

Uncertainty of channel	SR1LBin3_Top1L	SR1LBin3_SingleTop
Total background expectation	5.28	2.33
Total statistical ( $\sqrt{N_{\text{exp}}}$ )	$\pm 2.30$	$\pm 1.53$
Total background systematic	$\pm 1.72$ [32.63%]	$\pm 1.85$ [79.39%]
alpha_PartonShower-Top1L	$\pm 1.31$ [24.8%]	$\pm 0.00$ [0.00%]
alpha_FSR-Top1L	$\pm 0.70$ [13.2%]	$\pm 0.00$ [0.00%]
alpha_ISR-Top1L	$\pm 0.67$ [12.7%]	$\pm 0.00$ [0.00%]
gamma_stat_SR1LBin3_cuts_bin_0	$\pm 0.29$ [5.6%]	$\pm 0.13$ [5.6%]
alpha_JER_EffectiveNP_3	$\pm 0.28$ [5.3%]	$\pm 0.15$ [6.5%]
alpha_JER_EffectiveNP_2	$\pm 0.16$ [3.1%]	$\pm 0.13$ [5.4%]
alpha_MatrixElement-Top1L	$\pm 0.16$ [3.0%]	$\pm 0.00$ [0.00%]
alpha_JER_EffectiveNP_5	$\pm 0.14$ [2.6%]	$\pm 0.09$ [3.7%]
alpha_JER_EffectiveNP_7restTerm	$\pm 0.14$ [2.6%]	$\pm 0.12$ [5.0%]
alpha_JES_Group3	$\pm 0.13$ [2.4%]	$\pm 0.02$ [0.96%]
alpha_JES_Group2	$\pm 0.09$ [1.8%]	$\pm 0.07$ [2.9%]
alpha_pileup	$\pm 0.09$ [1.7%]	$\pm 0.01$ [0.29%]
alpha_JER_DataVsMC	$\pm 0.09$ [1.6%]	$\pm 0.05$ [2.3%]
alpha_JER_EffectiveNP_6	$\pm 0.08$ [1.5%]	$\pm 0.15$ [6.4%]
alpha_JET_Flavor_Response	$\pm 0.08$ [1.5%]	$\pm 0.06$ [2.6%]
alpha_btag_BT	$\pm 0.05$ [0.89%]	$\pm 0.04$ [1.6%]
alpha_JER_EffectiveNP_4	$\pm 0.03$ [0.64%]	$\pm 0.11$ [4.9%]
alpha_MET_SoftTrk_ResoPara	$\pm 0.03$ [0.64%]	$\pm 0.01$ [0.29%]
alpha_JES_Group1	$\pm 0.03$ [0.60%]	$\pm 0.11$ [4.8%]
alpha_EG_SCALE_ALL	$\pm 0.02$ [0.44%]	$\pm 0.00$ [0.08%]
alpha_MET_SoftTrk	$\pm 0.02$ [0.35%]	$\pm 0.02$ [0.95%]
alpha_btag_ExtraFromCharm	$\pm 0.01$ [0.25%]	$\pm 0.00$ [0.13%]
alpha_btag_CT	$\pm 0.01$ [0.22%]	$\pm 0.00$ [0.20%]
alpha_EG_Eff	$\pm 0.01$ [0.22%]	$\pm 0.02$ [0.77%]
alpha_MUON_MS	$\pm 0.01$ [0.18%]	$\pm 0.00$ [0.07%]
alpha_MET_SoftTrk_ResoPerp	$\pm 0.01$ [0.15%]	$\pm 0.02$ [0.84%]
alpha_JER_EffectiveNP_1	$\pm 0.01$ [0.11%]	$\pm 0.14$ [5.9%]
alpha_JET_EtaInt_posEta	$\pm 0.01$ [0.10%]	$\pm 0.00$ [0.01%]
alpha_btag_Extra	$\pm 0.01$ [0.09%]	$\pm 0.02$ [0.68%]
alpha_EG_RESOLUTION_ALL	$\pm 0.00$ [0.08%]	$\pm 0.00$ [0.06%]
alpha_JVT	$\pm 0.00$ [0.05%]	$\pm 0.01$ [0.28%]
alpha_JET_EtaInt_negEta	$\pm 0.00$ [0.05%]	$\pm 0.00$ [0.00%]
alpha_MUON_Eff_sys	$\pm 0.00$ [0.05%]	$\pm 0.01$ [0.35%]
alpha_MUON_SCALE	$\pm 0.00$ [0.04%]	$\pm 0.01$ [0.31%]
alpha_btag_LightT	$\pm 0.00$ [0.04%]	$\pm 0.01$ [0.34%]
alpha_MUON_ID	$\pm 0.00$ [0.03%]	$\pm 0.02$ [0.69%]
mu_tt_1L	$\pm 0.00$ [0.01%]	$\pm 0.00$ [0.00%]
alpha_MUON_Eff_Iso_sys	$\pm 0.00$ [0.01%]	$\pm 0.00$ [0.07%]
alpha_EG_Reco	$\pm 0.00$ [0.01%]	$\pm 0.00$ [0.07%]
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%]	$\pm 0.60$ [25.8%]
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%]	$\pm 0.25$ [10.9%]
alpha_Interference-SingleTop	$\pm 0.00$ [0.00%]	$\pm 1.46$ [63.0%]
gamma_stat_tW1L_CRWm_cuts_bin_0	$\pm 0.00$ [0.00%]	$\pm 0.00$ [0.00%]
Lumi	$\pm 0.00$ [0.00%]	$\pm 0.04$ [1.7%]
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%]	$\pm 0.80$ [34.2%]
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%]	$\pm 0.22$ [9.6%]
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%]