

Uncertainty source	Process			
	W or Z (AK8)	W or Z (CA15)	$\Phi$ or A (AK8)	$\Phi$ or A (CA15)
Integrated luminosity	2.5%	2.5%	2.5%	2.5%
Trigger efficiency	2%	2%	2%	2%
Pileup	<1%	<1%	<1%	<1%
$N_2^{1,DDT}$ selection efficiency	4.3%	6%	4.3%	6%
Double-b tag	4% (Z)	8% (Z)	4%	8%
Jet energy scale / resolution	5–15%	5–15%	5–15%	5–15%
Jet mass resolution	8%	8%	8%	8%
Jet mass scale (% / ( $p_T$ [GeV] / 100))	0.4%	1%	0.4%	1%
Simulation sample size	2–25%	2–25%	4–20%	4–20%
NLO QCD corrections	10%	10%	—	—
NLO EW corrections	15–35%	15–35%	—	—
NLO EW W/Z decorrelation	5–15%	5–15%	—	—