

Systematic uncertainties	W-like $m_Z$	$m_W$
Muon efficiency	3127	3658
Muon eff. veto	–	531
Muon eff. syst.	343	
Muon eff. stat.	2784	
Nonprompt background	–	387
Prompt background	2	3
Muon momentum scale	338	
L1 prefire	14	
Luminosity	1	
PDF (CT18Z)	60	
Angular coefficients	177	353
W MINNLO <sub>PS</sub> $\mu_F, \mu_R$	–	176
Z MINNLO <sub>PS</sub> $\mu_F, \mu_R$	176	
PYTHIA shower $k_T$	1	
$p_T^V$ modeling	22	32
Nonperturbative	4	10
Perturbative	4	8
Theory nuisance parameters	10	
c, b quark mass	4	
Higher-order EW	6	7
Z width	1	
Z mass	1	
W width	–	1
W mass	–	1
$\sin^2 \theta_W$	1	
Total	3750	4859