

Uncertainty of channel	SR2L_Top2L	SR2L_SingleTop
Total background expectation	3.76	0.14
Total statistical ($\sqrt{N_{\text{exp}}}$)	± 1.94	± 0.38
Total background systematic	± 2.40 [63.75%]	± 0.02 [15.55%]
alpha_JER_EffectiveNP_3	± 1.25 [33.2%]	± 0.00 [0.23%]
alpha_JER_EffectiveNP_1	± 1.01 [26.8%]	± 0.00 [0.25%]
alpha_JER_EffectiveNP_2	± 0.81 [21.6%]	± 0.00 [0.24%]
alpha_JES_Group2	± 0.81 [21.5%]	± 0.00 [2.9%]
alpha_JES_Group1	± 0.80 [21.2%]	± 0.00 [2.2%]
alpha_JET_Flavor_Response	± 0.78 [20.8%]	± 0.00 [2.8%]
alpha_JER_EffectiveNP_5	± 0.76 [20.2%]	± 0.00 [0.17%]
alpha_MatrixElement-Top2L	± 0.72 [19.0%]	± 0.00 [0.00%]
alpha_JER_EffectiveNP_7restTerm	± 0.70 [18.5%]	± 0.00 [0.23%]
alpha_JER_EffectiveNP_6	± 0.66 [17.6%]	± 0.00 [0.17%]
alpha_ISR-Top2L	± 0.63 [16.8%]	± 0.00 [0.00%]
mu_tt_2L	± 0.55 [14.5%]	± 0.00 [0.00%]
alpha_JER_EffectiveNP_4	± 0.54 [14.3%]	± 0.00 [0.19%]
alpha_PartonShower-Top2L	± 0.43 [11.4%]	± 0.00 [0.00%]
alpha_JER_DataVsMC	± 0.33 [8.7%]	± 0.00 [0.09%]
gamma_stat_SR2L_cuts_bin_0	± 0.30 [8.0%]	± 0.01 [8.0%]
alpha_pileup	± 0.14 [3.7%]	± 0.01 [5.5%]
alpha_MET_SoftTrk_ResoPara	± 0.10 [2.6%]	± 0.00 [3.4%]
alpha_FSR-Top2L	± 0.09 [2.4%]	± 0.00 [0.00%]
alpha_MET_SoftTrk_ResoPerp	± 0.06 [1.6%]	± 0.00 [3.4%]
alpha_btag_BT	± 0.06 [1.5%]	± 0.01 [4.2%]
alpha_MUON_Trig_sys	± 0.05 [1.4%]	± 0.00 [3.5%]
alpha_EG_RESOLUTION_ALL	± 0.05 [1.3%]	± 0.00 [0.00%]
alpha_MET_SoftTrk	± 0.05 [1.2%]	± 0.00 [3.3%]
alpha_MUON_MS	± 0.04 [0.95%]	± 0.00 [0.00%]
alpha_JVT	± 0.03 [0.74%]	± 0.00 [0.39%]
alpha_MUON_SCALE	± 0.03 [0.74%]	± 0.00 [0.00%]
alpha_MUON_ID	± 0.03 [0.69%]	± 0.00 [3.4%]
alpha_EG_Eff	± 0.02 [0.60%]	± 0.00 [2.0%]
alpha_btag_LightT	± 0.01 [0.31%]	± 0.00 [0.60%]
alpha_MUON_Eff_sys	± 0.01 [0.26%]	± 0.00 [1.1%]
alpha_EG_SCALE_ALL	± 0.01 [0.22%]	± 0.00 [0.00%]
alpha_MUON_Trig_stat	± 0.00 [0.10%]	± 0.00 [0.16%]
alpha_EG_Reco	± 0.00 [0.08%]	± 0.00 [0.14%]
alpha_btag_CT	± 0.00 [0.07%]	± 0.00 [0.61%]
alpha_EG_Trig	± 0.00 [0.07%]	± 0.00 [0.13%]
alpha_MUON_Eff_Iso_sys	± 0.00 [0.04%]	± 0.00 [0.12%]
alpha_JES_Group3	± 0.00 [0.03%]	± 0.00 [0.00%]
alpha_MUON_Eff_Iso_stat	± 0.00 [0.02%]	± 0.00 [0.02%]
alpha_btag_Extra	± 0.00 [0.02%]	± 0.01 [6.1%]
alpha_JET_EtaInt_posEta	± 0.00 [0.02%]	± 0.00 [0.00%]
alpha_JET_EtaInt_negEta	± 0.00 [0.01%]	± 0.00 [0.00%]
alpha_EG_TrigEff	± 0.00 [0.01%]	± 0.00 [0.05%]
alpha_MUON_TTVA_stat	± 0.00 [0.00%]	± 0.00 [0.02%]
gamma_stat_tW2L_CRtt_cuts_bin_0	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_JER_DataVsMC_AFII	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_btag_ExtraFromCharm	± 0.00 [0.00%]	± 0.00 [0.26%]
alpha_MUON_TTVA_sys	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_JET_EtaInt_highE	± 0.00 [0.00%]	± 0.00 [0.00%]
mu_ttV	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_muR_muF_ttV	± 0.00 [0.00%]	± 0.00 [0.00%]
mu_dib	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_fJVT	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_MUON_Eff_stat_lowpt	± 0.00 [0.00%]	± 0.00 [0.00%]
Lumi	± 0.00 [0.00%]	± 0.00 [1.7%]
alpha_fakesSyst	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_MUON_Eff_sys_lowpt	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_MUON_Eff_stat	± 0.00 [0.00%]	± 0.00 [0.13%]
gamma_stat_tW2L_CRWZ_cuts_bin_0	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_EG_SCALE_AF2	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_JET_RelNonClos_AFII	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_muR_muF-Diboson	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_MUON_Eff_BadMuon_sys	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_MUON_Eff_BadMuon_stat	± 0.00 [0.00%]	± 0.00 [0.00%]
gamma_stat_tW2L_CRttZ_cuts_bin_0	± 0.00 [0.00%]	± 0.00 [0.00%]