

Source	δm_{\pm}	δm_{\pm}	δm_{\pm}
Statistical	± 0.19	± 0.23	± 0.33
Statistical + profiled systematic	± 0.32	± 0.37	± 0.58
	Correlation group intercalibration	± 0.09	± 0.07
	Correlation group MPFIInSitu	± 0.02	± 0.02
JES	Correlation group uncorrelated	± 0.39	± 0.17
	Total (quadrature sum)	± 0.40	± 0.18
JER		< 0.01	< 0.01
Unclustered energy		< 0.01	< 0.01
Muon efficiencies		< 0.01	< 0.01
Electron efficiencies		± 0.01	± 0.01
Pileup		± 0.14	± 0.04
b tagging		± 0.20	± 0.18
QCD multijet background		± 0.02	± 0.01
Mass calibration		± 0.11	± 0.13
Int. luminosity		< 0.01	< 0.01
CR model and ERD		± 0.24 (0.017)	± 0.39 (0.027)
			± 0.68 (0.048)
	Gluon	+0.52	+0.75
	Light quark (uds)	-0.18	+0.18
Flavor-dependent JES	Charm	+0.01	+0.08
	Bottom	-0.48	-0.29
	Total (linear sum)	-0.13	+0.72
	b frag. Bowler-Lund	± 0.03	± 0.06
	b frag. Peterson	+0.14	+0.11
b quark hadronization model	Semileptonic b hadron decays	± 0.18	± 0.17
	Total (quadrature sum)	+0.23 -0.18	+0.21 -0.18
	ISR	± 0.01	± 0.01
	FSR	± 0.28	± 0.31
Signal modeling	μ_R and μ_F scales	± 0.09	± 0.13
	PDF+ α_S	± 0.06	± 0.06
	Total (quadrature sum)	± 0.30	± 0.34
	ISR	± 0.11 (0.008)	± 0.02 (0.001)
	FSR	± 0.10 (0.007)	± 0.14 (0.010)
	ME-PS matching scale	± 0.10 (0.007)	± 0.10 (0.006)
	μ_R and μ_F scales	± 0.03	± 0.03
t \bar{t} modeling	PDF+ α_S	< 0.01	< 0.01
	Top quark p_T reweighting	-0.04	-0.08
	UE	± 0.07 (0.005)	± 0.04 (0.003)
	Total (quadrature sum)	± 0.20	+0.18 -0.20
	Signal shape	± 0.05	± 0.03
Parametric shapes	t \bar{t} bkg. shape	± 0.07	± 0.04
	EW bkg. shape	± 0.03	± 0.01
	Total (quadrature sum)	± 0.09	± 0.05
Total externalized systematic		+0.69 -0.71	+0.97 -0.65
Grand total		+0.76 -0.77	+1.04 -0.75
			+1.44 -1.51