

Uncertainty Source	Background Process	Size (%)
Non-Boosted categories		
1-lepton CR, $R^2$ closure test	$t\bar{t}$ , W+jets	1–95
$t\bar{t}$ 2-lepton closure test	$t\bar{t}$	1–12
Veto lepton $p_T$ closure test	$t\bar{t}$ , W+jets	4–50
Veto lepton $\eta$ closure test	$t\bar{t}$ , W+jets	5–40
Veto tau $p_T$ closure test	$t\bar{t}$ , W+jets	2–43
Veto tau $\eta$ closure test	$t\bar{t}$ , W+jets	2–28
$\gamma$ +jets CR, $R^2$ closure test	$Z(\nu\bar{\nu})$ +jets	1–40
DY+jets 2-lepton closure test	$Z(\nu\bar{\nu})$ +jets	1–25
QCD Multijet transfer factor extrapolation	QCD Multijet	30–90
Boosted categories		
QCD Multijet modeling	QCD Multijet	13–24
DY+jets modeling	$Z(\nu\bar{\nu})$ +jets	19–29
$Z(\nu\bar{\nu})$ +jets closure test	$Z(\nu\bar{\nu})$ +jets	19–98