Uncertainty	Magnitude
τ_h ID	p_T/decay-mode dependent (2–3%)
τ_h separation from e/μ	3%
e $\to \tau_h$ ID	η dependent (9–40%)
$\mu \to \tau_h$ ID	η dependent (10–70)%
e ID	2%
μ ID	1%
b jet veto	0–10%
Luminosity	1.6%
Trigger	2% for e/μ, p_T/decay-mode dep. for τ_h ($\mathcal{O}(10\%)$)
$t\bar{t}$ cross section	4.2%
Diboson cross section	5%
Single top cross section	5%
Drell-Yan cross section	2%
L1 trigger timing (2016 and 2017)	Event-dependent (0.2–15%)
$\mathcal{B}(H \to \tau\tau)$	2.1%
τ_h energy scale	Decay-mode dependent (0.2–1.2%)
e $\to \tau_h$ energy scale	Decay-mode dependent (1–7%)
$\mu \to \tau_h$ energy scale	1%
Electron energy scale	p_T/η dependent ($< 1.25\%$)
Muon energy scale	η dependent 0.4–2.7%
Jet energy scale	p_T/η dependent ($\sim$ 0.5–14%)
Jet energy resolution	η dependent (2–95%)
p_T^{miss} unclustered energy scale	Event-dependent ($\sim$ 0–20%)
p_T^{miss} recoil corrections	0.3–5.8%
Jet $\to \tau_h$ mis-ID	Event-dependent ($\mathcal{O}(10\%)$)
QCD multijet in the eμ channel	Event-dependent ($\mathcal{O}(20\%)$)
Embedded yield	4%
$t\bar{t}$ in embedded	10%
Signal theoretical uncertainty	Event-dependent (up to $\sim$ 25%)
Top p_T reweighting	p_T dependent (0–21%)
DY p_T-mass reweighting	p_T/mass dependent (0–11%)