

Source	Relevant quantity	Magnitude
<i>Shape uncertainties only affecting backgrounds</i>		
Jet $p_T$ spectrum	W+jets and W+V/t $m_{WV}$ shape	
Correlation between jet mass and $p_T$	W+jets $m_{WV}$ and $m_{jet}$ shape	
Jet mass scale	W+jets $m_{jet}$ shape	
Hadronization modeling	W+jets $m_{jet}$ shape	
High- $m_{WV}$ tail	W+V/t $m_{WV}$ shape	
Wboson and top quark mass peak ratio	W+V/t $m_{jet}$ shape	
<i>Shape uncertainties in scale and resolution</i>		
Jet mass scale	Signal and W+V/t $m_{jet}$ mean	1%
Jet mass resolution	Signal and W+V/t $m_{jet}$ width	8%
Jet energy scale	Signal $m_{WV}$ mean	2%
Jet energy resolution	Signal $m_{WV}$ width	5%
$p_T^{\text{miss}}$ scale	Signal $m_{WV}$ mean	2%
$p_T^{\text{miss}}$ resolution	Signal $m_{WV}$ width	1%
Lepton energy scale	Signal $m_{WV}$ mean	0.5% (e), 0.3% ( $\mu$ )
<i>Normalization uncertainties</i>		
W+jets normalization	W+jets yield	25%
W+V/t normalization	W+V/t yield	25%
Lepton selection efficiency	W+jets, W+V/t and signal yield	5%
V tagging	Signal yield	4% (HP), 4% (LP)
$p_T$ -dependence of V tagging	Signal yield	1.7–19% (HP), 1.2–14% (LP)
Double-b tagging	Signal yield	6–9% ( $b\bar{b}$ ), 0.4–2% (no- $b\bar{b}$ )
$ \Delta y $ -based categorization	Signal yield	2–6% (LDy), 1.5–5.5% (HDy)
Integrated luminosity	Signal yield	1.6%
Pileup reweighting	Signal yield	1.5%
b tagging veto	Signal yield	2%
PDFs	Signal yield	0.1–2%