

Uncertainty of channel	SR	
Total background expectation	5920.87	
Total statistical ($\sqrt{N_{\text{exp}}}$)	± 76.95	
Total background systematic	± 538.31	[9.09%]
alpha_JET_Flavor_Composition	± 259.60	[4.4%]
alpha_MET_SoftTrk_ResoPerp	± 182.03	[3.1%]
alpha_MET_SoftTrk_Scale	± 181.70	[3.1%]
alpha_MET_SoftTrk_ResoPara	± 144.86	[2.4%]
alpha_ZjetsQCDscale	± 138.75	[2.3%]
alpha_JET_Pileup_RhoTopology	± 126.36	[2.1%]
alpha_WZQCDscale	± 118.49	[2.0%]
alpha_qqZZQCDscale	± 116.07	[2.0%]
alpha_JET_EtaIntercalibration_Modelling	± 112.26	[1.9%]
alpha_JET_Flavor_Response	± 91.98	[1.6%]
alpha_ttbarQCDscale	± 73.37	[1.2%]
alpha_JET_Pileup_OffsetMu	± 71.79	[1.2%]
alpha_JET_JER_EffectiveNP_1	± 64.65	[1.1%]
alpha_WZPDF	± 62.90	[1.1%]
alpha_qqZZEWcorr	± 60.60	[1.0%]
alpha_lumi	± 58.68	[0.99%]
alpha_JET_EffectiveNP_Modelling1	± 48.61	[0.82%]
alpha_WWQCDscale	± 48.05	[0.81%]
alpha_ttbarME	± 47.78	[0.81%]
alpha_JET_Pileup_OffsetNPV	± 47.66	[0.81%]
alpha_JET_JER_EffectiveNP_2	± 42.11	[0.71%]
alpha_qqZZPDF	± 40.48	[0.68%]
alpha_JET_JER_EffectiveNP_4	± 36.96	[0.62%]
alpha_PRW_DATASF	± 35.67	[0.60%]
alpha_ggZZQCDscaleNorm	± 34.88	[0.59%]
alpha_FT_EFF_Light_systematics	± 31.05	[0.52%]
alpha_ZjetsPDF	± 29.38	[0.50%]
alpha_JET_JER_EffectiveNP_7restTerm	± 24.66	[0.42%]
alpha_EG_SCALE_ALL	± 23.46	[0.40%]
alpha_FT_EFF_B_systematics	± 23.18	[0.39%]
alpha_JET_JER_DataVsMC_MC16	± 22.98	[0.39%]
alpha_FT_EFF_C_systematics	± 20.66	[0.35%]
alpha_JET_JER_EffectiveNP_3	± 18.95	[0.32%]
gamma_stat_SR_BDTr_bin_3	± 18.02	[0.30%]
alpha_ttbarPS	± 17.21	[0.29%]
alpha_JET_JER_EffectiveNP_6	± 16.47	[0.28%]
alpha_JET_EtaIntercalibration_TotalStat	± 16.23	[0.27%]
gamma_stat_SR_BDTr_bin_6	± 15.73	[0.27%]
gamma_stat_SR_BDTr_bin_4	± 15.49	[0.26%]
alpha_MUON_SAGITTA_RHO	± 15.29	[0.26%]
gamma_stat_SR_BDTr_bin_5	± 15.14	[0.26%]
alpha_JET_Pileup_PtTerm	± 14.60	[0.25%]
alpha_topME	± 13.87	[0.23%]
alpha_EG_RESOLUTION_ALL	± 13.53	[0.23%]
gamma_stat_SR_BDTr_bin_7	± 11.68	[0.20%]
gamma_stat_SR_BDTr_bin_2	± 10.73	[0.18%]
alpha_MUON_SCALE	± 10.26	[0.17%]
gamma_stat_SR_BDTr_bin_1	± 10.00	[0.17%]
alpha_JET_JER_EffectiveNP_5	± 9.86	[0.17%]
alpha_MUON_MS	± 9.55	[0.16%]
alpha_topPS	± 9.44	[0.16%]
alpha_qqZZPSCCKW	± 9.30	[0.16%]
alpha_FT_EFF_extrapolation_from_charm	± 9.17	[0.15%]
gamma_stat_SR_BDTr_bin_9	± 8.49	[0.14%]
alpha_MUON_EFF_RECO_SYS	± 8.48	[0.14%]
gamma_stat_SR_BDTr_bin_8	± 8.35	[0.14%]
alpha_ttbarPDF	± 7.88	[0.13%]
alpha_JET_EffectiveNP_Statistical2	± 6.80	[0.11%]
alpha_WWPDF	± 6.44	[0.11%]
gamma_stat_SR_BDTr_bin_10	± 6.27	[0.11%]
gamma_stat_SR_BDTr_bin_11	± 6.02	[0.10%]
alpha_MUON_ID	± 5.88	[0.10%]
alpha_topQCDscale	± 5.74	[0.10%]
gamma_stat_SR_BDTr_bin_0	± 5.70	[0.10%]
alpha_qqZZPSCCKIN	± 5.49	[0.09%]
gamma_stat_SR_BDTr_bin_12	± 4.99	[0.08%]
alpha_MUON_SAGITTA_RESBIAS	± 4.77	[0.08%]
alpha_JET_JvtEfficiency	± 4.61	[0.08%]
gamma_stat_SR_BDTr_bin_13	± 4.09	[0.07%]
alpha_JET_EffectiveNP_Modelling2	± 4.08	[0.07%]
alpha_ZZ4QCDscale	± 3.96	[0.07%]
alpha_JET_EtaIntercalibration_NonClosure_posEta	± 3.26	[0.06%]
alpha_JET_EffectiveNP_Modelling3	± 3.12	[0.05%]
gamma_stat_SR_BDTr_bin_14	± 2.87	[0.05%]
alpha_ZZ4PDF	± 2.35	[0.04%]
alpha_topPDF	± 2.06	[0.03%]
alpha_EWKZZQCDscale	± 1.71	[0.03%]
alpha_JET_EffectiveNP_Detector1	± 1.60	[0.03%]
alpha_JET_EffectiveNP_Mixed1	± 1.45	[0.02%]
alpha_VVVQCDscale	± 1.34	[0.02%]
alpha_topInterference	± 1.32	[0.02%]
alpha_JET_EtaIntercalibration_NonClosure_negEta	± 1.10	[0.02%]
alpha_EL_EFF_ID_SIMPLIFIED_UncorrUncertaintyNP8	± 1.10	[0.02%]
alpha_EL_EFF_ID_CorrUncertaintyNP14	± 0.99	[0.02%]
alpha_qqZZPSQSF	± 0.88	[0.01%]
alpha_JET_EffectiveNP_Mixed2	± 0.31	[0.01%]
alpha_VVVPDF	± 0.23	[0.00%]
alpha_JET_EffectiveNP_Statistical4	± 0.22	[0.00%]
mu_WZ	± 0.16	[0.00%]
mu_Sig	± 0.12	[0.00%]
mu_emu	± 0.09	[0.00%]
alpha_ggZZPSQSF	± 0.04	[0.00%]
alpha_JET_EffectiveNP_Statistical5	± 0.02	[0.00%]
alpha_JET_EffectiveNP_Statistical6	± 0.01	[0.00%]
alpha_JET_EffectiveNP_Statistical3	± 0.01	[0.00%]
alpha_EL_EFF_ID_CorrUncertaintyNP15	± 0.01	[0.00%]
alpha_JET_EffectiveNP_Modelling4	± 0.00	[0.00%]
alpha_EL_EFF_Reco_TOTAL_1NPCOR_PLUS_UNCOR	± 0.00	[0.00%]
alpha_EL_EFF_ID_CorrUncertaintyNP11	± 0.00	[0.00%]
alpha_JET_EffectiveNP_Mixed3	± 0.00	[0.00%]
alpha_EL_EFF_ID_CorrUncertaintyNP13	± 0.00	[0.00%]
alpha_EL_EFF_ID_SIMPLIFIED_UncorrUncertaintyNP17	± 0.00	[0.00%]
alpha_FT_EFF_extrapolation	± 0.00	[0.00%]
alpha_EL_EFF_ID_CorrUncertaintyNP10	± 0.00	[0.00%]
alpha_ggZZPSCCKW	± 0.00	[0.00%]
alpha_QCDscale_qqVHLep_mig01	± 0.00	[0.00%]
alpha_PDF4LHC_NLO_30_EV11	± 0.00	[0.00%]
alpha_PDF4LHC_NLO_30_EV17	± 0.00	[0.00%]
alpha_PDF4LHC_NLO_30_EV14	± 0.00	[0.00%]
alpha_PDF4LHC_NLO_30_EV1	± 0.00	[0.00%]
alpha_MUON_EFF_ISO_STAT	± 0.00	[0.00%]
alpha_QCDscale_qqVHLep_mig12	± 0.00	[0.00%]
alpha_QCDscale_ggVHLep_PTV75	± 0.00	[0.00%]
alpha_QCDscale_qqVHLep_PTV75	± 0.00	[0.00%]
alpha_QCDscale_ggVHLep_mig01	± 0.00	[0.00%]