

Uncertainty of channel	SR1LBin0	SR1LBin1	SR1LBin2	SR1LBin3	SR1LBin4
Total background expectation	175.11	175.60	59.41	22.46	16.99
Total statistical ($\sqrt{N_{\text{exp}}}$)	± 13.23	± 13.25	± 7.71	± 4.74	± 4.12
Total background systematic	± 14.05 [8.03%]	± 10.73 [6.11%]	± 5.16 [8.69%]	± 2.49 [11.09%]	± 3.08 [18.12%]
alpha_ISR-Top1L	± 14.22 [8.1%]	± 12.36 [7.0%]	± 3.50 [5.9%]	± 1.05 [4.7%]	± 0.73 [4.3%]
mu_tt_1L	± 11.20 [6.4%]	± 9.63 [5.5%]	± 2.43 [4.1%]	± 0.65 [2.9%]	± 0.38 [2.2%]
alpha_PartonShower-Top1L	± 9.47 [5.4%]	± 10.37 [5.9%]	± 3.61 [6.1%]	± 1.05 [4.7%]	± 0.67 [3.9%]
mu_W	± 8.26 [4.7%]	± 11.05 [6.3%]	± 4.26 [7.2%]	± 1.82 [8.1%]	± 1.75 [10.3%]
alpha_muR_muF-Wjets	± 7.88 [4.5%]	± 10.25 [5.8%]	± 4.02 [6.8%]	± 1.73 [7.7%]	± 1.32 [7.8%]
alpha_JER_EffectiveNP_1	± 5.59 [3.2%]	± 0.82 [0.46%]	± 0.12 [0.20%]	± 0.76 [3.4%]	± 0.87 [5.1%]
gamma_stat_SR1LBin0.cuts.bin_0	± 4.68 [2.7%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_JER_EffectiveNP_2	± 4.64 [2.7%]	± 0.89 [0.50%]	± 0.10 [0.16%]	± 0.59 [2.6%]	± 1.29 [7.6%]
alpha_JER_EffectiveNP_7restTerm	± 3.68 [2.1%]	± 0.64 [0.36%]	± 1.11 [1.9%]	± 0.15 [0.65%]	± 0.46 [2.7%]
alpha_JER_DataVsMC	± 3.41 [1.9%]	± 0.18 [0.10%]	± 1.10 [1.8%]	± 0.27 [1.2%]	± 0.47 [2.7%]
alpha_JER_EffectiveNP_4	± 3.24 [1.8%]	± 2.04 [1.2%]	± 0.23 [0.39%]	± 0.01 [0.03%]	± 0.15 [0.85%]
alpha_JER_EffectiveNP_3	± 3.23 [1.8%]	± 0.44 [0.25%]	± 0.88 [1.5%]	± 0.60 [2.7%]	± 0.78 [4.6%]
alpha_muR_muF-ttV	± 3.12 [1.8%]	± 4.72 [2.7%]	± 2.12 [3.6%]	± 0.87 [3.9%]	± 0.65 [3.8%]
alpha_FSR-SingleTop	± 3.10 [1.8%]	± 0.61 [0.35%]	± 0.16 [0.26%]	± 0.36 [1.6%]	± 1.18 [7.0%]
alpha_JES_Group2	± 3.05 [1.7%]	± 0.59 [0.33%]	± 1.81 [3.0%]	± 0.07 [0.31%]	± 0.03 [0.19%]
alpha_JES_Group1	± 2.22 [1.3%]	± 0.74 [0.42%]	± 1.26 [2.1%]	± 0.36 [1.6%]	± 0.04 [0.26%]
alpha_JER_EffectiveNP_5	± 2.22 [1.3%]	± 1.68 [0.96%]	± 0.40 [0.67%]	± 0.11 [0.47%]	± 0.43 [2.5%]
alpha_muR_muF-Diboson	± 1.93 [1.1%]	± 2.49 [1.4%]	± 1.16 [2.0%]	± 0.56 [2.5%]	± 0.67 [4.0%]
alpha_JES_Group3	± 1.57 [0.89%]	± 0.15 [0.08%]	± 0.47 [0.79%]	± 0.05 [0.21%]	± 0.25 [1.5%]
alpha_btag_BT	± 1.48 [0.84%]	± 1.22 [0.69%]	± 0.32 [0.54%]	± 0.20 [0.90%]	± 0.09 [0.54%]
alpha_MUON_MS	± 1.05 [0.60%]	± 0.61 [0.35%]	± 0.03 [0.05%]	± 0.10 [0.46%]	± 0.01 [0.06%]
alpha_JET_Flavor_Response	± 1.02 [0.59%]	± 0.60 [0.34%]	± 0.46 [0.77%]	± 0.13 [0.56%]	± 0.02 [0.14%]
alpha_MET_SoftTrk	± 0.79 [0.45%]	± 0.01 [0.00%]	± 0.04 [0.08%]	± 0.02 [0.10%]	± 0.03 [0.19%]
alpha_muR_muF-Zjets	± 0.77 [0.44%]	± 0.40 [0.23%]	± 0.11 [0.18%]	± 0.06 [0.26%]	± 0.05 [0.28%]
Lumi	± 0.71 [0.41%]	± 0.81 [0.46%]	± 0.37 [0.63%]	± 0.17 [0.77%]	± 0.13 [0.75%]
alpha_MET_SoftTrk_ResoPara	± 0.64 [0.37%]	± 1.17 [0.67%]	± 0.11 [0.19%]	± 0.26 [1.1%]	± 0.02 [0.15%]
alpha_EG_Eff	± 0.60 [0.34%]	± 0.50 [0.29%]	± 0.27 [0.45%]	± 0.13 [0.56%]	± 0.09 [0.53%]
alpha_JER_EffectiveNP_6	± 0.58 [0.33%]	± 2.15 [1.2%]	± 0.69 [1.2%]	± 0.12 [0.52%]	± 0.16 [0.91%]
alpha_MET_SoftTrk_ResoPerp	± 0.44 [0.25%]	± 0.48 [0.27%]	± 0.31 [0.53%]	± 0.08 [0.36%]	± 0.19 [1.1%]
alpha_EG_SCALE_ALL	± 0.43 [0.24%]	± 0.59 [0.34%]	± 0.31 [0.52%]	± 0.35 [1.6%]	± 0.26 [1.6%]
alpha_JVT	± 0.41 [0.23%]	± 0.27 [0.16%]	± 0.08 [0.13%]	± 0.04 [0.18%]	± 0.03 [0.16%]
alpha_MUON_ID	± 0.34 [0.19%]	± 0.54 [0.30%]	± 0.12 [0.19%]	± 0.22 [0.96%]	± 0.03 [0.20%]
alpha_FSR-Top1L	± 0.29 [0.17%]	± 0.09 [0.05%]	± 0.45 [0.76%]	± 0.79 [3.5%]	± 0.33 [2.0%]
alpha_btag_ExtraFromCharm	± 0.22 [0.13%]	± 0.17 [0.10%]	± 0.01 [0.01%]	± 0.05 [0.21%]	± 0.03 [0.20%]
alpha_btag_Extra	± 0.18 [0.10%]	± 0.17 [0.10%]	± 0.05 [0.09%]	± 0.01 [0.05%]	± 0.03 [0.20%]
alpha_MUON_Eff_sys	± 0.17 [0.10%]	± 0.20 [0.11%]	± 0.09 [0.16%]	± 0.08 [0.34%]	± 0.12 [0.70%]
alpha_EG_RESOLUTION_ALL	± 0.14 [0.08%]	± 0.04 [0.02%]	± 0.00 [0.01%]	± 0.02 [0.11%]	± 0.01 [0.04%]
alpha_btag_CT	± 0.14 [0.08%]	± 0.14 [0.08%]	± 0.12 [0.19%]	± 0.05 [0.24%]	± 0.06 [0.35%]
alpha_pileup	± 0.09 [0.05%]	± 0.54 [0.31%]	± 0.34 [0.58%]	± 0.25 [1.1%]	± 0.25 [1.4%]
alpha_JET_EtaInt_negEta	± 0.09 [0.05%]	± 0.02 [0.01%]	± 0.00 [0.00%]	± 0.00 [0.01%]	± 0.01 [0.05%]
alpha_btag_LightT	± 0.08 [0.05%]	± 0.63 [0.36%]	± 0.05 [0.09%]	± 0.08 [0.37%]	± 0.01 [0.05%]
alpha_EG_Reco	± 0.05 [0.03%]	± 0.05 [0.03%]	± 0.02 [0.03%]	± 0.01 [0.03%]	± 0.01 [0.04%]
alpha_MUON_SCALE	± 0.04 [0.02%]	± 0.25 [0.14%]	± 0.04 [0.06%]	± 0.25 [1.1%]	± 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_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_MatrixElement-Top1L	± 0.02 [0.01%]	± 0.02 [0.01%]	± 0.00 [0.01%]	± 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_EG_SCALE_AF2	± 0.00 [0.00%]	± 0.00 [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_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_PartonShower-SingleTop	± 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%]	± 1.54 [6.9%]	± 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%]
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_VRW_VR1m.cuts.bin_0	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_MatrixElement-SingleTop	± 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_tW1L_VRW_VR2m.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_SR1LBin2.cuts.bin_0	± 0.00 [0.00%]	± 0.00 [0.00%]	± 2.90 [4.9%]	± 0.00 [0.00%]	± 0.00 [0.00%]
alpha_MUON_Eff_sys_lowpt	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]
gamma_stat_tW1L_VRW_VR1p.cuts.bin_0	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]	± 0.00 [0.00%]