

Uncertainty of channel	SR1LBin4_Top1L	SR1LBin4_SingleTop
Total background expectation	3.04	1.25
Total statistical ($\sqrt{N_{\text{exp}}}$)	± 1.74	± 1.12
Total background systematic	± 1.03 [33.97%]	± 2.01 [160.28%]
alpha_ISR-Top1L	± 0.94 [31.1%]	± 0.00 [0.00%]
alpha_PartonShower-Top1L	± 0.86 [28.3%]	± 0.00 [0.00%]
alpha_MatrixElement-Top1L	± 0.78 [25.8%]	± 0.00 [0.00%]
mu_tt_1L	± 0.56 [18.5%]	± 0.00 [0.00%]
gamma_stat_SR1LBin4_cuts_bin_0	± 0.24 [7.8%]	± 0.10 [7.8%]
alpha_FSR-Top1L	± 0.16 [5.3%]	± 0.00 [0.00%]
alpha_JER_EffectiveNP_2	± 0.07 [2.2%]	± 0.05 [3.9%]
alpha_MUON_Eff_sys	± 0.07 [2.2%]	± 0.00 [0.39%]
alpha_JES_Group3	± 0.06 [2.0%]	± 0.03 [2.6%]
alpha_JER_EffectiveNP_1	± 0.06 [1.9%]	± 0.05 [4.2%]
alpha_btag_BT	± 0.04 [1.4%]	± 0.04 [3.4%]
alpha_JES_Group2	± 0.04 [1.4%]	± 0.04 [3.5%]
alpha_JET_Flavor_Response	± 0.04 [1.2%]	± 0.00 [0.38%]
alpha_JER_Data_VsMC	± 0.03 [1.1%]	± 0.02 [1.5%]
alpha_JER_EffectiveNP_4	± 0.03 [1.0%]	± 0.05 [4.0%]
alpha_JER_EffectiveNP_5	± 0.03 [0.97%]	± 0.04 [3.3%]
alpha_JER_EffectiveNP_7restTerm	± 0.03 [0.94%]	± 0.07 [5.4%]
alpha_MET_SoftTrk_ResoPerp	± 0.03 [0.89%]	± 0.01 [0.87%]
alpha_pileup	± 0.03 [0.85%]	± 0.00 [0.13%]
alpha_JER_EffectiveNP_6	± 0.03 [0.84%]	± 0.06 [4.4%]
alpha_btag_LightT	± 0.01 [0.43%]	± 0.00 [0.18%]
alpha_JES_Group1	± 0.01 [0.30%]	± 0.04 [3.5%]
alpha_MUON_ID	± 0.01 [0.24%]	± 0.01 [1.2%]
alpha_MUON_MS	± 0.01 [0.22%]	± 0.00 [0.30%]
alpha_MET_SoftTrk_ResoPara	± 0.01 [0.17%]	± 0.00 [0.39%]
alpha_EG_SCALE_ALL	± 0.01 [0.17%]	± 0.00 [0.04%]
alpha_btag_CT	± 0.00 [0.15%]	± 0.00 [0.02%]
alpha_btag_ExtraFromCharm	± 0.00 [0.14%]	± 0.00 [0.20%]
alpha_JVT	± 0.00 [0.11%]	± 0.00 [0.29%]
alpha_MET_SoftTrk	± 0.00 [0.10%]	± 0.02 [1.2%]
alpha_JER_EffectiveNP_3	± 0.00 [0.09%]	± 0.05 [4.2%]
alpha_MUON_SCALE	± 0.00 [0.08%]	± 0.00 [0.00%]
alpha_EG_RESOLUTION_ALL	± 0.00 [0.07%]	± 0.01 [0.89%]
alpha_EG_Eff	± 0.00 [0.07%]	± 0.01 [0.91%]
alpha_btag_Extra	± 0.00 [0.05%]	± 0.05 [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%]
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_Data_VsMC_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%]	± 1.14 [91.1%]
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%]	± 0.35 [27.7%]
alpha_Interference-SingleTop	± 0.00 [0.00%]	± 1.17 [93.7%]
gamma_stat_tW1L_CRWm_cuts_bin_0	± 0.00 [0.00%]	± 0.00 [0.00%]
Lumi	± 0.00 [0.00%]	± 0.02 [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%]	± 0.37 [29.3%]
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%]	± 1.24 [98.7%]
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%]