

Source	Background	uncertainty (%)
Integrated luminosity	All MC-based	6.2
Jet and γ energy scale, \cancel{E}_T resolution	All MC-based	3–4
Data/MC scale factor	All MC-based	6
PDF, μ_R , μ_F	$Z(\rightarrow \nu\bar{\nu}) + \gamma, W(\rightarrow \ell\nu) + \gamma$	5–9
EWK corrections	$Z(\rightarrow \nu\bar{\nu}) + \gamma, W(\rightarrow \ell\nu) + \gamma$	7–11
Hadronic fake ratio	Jet misid.	29
e seeding ϵ	Electron misid.	6
ECAL spikes template shape	ECAL spikes	50
Beam halo template shape	Beam halo	30
$\gamma +$ jets yield	$\gamma +$ jets	54