

Uncertainty of channel	SR1LBin4_Top1L	SR1LBin4_SingleTop
Total background expectation	2.92	2.36
Total statistical ($\sqrt{N_{\text{exp}}}$)	± 1.71	± 1.54
Total background systematic	± 2.15 [73.79%]	± 3.70 [156.85%]
alpha_MatrixElement-Top1L	± 1.30 [44.6%]	± 0.00 [0.00%]
alpha_PartonShower-Top1L	± 1.21 [41.3%]	± 0.00 [0.00%]
alpha_ISR-Top1L	± 1.14 [39.0%]	± 0.00 [0.00%]
alpha_FSR-Top1L	± 0.34 [11.7%]	± 0.00 [0.00%]
gamma_stat_SR1LBin4_cuts_bin_0	± 0.23 [7.8%]	± 0.18 [7.8%]
alpha_JER_EffectiveNP_2	± 0.07 [2.3%]	± 0.10 [4.1%]
alpha_MUON_Eff_sys	± 0.06 [2.2%]	± 0.01 [0.40%]
alpha_JES_Group3	± 0.06 [2.2%]	± 0.06 [2.7%]
alpha_JER_EffectiveNP_1	± 0.06 [2.1%]	± 0.11 [4.5%]
alpha_btag_BT	± 0.04 [1.5%]	± 0.08 [3.5%]
alpha_JES_Group2	± 0.04 [1.3%]	± 0.09 [3.7%]
alpha_JER_DataVsMC	± 0.03 [1.2%]	± 0.04 [1.6%]
alpha_JET_Flavor_Response	± 0.03 [1.1%]	± 0.01 [0.49%]
alpha_JER_EffectiveNP_4	± 0.03 [1.1%]	± 0.10 [4.2%]
alpha_JER_EffectiveNP_5	± 0.03 [1.0%]	± 0.08 [3.4%]
alpha_JER_EffectiveNP_7restTerm	± 0.03 [0.97%]	± 0.13 [5.6%]
alpha_MET_SoftTrk_ResoPerp	± 0.03 [0.90%]	± 0.02 [0.88%]
alpha_JER_EffectiveNP_6	± 0.03 [0.86%]	± 0.11 [4.5%]
alpha_pileup	± 0.02 [0.84%]	± 0.00 [0.11%]
alpha_btag_LightT	± 0.01 [0.44%]	± 0.00 [0.18%]
alpha_JES_Group1	± 0.01 [0.37%]	± 0.09 [4.0%]
alpha_MUON_ID	± 0.01 [0.26%]	± 0.03 [1.3%]
alpha_MUON_MS	± 0.01 [0.24%]	± 0.01 [0.33%]
alpha_MET_SoftTrk_ResoPara	± 0.01 [0.18%]	± 0.01 [0.40%]
alpha_EG_SCALE_ALL	± 0.00 [0.17%]	± 0.00 [0.05%]
alpha_btag_CT	± 0.00 [0.15%]	± 0.00 [0.03%]
alpha_btag_ExtraFromCharm	± 0.00 [0.14%]	± 0.00 [0.20%]
alpha_MET_SoftTrk	± 0.00 [0.12%]	± 0.03 [1.4%]
alpha_JVT	± 0.00 [0.11%]	± 0.01 [0.29%]
alpha_JER_EffectiveNP_3	± 0.00 [0.10%]	± 0.10 [4.3%]
alpha_MUON_SCALE	± 0.00 [0.09%]	± 0.00 [0.00%]
alpha_EG_RESOLUTION_ALL	± 0.00 [0.08%]	± 0.02 [0.94%]
alpha_EG_Eff	± 0.00 [0.07%]	± 0.02 [0.91%]
alpha_btag_Extra	± 0.00 [0.05%]	± 0.09 [3.9%]
alpha_JET_EtaInt_posEta	± 0.00 [0.04%]	± 0.00 [0.00%]
alpha_MUON_Eff_Iso_sys	± 0.00 [0.02%]	± 0.00 [0.08%]
mu_tt_1L	± 0.00 [0.01%]	± 0.00 [0.00%]
alpha_EG_Reco	± 0.00 [0.01%]	± 0.00 [0.07%]
alpha_JET_EtaInt_negEta	± 0.00 [0.01%]	± 0.00 [0.00%]
alpha_MUON_Eff_stat	± 0.00 [0.01%]	± 0.00 [0.05%]
alpha_MUON_TTVA_stat	± 0.00 [0.00%]	± 0.00 [0.01%]
alpha_MUON_Eff_Iso_stat	± 0.00 [0.00%]	± 0.00 [0.01%]
alpha_JET_EtaInt_highE	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_EG_Trig	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_qsf-Wjets	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_JER_DataVsMC_AFII	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_MUON_Trig_sys	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_MUON_TTVA_sys	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_ISR-SingleTop	± 0.00 [0.00%]	± 1.09 [46.2%]
alpha_muR_muF_ttV	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_ckkw-Wjets	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_fJVT	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_EG_TrigEff	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_MatrixElement-SingleTop	± 0.00 [0.00%]	± 2.59 [109.8%]
alpha_Interference-SingleTop	± 0.00 [0.00%]	± 1.99 [84.4%]
gamma_stat_tW1L_CRWm_cuts_bin_0	± 0.00 [0.00%]	± 0.00 [0.00%]
Lumi	± 0.00 [0.00%]	± 0.04 [1.7%]
gamma_stat_SR1LBin3_cuts_bin_0	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_MUON_Eff_sys_lowpt	± 0.00 [0.00%]	± 0.00 [0.00%]
gamma_stat_SR1LBin0_cuts_bin_0	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_ckkw-Zjets	± 0.00 [0.00%]	± 0.00 [0.00%]
mu_W	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_PartonShower-SingleTop	± 0.00 [0.00%]	± 0.38 [16.2%]
alpha_qsf-Zjets	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_muR_muF-Wjets	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_FSR-SingleTop	± 0.00 [0.00%]	± 1.23 [52.3%]
alpha_EG_SCALE_AF2	± 0.00 [0.00%]	± 0.00 [0.00%]
gamma_stat_SR1LBin1_cuts_bin_0	± 0.00 [0.00%]	± 0.00 [0.00%]