

Uncertainty of channel	SR2L_Top2L	SR2L_SingleTop
Total background expectation	1.17	0.14
Total statistical ($\sqrt{N_{\text{exp}}}$)	± 1.08	± 0.37
Total background systematic	± 0.98 [83.75%]	± 0.02 [15.95%]
alpha_JER_EffectiveNP_3	± 0.43 [37.0%]	± 0.00 [1.9%]
alpha_JER_EffectiveNP_1	± 0.35 [30.0%]	± 0.00 [2.0%]
alpha_MatrixElement-Top2L	± 0.30 [26.0%]	± 0.00 [0.00%]
alpha_JER_EffectiveNP_2	± 0.28 [24.0%]	± 0.00 [1.9%]
alpha_JER_EffectiveNP_5	± 0.26 [22.0%]	± 0.00 [1.9%]
alpha_JES_Group1	± 0.24 [20.5%]	± 0.00 [0.19%]
alpha_ISR-Top2L	± 0.24 [20.4%]	± 0.00 [0.00%]
alpha_JES_Group2	± 0.24 [20.2%]	± 0.00 [2.0%]
alpha_JER_EffectiveNP_7restTerm	± 0.23 [20.0%]	± 0.00 [1.9%]
alpha_JER_EffectiveNP_6	± 0.22 [19.0%]	± 0.00 [1.9%]
alpha_PartonShower-Top2L	± 0.21 [17.9%]	± 0.00 [0.00%]
alpha_JET_Flavor_Response	± 0.19 [16.5%]	± 0.00 [1.9%]
alpha_JER_EffectiveNP_4	± 0.18 [15.0%]	± 0.00 [1.9%]
alpha_JER_DataVsMC	± 0.11 [9.0%]	± 0.00 [1.8%]
gamma_stat_SR2L_cuts_bin_0	± 0.10 [8.4%]	± 0.01 [8.4%]
alpha_pileup	± 0.04 [3.5%]	± 0.01 [5.2%]
alpha_MET_SoftTrk_ResoPara	± 0.03 [2.6%]	± 0.00 [1.8%]
alpha_FSR-Top2L	± 0.03 [2.2%]	± 0.00 [0.00%]
alpha_MET_SoftTrk_ResoPerp	± 0.02 [1.7%]	± 0.00 [1.8%]
alpha_btag_BT	± 0.02 [1.5%]	± 0.01 [4.3%]
alpha_MUON_Trig_sys	± 0.02 [1.4%]	± 0.00 [3.5%]
alpha_MET_SoftTrk	± 0.02 [1.3%]	± 0.00 [1.8%]
alpha_EG_RESOLUTION_ALL	± 0.02 [1.3%]	± 0.00 [1.7%]
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 [0.39%]
alpha_MUON_ID	± 0.01 [0.71%]	± 0.00 [1.8%]
alpha_EG_Eff	± 0.01 [0.60%]	± 0.00 [2.0%]
alpha_btag_LightT	± 0.00 [0.31%]	± 0.00 [0.61%]
alpha_MUON_Eff_sys	± 0.00 [0.26%]	± 0.00 [1.1%]
alpha_EG_SCALE_ALL	± 0.00 [0.23%]	± 0.00 [1.7%]
alpha_MUON_Trig_stat	± 0.00 [0.10%]	± 0.00 [0.16%]
alpha_EG_Reco	± 0.00 [0.09%]	± 0.00 [0.14%]
alpha_btag_CT	± 0.00 [0.07%]	± 0.00 [0.62%]
alpha_EG_Trig	± 0.00 [0.07%]	± 0.00 [0.13%]
alpha_MUON_Eff_Iso_sys	± 0.00 [0.04%]	± 0.00 [0.13%]
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 [6.3%]
alpha_JET_EtaInt_posEta	± 0.00 [0.02%]	± 0.00 [1.7%]
alpha_JET_EtaInt_negEta	± 0.00 [0.01%]	± 0.00 [1.7%]
mu_tt_2L	± 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 [0.27%]
alpha_MUON_TTVA_sys	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_JET_EtaInt_highE	± 0.00 [0.00%]	± 0.00 [1.7%]
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 [1.7%]
alpha_MUON_Eff_stat_lowpt	± 0.00 [0.00%]	± 0.00 [1.7%]
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 [1.7%]
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 [1.7%]
alpha_MUON_Eff_BadMuon_stat	± 0.00 [0.00%]	± 0.00 [1.7%]
gamma_stat_tW2L_CRttZ_cuts_bin_0	± 0.00 [0.00%]	± 0.00 [0.00%]