

Uncertainty Source	Processes	Type	Effect
Electron efficiency	Signal	Shape	0.5–1.5%
Muon efficiency	Signal	Shape	0.2–0.5%
b tagging efficiency	Signal	Shape	1.0–3.0%
Jet energy scale	Signal	Shape	0.1–1.0%
Jet energy resolution	Signal	Shape	0.1–2.0%
Tracking efficiency	Signal	Shape	0.5–30.0%
Luminosity	Signal	Normalization	1.6%
Pileup	Signal	Shape	1.0–4.5%
L1 prefiring	Signal	Shape	0.1–1.4%
Parton shower modeling	Signal	Shape	0.1–14.0%
Simulation statistical uncertainty	Signal	Per bin	Varies
Background agreement	Background	Per bin	20%