

Source	Background yield variation	Signal yield variation
Electron ID & ISO	2.0% – 3.2%	1.9% – 2.9%
Jet b-tagging (heavy)	2.5%	2.5% – 2.7%
Luminosity	2.5%	2.5%
Trigger efficiency	0.5% – 1.4%	0.4% – 1.4%
Pileup	0.3% – 1.4%	0.3% – 1.5%
Muon ID	0.4% – 0.8%	0.4% – 0.7%
Parton distributions	0.6% – 0.7%	1.0% – 1.4%
Jet b-tagging (light)	0.3%	0.3% – 0.4%
Muon ISO	0.2% – 0.3%	0.1% – 0.2%
Jet energy scale	< 0.1% – 0.3%	0.7% – 1.0%
Jet energy resolution	0.1%	< 0.1%
Affecting only $t\bar{t}$ (95.7% – 96.3% of the total bkg.)		
QCD scale	12.8% – 12.9%	
$t\bar{t}$ cross-section	5.2%	
MC stat.	< 0.1%	
Affecting only Drell-Yan in $e\mu$ events (0.9% of the total bkg.)		
QCD scale	24.6% – 24.7%	
MC stat.	10.5% – 11.2%	
Drell-Yan cross-section	4.9%	
Affecting only data-driven Drell-Yan estimate in same flavor events		
MC stat.	18.6% – 19.0%	
Normalization	4.9%	
Affecting only Single top (2.9% – 3.1% of the total bkg.)		
Single top cross-section	7.0%	
MC stat.	< 0.1% – 1.0%	
QCD scale	< 0.1% – 0.2%	
Affecting only signal		
SM signal		$m_\chi = 400 \text{ GeV}$
QCD scale	24.2%	4.6% – 4.7%
MC stat.	< 0.1%	< 0.1%