

| Uncertainty of channel | SR2L |
|---|---------------------|
| Total background expectation | 5.68 |
| Total statistical ($\sqrt{N_{\text{exp}}}$) | ± 2.38 |
| Total background systematic | ± 1.30 [22.89%] |
| alpha_muR_muF-ttV | ± 0.61 [10.7%] |
| gamma_stat_SR2L_cuts_bin_0 | ± 0.48 [8.4%] |
| alpha_JER_EffectiveNP_1 | ± 0.39 [6.9%] |
| alpha_JES_Group1 | ± 0.39 [6.9%] |
| alpha_JER_EffectiveNP_2 | ± 0.38 [6.7%] |
| alpha_JER_EffectiveNP_3 | ± 0.38 [6.6%] |
| alpha_JES_Group2 | ± 0.37 [6.6%] |
| alpha_MatrixElement-Top2L | ± 0.30 [5.4%] |
| alpha_JET_Flavor_Response | ± 0.28 [4.9%] |
| alpha_ISR-Top2L | ± 0.24 [4.2%] |
| alpha_PartonShower-Top2L | ± 0.21 [3.7%] |
| alpha_muR_muF-Diboson | ± 0.14 [2.5%] |
| alpha_JER_EffectiveNP_6 | ± 0.13 [2.2%] |
| alpha_JER_EffectiveNP_5 | ± 0.12 [2.1%] |
| alpha_JER_EffectiveNP_7restTerm | ± 0.11 [2.0%] |
| alpha_JER_DataVsMC | ± 0.07 [1.3%] |
| alpha_MUON_Trig_sys | ± 0.07 [1.3%] |
| alpha_MET_SoftTrk_ResoPerp | ± 0.05 [0.79%] |
| alpha_JER_EffectiveNP_4 | ± 0.04 [0.78%] |
| alpha_EG_Eff | ± 0.04 [0.68%] |
| alpha_EG_RESOLUTION_ALL | ± 0.03 [0.55%] |
| alpha_FSR-Top2L | ± 0.03 [0.45%] |
| alpha_MET_SoftTrk | ± 0.02 [0.44%] |
| alpha_JES_Group3 | ± 0.02 [0.41%] |
| alpha_btag_BT | ± 0.02 [0.37%] |
| alpha_MET_SoftTrk_ResoPara | ± 0.02 [0.32%] |
| alpha_pileup | ± 0.02 [0.32%] |
| alpha_JVT | ± 0.02 [0.28%] |
| alpha_btag_Extra | ± 0.01 [0.26%] |
| alpha_JET_EtaInt_negEta | ± 0.01 [0.20%] |
| alpha_MUON_Eff_sys | ± 0.01 [0.19%] |
| alpha_MUON_ID | ± 0.01 [0.13%] |
| alpha_btag_ExtraFromCharm | ± 0.00 [0.09%] |
| alpha_MUON_SCALE | ± 0.00 [0.08%] |
| alpha_JER_DataVsMC_AFII | ± 0.00 [0.07%] |
| alpha_MUON_Trig_stat | ± 0.00 [0.07%] |
| Lumi | ± 0.00 [0.07%] |
| alpha_EG_Reco | ± 0.00 [0.06%] |
| alpha_EG_Trig | ± 0.00 [0.06%] |
| alpha_MUON_Eff_Iso_sys | ± 0.00 [0.05%] |
| alpha_MUON_Eff_stat | ± 0.00 [0.04%] |
| alpha_MUON_MS | ± 0.00 [0.04%] |
| alpha_EG_SCALE_AF2 | ± 0.00 [0.02%] |
| alpha_btag_CT | ± 0.00 [0.01%] |
| alpha_JET_EtaInt_posEta | ± 0.00 [0.01%] |
| alpha_EG_SCALE_ALL | ± 0.00 [0.01%] |
| alpha_EG_TrigEff | ± 0.00 [0.01%] |
| alpha_MUON_TTVA_stat | ± 0.00 [0.01%] |
| alpha_JET_RelNonClos_AFII | ± 0.00 [0.01%] |
| mu_ttV | ± 0.00 [0.01%] |
| alpha_MUON_Eff_Iso_stat | ± 0.00 [0.00%] |
| alpha_btag_LightT | ± 0.00 [0.00%] |
| mu_tt_2L | ± 0.00 [0.00%] |
| alpha_MUON_TTVA_sys | ± 0.00 [0.00%] |
| mu_dib | ± 0.00 [0.00%] |
| alpha_JET_EtaInt_highE | ± 0.00 [0.00%] |
| gamma_stat_tW2L_CRtt_cuts_bin_0 | ± 0.00 [0.00%] |
| alpha_fJVT | ± 0.00 [0.00%] |
| alpha_MUON_Eff_stat_lowpt | ± 0.00 [0.00%] |
| alpha_fakesSyst | ± 0.00 [0.00%] |
| alpha_MUON_Eff_sys_lowpt | ± 0.00 [0.00%] |
| gamma_stat_tW2L_CRWZ_cuts_bin_0 | ± 0.00 [0.00%] |
| alpha_MUON_Eff_BadMuon_sys | ± 0.00 [0.00%] |
| alpha_MUON_Eff_BadMuon_stat | ± 0.00 [0.00%] |
| gamma_stat_tW2L_CRttZ_cuts_bin_0 | ± 0.00 [0.00%] |