c-tag Eigenvar. 0	100.0	-0.0	-1.3	-0.1	-0.2	-0.1	-0.2	-0.0	-0.3	0.3	0.2	0.2	0.2	0.2	1.6	-0.4	23.0	-0.7	
light-tag Eigenvar. 0	-0.0	100.0	-0.8	-0.2	-0.3	-0.2	-0.5	-0.0	-0.1	0.2	0.3	0.0	0.0	0.0	1.3	0.1	25.6	11.5	
JER EffectiveNP 1	-1.3	-0.8	100.0	1.3	4.0	1.7	1.0	-0.1	0.6	1.1	3.3	1.9	1.8	1.8	17.0	-2.9	-27.6	-4.6	
JES η intercalibration modelling	-0.1	-0.2	1.3	100.0	-3.7	-1.9	-3.6	0.1	-1.1	-0.1	1.3	-0.1	-0.1	-0.1	4.8	1.1	-18.9	-2.1	
JES flavour composition	-0.2	-0.3	4.0	-3.7	100.0	-4.2	-7.6	0.2	-2.7	-0.5	2.4	-0.1	-0.1	-0.1	9.9	1.9	-39.6	-4.6	
JES pileup offset NPV	-0.1	-0.2	1.7	-1.9	-4.2	100.0	-4.0	0.1	-1.3	-0.1	1.4	-0.1	-0.1	-0.1	5.3	1.1	-17.7	-2.0	
JES pileup ρ topology	-0.2	-0.5	1.0	-3.6	-7.6	-4.0	100.0	0.2	-2.1	-0.5	3.3	-0.5	-0.4	-0.5	11.7	3.2	-39.5	-18.4	
JES effective NP modelling 1	-0.0	-0.0	-0.1	0.1	0.2	0.1	0.2	100.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	-0.2	-15.7	-0.3	
Pile-up rew.	-0.3	-0.1	0.6	-1.1	-2.7	-1.3	-2.1	0.0	100.0	0.2	0.5	0.3	0.3	0.3	4.0	-0.5	-12.1	-15.2	
Diboson NNPDF30 37	0.3	0.2	1.1	-0.1	-0.5	-0.1	-0.5	0.0	0.2	100.0	-0.3	-0.2	-0.2	-0.2	-1.5	0.4	-24.4	0.6	
Tau fake norm.	0.2	0.3	3.3	1.3	2.4	1.4	3.3	-0.1	0.5	-0.3	100.0	0.1	0.1	0.1	-7.6	-1.7	-15.9	-49.9	
tW (DR vs. DS)	0.2	0.0	1.9	-0.1	-0.1	-0.1	-0.5	0.0	0.3	-0.2	0.1	100.0	0.1	0.1	-1.9	3.4	-1.6	17.5	
tW NLO gen.	0.2	0.0	1.8	-0.1	-0.1	-0.1	-0.4	0.0	0.3	-0.2	0.1	0.1	100.0	0.0	-1.8	3.2	-1.5	16.4	
tW PS + had.	0.2	0.0	1.8	-0.1	-0.1	-0.1	-0.5	0.0	0.3	-0.2	0.1	0.1	0.0	100.0	-1.9	3.3	-1.5	17.0	
ttZ NLO gen. + PS + had.	1.6	1.3	17.0	4.8	9.9	5.3	11.7	0.0	4.0	-1.5	-7.6	-1.9	-1.8	-1.9	100.0	0.5	-24.5	18.0	
tt NLO gen.	-0.4	0.1	-2.9	1.1	1.9	1.1	3.2	-0.2	-0.5	0.4	-1.7	3.4	3.2	3.3	0.5	100.0	-7.5	23.6	
k(Z+jets)	23.0	25.6	-27.6	-18.9	-39.6	-17.7	-39.5	-15.7	-12.1	-24.4	-15.9	-1.6	-1.5	-1.5	-24.5	-7.5	100.0	25.0	
$k(t\overline{t})$	-0.7	11.5	-4.6	-2.1	-4.6	-2.0	-18.4	-0.3	-15.2	0.6	-49.9	17.5	16.4	17.0	18.0	23.6	25.0	100.0	
$\mu(tHq)$																			100.0
	ar. 0	ar. 0	P L	elling	sition	>dN	ology	ling 1	rew.	10 37	orm.	DS)	gen.	had.	had.	gen.	jets)	k(tī)	m(tHq)
	c-tag Eigenvar.	light-tag Eigenvar.	JER EffectiveNP	JES η intercalibration modellin	JES flavour composition	JES pileup offset NPV	JES pileup p topology	JES effective NP modelling	Pile-up rew	Diboson NNPDF30 37	Tau fake norm.	tW (DR vs. DS)	tW NLO gen.	tW PS + had.	t <mark>ī</mark> Z NLO gen. + PS + had.	t <mark>t</mark> NLO gen.	k(Z+jets)		)#