Source of uncertainty	Magnitude	Process
	Experimental uncertainties	
τ_h id.†	2–10%	all simulations
μ trigger	2%	all simulations
μ id. & isolation	1.5–4.5%	all simulations
e trigger	2%	all simulations
e id. & isolation	1.5–4.5%	all simulations
limited MC event count	bin-by-bin uncertainties	all simulations
τ_h energy scale†	0.5–1.5%	all simulations
integrated luminosity	<2%	all simulations
e energy scale†	1–2%	all simulations
b jet identification efficiency	1–4%	all simulations
b jet misidentification rate	5–10%	all simulations
jet energy scale†	1–3%	all simulations
$\vec{p}_T^{\,miss}$ unclustered energy scale†	1–3%	all simulations
jet energy resolution†	<1%	all simulations
	Uncertainties in reducible background estimate	
		misidentified τ leptons
normalization uncertainty	30%	eτ_h channel
	20%	$\mu\tau_h$ channel
	20%	$\tau_h\tau_h$ channel
event count in AR	20–40%	(*b-tag* category)
	10–20%	(*no b-tag* category)
	Theoretical uncertainties in background estimate	
$q\bar{q} \to ZZ$ normalization	5%	$q\bar{q} \to ZZ$
$gg \to ZZ$ normalization	15%	$gg \to ZZ$
$t\bar{t}Z$ normalization	25%	$t\bar{t}Z$
triboson normalization	25%	triboson
μ_F and μ_R scales	1–8%	Higgs bkg.
theoretical uncertainty in $\mathcal{B}(h \to \tau\tau)$	<2%	$gg \to A$, $b\bar{b}A$, Higgs bkg.
PDFs	1.3–3.6%	Higgs bkg.
	Theoretical uncertainties in the signal estimate (applied in the MSSM interpretation)	
signal cross section		
(μ_F, μ_R scale, PDFs, α_S)	5–20% (10–25%)	$gg \to A$ ($b\bar{b}A$)