

Source	Δm_t [GeV]	
Theoretical uncertainties		
μ_R/μ_F scales $t\bar{t}$	+0.22	-0.20
μ_R/μ_F scales t (t channel)	-0.04	-0.02
μ_R/μ_F scales tW	+0.21	+0.17
Parton shower matching scale	-0.04	+0.06
Single top quark fraction	-0.07	+0.07
Single top quark diagram interference (*)	+0.24	
Parton distribution functions	+0.06	-0.04
Top quark p_T	+0.82	
Top quark decay width (*)	-0.05	
b quark fragmentation	+1.00	-0.54
Semileptonic B decays	-0.16	+0.06
b hadron composition (*)	-0.09	
Underlying event	+0.07	+0.19
Color reconnection (*)	+0.08	
Matrix element generator (*)	-0.42	
$\sigma(t\bar{t} + \text{heavy flavor})$	+0.46	-0.36
Total theoretical uncertainty	+1.52	-0.86
Experimental uncertainties		
Jet energy scale	+0.19	-0.17
Jet energy resolution	-0.05	+0.05
Unclustered energy	+0.07	-0.00
Lepton energy scale	-0.26	+0.22
Lepton selection efficiency	+0.01	+0.01
b tagging	-0.02	-0.00
Pileup	-0.05	+0.07
Secondary vertex track multiplicity (*)	-0.06	
Secondary vertex mass modeling (*)	-0.29	
Background normalization	<0.03	
Total experimental uncertainty	+0.43	-0.44
Total systematic uncertainty	+1.58	-0.97
Statistical uncertainty	± 0.20	