Uncertainty	Background	Signal	Treatment notes
Statistical uncertainties			
MC event yield	ignored	Run2 / $\sqrt{\mathcal{L}}$	YR18 recommendation
Data event yield	Run2 / $\sqrt{\mathcal{L}}$	—	YR18 recommendation
Extrapolation of background	ignored	—	YR18 recommendation
distributions in signal region			
Theoretical systematic uncertainties			
Scales (fact., renorm.)	Run2 $\times 1/2$	Run2 $\times 1/2$	YR18 recommendation
$\alpha_s$	Run2 $\times 1/2$	Run2 $\times 1/2$	YR18 recommendation
Top $p_{\rm T}$ reweighting	Run2 $\times 1/3$	—	YR18 recommendation
ISR reweighting	—	Run2 $\times 1/2$	YR18 recommendation
$Z \rightarrow \nu \nu$ modeling	Run2 $\times 1/2$	Run2 $\times 1/2$	YR18 recommendation
Multijet modeling	Run2 $\times 1/2$	Run2 $\times 1/2$	YR18 recommendation
Experimental systematic uncertainties			
Luminosity	$\pm 1.0\%$	$\pm 1.0\%$	YR18 recommendation
Pileup	Run2	Run2	Increased PU but
			better detector
			performance
Jet energy/mass scale	Run2 $\times 1/2$	Run2 $\times 1/2$	YR18 recommendation
Jet energy/mass resolution	Run2 $\times 1/2$	Run2 $\times 1/2$	YR18 recommendation
$p_{\mathrm{T}}^{\mathrm{miss}}$	Run2 $\times 1/2$	Run2 $\times 1/2$	from JES, JER
Electron reconstruction	Run2	Run2	small
Electron identification	Run2	Run2	small
Muon tracking	Run2	Run2	small
Muon identification	Run2	Run2	small
Lost lepton shape	Run2 / $\sqrt{\mathcal{L}}$	_	stat-dependent
b tag	$\pm 1\%$	$\pm 1\%$	YR18 recommendation
W/Top tag	Run2	Run2	YR18 recommendation
W/Top mistag	Run2	Run2	YR18 recommendation
W/Top masstag	Run2	_	YR18 recommendation
W/Top antitag	Run2	—	YR18 recommendation
Photon purity	Run2 $\sqrt{\mathcal{L}}$	_	stat-dependent
Direct photon fraction	Run2 $\sqrt{\mathcal{L}}$		stat-dependent
$Z/\gamma$ ratio	ignored	—	small
$Z(\nu\overline{\nu})$ closure	Run2 / $\sqrt{\mathcal{L}}$		stat-dependent