

Source of uncertainty	Initial uncertainties per channel			
	$\tau_h \tau_h$	$\tau_\mu \tau_h$	$\tau_e \tau_h$	$\tau_e \tau_\mu$
$e \rightarrow \tau_h$ misidentification rate		12% DM dependent		—
$\mu \rightarrow \tau_h$ misidentification rate		25% DM dependent		—
jet $\rightarrow \tau_h$ misidentification rate		$20\% \times p_T^{\text{jet}}/100 \text{ GeV} \leq 40\%$		—
Electron trigger efficiency	—	—	p_T, η dependent $\leq 2\%$	
Electron momentum scale	—	—	Event-dependent	
Electron to tau misid energy scale	—	—	0.8–6.6%	—
Muon trigger efficiency	—	p_T, η dependent $\leq 2\%$	—	$p_T \eta \leq 2\%$
Muon momentum scale	—	0.4–2.7%	—	0.4–2.7 %
Muon to tau misid momentum scale	—	1%	—	—
Hadronic tau momentum scale		p_T & DM dependent $\leq 2\%$		—
Neutral, charged hadrons energy	2%	2%	2%	—
Tau identification efficiency		p_T & DM dependent 2–3%		—
Tau trigger efficiency		p_T & DM dependent $\leq 10\%$	—	—
Misidentified DM $\tau_h \rightarrow h^\pm$	2.8%	2.8%	2.8%	—
Misidentified DM $\tau_h \rightarrow h^\pm \pi^0$	3.2%	3.2%	3.2%	—
Misidentified DM $\tau_h \rightarrow h^\pm h^\mp h^\pm$	3.7%	3.7%	3.7%	—
Drell–Yan MC reweighting		$\leq 100\%$ for all channels		
Top p_T reweighting		$\leq 100\%$ for all channels		
Parton reweighting		$\leq 100\%$ for all channels		
p_T^{miss} unclustered scale		Event-dependent		
p_T^{miss} recoil correction		Event-dependent		
Limited amount of MC events		Bin-by-bin fluctuations		