

Uncertainty source	Down variation [%]	Up variation [%]
PDF	54.2	38.5
Top quark p_T reweighting	52.8	56.0
Jet energy scale	39.7	40.7
Theoretical background cross sections	34.1	31.0
Heavy-flavor tagging	26.3	32.1
Statistical uncertainty	6.0	30.7
Parton shower ISR/FSR	15.8	9.4
Nonprompt-lepton bkg. estimate	15.7	18.8
μ_r/μ_f	14.8	12.8
Lepton identification	7.9	3.6
Electron reconstruction	0.0	7.3
Jet pileup identification	1.1	5.8
L1 trigger inefficiency	3.8	5.7
Pileup	2.2	5.5
Lepton trigger efficiencies	3.9	3.8
Unclustered energy	3.3	0.0
Jet energy resolution	0.0	3.7
Integrated luminosity	2.4	1.4
Lepton energy scale	0.0	1.3