

Source	Uncertainty											
	$C_{kk}$	$C_{rr}$	$C_{nn}$	$C_{rk} + C_{kr}$	$C_{rk} - C_{kr}$	$C_{nr} + C_{rn}$	$C_{nr} - C_{rn}$	$C_{nk} + C_{kn}$	$C_{nk} - C_{kn}$	$D$	$A_{\cos\varphi}^{\text{lab}}$	$A_{ \Delta\phi_{\ell\ell} }$
Trigger	0.001	0.001	—	0.002	—	—	—	—	—	—	0.001	—
Lepton ident./iso.	0.001	0.001	—	0.001	—	—	—	—	—	—	—	—
Kinematic reco.	—	—	—	—	—	—	—	—	—	—	—	—
Pileup	0.002	—	0.001	0.004	0.001	0.001	0.002	0.001	0.001	0.001	—	0.001
b tagging	0.004	0.001	0.002	0.005	0.001	0.001	0.001	0.001	0.001	0.001	—	—
JES	0.012	0.009	0.005	0.022	0.011	0.011	0.009	0.012	0.007	0.002	—	0.001
Unclust. energy	0.001	0.001	0.001	0.004	0.001	0.001	0.002	0.001	0.001	—	—	0.001
JER	0.001	0.002	0.001	0.004	0.002	0.001	0.001	0.003	0.001	—	—	—
Scales	0.012	0.006	0.007	0.026	0.011	0.007	0.014	0.011	0.007	0.003	0.002	0.003
ME/PS matching	0.004	0.003	0.001	0.009	0.016	0.011	0.001	0.012	0.009	0.002	0.002	0.004
Color reconnection	0.005	0.013	0.006	0.013	0.011	0.014	0.017	0.009	0.008	0.002	0.001	0.001
Underlying event	0.008	0.002	0.002	0.004	0.010	0.007	0.005	0.007	0.002	0.003	0.001	0.001
b quark fragment.	0.014	0.002	0.005	0.017	0.001	0.001	0.001	0.002	0.001	0.003	—	0.001
b had. semilep. d.	—	0.001	0.001	0.002	—	0.001	—	—	—	0.001	—	—
PDF	0.002	0.002	0.001	0.002	—	—	—	—	—	0.001	0.003	0.001
Top quark mass	0.001	0.002	0.006	0.006	0.009	0.002	0.002	0.009	0.001	0.002	0.001	—
Top quark $p_T$	0.008	0.011	0.005	0.019	—	0.001	—	0.001	—	0.004	0.003	0.005
Background	0.017	0.009	0.008	0.025	0.006	0.004	0.004	0.007	0.003	0.004	0.008	0.002
Total systematic	0.031	0.023	0.016	0.053	0.029	0.024	0.025	0.026	0.016	0.009	0.010	0.007
Data statistical	0.018	0.019	0.010	0.029	0.029	0.024	0.025	0.025	0.020	0.006	0.003	0.003
Signal sim. stat.	0.007	0.007	0.004	0.011	0.011	0.009	0.009	0.010	0.008	0.002	0.001	0.001
Bkg. sim. stat.	0.010	0.010	0.005	0.018	0.017	0.012	0.010	0.015	0.012	0.003	0.002	0.002
Total statistical	0.022	0.023	0.012	0.035	0.035	0.028	0.028	0.031	0.025	0.007	0.003	0.003
Total	0.038	0.032	0.020	0.064	0.046	0.037	0.038	0.041	0.029	0.011	0.010	0.008