

Uncertainty of channel	SR1LBin0	SR1LBin1	SR1LBin2	SR1LBin3	SR1LBin4
Total background expectation	425.84	257.69	88.72	35.12	15.18
Total statistical ($\sqrt{N_{\text{exp}}}$)	± 20.64	± 16.05	± 9.42	± 5.93	± 3.90
Total background systematic	± 28.81 [6.77%]	± 21.47 [8.33%]	± 10.67 [12.03%]	± 5.44 [15.50%]	± 2.86 [18.81%]
mu_tt_1L	± 17.08 [4.0%]	± 8.93 [3.5%]	± 2.21 [2.5%]	± 0.60 [1.7%]	± 0.19 [1.2%]
alpha_PartonShower-Top1L	± 15.92 [3.7%]	± 12.23 [4.7%]	± 5.21 [5.9%]	± 1.79 [5.1%]	± 0.72 [4.7%]
alpha_muR_muF-ttV	± 11.43 [2.7%]	± 8.35 [3.2%]	± 3.65 [4.1%]	± 1.53 [4.4%]	± 0.65 [4.3%]
alpha_FSR-Top1L	± 9.53 [2.2%]	± 4.18 [1.6%]	± 0.08 [0.09%]	± 0.20 [0.56%]	± 0.16 [1.0%]
alpha_Interference-SingleTop	± 9.37 [2.2%]	± 8.37 [3.2%]	± 4.86 [5.5%]	± 2.74 [7.8%]	± 1.25 [8.2%]
alpha_ISR-SingleTop	± 7.87 [1.8%]	± 5.97 [2.3%]	± 2.70 [3.0%]	± 1.59 [4.5%]	± 1.12 [7.4%]
alpha_PartonShower-SingleTop	± 6.85 [1.6%]	± 2.93 [1.1%]	± 2.64 [3.0%]	± 0.66 [1.9%]	± 0.38 [2.5%]
gamma_stat_SR1LBin0_Incl.cuts_bin_0	± 6.52 [1.5%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_JER_EffectiveNP_2	± 6.01 [1.4%]	± 0.87 [0.34%]	± 1.96 [2.2%]	± 0.94 [2.7%]	± 0.63 [4.2%]
alpha_JER_EffectiveNP_1	± 5.96 [1.4%]	± 0.68 [0.26%]	± 1.33 [1.5%]	± 0.39 [1.1%]	± 0.21 [1.4%]
alpha_JES_Group2	± 5.90 [1.4%]	± 2.36 [0.92%]	± 1.29 [1.5%]	± 0.04 [0.11%]	± 0.00 [0.02%]
alpha_ISR-Top1L	± 5.89 [1.4%]	± 4.94 [1.9%]	± 3.18 [3.6%]	± 1.54 [4.4%]	± 0.76 [5.0%]
alpha_JES_Group1	± 5.56 [1.3%]	± 2.52 [0.98%]	± 1.47 [1.7%]	± 0.48 [1.4%]	± 0.01 [0.04%]
mu_W	± 4.79 [1.1%]	± 3.33 [1.3%]	± 1.38 [1.6%]	± 0.63 [1.8%]	± 0.31 [2.0%]
alpha_muR_muF-Diboson	± 4.65 [1.1%]	± 3.30 [1.3%]	± 1.63 [1.8%]	± 0.84 [2.4%]	± 0.46 [3.1%]
alpha_JET_Flavor_Response	± 3.61 [0.85%]	± 1.14 [0.44%]	± 0.34 [0.38%]	± 0.12 [0.35%]	± 0.06 [0.42%]
alpha_muR_muF-Wjets	± 3.49 [0.82%]	± 2.77 [1.1%]	± 1.17 [1.3%]	± 0.44 [1.2%]	± 0.52 [3.4%]
alpha_btag_BT	± 3.31 [0.78%]	± 1.85 [0.72%]	± 0.63 [0.71%]	± 0.26 [0.74%]	± 0.08 [0.53%]
alpha_JER_EffectiveNP_7restTerm	± 2.97 [0.70%]	± 0.92 [0.36%]	± 0.12 [0.13%]	± 0.27 [0.76%]	± 0.06 [0.42%]
alpha_MatrixElement-SingleTop	± 2.85 [0.67%]	± 4.48 [1.7%]	± 1.93 [2.2%]	± 1.87 [5.3%]	± 0.35 [2.3%]
alpha_JER_DataVsMC	± 2.76 [0.65%]	± 1.25 [0.49%]	± 0.32 [0.36%]	± 0.74 [2.1%]	± 0.42 [2.8%]
alpha_JER_EffectiveNP_3	± 2.64 [0.62%]	± 0.29 [0.11%]	± 1.31 [1.5%]	± 1.04 [3.0%]	± 0.44 [2.9%]
Lumi	± 2.06 [0.48%]	± 1.41 [0.55%]	± 0.59 [0.67%]	± 0.27 [0.76%]	± 0.12 [0.78%]
alpha_JER_EffectiveNP_6	± 1.86 [0.44%]	± 1.83 [0.71%]	± 0.50 [0.56%]	± 0.26 [0.75%]	± 0.07 [0.45%]
alpha_MET_SoftTrk_ResoPerp	± 1.62 [0.38%]	± 1.66 [0.64%]	± 0.07 [0.08%]	± 0.29 [0.82%]	± 0.03 [0.21%]
alpha_JER_EffectiveNP_5	± 1.57 [0.37%]	± 0.91 [0.35%]	± 0.93 [1.1%]	± 0.29 [0.82%]	± 0.06 [0.42%]
alpha_EG_Eff	± 1.44 [0.34%]	± 0.86 [0.33%]	± 0.36 [0.41%]	± 0.16 [0.47%]	± 0.08 [0.55%]
alpha_MET_SoftTrk_ResoPara	± 1.43 [0.34%]	± 1.65 [0.64%]	± 0.02 [0.02%]	± 0.26 [0.73%]	± 0.02 [0.11%]
alpha_EG_SCALE_ALL	± 1.28 [0.30%]	± 0.54 [0.21%]	± 0.12 [0.13%]	± 0.06 [0.18%]	± 0.01 [0.06%]
alpha_MUON_ID	± 1.08 [0.25%]	± 0.32 [0.12%]	± 0.14 [0.15%]	± 0.08 [0.24%]	± 0.05 [0.35%]
alpha_JER_EffectiveNP_4	± 1.03 [0.24%]	± 1.84 [0.71%]	± 0.71 [0.80%]	± 0.13 [0.36%]	± 0.06 [0.41%]
alpha_pileup	± 0.98 [0.23%]	± 0.08 [0.03%]	± 0.57 [0.64%]	± 0.54 [1.5%]	± 0.30 [2.0%]
alpha_FSR-SingleTop	± 0.95 [0.22%]	± 0.66 [0.26%]	± 0.93 [1.0%]	± 0.94 [2.7%]	± 1.07 [7.1%]
alpha_JVT	± 0.77 [0.18%]	± 0.41 [0.16%]	± 0.16 [0.18%]	± 0.06 [0.16%]	± 0.02 [0.13%]
alpha_JES_Group3	± 0.72 [0.17%]	± 0.08 [0.03%]	± 0.05 [0.05%]	± 0.33 [0.94%]	± 0.13 [0.85%]
alpha_ckkw-Wjets	± 0.71 [0.17%]	± 0.62 [0.24%]	± 0.28 [0.31%]	± 0.23 [0.64%]	± 0.12 [0.79%]
alpha_btag_LightT	± 0.70 [0.16%]	± 0.79 [0.31%]	± 0.24 [0.27%]	± 0.13 [0.38%]	± 0.03 [0.19%]
alpha_MUON_MS	± 0.64 [0.15%]	± 0.56 [0.22%]	± 0.04 [0.04%]	± 0.05 [0.16%]	± 0.02 [0.13%]
alpha_MUON_Eff_sys	± 0.62 [0.15%]	± 0.47 [0.18%]	± 0.26 [0.29%]	± 0.16 [0.45%]	± 0.08 [0.56%]
alpha_MET_SoftTrk	± 0.50 [0.12%]	± 0.05 [0.02%]	± 0.01 [0.02%]	± 0.01 [0.04%]	± 0.05 [0.36%]
alpha_MUON_SCALE	± 0.42 [0.10%]	± 0.38 [0.15%]	± 0.09 [0.10%]	± 0.01 [0.03%]	± 0.00 [0.02%]
alpha_qsf-Wjets	± 0.37 [0.09%]	± 0.12 [0.05%]	± 0.04 [0.05%]	± 0.08 [0.24%]	± 0.04 [0.29%]
alpha_btag_Extra	± 0.34 [0.08%]	± 0.14 [0.05%]	± 0.05 [0.05%]	± 0.08 [0.24%]	± 0.10 [0.66%]
alpha_muR_muF-Zjets	± 0.31 [0.07%]	± 0.10 [0.04%]	± 0.02 [0.02%]	± 0.01 [0.02%]	± 0.01 [0.05%]
alpha_btag_ExtraFromCharm	± 0.28 [0.07%]	± 0.08 [0.03%]	± 0.02 [0.02%]	± 0.00 [0.00%]	± 0.00 [0.01%]
alpha_MatrixElement-Top1L	± 0.27 [0.06%]	± 2.37 [0.92%]	± 1.42 [1.6%]	± 0.96 [2.7%]	± 0.82 [5.4%]
alpha_EG_RESOLUTION_ALL	± 0.21 [0.05%]	± 0.16 [0.06%]	± 0.05 [0.06%]	± 0.04 [0.11%]	± 0.02 [0.14%]
alpha_JET_EtaInt_negEta	± 0.15 [0.04%]	± 0.02 [0.01%]	± 0.00 [0.00%]	± 0.01 [0.02%]	± 0.01 [0.06%]
alpha_btag_CT	± 0.14 [0.03%]	± 0.08 [0.03%]	± 0.01 [0.01%]	± 0.02 [0.04%]	± 0.02 [0.15%]
alpha_EG_Reco	± 0.11 [0.03%]	± 0.07 [0.03%]	± 0.02 [0.03%]	± 0.01 [0.03%]	± 0.01 [0.04%]
alpha_MUON_Eff_Iso_sys	± 0.07 [0.02%]	± 0.05 [0.02%]	± 0.02 [0.02%]	± 0.01 [0.02%]	± 0.00 [0.01%]
alpha_MUON_Eff_stat	± 0.05 [0.01%]	± 0.03 [0.01%]	± 0.01 [0.02%]	± 0.01 [0.02%]	± 0.00 [0.02%]
alpha_ckkw-Zjets	± 0.05 [0.01%]	± 0.02 [0.01%]	± 0.01 [0.02%]	± 0.00 [0.01%]	± 0.00 [0.01%]
alpha_qsf-Zjets	± 0.03 [0.01%]	± 0.01 [0.00%]	± 0.01 [0.01%]	± 0.00 [0.01%]	± 0.00 [0.01%]
alpha_JET_RelNonClos_AFII	± 0.01 [0.00%]	± 0.02 [0.01%]	± 0.01 [0.01%]	± 0.00 [0.00%]	± 0.00 [0.01%]
alpha_MUON_TTVA_stat	± 0.01 [0.00%]	± 0.01 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.01%]	± 0.00 [0.00%]
alpha_JET_EtaInt_posEta	± 0.01 [0.00%]	± 0.01 [0.00%]	± 0.02 [0.02%]	± 0.00 [0.00%]	± 0.00 [0.03%]
alpha_MUON_Eff_Iso_stat	± 0.01 [0.00%]	± 0.01 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_JER_DataVsMC_AFII	± 0.01 [0.00%]	± 0.01 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_JET_EtaInt_highE	± 0.00 [0.00%]	± 0.03 [0.01%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_MUON_TTVA_sys	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_EG_SCALE_AF2	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
gamma_stat_SR1LBin4_Incl.cuts_bin_0	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 1.19 [7.8%]
gamma_stat_tW1L_VRtt_VR2.cuts_bin_0	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_EG_TrigEff	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_MUON_Eff_stat_lowpt	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
gamma_stat_SR1LBin1_Incl.cuts_bin_0	± 0.00 [0.00%]	± 5.02 [1.9%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_MUON_Trig_sys	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]