

	Magnitude (%)	Category A		Category B			
		B (%)	S (%)	$\mu\tau_h$ ch.		$e\tau_h$ ch.	
Systematic uncertainty		B (%)	S (%)	B (%)	S (%)	B (%)	S (%)
Integrated luminosity	2.6	0.4/1.2	2.6	2.6	2.6	2.6	2.6
Electron reco/ID/iso & trigger	p_T, η dependent	—	—	—	—	1.4	2.2
Muon reco/ID/iso & trigger	1.1	0.1/0.5	1.1	0.9	0.9	—	—
τ lepton reco/ID/iso	6.0	0.8/2.8	6.0	1.5	3.0	0.6	3.1
Muon momentum scale & resolution	p_T dependent	0.1/0.3	0.4	—	—	—	—
τ lepton energy scale	3.0	1.2/4.1	2.0	2.3	2.7	0.6	1.5
τ lepton energy resolution	10.0	0.2/0.8	0.9	1.2	1.3	0.2	0.1
Jet energy scale	p_T, η dependent	0.9/3.2	1.9	4.2	1.9	5.6	2.7
Jet energy resolution	η dependent	0.4/1.2	1.0	0.8	0.3	1.6	0.8
Pileup	5.0	0.1/1.2	1.0/2.5	0.8	0.3	0.9	0.5
PDF (on acceptance)	—	—	$^{+2.9}_{-4.3}/^{+2.4}_{-6.2}$	—	0.7	—	0.9
PDF (on background)	—	—	—	8.7	—	8.3	—
Matrix method	—	23.1/15.3	—	—	—	—	—
Jet \rightarrow τ misidentification rate	p_T dependent	—	—	8.2	1.0	10.9	0.8
$e \rightarrow \tau$ misidentification rate	η dependent	—	—	0.1	0.1	0.1	0.1
$t\bar{t}$ factorization/renormalization	$^{+100}_{-50}$	—	—	$^{+6.1}_{-5.9}$	—	$^{+2.9}_{-2.7}$	—
Top quark p_T re-weighting	p_T dependent	—	—	0.1	—	0.1	—
W+jets factorization/renormalization	$^{+100}_{-50}$	—	—	4.3	—	0.3	—
W+jets matching threshold	$^{+100}_{-50}$	—	—	1.3	—	2.5	—