

Source of uncertainty	Background uncertainty (%)	Signal uncertainty (%)	Impact (%)
Integrated luminosity	2.7	2.7	5
Lepton trigger & identification efficiency	3–4	3–4	2–4
Lepton momentum scale, resolution	1–7	<1	1–2
Jet energy scale, resolution	0.1–4.0	<1	2
b jet tagging efficiency	<1	<1	<1
Pileup	1-2	0.5–1.0	2
PDF, α_S	2-3	<1	<1
Factorization, renormalization scales (signal)	—	1–2	<1
Factorization, renormalization scales (VV)	3–4	—	3
Factorization, renormalization scales (VVV)	12	—	<1
EW correction for $q\bar{q} \rightarrow ZZ$	5	—	4
EW uncertainty for WZ	3	—	<1
DY normalization	100	—	5
$t\bar{t}$, tW , WW normalization	26	—	2–4
MC sample size (signal)	—	1.5-10.0	<1
MC sample size (ZZ, WZ)	0.3–3.0	—	<1
MC sample size (DY)	13	—	<1
MC sample size ($t\bar{t}$, tW , WW)	8–10	—	<1