

	Lepton+jets	OS dilepton	SS dilepton	Multilepton	All hadronic
Jet energy scale	✓	✓	✓	✓	✓
Jet energy resolution	✓	✓	✓	~	✓
V-tag SF	✓				✓
$t\bar{t}$ matching scale	✓				•
$t\bar{t}$ renormalization/factorization scales	✓				•
b-tagging SF	✓	•		✓	•
Light-jet-tagging SF		•			•
Integrated luminosity	✓	✓	✓	✓	✓
Lepton reconstruction	✓	✓	✓	•	
$t\bar{t}$ cross section	✓			✓	
QCD normalization	✓				
Trigger efficiency	✓	✓	✓	•	✓
Pileup uncertainty	~	✓	✓	~	✓
Background component from data		✓	✓	•	
PDF uncertainty	~	~	✓	•	✓
$\cancel{E}_T$ resolution				✓	
Initial-state radiation				✓	
Combined systematic uncertainty	✓		✓	✓	✓