

Uncertainty		Process					Correlated across	
		Sim.	τ -emb.	F_F	SS	Variation	Years	Processes
τ -emb.	Acceptance	—	✓	—	—	4%	—	—
	\bar{t} fraction	—	✓	—	—	0.1–8%	—	—
μ	ID	✓	✓	—	—	2%	✓	✓
	Trigger	✓	✓	—	—	2%	—	✓
e	ID	✓	✓	—	—	2%	✓	✓
	Trigger	✓	✓	—	—	2%	—	✓
	Energy scale	✓	✓	—	—	See text	✓	✓
τ_h	ID	✓	✓	—	—	3–8%	—	✓
	Trigger	✓	✓	—	—	5–10%	—	✓
	Energy scale	✓	✓	—	—	0.2–1.1%	—	✓
$\mu \rightarrow \tau_h$	Miss-ID	✓	—	—	—	7–67%	—	—
	Energy scale	✓	—	—	—	1%	—	—
e $\rightarrow \tau_h$	Miss-ID	✓	—	—	—	18–41%	—	—
	Energy scale	✓	—	—	—	1–6.5%	—	—
Jet \rightarrow e miss-ID		✓	—	—	—	10%	✓	✓
Jet $\rightarrow \mu$ miss-ID		✓	—	—	—	10%	✓	✓
$\mu \rightarrow$ e Miss-ID		✓	—	—	—	15–45%	—	✓
Z boson p_T reweighting		✓	—	—	—	<1%	✓	—
Jet energy scale & resolution		✓	—	—	—	0.1–10%	✓	✓
b-jet (miss-)ID		✓	—	—	—	1–10%	—	✓
p_T^{miss} calibration		✓	—	—	—	See text	✓	✓
ECAL timing shift		✓	—	—	—	2–3%	✓	✓
t quark p_T reweighting		✓	—	—	—	See text	✓	—
Luminosity		✓	—	—	—	1.2–2.5%	✓	✓
Background cross sections		✓	—	—	—	2–5%	✓	—
Signal theory uncertainties		✓	—	—	—	See text	✓	—
F_F	Statistics	—	—	✓	—	$\mathcal{O}(1\text{--}10\%)$	—	—
	Corrections	—	—	✓	—	$\mathcal{O}(10\%)$	—	—
	Non- F_F processes	—	—	✓	—	10%	—	—
	F_F proc. composition	—	—	✓	—	10%	—	—
QCD ($e\mu$)	Statistics	—	—	—	✓	2–4%	—	—
	AR to SR Extrapolations	—	—	—	✓	$\mathcal{O}(10\%)$	—	—