Systematic uncertainty	$H \to \mu\tau_h$	$H \to \mu\tau_e$	$H \to e\tau_h$	$H \to e\tau_\mu$
Muon trigger/ID/isolation	2%	2%	—	2%
Electron trigger/ID/isolation	—	2%	2%	2%
Hadronic τ efficiency	5%	—	5%	—
High p_T τ efficiency	$^{+5}_{-35}\% \times p_T / \text{TeV}$	—	$^{+5}_{-35}\% \times p_T / \text{TeV}$	—
b tagging veto	2.0–2.5%	2.0–2.5%	2.0–2.5%	2.0–2.5%
$Z \to \mu\mu/ee$ + jets background	—	0.1%⊕2%⊕5%	—	0.1%⊕2%⊕5%
$Z \to \tau\tau$ + jets background	0.1%⊕2%⊕5%	0.1%⊕2%⊕5%	0.1%⊕2%⊕5%	0.1%⊕2%⊕5%
W + jets background	—	0.8%⊕3.8%⊕5%	—	0.8%⊕3.8%⊕5%
WW, ZZ, WZ background	3.5%⊕5%⊕5%	3.5%⊕5%⊕5%	3.5%⊕5%⊕5%	3.5%⊕5%⊕5%
$W + \gamma$ background	—	10%⊕5%	—	10%⊕5%
Single top quark background	3%⊕5%⊕5%	3%⊕5%⊕5%	3%⊕5%⊕5%	3%⊕5%⊕5%
$t\bar{t}$ background	10%⊕5%	10%⊕5%	10%⊕5%	10%⊕5%
SM Higgs Renorm./fact. scales	3.9 %	3.9 %	3.9 %	3.9 %
SM Higgs PDF+α_s	3.2 %	3.2 %	3.2 %	3.2 %
QCD multijet background	—	30%	—	30%
$\mu \to \tau_h$ background	25%	—	—	—
$e \to \tau_h$ background	—	—	12%	—
jet $\to \tau_h$ background	30%⊕10%	—	30%⊕10%	—
Jet energy scale	3–20%	3–20%	3-20%	3–20%
τ_h energy scale	1.2%	—	1.2%	—
$\mu, e \to \tau_h$ energy scale	1.5%	—	3%	—
e energy scale	—	0.1-0.5%	0.1-0.5%	0.1-0.5%
μ energy scale	0.2%	0.2%	-	0.2%
Unclustered energy scale	$\pm 1\sigma$	$\pm 1\sigma$	$\pm 1\sigma$	$\pm 1\sigma$
Integrated Luminosity	2.5%	2.5%	2.5%	2.5%