Source	Bkgd./Signal process	Year-to-year treatment	ee bkgd.	ee signal	μμ bkgd.	$\mu\mu$ signal
			(%)	(%)	(%)	(%)
Integrated luminosity	All bkgd./Signal	Correlated	1.8	1.8	1.8	1.8
Electron Momentum Scale	All bkgd./Signal	Correlated	0.1 - 0.9	0.0 - 0.5	< 0.1	< 0.1
Electron Momentum Smear	All bkgd./Signal	Correlated	< 0.1	0.0 - 0.1	< 0.1	< 0.1
Jet Energy Resolution	All bkgd./Signal	Correlated	1.4 - 14.4	0.0 - 10.8	0.5 - 14.8	0.0 - 9.5
Jet Energy Scale	All bkgd./Signal	Correlated	5.4 - 15.3	0.0 - 11.4	3.6 – 16.7	0.0 - 9.2
Soft drop Mass Scale	All bkgd./Signal	Correlated	0.0 - 0.5	0.0 - 1.3	0.0 - 0.5	0.0 - 1.2
PU Reweight	All bkgd./Signal	Correlated	0.0 - 2.0	0.0 - 2.9	0.0 - 1.7	0.0 - 1.9
Muon Momentum Scale	All bkgd./Signal	Correlated	< 0.1	0.0 - 0.1	0.0 - 5.0	0.0 - 1.1
L1 Prefire	All bkgd./Signal	Correlated	0.0 - 1.8	0.0 - 2.3	0.0 - 1.1	0.0 - 1.0
Muon Reconstruction SF	All bkgd./Signal	Correlated	< 0.1	< 0.1	0.3 - 1.0	0.3 - 10.4
Muon ID SF	All bkgd./Signal	Correlated	< 0.1	< 0.1	0.2 - 1.6	0.2 – 1.6
Muon Isolation SF	All bkgd./Signal	Correlated	< 0.1	< 0.1	< 0.1	< 0.1
Muon Trigger SF	All bkgd./Signal	Uncorrelated	< 0.1	< 0.1	0.1 - 0.2	0.1 - 1.3
Electron Reconstruction SF	All bkgd./Signal	Correlated	1.3 - 2.2	1.1 - 2.3	< 0.1	< 0.1
Electron ID SF	All bkgd./Signal	Correlated	1.9 - 4.0	0.3 - 5.3	< 0.1	< 0.1
Electron Trigger SF	All bkgd./Signal	Uncorrelated	0.4 - 2.8	0.1 - 15.1	< 0.1	< 0.1
Z Pt Reweight	DY+jets	Correlated	0.0 – 19.2	_	0.0 - 18.8	_
PDF	Signal	Correlated	_	< 0.1	_	< 0.1
Scale ( $\mu_R, \mu_F$ )	Signal	Correlated		< 0.1	_	< 0.1
Nonprompt norm.	Nonprompt	Correlated	100	_	100	_
Rare SM norm.	Others	Correlated	50	_	50	_