

Systematic source	Variation	Type
Z+jets, $t\bar{t}$	$\pm 30\%$	norm.
Muon misidentification	floating in the fit	norm.
Electron misidentification	floating in the fit	norm.
Z $p_T$	$\pm 1\sigma$	shape
WZ+l jets norm.	floating in the fit	norm.
WZ+l jets matching	$\pm 1\sigma$	shape
WZ+l jets scale	$Q^2 \times 4, Q^2/4$	shape
WZ+hf jets norm.	floating in the fit	norm.
WZ+hf jets matching	$\pm 1\sigma$	shape
WZ+hf jets scale	$Q^2 \times 4, Q^2/4$	shape
tZq	$\pm 30\%$	norm.
tZq scale	$Q^2 \times 4, Q^2/4$	norm.+shape
ZZ	$\pm 30\%$	norm.
Single top	$\pm 30\%$	norm.
$t\bar{t}V$	$\pm 30\%$	norm.
Trigger	$\pm 1\sigma$	norm.
Lepton selection	$\pm 1\%$	norm.+shape
JES	$\pm 1\sigma(p_T, \eta)$	norm.+shape
JER	$\pm 1\sigma(p_T, \eta)$	norm.+shape
Uncertainty $p_T^{\text{miss}}$	$\pm 10\%$	norm.+shape
b tagging	$\pm 1\sigma(p_T, \eta)$	norm.+shape
Pileup	$\pm 1\sigma$	norm.+shape
PDF	$\pm 1\sigma$	norm.+shape
tZ-FCNC scale	$Q^2 \times 4, Q^2/4$	norm.+shape
Luminosity	$\pm 2.6\%$	norm.