

Source of uncertainty	SM processes	
	Change in yields	Change in $m_{T2}(\ell\ell)$ shape
Integrated luminosity	2.5%	—
Trigger	2%	—
Lepton ident./isolation	4–5%	<1%
Jet energy scale	1–6%	3–15%
Unclustered energy	1–2%	2–16%
b tagging	<3%	<2%
Renorm./fact. scales	1–10%	1–6%
PDFs	1–5%	2–8%
$t\bar{t}Z$ normalization	<1%	<9%
WZ normalization	<1%	<1%
ZZ normalization	<1%	<5%
Drell–Yan normalization	<4%	1–11%
$m_{T2}(\ell\ell)$ shape (top quark)	—	4–18%
$m_{T2}(\ell\ell)$ shape (WW)	—	1–15%
ZZ K factors	—	<3%
$m_{T2}(\ell\ell)$ shape (Drell–Yan)	—	1–13%
Nonprompt leptons	<1%	<4%
$t\bar{t}$ p_T reweighting	1–4%	1–8%