

Systematic uncertainty	$H \rightarrow \mu\tau_h$	$H \rightarrow \mu\tau_e$	$H \rightarrow e\tau_h$	$H \rightarrow e\tau_\mu$
Muon trigger/identification/isolation	2%	2%	—	2%
Electron trigger/identification/isolation	—	2%	2%	2%
Hadronic tau lepton efficiency	5%	—	5%	—
b tagging veto	2.0–4.5%	2.0–4.5%	—	2.0–4.5%
$Z \rightarrow \mu\mu, ee + \text{jets}$ background	—	$10\% \oplus 5\%$	—	$10\% \oplus 5\%$
$Z \rightarrow \tau\tau + \text{jets}$ background	$10\% \oplus 5\%$	$10\% \oplus 5\%$	$10\% \oplus 5\%$	$10\% \oplus 5\%$
W + jets background	—	10%	—	10%
QCD multijet background	—	30%	—	30%
WW, ZZ background	$5\% \oplus 5\%$	$5\% \oplus 5\%$	$5\% \oplus 5\%$	$5\% \oplus 5\%$
$t\bar{t}$ background	$10\% \oplus 5\%$	$10\% \oplus 5\%$	$10\% \oplus 5\%$	$10\% \oplus 5\%$
$W\gamma$ background	—	$10\% \oplus 5\%$	—	$10\% \oplus 5\%$
Single top quark background	$5\% \oplus 5\%$	$5\% \oplus 5\%$	$5\% \oplus 5\%$	$5\% \oplus 5\%$
$\mu \rightarrow \tau_h$ background	25%	—	—	—
$e \rightarrow \tau_h$ background	—	—	12%	—
Jet $\rightarrow \tau_h, \mu, e$ background	$30\% \oplus 10\%$	—	$30\% \oplus 10\%$	—
Jet energy scale	3–20%	3–20%	3–20%	3–20%
$\tau_h$ energy scale	1.2%	—	1.2%	—
$\mu, e \rightarrow \tau_h$ energy scale	1.5%	—	3%	—
e energy scale	—	0.1 – 0.5%	0.1 – 0.5%	0.1 – 0.5%
$\mu$ energy scale	0.2%	0.2%	—	0.2%
Unclustered energy scale	$\pm 1\sigma$	$\pm 1\sigma$	$\pm 1\sigma$	$\pm 1\sigma$
Renorm./fact. scales (ggH) [? ]			3.9%	
Renorm./fact. scales (VBF and VH) [? ]			0.4%	
PDF + $\alpha_s$ (ggH) [? ]			3.2%	
PDF + $\alpha_s$ (VBF and VH) [? ]			2.1%	
Renorm./fact. acceptance (ggH)		–3.0% – +2.0%		
Renorm./fact. acceptance (VBF and VH)		–0.3% – +1.0%		
PDF + $\alpha_s$ acceptance (ggH)		–1.5% – +0.5%		
PDF + $\alpha_s$ acceptance (VBF and VH)		–1.5% – +1.0%		
Integrated luminosity		2.5%		