

Uncertainty of channel	SR1LBin0	SR1LBin1	SR1LBin2	SR1LBin3	SR1LBin4
Total background expectation	175.92	180.33	57.77	21.41	14.79
Total statistical ($\sqrt{N_{\text{exp}}}$)	± 13.26	± 13.43	± 7.60	± 4.63	± 3.85
Total background systematic	± 9.48 [5.39%]	± 9.09 [5.04%]	± 4.15 [7.18%]	± 2.10 [9.80%]	± 2.02 [13.69%]
mu_tt_1L	± 20.52 [11.7%]	± 17.65 [9.8%]	± 4.33 [7.5%]	± 1.11 [5.2%]	± 0.62 [4.2%]
alpha_ISR-Top1L	± 18.71 [10.6%]	± 16.37 [9.1%]	± 4.70 [8.1%]	± 1.45 [6.8%]	± 1.02 [6.9%]
alpha_PartonShower-Top1L	± 13.12 [7.5%]	± 14.39 [8.0%]	± 4.95 [8.6%]	± 1.44 [6.7%]	± 0.90 [6.1%]
alpha_Interference-SingleTop	± 8.81 [5.0%]	± 5.98 [3.3%]	± 3.47 [6.0%]	± 1.44 [6.7%]	± 0.68 [4.6%]
alpha_MatrixElement-Top1L	± 7.23 [4.1%]	± 8.78 [4.9%]	± 2.28 [3.9%]	± 0.59 [2.8%]	± 1.01 [6.8%]
alpha_JER_EffectiveNP_1	± 6.55 [3.7%]	± 2.02 [1.1%]	± 0.88 [1.5%]	± 0.14 [0.65%]	± 0.30 [2.1%]
alpha_JER_EffectiveNP_2	± 5.19 [2.9%]	± 1.09 [0.61%]	± 0.94 [1.6%]	± 0.28 [1.3%]	± 0.69 [4.7%]
mu_W	± 5.13 [2.9%]	± 6.60 [3.7%]	± 2.60 [4.5%]	± 1.10 [5.1%]	± 1.00 [6.8%]
alpha_muR_muF-Wjets	± 4.74 [2.7%]	± 6.89 [3.8%]	± 2.84 [4.9%]	± 0.61 [2.8%]	± 1.33 [9.0%]
alpha_JES_Group2	± 4.40 [2.5%]	± 1.02 [0.57%]	± 1.09 [1.9%]	± 0.02 [0.12%]	± 0.04 [0.26%]
gamma_stat_SR1LBin0_cuts_bin_0	± 4.20 [2.4%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_JER_EffectiveNP_7restTerm	± 4.06 [2.3%]	± 1.10 [0.61%]	± 0.12 [0.21%]	± 0.24 [1.1%]	± 0.17 [1.2%]
alpha_JER_DataVsMC	± 3.98 [2.3%]	± 0.80 [0.44%]	± 1.11 [1.9%]	± 0.31 [1.4%]	± 0.44 [3.0%]
alpha_PartonShower-SingleTop	± 3.91 [2.2%]	± 0.42 [0.23%]	± 1.91 [3.3%]	± 0.77 [3.6%]	± 0.19 [1.3%]
alpha_JES_Group1	± 3.46 [2.0%]	± 0.81 [0.45%]	± 0.81 [1.4%]	± 0.37 [1.7%]	± 0.03 [0.18%]
alpha_JER_EffectiveNP_3	± 3.01 [1.7%]	± 1.59 [0.88%]	± 0.20 [0.35%]	± 0.64 [3.0%]	± 0.51 [3.4%]
alpha_JER_EffectiveNP_4	± 2.99 [1.7%]	± 2.58 [1.4%]	± 0.63 [1.1%]	± 0.07 [0.33%]	± 0.15 [1.00%]
alpha_JET_Flavor_Response	± 2.84 [1.6%]	± 0.82 [0.45%]	± 0.05 [0.09%]	± 0.14 [0.65%]	± 0.07 [0.44%]
alpha_JER_EffectiveNP_5	± 2.63 [1.5%]	± 1.90 [1.1%]	± 0.64 [1.1%]	± 0.27 [1.3%]	± 0.14 [0.94%]
alpha_FSR-SingleTop	± 2.52 [1.4%]	± 0.76 [0.42%]	± 0.01 [0.02%]	± 0.04 [0.20%]	± 0.67 [4.5%]
alpha_muR_muF-ttV	± 2.33 [1.3%]	± 4.69 [2.6%]	± 2.18 [3.8%]	± 1.23 [5.7%]	± 0.60 [4.1%]
alpha_ISR-SingleTop	± 2.10 [1.2%]	± 3.36 [1.9%]	± 1.21 [2.1%]	± 0.64 [3.0%]	± 0.50 [3.3%]
alpha_btag_BT	± 1.50 [0.85%]	± 1.29 [0.71%]	± 0.37 [0.65%]	± 0.18 [0.84%]	± 0.04 [0.25%]
alpha_MatrixElement-SingleTop	± 1.39 [0.79%]	± 2.19 [1.2%]	± 0.11 [0.19%]	± 0.22 [1.0%]	± 1.22 [8.3%]
alpha_muR_muF-Diboson	± 1.32 [0.75%]	± 1.67 [0.93%]	± 0.79 [1.4%]	± 0.37 [1.7%]	± 0.45 [3.0%]
alpha_MUON_MS	± 1.14 [0.65%]	± 0.49 [0.27%]	± 0.08 [0.14%]	± 0.03 [0.12%]	± 0.01 [0.09%]
alpha_pileup	± 0.94 [0.53%]	± 0.50 [0.28%]	± 0.05 [0.09%]	± 0.27 [1.2%]	± 0.31 [2.1%]
alpha_JES_Group3	± 0.94 [0.53%]	± 0.01 [0.01%]	± 0.37 [0.64%]	± 0.21 [0.96%]	± 0.11 [0.71%]
alpha_qsf-Wjets	± 0.86 [0.49%]	± 0.95 [0.53%]	± 0.34 [0.59%]	± 0.08 [0.38%]	± 0.07 [0.48%]
alpha_ckkw-Wjets	± 0.85 [0.48%]	± 0.86 [0.48%]	± 0.42 [0.73%]	± 0.09 [0.43%]	± 0.07 [0.44%]
alpha_EG_SCALE_ALL	± 0.74 [0.42%]	± 0.44 [0.24%]	± 0.05 [0.09%]	± 0.05 [0.26%]	± 0.01 [0.09%]
alpha_MUON_ID	± 0.67 [0.38%]	± 0.19 [0.11%]	± 0.05 [0.09%]	± 0.03 [0.16%]	± 0.03 [0.21%]
Lumi	± 0.65 [0.37%]	± 0.84 [0.47%]	± 0.34 [0.59%]	± 0.16 [0.73%]	± 0.10 [0.66%]
alpha_EG_Eff	± 0.60 [0.34%]	± 0.50 [0.28%]	± 0.21 [0.36%]	± 0.09 [0.40%]	± 0.07 [0.48%]
alpha_FSR-Top1L	± 0.53 [0.30%]	± 0.19 [0.11%]	± 0.69 [1.2%]	± 0.70 [3.3%]	± 0.16 [1.1%]
alpha_MET_SoftTrk	± 0.45 [0.25%]	± 0.01 [0.01%]	± 0.01 [0.02%]	± 0.02 [0.10%]	± 0.03 [0.20%]
alpha_JVT	± 0.38 [0.22%]	± 0.27 [0.15%]	± 0.11 [0.20%]	± 0.04 [0.18%]	± 0.02 [0.11%]
alpha_EG_RESOLUTION_ALL	± 0.38 [0.22%]	± 0.19 [0.10%]	± 0.01 [0.02%]	± 0.03 [0.12%]	± 0.01 [0.04%]
alpha_MET_SoftTrk_ResoPara	± 0.26 [0.15%]	± 1.64 [0.91%]	± 0.22 [0.37%]	± 0.27 [1.2%]	± 0.03 [0.18%]
alpha_muR_muF-Zjets	± 0.25 [0.14%]	± 0.12 [0.06%]	± 0.02 [0.03%]	± 0.01 [0.04%]	± 0.01 [0.05%]
alpha_btag_ExtraFromCharm	± 0.22 [0.12%]	± 0.11 [0.06%]	± 0.02 [0.03%]	± 0.00 [0.00%]	± 0.00 [0.01%]
alpha_btag_Extra	± 0.19 [0.11%]	± 0.17 [0.10%]	± 0.03 [0.05%]	± 0.00 [0.02%]	± 0.16 [1.1%]
alpha_JET_EtaInt_negEta	± 0.18 [0.10%]	± 0.02 [0.01%]	± 0.01 [0.01%]	± 0.00 [0.01%]	± 0.01 [0.07%]
alpha_MUON_Eff_sys	± 0.15 [0.09%]	± 0.21 [0.12%]	± 0.10 [0.17%]	± 0.07 [0.31%]	± 0.10 [0.67%]
alpha_MET_SoftTrk_ResoPerp	± 0.13 [0.07%]	± 1.56 [0.87%]	± 0.22 [0.38%]	± 0.33 [1.5%]	± 0.01 [0.09%]
alpha_btag_LightT	± 0.09 [0.05%]	± 0.56 [0.31%]	± 0.10 [0.18%]	± 0.11 [0.52%]	± 0.03 [0.21%]
alpha_btag_CT	± 0.07 [0.04%]	± 0.09 [0.05%]	± 0.03 [0.06%]	± 0.01 [0.07%]	± 0.02 [0.14%]
alpha_EG_Reco	± 0.05 [0.03%]	± 0.04 [0.02%]	± 0.01 [0.02%]	± 0.01 [0.03%]	± 0.01 [0.04%]
alpha_JET_EtaInt_highE	± 0.03 [0.02%]	± 0.03 [0.02%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_JER_EffectiveNP_6	± 0.03 [0.02%]	± 2.36 [1.3%]	± 0.26 [0.44%]	± 0.21 [0.98%]	± 0.16 [1.1%]
alpha_ckkw-Zjets	± 0.03 [0.02%]	± 0.01 [0.00%]	± 0.01 [0.02%]	± 0.00 [0.00%]	± 0.00 [0.01%]
alpha_MUON_SCALE	± 0.02 [0.01%]	± 0.30 [0.17%]	± 0.09 [0.15%]	± 0.01 [0.03%]	± 0.00 [0.03%]
alpha_MUON_Eff_Iso_sys	± 0.02 [0.01%]	± 0.03 [0.02%]	± 0.01 [0.02%]	± 0.01 [0.03%]	± 0.00 [0.00%]
alpha_qsf-Zjets	± 0.02 [0.01%]	± 0.00 [0.00%]	± 0.01 [0.02%]	± 0.00 [0.01%]	± 0.00 [0.01%]
alpha_MUON_Eff_stat	± 0.01 [0.01%]	± 0.02 [0.01%]	± 0.01 [0.01%]	± 0.01 [0.03%]	± 0.00 [0.01%]
alpha_JET_RelNonClos_AFII	± 0.01 [0.01%]	± 0.02 [0.01%]	± 0.01 [0.01%]	± 0.00 [0.00%]	± 0.00 [0.01%]
alpha_MUON_TTVA_stat	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.01%]	± 0.00 [0.00%]
alpha_MUON_Eff_Iso_stat	± 0.00 [0.00%]	± 0.01 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_JER_DataVsMC_AFII	± 0.00 [0.00%]	± 0.01 [0.01%]	± 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%]
alpha_JET_EtaInt_posEta	± 0.00 [0.00%]	± 0.03 [0.02%]	± 0.02 [0.04%]	± 0.00 [0.01%]	± 0.00 [0.03%]
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_Trig	± 0.00 [0.00%]	± 0.00 [0.00%]	± 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%]
alpha_fJVT	± 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%]
gamma_stat_tW1L_CRWm_cuts_bin_0	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
gamma_stat_SR1LBin3_cuts_bin_0	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 1.14 [5.3%]	± 0.00 [0.00%]