

Uncertainty of channel	SR2L_Top2L	SR2L_SingleTop
Total background expectation	3.51	1.69
Total statistical ($\sqrt{N_{\text{exp}}}$)	± 1.87	± 1.30
Total background systematic	± 17.10 [487.48%]	± 39150.29 [2316509.75%]
alpha_JES_Group2	± 4.36 [124.2%]	± 0.16 [9.2%]
alpha_JET_Flavor_Response	± 4.08 [116.4%]	± 0.15 [8.9%]
alpha_JES_Group1	± 3.36 [95.7%]	± 0.03 [1.9%]
alpha_JER_EffectiveNP_3	± 1.93 [55.1%]	± 1.90 [112.4%]
alpha_JER_EffectiveNP_6	± 1.65 [47.0%]	± 0.01 [0.45%]
alpha_JER_EffectiveNP_1	± 1.26 [35.8%]	± 1.49 [88.1%]
alpha_JER_EffectiveNP_4	± 0.69 [19.7%]	± 1.61 [95.3%]
alpha_JER_EffectiveNP_2	± 0.68 [19.5%]	± 0.96 [56.6%]
alpha_MatrixElement-Top2L	± 0.62 [17.6%]	± 0.00 [0.00%]
alpha_JER_EffectiveNP_7restTerm	± 0.59 [16.7%]	± 1.00 [59.1%]
gamma_stat_SR2L_cuts_bin_0	± 0.58 [16.7%]	± 0.28 [16.7%]
alpha_JER_EffectiveNP_5	± 0.56 [16.0%]	± 0.86 [50.7%]
alpha_JER_DataVsMC	± 0.49 [14.0%]	± 0.00 [0.15%]
alpha_PartonShower-Top2L	± 0.28 [8.0%]	± 0.00 [0.00%]
alpha_ISR-Top2L	± 0.17 [4.7%]	± 0.00 [0.00%]
alpha_pileup	± 0.12 [3.4%]	± 0.00 [0.00%]
mu_tt_2L	± 0.12 [3.3%]	± 0.00 [0.00%]
alpha_MET_SoftTrk_ResoPara	± 0.08 [2.2%]	± 0.00 [0.00%]
alpha_FSR-Top2L	± 0.06 [1.7%]	± 0.00 [0.00%]
alpha_MET_SoftTrk_ResoPerp	± 0.05 [1.4%]	± 0.00 [0.00%]
alpha_btag_BT	± 0.04 [1.2%]	± 0.00 [0.00%]
alpha_MUON_Trig_sys	± 0.04 [1.2%]	± 0.00 [0.00%]
alpha_EG_RESOLUTION_ALL	± 0.04 [1.1%]	± 0.00 [0.00%]
alpha_MET_SoftTrk	± 0.04 [1.0%]	± 0.00 [0.00%]
alpha_MUON_MS	± 0.03 [0.78%]	± 0.00 [0.00%]
alpha_JVT	± 0.02 [0.60%]	± 0.00 [0.00%]
alpha_MUON_SCALE	± 0.02 [0.60%]	± 0.00 [0.00%]
alpha_MUON_ID	± 0.02 [0.55%]	± 0.00 [0.00%]
alpha_EG_Eff	± 0.02 [0.49%]	± 0.00 [0.00%]
alpha_btag_LightT	± 0.01 [0.24%]	± 0.00 [0.00%]
alpha_MUON_Eff_sys	± 0.01 [0.21%]	± 0.00 [0.00%]
alpha_EG_SCALE_ALL	± 0.01 [0.17%]	± 0.00 [0.00%]
alpha_MUON_Trig_stat	± 0.00 [0.08%]	± 0.00 [0.00%]
alpha_EG_Reco	± 0.00 [0.07%]	± 0.00 [0.00%]
alpha_btag_CT	± 0.00 [0.06%]	± 0.00 [0.00%]
alpha_EG_Trig	± 0.00 [0.05%]	± 0.00 [0.00%]
alpha_MUON_Eff_Iso_sys	± 0.00 [0.03%]	± 0.00 [0.00%]
alpha_JES_Group3	± 0.00 [0.02%]	± 0.00 [0.00%]
alpha_MUON_Eff_Iso_stat	± 0.00 [0.02%]	± 0.00 [0.00%]
alpha_btag_Extra	± 0.00 [0.01%]	± 0.00 [0.00%]
alpha_JET_EtaInt_posEta	± 0.00 [0.01%]	± 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 [0.00%]
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%]	± 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%]
alpha_singletopSyst	± 0.00 [0.00%]	± 39151.26 [2316567.3%]
Lumi	± 0.00 [0.00%]	± 0.02 [1.4%]
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%]