

Source of uncertainty	Implementation on simulated signal sample
Integrated luminosity	Normalization shift by $\pm 2.5\%$
Statistical uncertainty	Normalization shift by ± 1 s.d.
Jet correction	Correction factor varied by ± 1 s.d.
Jet resolution	Jet resolution shift by ± 1 s.d.
b tagging SF	SF varied by ± 1 s.d.
Lepton efficiency SF	SF varied by ± 1 s.d.
Pileup	pp inelastic cross section shifted by $\pm 4.6\%$ [41]
Modeling	Smoothing parameter ρ varied over range [1.17, 1.66]
PDF uncertainty	Generator parameter varied by ± 1 s.d.
Scale uncertainty	Generator parameter varied by ± 1 s.d.