

Source	Signal	Lost lepton	$1\ell$ (not from t)	$Z \rightarrow \nu\bar{\nu}$
Data statistical uncertainty	—	5–50%	4–30%	—
Simulation statistical uncertainty	6–36%	3–68%	5–70%	4–41%
$t\bar{t}$ $p_T^{\text{miss}}$ modeling	—	3–50%	—	—
Signal $p_T^{\text{miss}}$ modeling	1–25%	—	—	—
QCD scales	1–5%	0–3%	2–5%	1–40%
Parton distribution	—	0–4%	1–8%	1–12%
Pileup	1–5%	1–8%	0–5%	0–7%
Luminosity	2.3–2.5%	—	—	2.3–2.5%
$W + b(\bar{b})$ cross section	—	—	20–40%	—
$t\bar{t}Z$ cross section	—	—	—	5–10%
System recoil (ISR)	1–13%	0–3%	—	—
Jet energy scale	2–24%	1–16%	1–34%	1–28%
$p_T^{\text{miss}}$ resolution	—	1–10%	1–5%	—
Trigger	2–3%	1–3%	—	2–3%
Lepton efficiency	3–4%	2–12%	—	1–2%
Merged t tagging efficiency	3–6%	—	—	5–10%
Resolved t tagging efficiency	5–6%	—	—	3–5%
b tagging efficiency	0–2%	0–1%	1–7%	1–10%
Soft b tagging efficiency	2–3%	0–1%	0–1%	0–5%