

Uncertainty of channel	SR1LBin0	SR1LBin1	SR1LBin2	SR1LBin3	SR1LBin4
Total background expectation	175.82	179.99	58.32	21.73	15.44
Total statistical ($\sqrt{N_{\text{exp}}}$)	± 13.26	± 13.42	± 7.64	± 4.66	± 3.93
Total background systematic	± 9.33 [5.31%]	± 9.11 [5.06%]	± 4.19 [7.19%]	± 2.21 [10.18%]	± 2.25 [14.57%]
mu_tt_1L	± 19.55 [11.1%]	± 16.81 [9.3%]	± 4.14 [7.1%]	± 1.06 [4.9%]	± 0.56 [3.6%]
alpha_ISR-Top1L	± 17.58 [10.0%]	± 15.43 [8.6%]	± 4.41 [7.6%]	± 1.36 [6.2%]	± 0.94 [6.1%]
alpha_PartonShower-Top1L	± 12.59 [7.2%]	± 13.85 [7.7%]	± 4.75 [8.2%]	± 1.38 [6.3%]	± 0.86 [5.6%]
alpha_JER_EffectiveNP_1	± 6.43 [3.7%]	± 2.00 [1.1%]	± 1.02 [1.8%]	± 0.18 [0.81%]	± 0.24 [1.6%]
alpha_MatrixElement-Top1L	± 5.62 [3.2%]	± 6.85 [3.8%]	± 1.78 [3.0%]	± 0.46 [2.1%]	± 0.78 [5.1%]
alpha_muR_muF-Wjets	± 5.21 [3.0%]	± 7.65 [4.3%]	± 3.16 [5.4%]	± 0.70 [3.2%]	± 1.49 [9.7%]
alpha_JER_EffectiveNP_2	± 5.09 [2.9%]	± 1.14 [0.63%]	± 1.09 [1.9%]	± 0.31 [1.4%]	± 0.62 [4.0%]
mu_W	± 4.75 [2.7%]	± 6.13 [3.4%]	± 2.40 [4.1%]	± 1.03 [4.7%]	± 0.92 [6.0%]
alpha_JES_Group2	± 4.45 [2.5%]	± 1.24 [0.69%]	± 1.10 [1.9%]	± 0.05 [0.23%]	± 0.01 [0.08%]
gamma_stat_SR1LBin0.cuts_bin_0	± 4.19 [2.4%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_JER_DataVsMC	± 4.03 [2.3%]	± 0.97 [0.54%]	± 0.99 [1.7%]	± 0.31 [1.4%]	± 0.40 [2.6%]
alpha_JER_EffectiveNP_7restTerm	± 3.97 [2.3%]	± 1.06 [0.59%]	± 0.06 [0.10%]	± 0.28 [1.3%]	± 0.10 [0.66%]
alpha_PartonShower-SingleTop	± 3.88 [2.2%]	± 0.41 [0.23%]	± 1.89 [3.2%]	± 0.76 [3.5%]	± 0.37 [2.4%]
alpha_JES_Group1	± 3.55 [2.0%]	± 1.02 [0.57%]	± 0.86 [1.5%]	± 0.42 [1.9%]	± 0.02 [0.13%]
alpha_JER_EffectiveNP_3	± 3.01 [1.7%]	± 1.61 [0.89%]	± 0.30 [0.52%]	± 0.67 [3.1%]	± 0.44 [2.8%]
alpha_JET_Flavor_Response	± 2.98 [1.7%]	± 0.95 [0.53%]	± 0.05 [0.08%]	± 0.16 [0.72%]	± 0.05 [0.35%]
alpha_JER_EffectiveNP_4	± 2.88 [1.6%]	± 2.51 [1.4%]	± 0.66 [1.1%]	± 0.11 [0.49%]	± 0.09 [0.61%]
alpha_JER_EffectiveNP_5	± 2.52 [1.4%]	± 1.84 [1.0%]	± 0.73 [1.3%]	± 0.29 [1.3%]	± 0.09 [0.61%]
alpha_muR_muF-ttV	± 2.49 [1.4%]	± 4.83 [2.7%]	± 2.23 [3.8%]	± 1.22 [5.6%]	± 0.62 [4.0%]
alpha_ISR-SingleTop	± 2.03 [1.2%]	± 3.23 [1.8%]	± 1.14 [2.0%]	± 0.60 [2.8%]	± 1.14 [7.4%]
alpha_FSR-SingleTop	± 1.79 [1.0%]	± 0.66 [0.37%]	± 0.10 [0.17%]	± 0.10 [0.46%]	± 1.24 [8.0%]
alpha_MatrixElement-SingleTop	± 1.59 [0.90%]	± 2.50 [1.4%]	± 0.12 [0.21%]	± 0.25 [1.1%]	± 0.35 [2.3%]
alpha_btag_BT	± 1.50 [0.86%]	± 1.31 [0.73%]	± 0.41 [0.70%]	± 0.19 [0.86%]	± 0.08 [0.50%]
alpha_muR_muF-Diboson	± 1.32 [0.75%]	± 1.68 [0.93%]	± 0.79 [1.4%]	± 0.38 [1.7%]	± 0.45 [2.9%]
alpha_MUON_MS	± 1.12 [0.64%]	± 0.48 [0.27%]	± 0.09 [0.16%]	± 0.02 [0.11%]	± 0.02 [0.11%]
alpha_Interference-SingleTop	± 1.03 [0.59%]	± 2.64 [1.5%]	± 2.01 [3.4%]	± 1.36 [6.3%]	± 1.17 [7.6%]
alpha_qsf-Wjets	± 1.03 [0.58%]	± 1.12 [0.62%]	± 0.40 [0.68%]	± 0.09 [0.41%]	± 0.08 [0.49%]
alpha_ckw-Wjets	± 1.02 [0.58%]	± 1.05 [0.58%]	± 0.51 [0.87%]	± 0.12 [0.53%]	± 0.08 [0.54%]
alpha_pileup	± 0.98 [0.55%]	± 0.46 [0.26%]	± 0.08 [0.13%]	± 0.26 [1.2%]	± 0.29 [1.9%]
alpha_JES_Group3	± 0.86 [0.49%]	± 0.06 [0.04%]	± 0.32 [0.55%]	± 0.21 [0.95%]	± 0.13 [0.86%]
alpha_EG_SCALE.ALL	± 0.71 [0.40%]	± 0.41 [0.23%]	± 0.05 [0.09%]	± 0.05 [0.25%]	± 0.01 [0.07%]
Lumi	± 0.70 [0.40%]	± 0.88 [0.49%]	± 0.36 [0.63%]	± 0.17 [0.77%]	± 0.12 [0.76%]
alpha_MUON_ID	± 0.68 [0.38%]	± 0.17 [0.10%]	± 0.03 [0.05%]	± 0.04 [0.17%]	± 0.04 [0.29%]
alpha_EG_Eff	± 0.61 [0.35%]	± 0.52 [0.29%]	± 0.22 [0.37%]	± 0.09 [0.41%]	± 0.08 [0.51%]
alpha_FSR-Top1L	± 0.55 [0.31%]	± 0.20 [0.11%]	± 0.71 [1.2%]	± 0.72 [3.3%]	± 0.16 [1.0%]
alpha_MET_SoftTrk	± 0.41 [0.23%]	± 0.02 [0.01%]	± 0.04 [0.06%]	± 0.03 [0.13%]	± 0.04 [0.28%]
alpha_JVT	± 0.39 [0.22%]	± 0.27 [0.15%]	± 0.12 [0.21%]	± 0.04 [0.18%]	± 0.02 [0.12%]
alpha_EG_RESOLUTION.ALL	± 0.36 [0.21%]	± 0.21 [0.11%]	± 0.02 [0.03%]	± 0.03 [0.12%]	± 0.02 [0.11%]
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_MET_SoftTrk_ResoPara	± 0.22 [0.13%]	± 1.72 [0.95%]	± 0.24 [0.41%]	± 0.26 [1.2%]	± 0.02 [0.14%]
alpha_btag_ExtraFromCharm	± 0.22 [0.12%]	± 0.10 [0.06%]	± 0.02 [0.03%]	± 0.00 [0.00%]	± 0.00 [0.01%]
alpha_btag_Extra	± 0.21 [0.12%]	± 0.18 [0.10%]	± 0.03 [0.06%]	± 0.01 [0.04%]	± 0.11 [0.71%]
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	± 0.16 [0.09%]	± 0.22 [0.12%]	± 0.10 [0.17%]	± 0.07 [0.31%]	± 0.10 [0.64%]
alpha_MET_SoftTrk_ResoPerp	± 0.10 [0.06%]	± 1.66 [0.92%]	± 0.22 [0.37%]	± 0.32 [1.5%]	± 0.03 [0.17%]
alpha_btag_LightT	± 0.09 [0.05%]	± 0.55 [0.30%]	± 0.11 [0.18%]	± 0.11 [0.50%]	± 0.03 [0.22%]
alpha_btag_CT	± 0.07 [0.04%]	± 0.09 [0.05%]	± 0.03 [0.05%]	± 0.01 [0.06%]	± 0.02 [0.14%]
alpha_EG_RecO	± 0.05 [0.03%]	± 0.05 [0.03%]	± 0.01 [0.03%]	± 0.01 [0.03%]	± 0.01 [0.04%]
alpha_MUON_SCALE	± 0.04 [0.02%]	± 0.27 [0.15%]	± 0.11 [0.19%]	± 0.01 [0.04%]	± 0.00 [0.03%]
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_ckw-Zjets	± 0.03 [0.02%]	± 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%]	± 0.04 [0.02%]	± 0.01 [0.02%]	± 0.01 [0.03%]	± 0.00 [0.01%]
alpha_qsf-Zjets	± 0.02 [0.01%]	± 0.00 [0.00%]	± 0.01 [0.02%]	± 0.00 [0.01%]	± 0.00 [0.01%]
alpha_JER_EffectiveNP_6	± 0.02 [0.01%]	± 2.32 [1.3%]	± 0.28 [0.49%]	± 0.25 [1.2%]	± 0.10 [0.66%]
alpha_MUON_Eff_stat	± 0.01 [0.01%]	± 0.02 [0.01%]	± 0.01 [0.01%]	± 0.01 [0.03%]	± 0.00 [0.02%]
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%]	± 1.16 [5.3%]	± 0.00 [0.00%]