

Uncertainty	Magnitude
τ_h ID	p_T /decay-mode dependent (2–3%)
τ_h against e/μ	3%
$e \rightarrow \tau_h$ ID	40%
$\mu \rightarrow \tau_h$ ID	10–70%
e ID	2%
μ ID	2%
b jet veto	0–10%
Luminosity	2–3%
Trigger	2% for e/μ , p_T -dep. for τ_h
$t\bar{t}$ cross section	4.2%
Diboson cross section	5%
Single top cross section	5%
Drell-Yan cross section	2%
Prefiring	Event-dependent (0.2–1.3%)
$\mathcal{B}(H \rightarrow \tau\tau)$	2.1%
τ_h energy scale	0.7–1.2%
$e \rightarrow \tau_h$ energy scale	1–7%
$\mu \rightarrow \tau_h$ energy scale	1%
Electron energy scale	Event-dependent
Muon energy scale	0.4–2.7%
Jet energy scale	Event-dependent
Jet energy resolution	Event-dependent
p_T^{miss} unclustered energy scale	Event-dependent
p_T^{miss} recoil corrections	Event-dependent
STXS ggF theory	Event-dependent
STXS VBF theory	Event-dependent
Parton showering	0.5–10%
PDF and α_S accept.	0.3–1.5%
μ_R and μ_F accept.	1.0–10%
QCD multijet in $e\mu$	Event-dependent
jet $\rightarrow \tau_h$ mis-ID	Event-dependent
Embedded yield	4%
$t\bar{t}$ in embedded	10%