

Source of uncertainty	Effect (%)					Impact on the exp. limit (%)
	Signal	ZZ	WZ	NRB	DY	
* VV EW corrections	—	10	−4	—	—	14 (12)
* Renorm./fact. scales, VV	—	9	4	—	—	
* Renorm./fact. scales, ZH	3.5	—	—	—	—	
* Renorm./fact. scales, DM	5	—	—	—	—	
* PDF, WZ background	—	—	1.5	—	—	2 (1)
* PDF, ZZ background	—	1.5	—	—	—	
* PDF, Higgs boson signal	1.5	—	—	—	—	
* PDF, DM signal	1–2	—	—	—	—	
* MC sample size, NRB	—	—	—	5	—	
* MC sample size, DY	—	—	—	—	30	
* MC sample size, ZZ	—	0.1	—	—	—	1
* MC sample size, WZ	—	—	2	—	—	
* MC sample size, ZH	1	—	—	—	—	
* MC sample size, DM	3	—	—	—	—	
NRB extrapolation to the SR	—	—	—	20	—	<1
DY extrapolation to the SR	—	—	—	—	100	<1
Lepton efficiency (WZ CR)	—	—	3	—	—	<1
Nonprompt bkg. (WZ CR)	—	—	—	—	30	<1
Integrated luminosity					2.5	<1
* Electron efficiency					1.5	
* Muon efficiency					1	
* Electron energy scale					1–2	
* Muon energy scale					1–2	
* Jet energy scale	1–3 (typically anticorrelated w/ yield)					1 (<1)
* Jet energy resolution	1 (typically anticorr.)					
* Unclustered energy ( $p_T^{\text{miss}}$ )	1–4 (typically anticorr.), strong in DY					
* Pileup	1 (typically anticorrelated)					
* b tagging eff. & mistag rate	1					
* BDT: electron energy scale	1.1	2.9	2.6	—	—	
* BDT: muon energy scale	1.5	4.3	2.7	—	—	— (2)
* BDT: $p_T^{\text{miss}}$ scale	1.0	3.2	4.1	—	—	