

Uncertainty source	Input effect ($\pm\%$)	Variation	Effect on signal ($\pm\%$)	Effect on total BG (%)
Jet energy scale (JES)	0.4–3	shape	negligible	≤ 0.55
p_T^{miss} (JES propagation)	0.4–3	shape	negligible	≤ 0.2
b-tagging	1–2	shape	negligible	≤ 1.25
Lepton identification	0.5	rate	1	1
Luminosity	1	rate	1	1
Theory uncertainties: QCD scale and PDFs				