

Source	Value (GeV)			Comment
	8 TeV, 19.7 fb ⁻¹	14 TeV, 0.3 ab ⁻¹	14 TeV 3 ab ⁻¹	
Lepton energy scale	+0.22, -0.26	±0.26	±0.26	unchanged
Sec. vertex track multiplicity	-0.06	±0.06	±0.06	unchanged
Sec. vertex mass modeling	-0.29	±0.22	±0.15	upgraded tracker and decay tables
Jet energy scale	+0.19, -0.17	±0.14	±0.10	benefits from lepton+jets
Jet energy resolution	±0.05	±0.05	±0.05	unchanged
Unclustered energy	+0.07	±0.07	±0.07	unchanged
b tagging efficiency	-0.02	±0.02	±0.01	improved with data
Pileup	+0.07, -0.05	±0.07	±0.07	unchanged
Lepton selection efficiency	+0.01	±0.01	±0.01	unchanged
Backgrounds	< 0.03	±0.01	±0.01	cross sections
$\sigma(\bar{t}t + \text{heavy flavor})$	+0.46, -0.36	±0.33	±0.20	improved with data
ME generator	-0.42	-	-	NLO ME generator
Single t fraction	±0.07	±0.06	±0.06	cross sections
Single t diagram interference	+0.24	±0.06	< 0.01	NLO ME generator
Ren. and fact. scales	+0.30, -0.20	±0.10	±0.10	NLO ME generator
ME-PS matching	+0.06, -0.04	±0.06	±0.06	unchanged
Top quark p_T	+0.82	±0.14	±0.14	improved with data and NNLO k-factors
Top quark decay width	-0.05	±0.04	±0.02	improved with data
b quark fragmentation	+1.00, -0.54	±0.70	±0.40	improved with data
Semileptonic B decays	±0.16	±0.11	±0.06	improved with data
b hadron composition	-0.09	±0.07	±0.04	improved with data
Underlying event	+0.19	±0.15	±0.10	improved with data
Color reconnection	+0.08	±0.05	±0.02	improved with data
PDF	+0.06, -0.04	±0.04	±0.02	improved with data
Systematic uncertainty	+1.58, -0.97	±0.95	±0.62	
Statistical uncertainty	±0.20	±0.05	±0.02	
Total	+1.59, -0.99	±0.95	±0.62	