

Uncertainty of channel	SR1LBin1_Top1L	SR1LBin1_SingleTop
Total background expectation	95.00	19.13
Total statistical ( $\sqrt{N_{\text{exp}}}$ )	$\pm 9.75$	$\pm 4.37$
Total background systematic	$\pm 8.39$ [8.83%]	$\pm 7.30$ [38.17%]
alpha_PartonShower-Top1L	$\pm 12.30$ [12.9%]	$\pm 0.00$ [0.00%]
alpha_ISR-Top1L	$\pm 11.58$ [12.2%]	$\pm 0.00$ [0.00%]
mu_tt_1L	$\pm 9.11$ [9.6%]	$\pm 0.00$ [0.00%]
alpha_MatrixElement-Top1L	$\pm 8.90$ [9.4%]	$\pm 0.00$ [0.00%]
gamma_stat_SR1LBin1_cuts_bin_0	$\pm 2.24$ [2.4%]	$\pm 0.45$ [2.4%]
alpha_JER_EffectiveNP_3	$\pm 1.34$ [1.4%]	$\pm 0.35$ [1.8%]
alpha_JER_EffectiveNP_1	$\pm 1.21$ [1.3%]	$\pm 0.17$ [0.86%]
alpha_JER_EffectiveNP_6	$\pm 1.13$ [1.2%]	$\pm 0.15$ [0.81%]
alpha_JER_EffectiveNP_7restTerm	$\pm 1.09$ [1.1%]	$\pm 0.09$ [0.47%]
alpha_JER_EffectiveNP_4	$\pm 1.07$ [1.1%]	$\pm 0.01$ [0.07%]
alpha_JER_EffectiveNP_2	$\pm 0.94$ [0.99%]	$\pm 0.45$ [2.3%]
alpha_btag_BT	$\pm 0.91$ [0.96%]	$\pm 0.24$ [1.2%]
alpha_JER_EffectiveNP_5	$\pm 0.84$ [0.89%]	$\pm 0.05$ [0.28%]
alpha_MET_SoftTrk_ResoPara	$\pm 0.69$ [0.73%]	$\pm 0.62$ [3.2%]
alpha_JES_Group2	$\pm 0.54$ [0.56%]	$\pm 1.04$ [5.5%]
alpha_pileup	$\pm 0.43$ [0.45%]	$\pm 0.11$ [0.59%]
alpha_JES_Group3	$\pm 0.39$ [0.41%]	$\pm 0.37$ [2.0%]
alpha_MET_SoftTrk_ResoPerp	$\pm 0.37$ [0.38%]	$\pm 0.72$ [3.8%]
alpha_EG_SCALE_ALL	$\pm 0.33$ [0.35%]	$\pm 0.04$ [0.20%]
alpha_btag_LightT	$\pm 0.21$ [0.22%]	$\pm 0.04$ [0.23%]
alpha_btag_CT	$\pm 0.20$ [0.21%]	$\pm 0.04$ [0.20%]
alpha_JER_DataVsMC	$\pm 0.17$ [0.18%]	$\pm 0.96$ [5.0%]
alpha_btag_ExtraFromCharm	$\pm 0.17$ [0.17%]	$\pm 0.00$ [0.02%]
alpha_MUON_SCALE	$\pm 0.16$ [0.17%]	$\pm 0.09$ [0.47%]
alpha_JES_Group1	$\pm 0.12$ [0.13%]	$\pm 0.86$ [4.5%]
alpha_MUON_ID	$\pm 0.12$ [0.13%]	$\pm 0.07$ [0.38%]
alpha_MET_SoftTrk	$\pm 0.09$ [0.09%]	$\pm 0.03$ [0.18%]
alpha_MUON_MS	$\pm 0.08$ [0.08%]	$\pm 0.03$ [0.16%]
alpha_EG_RESOLUTION_ALL	$\pm 0.08$ [0.08%]	$\pm 0.13$ [0.69%]
alpha_JET_EtaInt_posEta	$\pm 0.03$ [0.03%]	$\pm 0.00$ [0.00%]
alpha_JVT	$\pm 0.03$ [0.03%]	$\pm 0.03$ [0.14%]
alpha_EG_Eff	$\pm 0.02$ [0.03%]	$\pm 0.16$ [0.82%]
alpha_JET_Flavor_Response	$\pm 0.02$ [0.02%]	$\pm 0.68$ [3.5%]
alpha_JET_EtaInt_negEta	$\pm 0.02$ [0.02%]	$\pm 0.00$ [0.00%]
alpha_FSR-Top1L	$\pm 0.01$ [0.01%]	$\pm 0.00$ [0.00%]
alpha_JET_EtaInt_highE	$\pm 0.01$ [0.01%]	$\pm 0.00$ [0.00%]
alpha_MUON_Eff_Iso_sys	$\pm 0.00$ [0.00%]	$\pm 0.02$ [0.08%]
alpha_MUON_Eff_sys	$\pm 0.00$ [0.00%]	$\pm 0.07$ [0.36%]
alpha_btag_Extra	$\pm 0.00$ [0.00%]	$\pm 0.07$ [0.39%]
alpha_MUON_Eff_stat	$\pm 0.00$ [0.00%]	$\pm 0.01$ [0.04%]
alpha_EG_Reco	$\pm 0.00$ [0.00%]	$\pm 0.02$ [0.08%]
alpha_MUON_Eff_Iso_stat	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.01%]
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%]	$\pm 3.10$ [16.2%]
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%]	$\pm 2.20$ [11.5%]
alpha_Interference-SingleTop	$\pm 0.00$ [0.00%]	$\pm 6.70$ [35.0%]
gamma_stat_tW1L_CRWm_cuts_bin_0	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
Lumi	$\pm 0.00$ [0.00%]	$\pm 0.32$ [1.7%]
gamma_stat_SR1LBin3_cuts_bin_0	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
alpha_MUON_Eff_sys_lowpt	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
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%]	$\pm 0.41$ [2.1%]
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%]	$\pm 0.74$ [3.9%]
alpha_EG_SCALE_AF2	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]