

Uncertainty of channel	SR1LBin4_Top1L	SR1LBin4_SingleTop
Total background expectation	2.92	2.36
Total statistical ( $\sqrt{N_{\text{exp}}}$ )	$\pm 1.71$	$\pm 1.54$
Total background systematic	$\pm 2.15$ [73.79%]	$\pm 2.17$ [92.01%]
alpha_MatrixElement-Top1L	$\pm 1.30$ [44.6%]	$\pm 0.00$ [0.00%]
alpha_PartonShower-Top1L	$\pm 1.21$ [41.3%]	$\pm 0.00$ [0.00%]
alpha_ISR-Top1L	$\pm 1.14$ [39.0%]	$\pm 0.00$ [0.00%]
alpha_FSR-Top1L	$\pm 0.34$ [11.7%]	$\pm 0.00$ [0.00%]
gamma_stat_SR1LBin4_cuts_bin_0	$\pm 0.23$ [7.8%]	$\pm 0.18$ [7.8%]
alpha_JER_EffectiveNP_2	$\pm 0.07$ [2.3%]	$\pm 0.10$ [4.1%]
alpha_MUON_Eff_sys	$\pm 0.06$ [2.2%]	$\pm 0.01$ [0.40%]
alpha_JES_Group3	$\pm 0.06$ [2.2%]	$\pm 0.06$ [2.7%]
alpha_JER_EffectiveNP_1	$\pm 0.06$ [2.1%]	$\pm 0.11$ [4.5%]
alpha_btag_BT	$\pm 0.04$ [1.5%]	$\pm 0.08$ [3.5%]
alpha_JES_Group2	$\pm 0.04$ [1.3%]	$\pm 0.09$ [3.7%]
alpha_JER_DataVsMC	$\pm 0.03$ [1.2%]	$\pm 0.04$ [1.6%]
alpha_JET_Flavor_Response	$\pm 0.03$ [1.1%]	$\pm 0.01$ [0.49%]
alpha_JER_EffectiveNP_4	$\pm 0.03$ [1.1%]	$\pm 0.10$ [4.2%]
alpha_JER_EffectiveNP_5	$\pm 0.03$ [1.0%]	$\pm 0.08$ [3.4%]
alpha_JER_EffectiveNP_7restTerm	$\pm 0.03$ [0.97%]	$\pm 0.13$ [5.6%]
alpha_MET_SoftTrk_ResoPerp	$\pm 0.03$ [0.90%]	$\pm 0.02$ [0.88%]
alpha_JER_EffectiveNP_6	$\pm 0.03$ [0.86%]	$\pm 0.11$ [4.5%]
alpha_pileup	$\pm 0.02$ [0.84%]	$\pm 0.00$ [0.11%]
alpha_btag_LightT	$\pm 0.01$ [0.44%]	$\pm 0.00$ [0.18%]
alpha_JES_Group1	$\pm 0.01$ [0.37%]	$\pm 0.09$ [4.0%]
alpha_MUON_ID	$\pm 0.01$ [0.26%]	$\pm 0.03$ [1.3%]
alpha_MUON_MS	$\pm 0.01$ [0.24%]	$\pm 0.01$ [0.33%]
alpha_MET_SoftTrk_ResoPara	$\pm 0.01$ [0.18%]	$\pm 0.01$ [0.40%]
alpha_EG_SCALE_ALL	$\pm 0.00$ [0.17%]	$\pm 0.00$ [0.05%]
alpha_btag_CT	$\pm 0.00$ [0.15%]	$\pm 0.00$ [0.03%]
alpha_btag_ExtraFromCharm	$\pm 0.00$ [0.14%]	$\pm 0.00$ [0.20%]
alpha_MET_SoftTrk	$\pm 0.00$ [0.12%]	$\pm 0.03$ [1.4%]
alpha_JVT	$\pm 0.00$ [0.11%]	$\pm 0.01$ [0.29%]
alpha_JER_EffectiveNP_3	$\pm 0.00$ [0.10%]	$\pm 0.10$ [4.3%]
alpha_MUON_SCALE	$\pm 0.00$ [0.09%]	$\pm 0.00$ [0.00%]
alpha_EG_RESOLUTION_ALL	$\pm 0.00$ [0.08%]	$\pm 0.02$ [0.94%]
alpha_EG_Eff	$\pm 0.00$ [0.07%]	$\pm 0.02$ [0.91%]
alpha_btag_Extra	$\pm 0.00$ [0.05%]	$\pm 0.09$ [3.9%]
alpha_JET_EtaInt_posEta	$\pm 0.00$ [0.04%]	$\pm 0.00$ [0.00%]
alpha_MUON_Eff_Iso_sys	$\pm 0.00$ [0.02%]	$\pm 0.00$ [0.08%]
mu_tt_1L	$\pm 0.00$ [0.01%]	$\pm 0.00$ [0.00%]
alpha_EG_Reco	$\pm 0.00$ [0.01%]	$\pm 0.00$ [0.07%]
alpha_JET_EtaInt_negEta	$\pm 0.00$ [0.01%]	$\pm 0.00$ [0.00%]
alpha_MUON_Eff_stat	$\pm 0.00$ [0.01%]	$\pm 0.00$ [0.05%]
alpha_MUON_TTVA_stat	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.01%]
alpha_MUON_Eff_Iso_stat	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.01%]
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%]	$\pm 1.09$ [46.2%]
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_EG_TrigEff	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
alpha_MatrixElement-SingleTop	$\pm 0.00$ [0.00%]	$\pm 0.35$ [15.0%]
alpha_Interference-SingleTop	$\pm 0.00$ [0.00%]	$\pm 1.26$ [53.2%]
gamma_stat_tW1L_CRWm_cuts_bin_0	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
Lumi	$\pm 0.00$ [0.00%]	$\pm 0.04$ [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%]
alpha_PartonShower-SingleTop	$\pm 0.00$ [0.00%]	$\pm 0.38$ [16.2%]
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%]	$\pm 1.23$ [52.3%]
alpha_EG_SCALE_AF2	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
gamma_stat_SR1LBin1_cuts_bin_0	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]