

Diboson NLO gen. + PS + had.	Electron ID eff.	100.0	-0.1	-0.0	-0.0	0.0	-1.0	0.1	0.5	-0.1	0.2	-0.1	0.6	0.0	-0.6	0.3	0.5	0.3	0.0	-0.2	-7.2	-22.1	-0.3
	Electron isol. eff. (syst)	-0.1	100.0	-0.0	0.0	0.0	-0.1	0.2	0.4	-0.0	0.1	-0.0	0.3	-0.0	-0.4	0.0	0.2	-0.0	0.0	0.1	-6.5	-19.2	0.1
	b-tag Eigenvar. 0	-0.0	-0.0	100.0	-0.0	0.0	0.2	-0.2	-0.2	-0.0	-0.2	-0.0	-0.1	0.1	-0.0	0.2	0.1	0.2	-0.0	0.2	15.5	25.6	-0.8
	c-tag Eigenvar. 0	-0.0	0.0	-0.0	100.0	-0.0	-1.5	-0.3	-0.3	-0.0	-0.4	0.0	-1.1	0.3	0.3	0.9	0.4	1.0	0.0	0.2	23.9	0.4	-0.1
	light-tag Eigenvar. 0	0.0	0.0	0.0	-0.0	100.0	-0.8	-0.5	-0.7	0.0	-0.2	0.0	-0.5	0.2	0.5	0.5	0.1	0.5	-0.0	-0.2	26.9	21.9	0.2
	JER EffectiveNP 1	-1.0	-0.1	0.2	-1.5	-0.8	100.0	-1.6	-3.1	-0.4	1.9	0.2	-3.1	1.6	0.9	15.2	10.0	15.9	-0.9	-7.0	-19.7	15.3	-11.3
	JES flavour composition	0.1	0.2	-0.2	-0.3	-0.5	-1.6	100.0	-10.6	0.2	-2.7	0.3	4.8	0.5	2.8	4.5	1.7	4.9	-0.5	-5.3	-35.3	4.7	-1.6
	JES pileup ρ topology	0.5	0.4	-0.2	-0.3	-0.7	-3.1	-10.6	100.0	0.5	-2.4	0.5	2.8	0.4	4.7	3.1	-0.4	3.7	-0.6	-5.1	-35.9	-20.9	1.0
	Muon isol. eff. (syst)	-0.1	-0.0	-0.0	-0.0	0.0	-0.4	0.2	0.5	100.0	0.1	-0.0	0.4	-0.0	-0.5	0.1	0.3	0.1	0.0	-0.1	-9.9	-21.6	0.0
	Pile-up rew.	0.2	0.1	-0.2	-0.4	-0.2	1.9	-2.7	-2.4	0.1	100.0	0.1	-1.4	0.3	1.3	1.2	-0.0	1.3	0.2	0.9	-13.8	-24.0	1.9
	Luminosity	-0.1	-0.0	-0.0	0.0	0.0	0.2	0.3	0.5	-0.0	0.1	100.0	0.3	-0.1	-0.4	-0.1	0.1	-0.2	0.0	0.1	-8.1	-19.6	0.2
	Diboson NLO gen. + PS + had.	0.6	0.3	-0.1	-1.1	-0.5	-3.1	4.8	2.8	0.4	-1.4	0.3	100.0	10.9	3.3	2.2	0.1	2.4	1.0	8.7	15.2	-2.4	18.0
	Diboson NNPDF30 37	0.0	-0.0	0.1	0.3	0.2	1.6	0.5	0.4	-0.0	0.3	-0.1	10.9	100.0	-0.3	-0.8	-0.3	-0.9	0.1	0.4	-24.2	-0.8	2.3
	Tau fake norm.	-0.6	-0.4	-0.0	0.3	0.5	0.9	2.8	4.7	-0.5	1.3	-0.4	3.3	-0.3	100.0	-1.0	1.5	-1.3	0.0	0.5	-15.9	-11.1	-6.6
	tW (DR vs. DS)	0.3	0.0	0.2	0.9	0.5	15.2	4.5	3.1	0.1	1.2	-0.1	2.2	-0.8	-1.0	100.0	1.5	-2.0	-0.0	3.1	-17.0	37.3	-0.3
	tW NLO gen.	0.5	0.2	0.1	0.4	0.1	10.0	1.7	-0.4	0.3	-0.0	0.1	0.1	-0.3	1.5	1.5	100.0	1.4	-0.1	1.9	-6.4	38.8	-0.0
	tW PS + had.	0.3	-0.0	0.2	1.0	0.5	15.9	4.9	3.7	0.1	1.3	-0.2	2.4	-0.9	-1.3	-2.0	1.4	100.0	0.0	3.3	-18.5	35.9	-0.3
	tHq PS + had.	0.0	0.0	-0.0	0.0	-0.0	-0.9	-0.5	-0.6	0.0	0.2	0.0	1.0	0.1	0.0	-0.0	-0.1	0.0	100.0	-1.6	2.1	3.5	-50.7
	$t\bar{t}$ FSR	-0.2	0.1	0.2	0.2	-0.2	-7.0	-5.3	-5.1	-0.1	0.9	0.1	8.7	0.4	0.5	3.1	1.9	3.3	-1.6	100.0	17.5	2.7	-25.1
	$k(Z+\text{jets})$	-7.2	-6.5	15.5	23.9	26.9	-19.7	-35.3	-35.9	-9.9	-13.8	-8.1	15.2	-24.2	-15.9	-17.0	-6.4	-18.5	2.1	17.5	100.0	12.7	7.9
	$k(t\bar{t})$	-22.1	-19.2	25.6	0.4	21.9	15.3	4.7	-20.9	-21.6	-24.0	-19.6	-2.4	-0.8	-11.1	37.3	38.8	35.9	3.5	2.7	12.7	100.0	-7.8
	$\mu(tHq)$	-0.3	0.1	-0.8	-0.1	0.2	-11.3	-1.6	1.0	0.0	1.9	0.2	18.0	2.3	-6.6	-0.3	-0.0	-0.3	-50.7	-25.1	7.9	-7.8	100.0
		Electron ID eff.	Electron isol. eff. (syst)	b-tag Eigenvar. 0	c-tag Eigenvar. 0	light-tag Eigenvar. 0	JER EffectiveNP 1	JES flavour composition	JES pileup ρ topology	Muon isol. eff. (syst)	Pile-up rew.	Luminosity	Diboson NLO gen. + PS + had.	Diboson NNPDF30 37	Tau fake norm.	tW (DR vs. DS)	tW NLO gen.	tW PS + had.	tHq PS + had.	$t\bar{t}$ FSR	$k(Z+\text{jets})$	$k(t\bar{t})$	$\mu(tHq)$