

Uncertainty of channel	SR1LBin0	SR1LBin1	SR1LBin2	SR1LBin3	SR1LBin4
Total background expectation	177.51	181.16	58.09	21.40	14.77
Total statistical ($\sqrt{N_{\text{exp}}}$)	± 13.32	± 13.46	± 7.62	± 4.63	± 3.84
Total background systematic	± 9.63 [5.43%]	± 9.26 [5.11%]	± 4.11 [7.07%]	± 2.06 [9.64%]	± 2.01 [13.60%]
mu_tt_1L	± 19.59 [11.0%]	± 17.05 [9.4%]	± 4.18 [7.2%]	± 1.08 [5.0%]	± 0.62 [4.2%]
alpha_ISR-Top1L	± 17.28 [9.7%]	± 15.25 [8.4%]	± 4.34 [7.5%]	± 1.33 [6.2%]	± 0.93 [6.3%]
alpha_PartonShower-Top1L	± 13.06 [7.4%]	± 14.46 [8.0%]	± 4.96 [8.5%]	± 1.44 [6.7%]	± 0.90 [6.1%]
alpha_MatrixElement-Top1L	± 6.74 [3.8%]	± 8.27 [4.6%]	± 2.14 [3.7%]	± 0.56 [2.6%]	± 0.95 [6.4%]
alpha_JER_EffectiveNP_1	± 6.48 [3.6%]	± 2.03 [1.1%]	± 0.93 [1.6%]	± 0.15 [0.68%]	± 0.30 [2.0%]
alpha_JER_EffectiveNP_2	± 5.13 [2.9%]	± 1.15 [0.63%]	± 1.00 [1.7%]	± 0.29 [1.4%]	± 0.69 [4.7%]
mu_W	± 4.79 [2.7%]	± 6.22 [3.4%]	± 2.44 [4.2%]	± 1.04 [4.8%]	± 0.93 [6.3%]
alpha_muR_muF-Wjets	± 4.68 [2.6%]	± 6.91 [3.8%]	± 2.86 [4.9%]	± 0.63 [2.9%]	± 1.34 [9.1%]
alpha_JES_Group2	± 4.28 [2.4%]	± 1.06 [0.58%]	± 1.08 [1.9%]	± 0.02 [0.11%]	± 0.04 [0.29%]
gamma_stat_SR1LBin0.cuts_bin_0	± 4.24 [2.4%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_JER_DataVsMC	± 4.05 [2.3%]	± 0.88 [0.49%]	± 1.09 [1.9%]	± 0.31 [1.4%]	± 0.44 [3.0%]
alpha_JER_EffectiveNP_7restTerm	± 3.97 [2.2%]	± 1.10 [0.60%]	± 0.12 [0.21%]	± 0.24 [1.1%]	± 0.17 [1.2%]
alpha_PartonShower-SingleTop	± 3.89 [2.2%]	± 0.42 [0.23%]	± 1.88 [3.2%]	± 0.76 [3.5%]	± 0.20 [1.3%]
alpha_JES_Group1	± 3.53 [2.0%]	± 0.84 [0.46%]	± 0.81 [1.4%]	± 0.36 [1.7%]	± 0.03 [0.19%]
alpha_JER_EffectiveNP_3	± 3.02 [1.7%]	± 1.63 [0.90%]	± 0.23 [0.40%]	± 0.65 [3.0%]	± 0.50 [3.4%]
alpha_JET_Flavor_Response	± 2.96 [1.7%]	± 0.84 [0.46%]	± 0.06 [0.10%]	± 0.14 [0.65%]	± 0.07 [0.45%]
alpha_JER_EffectiveNP_4	± 2.90 [1.6%]	± 2.60 [1.4%]	± 0.63 [1.1%]	± 0.07 [0.34%]	± 0.15 [0.99%]
alpha_FSR-SingleTop	± 2.54 [1.4%]	± 0.76 [0.42%]	± 0.01 [0.01%]	± 0.05 [0.24%]	± 0.68 [4.6%]
alpha_JER_EffectiveNP_5	± 2.50 [1.4%]	± 1.91 [1.1%]	± 0.67 [1.1%]	± 0.27 [1.2%]	± 0.14 [0.93%]
alpha_muR_muF-ttV	± 2.44 [1.4%]	± 4.77 [2.6%]	± 2.20 [3.8%]	± 1.22 [5.7%]	± 0.61 [4.1%]
alpha_ISR-SingleTop	± 2.05 [1.2%]	± 3.30 [1.8%]	± 1.18 [2.0%]	± 0.63 [2.9%]	± 0.48 [3.3%]
alpha_btag_BT	± 1.51 [0.85%]	± 1.29 [0.71%]	± 0.38 [0.66%]	± 0.18 [0.84%]	± 0.04 [0.26%]
alpha_MatrixElement-SingleTop	± 1.39 [0.78%]	± 2.19 [1.2%]	± 0.11 [0.18%]	± 0.21 [1.0%]	± 1.23 [8.4%]
alpha_muR_muF-Diboson	± 1.31 [0.74%]	± 1.67 [0.92%]	± 0.79 [1.4%]	± 0.38 [1.8%]	± 0.44 [3.0%]
alpha_MUON_MS	± 1.17 [0.66%]	± 0.49 [0.27%]	± 0.09 [0.15%]	± 0.03 [0.12%]	± 0.01 [0.09%]
alpha_pileup	± 0.97 [0.55%]	± 0.51 [0.28%]	± 0.05 [0.09%]	± 0.27 [1.2%]	± 0.31 [2.1%]
alpha_ckkw-Wjets	± 0.93 [0.52%]	± 0.96 [0.53%]	± 0.47 [0.80%]	± 0.11 [0.49%]	± 0.08 [0.52%]
alpha_qsf-Wjets	± 0.88 [0.50%]	± 0.97 [0.54%]	± 0.35 [0.60%]	± 0.08 [0.37%]	± 0.07 [0.45%]
alpha_JES_Group3	± 0.83 [0.47%]	± 0.01 [0.00%]	± 0.35 [0.60%]	± 0.21 [0.96%]	± 0.11 [0.72%]
alpha_Interference-SingleTop	± 0.73 [0.41%]	± 1.87 [1.0%]	± 1.41 [2.4%]	± 0.96 [4.5%]	± 0.43 [2.9%]
alpha_EG_SCALE.ALL	± 0.72 [0.41%]	± 0.43 [0.24%]	± 0.05 [0.09%]	± 0.05 [0.26%]	± 0.01 [0.09%]
Lumi	± 0.71 [0.40%]	± 0.86 [0.47%]	± 0.35 [0.60%]	± 0.16 [0.73%]	± 0.10 [0.65%]
alpha_MUON_ID	± 0.71 [0.40%]	± 0.19 [0.10%]	± 0.05 [0.08%]	± 0.03 [0.16%]	± 0.03 [0.22%]
alpha_EG_Eff	± 0.62 [0.35%]	± 0.51 [0.28%]	± 0.21 [0.36%]	± 0.09 [0.40%]	± 0.07 [0.47%]
alpha_FSR-Top1L	± 0.48 [0.27%]	± 0.16 [0.09%]	± 0.64 [1.1%]	± 0.68 [3.2%]	± 0.17 [1.2%]
alpha_MET_SoftTrk	± 0.43 [0.24%]	± 0.00 [0.00%]	± 0.02 [0.04%]	± 0.02 [0.10%]	± 0.03 [0.20%]
alpha_JVT	± 0.39 [0.22%]	± 0.27 [0.15%]	± 0.12 [0.20%]	± 0.04 [0.18%]	± 0.02 [0.11%]
alpha_EG_RESOLUTION.ALL	± 0.37 [0.21%]	± 0.20 [0.11%]	± 0.01 [0.02%]	± 0.03 [0.12%]	± 0.01 [0.04%]
alpha_muR_muF-Zjets	± 0.25 [0.14%]	± 0.11 [0.06%]	± 0.02 [0.03%]	± 0.01 [0.04%]	± 0.01 [0.05%]
alpha_MET_SoftTrk_ResoPara	± 0.22 [0.12%]	± 1.69 [0.93%]	± 0.23 [0.40%]	± 0.27 [1.3%]	± 0.03 [0.18%]
alpha_btag_Extra	± 0.22 [0.12%]	± 0.18 [0.10%]	± 0.03 [0.05%]	± 0.00 [0.02%]	± 0.16 [1.1%]
alpha_btag_ExtraFromCharm	± 0.22 [0.12%]	± 0.11 [0.06%]	± 0.02 [0.03%]	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_JET_EtaInt_negEta	± 0.18 [0.10%]	± 0.02 [0.01%]	± 0.01 [0.01%]	± 0.00 [0.01%]	± 0.01 [0.06%]
alpha_MUON_Eff_sys	± 0.17 [0.09%]	± 0.22 [0.12%]	± 0.10 [0.17%]	± 0.07 [0.32%]	± 0.10 [0.68%]
alpha_btag_LightT	± 0.10 [0.06%]	± 0.56 [0.31%]	± 0.10 [0.18%]	± 0.11 [0.51%]	± 0.03 [0.19%]
alpha_btag_CT	± 0.07 [0.04%]	± 0.09 [0.05%]	± 0.03 [0.06%]	± 0.01 [0.06%]	± 0.02 [0.14%]
alpha_JER_EffectiveNP_6	± 0.05 [0.03%]	± 2.39 [1.3%]	± 0.26 [0.44%]	± 0.21 [0.99%]	± 0.16 [1.1%]
alpha_EG_Reco	± 0.05 [0.03%]	± 0.05 [0.03%]	± 0.01 [0.02%]	± 0.01 [0.03%]	± 0.01 [0.04%]
alpha_MUON_SCALE	± 0.04 [0.02%]	± 0.30 [0.16%]	± 0.10 [0.17%]	± 0.01 [0.03%]	± 0.00 [0.03%]
alpha_MET_SoftTrk_ResoPerp	± 0.04 [0.02%]	± 1.62 [0.90%]	± 0.22 [0.38%]	± 0.33 [1.5%]	± 0.01 [0.08%]
alpha_JET_EtaInt_highE	± 0.03 [0.02%]	± 0.03 [0.01%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_ckkw-Zjets	± 0.03 [0.01%]	± 0.01 [0.00%]	± 0.01 [0.02%]	± 0.00 [0.00%]	± 0.00 [0.01%]
alpha_MUON_Eff_Iso_sys	± 0.03 [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%]	± 0.01 [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_MUON_TTVA_sys	± 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_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%]