

Source of uncertainty	Ratios	Uncertainty vs. m_{jj}	Impact on $\mathcal{B}(H \rightarrow \text{inv})$
Theoretical uncertainties			
Ren. scale V+jets (EW)	$Z(\nu\bar{\nu})/W(\ell\nu)$ (EW)	9–12%	48%
Ren. scale V+jets (QCD)	$Z(\nu\bar{\nu})/W(\ell\nu)$ (QCD)	9–12%	25%
Fac. scale V+jets (EW)	$Z(\nu\bar{\nu})/W(\ell\nu)$ (EW)	2–7%	4%
Fac. scale V+jets (QCD)	$Z(\nu\bar{\nu})/W(\ell\nu)$ (QCD)	2–7%	2%
PDF V+jets (QCD)	$Z(\nu\bar{\nu})/W(\ell\nu)$ (QCD)	0.5–1%	<1%
PDF V+jets (EW)	$Z(\nu\bar{\nu})/W(\ell\nu)$ (EW)	0.5–1%	<1%
NLO EW corr.	$Z(\nu\bar{\nu})/W(\ell\nu)$ (QCD)	1–2%	<1%
Experimental uncertainties			
Muon reco. eff.	$Z(\mu\mu)/Z(\nu\bar{\nu}), W(\mu\nu)/W(\ell\nu)$	$\approx 1\%$ (per lepton)	8%
Electron reco. eff.	$Z(ee)/Z(\nu\bar{\nu}), W(e\nu)/W(\ell\nu)$	$\approx 1\%$ (per lepton)	3%
Muon id. eff.	$Z(\mu\mu)/Z(\nu\bar{\nu}), W(\mu\nu)/W(\ell\nu)$	$\approx 1\%$ (per lepton)	8%
Electron id. eff.	$Z(ee)/Z(\nu\bar{\nu}), W(e\nu)/W(\ell\nu)$	$\approx 1.5\%$ (per lepton)	4%
Muon veto	$Z(\nu\bar{\nu})/W(\ell\nu), W(\text{CRs})/W(\ell\nu)$	≈ 2.5 (2)% for EW (QCD)	7%
Electron veto	$Z(\nu\bar{\nu})/W(\ell\nu), W(\text{CRs})/W(\ell\nu)$	≈ 1.5 (1)% for EW (QCD)	5%
τ veto	$Z(\nu\bar{\nu})/W(\ell\nu), W(\text{CRs})/W(\ell\nu)$	≈ 3.5 (3)% for EW (QCD)	13%
Jet energy scale	$Z(\text{CRs})/Z(\nu\bar{\nu}), W(\text{CRs})/W(\ell\nu)$	≈ 1 (2)% for Z/Z (W/W)	4%
Electron trigger	$Z(ee)/Z(\nu\bar{\nu}), W(e\nu)/W(\ell\nu)$	$\approx 1\%$	<1%
p_T^{miss} trigger	All ratios	$\approx 2\%$	18%