

	High-mass		Low-mass		Low-mass	
	Merged		Merged		Resolved	
Source	Background	Signal	Background	Signal	Background	Signal
electron trigger and ID	2.0–3.0%		2.0%		2.0%	
muon trigger and ID	1.5–3.0%		1.5%		1.5%	
electron energy scale	-	1.0%	0.8%	0.1–0.5%	1.3%	1.2–2.5%
muon momentum scale	-	0.5–2%	0.6%	0.1–0.4%	1.4%	0.2–2.0%
jet energy scale	0.1–0.5%	0.1%	1.0%	0.3–0.6%	1.3%	0.6–1.8%
jet energy resolution	-	-	0.6%	0.1%	0.2%	0.1–0.2%
b tag SF untagged	-	-	0.2%	0.3–0.4%	0.1%	0.6%
b tag SF tagged	-	-	2.0%	2.0–2.3%	3.8%	4.1–4.3%
mistag SF untagged	-	-	0.5%	0.5–0.6%	0.4%	0.2–0.4%
mistag SF tagged	-	-	1.5%	0.4–0.6%	4.3%	0.5–1.4%
SM VZ production	12%	-	12%	-	12%	-
SM t quark production	5%	-	4% ($e\mu$)	-	4% ($e\mu$)	-
V identification (τ_{21})	-	11–23%	6% (VZ)	6%	-	-
V identification (extrapolation)	-	2.5–20%	-	2.6–6%	-	-
V mass scale	0.5–2.5%	1.0–2%	0.2% (VZ)	0.5–1.1%	-	-
V mass resolution	5.5%	5–6%	5.6% (VZ)	5.7–6%	-	-
Z+jets normalization	9–15%	-	-	-	-	-
pileup	0.5–4%	0.4%	0.5%	0.1–0.3%	0.1%	0.3–0.5%
PDFs	0.3–1.5%	0.5%	-	1.5–1.6%	-	0.3–1.1%
QCD scale	2% (VZ), 15% (Top)	1.0–3%	-	0.1–0.3%	-	0.2–0.3%
luminosity	2.5%		2.5%		2.5%	