

Uncertainty of channel	SR2L_Top2L	SR2L_SingleTop
Total background expectation	0.78	6.94
Total statistical ($\sqrt{N_{\text{exp}}}$)	± 0.89	± 2.63
Total background systematic	± 0.44 [56.53%]	± 4.07 [58.64%]
alpha_JER_EffectiveNP_3	± 0.26 [33.1%]	± 4.01 [57.8%]
alpha_JER_EffectiveNP_1	± 0.21 [26.5%]	± 4.01 [57.8%]
alpha_MatrixElement-Top2L	± 0.19 [24.2%]	± 0.00 [0.00%]
alpha_JER_EffectiveNP_2	± 0.16 [21.0%]	± 4.01 [57.8%]
alpha_ISR-Top2L	± 0.16 [20.2%]	± 0.00 [0.00%]
alpha_JER_EffectiveNP_5	± 0.15 [19.1%]	± 4.00 [57.6%]
alpha_JER_EffectiveNP_7restTerm	± 0.14 [17.3%]	± 4.00 [57.6%]
alpha_PartonShower-Top2L	± 0.13 [16.0%]	± 0.00 [0.00%]
alpha_JER_EffectiveNP_6	± 0.12 [15.9%]	± 4.34 [62.6%]
mu_tt_2L	± 0.10 [13.1%]	± 0.00 [0.00%]
alpha_JER_EffectiveNP_4	± 0.10 [12.9%]	± 3.99 [57.5%]
alpha_JES_Group1	± 0.10 [12.3%]	± 0.06 [0.82%]
alpha_JES_Group2	± 0.09 [12.1%]	± 0.07 [0.97%]
alpha_JET_Flavor_Response	± 0.08 [9.8%]	± 0.05 [0.70%]
alpha_JER_DataVsMC	± 0.06 [7.4%]	± 4.34 [62.6%]
gamma_stat_SR2L_cuts_bin_0	± 0.06 [7.2%]	± 0.50 [7.2%]
alpha_pileup	± 0.03 [3.4%]	± 0.00 [0.00%]
alpha_MET_SoftTrk_ResoPara	± 0.02 [2.6%]	± 0.00 [0.00%]
alpha_FSR-Top2L	± 0.02 [2.2%]	± 0.00 [0.00%]
alpha_MET_SoftTrk_ResoPerp	± 0.01 [1.6%]	± 0.00 [0.00%]
alpha_btag_BT	± 0.01 [1.5%]	± 0.00 [0.00%]
alpha_MUON_Trig_sys	± 0.01 [1.3%]	± 0.00 [0.00%]
alpha_MET_SoftTrk	± 0.01 [1.3%]	± 0.00 [0.00%]
alpha_EG_RESOLUTION_ALL	± 0.01 [1.3%]	± 0.00 [0.00%]
alpha_MUON_MS	± 0.01 [1.0%]	± 0.00 [0.00%]
alpha_MUON_SCALE	± 0.01 [0.78%]	± 0.00 [0.00%]
alpha_JVT	± 0.01 [0.74%]	± 0.00 [0.00%]
alpha_MUON_ID	± 0.01 [0.71%]	± 0.00 [0.00%]
alpha_EG_Eff	± 0.00 [0.60%]	± 0.00 [0.00%]
alpha_btag_LightT	± 0.00 [0.31%]	± 0.00 [0.00%]
alpha_MUON_Eff_sys	± 0.00 [0.26%]	± 0.00 [0.00%]
alpha_EG_SCALE_ALL	± 0.00 [0.23%]	± 0.00 [0.00%]
alpha_MUON_Trig_stat	± 0.00 [0.10%]	± 0.00 [0.00%]
alpha_EG_Reco	± 0.00 [0.08%]	± 0.00 [0.00%]
alpha_btag_CT	± 0.00 [0.07%]	± 0.00 [0.00%]
alpha_EG_Trig	± 0.00 [0.07%]	± 0.00 [0.00%]
alpha_MUON_Eff_Iso_sys	± 0.00 [0.04%]	± 0.00 [0.00%]
alpha_JET_EtaInt_posEta	± 0.00 [0.02%]	± 4.34 [62.6%]
alpha_JES_Group3	± 0.00 [0.02%]	± 0.00 [0.06%]
alpha_MUON_Eff_Iso_stat	± 0.00 [0.02%]	± 0.00 [0.00%]
alpha_btag_Extra	± 0.00 [0.02%]	± 0.00 [0.00%]
alpha_EG_TrigEff	± 0.00 [0.01%]	± 0.00 [0.00%]
alpha_JET_EtaInt_negEta	± 0.00 [0.00%]	± 4.34 [62.6%]
alpha_MUON_TTVA_stat	± 0.00 [0.00%]	± 0.00 [0.00%]
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 [0.00%]
alpha_MUON_TTVA_sys	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_JET_EtaInt_highE	± 0.00 [0.00%]	± 4.34 [62.6%]
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%]	± 0.12 [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 [0.00%]
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%]