5	100.0	0.4	7.1	1.6	0.3	23.5
B-tag(70) eff. l EV 4	0.0	0.1	0.0	-0.3	0.0	0.4	0.1	-0.0	0.1	0.1	-0.2	-0.5	0.6	0.1	0.0	0.1	-0.1	0.0	0.3	0.1	0.4	100.0	-0.1	-0.0	0.0	0.0
B-tag(70) eff. l EV 1	-0.5	-0.2	0.0	-5.0	-12.3	3.5	-11.9	-2.3	-0.1	-21.2	-22.4	-8.9	-6.0	2.7	0.1	0.2	1.1	-0.1	-12.4	2.7	7.1	-0.1	100.0	-1.0	0.0	-8.8
B-tag(70) eff. c EV 2	0.3	0.0	0.0	0.8	-2.3	1.5	1.1	-0.1	-0.0	-0.6	-1.2	1.6	-5.3	0.5	0.0	0.1	0.6	-0.0	-0.6	0.4	1.6	-0.0	-1.0	100.0	-0.0	-2.4
B-tag(70) eff. c EV 1	0.1	0.1	-0.0	0.0	-0.1	0.2	0.1	0.0	0.0	0.1	-0.1	0.1	-0.3	0.1	0.0	-0.0	0.0	-0.0	-0.2	0.1	0.3	0.0	0.0	-0.0	100.0	-0.0
B-tag(70) eff. b EV 2	-0.2	-0.2	0.1	-15.0	-25.1	15.9	7.3	0.4	-0.1	9.0	-12.8	-11.0	6.8	7.6	0.2	0.4	-1.1	-0.4	5.3	6.1	23.5	0.0	-8.8	-2.4	-0.0	100.0