

Uncertainty of channel	SR1LBin2.Top1L	SR1LBin2.SingleTop
Total background expectation	20.39	6.03
Total statistical ( $\sqrt{N_{\text{exp}}}$ )	$\pm 4.52$	$\pm 2.46$
Total background systematic	$\pm 8.90$ [43.66%]	$\pm 3.34$ [55.43%]
alpha_PartonShower-Top1L	$\pm 6.49$ [31.8%]	$\pm 0.00$ [0.00%]
alpha_ISR-Top1L	$\pm 5.18$ [25.4%]	$\pm 0.00$ [0.00%]
alpha_MatrixElement-Top1L	$\pm 2.87$ [14.1%]	$\pm 0.00$ [0.00%]
gamma_stat_SR1LBin2.cuts_bin_0	$\pm 0.89$ [4.3%]	$\pm 0.26$ [4.3%]
alpha_FSR-Top1L	$\pm 0.67$ [3.3%]	$\pm 0.00$ [0.00%]
alpha_JET_Flavor_Response	$\pm 0.44$ [2.2%]	$\pm 0.04$ [0.62%]
alpha_JES_Group2	$\pm 0.42$ [2.0%]	$\pm 0.04$ [0.70%]
alpha_JES_Group1	$\pm 0.34$ [1.7%]	$\pm 0.13$ [2.1%]
alpha_JER_EffectiveNP_7restTerm	$\pm 0.27$ [1.3%]	$\pm 0.16$ [2.6%]
alpha_JES_Group3	$\pm 0.26$ [1.3%]	$\pm 0.14$ [2.4%]
alpha_JER_EffectiveNP_1	$\pm 0.25$ [1.2%]	$\pm 0.53$ [8.8%]
alpha_JER_EffectiveNP_4	$\pm 0.22$ [1.1%]	$\pm 0.15$ [2.4%]
alpha_btag_BT	$\pm 0.17$ [0.84%]	$\pm 0.14$ [2.3%]
alpha_JER_EffectiveNP_2	$\pm 0.14$ [0.71%]	$\pm 0.59$ [9.8%]
alpha_MET_SoftTrk_ResoPara	$\pm 0.13$ [0.63%]	$\pm 0.10$ [1.7%]
alpha_pileup	$\pm 0.13$ [0.63%]	$\pm 0.06$ [0.99%]
alpha_JER_EffectiveNP_3	$\pm 0.13$ [0.62%]	$\pm 0.34$ [5.6%]
alpha_JER_EffectiveNP_5	$\pm 0.11$ [0.56%]	$\pm 0.35$ [5.7%]
alpha_MUON_ID	$\pm 0.09$ [0.43%]	$\pm 0.08$ [1.4%]
alpha_btag_LightT	$\pm 0.07$ [0.33%]	$\pm 0.00$ [0.03%]
alpha_JER_EffectiveNP_6	$\pm 0.06$ [0.32%]	$\pm 0.10$ [1.6%]
alpha_MET_SoftTrk_ResoPerp	$\pm 0.05$ [0.22%]	$\pm 0.02$ [0.37%]
alpha_EG_Eff	$\pm 0.04$ [0.22%]	$\pm 0.05$ [0.77%]
alpha_MUON_MS	$\pm 0.04$ [0.18%]	$\pm 0.05$ [0.80%]
alpha_MUON_SCALE	$\pm 0.03$ [0.17%]	$\pm 0.08$ [1.3%]
alpha_EG_SCALE_ALL	$\pm 0.03$ [0.16%]	$\pm 0.01$ [0.11%]
alpha_EG_RESOLUTION_ALL	$\pm 0.03$ [0.15%]	$\pm 0.02$ [0.26%]
alpha_btag_CT	$\pm 0.03$ [0.13%]	$\pm 0.00$ [0.01%]
alpha_btag_ExtraFromCharm	$\pm 0.02$ [0.08%]	$\pm 0.01$ [0.10%]
alpha_JET_EtaInt_posEta	$\pm 0.02$ [0.08%]	$\pm 0.00$ [0.00%]
alpha_JER_DataVsMC	$\pm 0.01$ [0.05%]	$\pm 0.26$ [4.4%]
alpha_JET_EtaInt_negEta	$\pm 0.01$ [0.05%]	$\pm 0.00$ [0.07%]
alpha_MUON_Eff_sys	$\pm 0.01$ [0.03%]	$\pm 0.02$ [0.40%]
alpha_btag_Extra	$\pm 0.01$ [0.03%]	$\pm 0.02$ [0.34%]
alpha_JVT	$\pm 0.01$ [0.03%]	$\pm 0.03$ [0.46%]
mu_tt_1L	$\pm 0.00$ [0.01%]	$\pm 0.00$ [0.00%]
alpha_MUON_Eff_Iso_sys	$\pm 0.00$ [0.01%]	$\pm 0.00$ [0.08%]
alpha_EG_Reco	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.07%]
alpha_MET_SoftTrk	$\pm 0.00$ [0.00%]	$\pm 0.08$ [1.4%]
alpha_JET_EtaInt_highE	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
alpha_EG_Trig	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
alpha_qsf-Wjets	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
alpha_JER_DataVsMC_AFII	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
alpha_MUON_Trig_sys	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
alpha_MUON_TTVA_sys	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
alpha_ISR-SingleTop	$\pm 0.00$ [0.00%]	$\pm 1.13$ [18.8%]
alpha_muR_muF_ttV	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
alpha_ckkw-Wjets	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
alpha_fJVT	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
alpha_MUON_TTVA_stat	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.01%]
alpha_EG_TrigEff	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
alpha_MatrixElement-SingleTop	$\pm 0.00$ [0.00%]	$\pm 0.13$ [2.1%]
alpha_Interference-SingleTop	$\pm 0.00$ [0.00%]	$\pm 2.18$ [36.1%]
gamma_stat_tW1L_CRWm.cuts_bin_0	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
Lumi	$\pm 0.00$ [0.00%]	$\pm 0.10$ [1.7%]
gamma_stat_SR1LBin3.cuts_bin_0	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
alpha_MUON_Eff_Iso_stat	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.01%]
alpha_MUON_Eff_sys_lowpt	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
alpha_MUON_Eff_stat	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.04%]
gamma_stat_SR1LBin0.cuts_bin_0	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
alpha_ckkw-Zjets	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
mu_W	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
gamma_stat_SR1LBin4.cuts_bin_0	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
alpha_PartonShower-SingleTop	$\pm 0.00$ [0.00%]	$\pm 1.99$ [33.0%]
alpha_qsf-Zjets	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
alpha_muR_muF-Wjets	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
alpha_FSR-SingleTop	$\pm 0.00$ [0.00%]	$\pm 0.11$ [1.8%]
alpha_EG_SCALE_AF2	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]