

Uncertainty source	Shape	Category			Correlated across	
		$e^\pm e^\pm$	$\mu^\pm \mu^\pm$	$e^\pm \mu^\pm$	Years	Categories
Experimental						
Luminosity	—	1.2–2.5	1.2–2.5	1.2–2.5	✓	✓
Pileup	✓	<0.1–2.8	<0.1–1.8	<0.1–2.3	✓	✓
Trigger efficiency	✓	0.4–2.6	0.2–1.1	0.3–1.2	—	—
L1 trigger inefficiency	✓	0.1–0.8	0.1–0.3	0.1–0.4	✓	✓
Lepton identification	✓	0.1–1.7	<0.1–0.4	<0.1–0.6	—	✓
Lepton energy scale	✓	—	<0.1–0.2	<0.1–0.2	—	✓
Charge misid.	✓	1.2–13.1	—	—	—	—
Jet energy scale	✓	<0.1–4.5	<0.1–1.7	<0.1–1.5	✓	✓
Jet energy resolution	✓	<0.1–2.6	<0.1–1.8	<0.1–1.6	—	✓
Unclustered energy	✓	<0.1–2.6	<0.1–0.5	<0.1–0.8	—	✓
Jet flavor identification	✓	<0.1–12.1	<0.1–8.8	<0.1–11.6	✓	✓
Nonprompt lepton BG statistical component	✓	<0.1–27.2	1.9–16.2	3.0–13.2	—	✓
Nonprompt lepton BG	—	27,15,11,10	27,15,11,10	27,15,11,10	—	✓
Theoretical						
Signal QCD scales	✓	10.3–10.5	10.0–10.2	9.9–10.0	✓	✓
Signal PDF	✓	0.7	0.6–0.7	0.5–0.6	✓	✓
Signal parton shower	✓	3.6–4.3	4.0–4.3	6.3–7.3	✓	✓
$t\bar{t}$	—	6.1	6.1	6.1	✓	✓
VV	—	4.5	4.5	4.5	✓	✓
VBS	—	10.4	10.4	10.4	✓	✓
$t\bar{t}H$	—	7.8	7.8	7.8	✓	✓
$t\bar{t}W$	—	10.7	10.7	10.7	✓	✓
Other backgrounds	—	5.4	5.4	5.4	✓	✓