

Source	Uncertainty	1ℓ		$SS\ 2\ell$		$\geq 3\ell$	
		Sig	Bkg	Sig	Bkg	Sig	Bkg
Integrated luminosity	2.5%	Yes	MC	Yes	MC	Yes	MC
Reconstruction	1%	Yes	MC	Yes	MC	Yes	MC
Identification	2%(e), 3%(μ)	Yes	MC	Yes	MC	Yes	MC
Isolation (e, μ)	1%	Yes	MC	Yes	MC	Yes	MC
Trigger (e or μ)	$\pm\sigma(p_T, \eta)$	Yes	MC	—	—	—	—
Trigger ($\ell\ell$)	3%	—	—	Yes	MC	—	—
Trigger ($\ell\ell\ell$)	3%	—	—	—	—	Yes	MC
Charge misid. rate	30%	—	—	No	OS	—	—
ℓ misid. efficiency	50%	—	—	No	NP	—	—
ℓ misid. efficiency	4–30%	—	—	—	—	No	NP
μ misid. efficiency η dep.	12–33%	—	—	—	—	No	NP
NP method closure	17–31%	—	—	—	—	No	NP
NP method in CR	2–35%	—	—	—	—	No	NP
Prompt ℓ efficiency	2–9% (e), 1–7% (μ)	—	—	—	—	No	NP
Pileup	$\sigma_{\text{incl.}} \pm 4.6\%$	Yes	MC	Yes	MC	Yes	MC
Jet energy scale	$\pm\sigma(p_T, \eta)$	Yes	MC	Yes	MC	Yes	MC
Jet energy res.	$\pm\sigma(\eta)$	Yes	MC	Yes	MC	Yes	MC
H_T scaling	env(upper, lower fits)	No	W+jets	—	—	—	—
b tag: b	$\pm\sigma(p_T)$	Yes	MC	—	—	Yes	MC
b tag: light	$\pm\sigma$	Yes	MC	—	—	Yes	MC
W tag: τ_2/τ_1	$\pm\sigma$	Yes	MC	—	—	—	—
W tag: $\tau_2/\tau_1\ p_T$	$\pm\sigma(p_T)$	Yes	MC	—	—	—	—
W/H tag: mass scale	$\pm\sigma(p_T, \eta)$	Yes	MC	—	—	—	—
W/H tag: mass res.	$\pm\sigma(\eta)$	Yes	MC	—	—	—	—
H tag: propagation	5%	Yes	MC	—	—	—	—
Renorm./fact. scale	env($\times 2, \times 0.5$)	Shape	MC	Accept.	MC	Shape	MC
PDF	RMS(replicas)	Shape	MC	Accept.	MC	Shape	MC
VV rate	15%	No	VV	—	—	—	—
Single tW rate	16%	No	tW	—	—	—	—