



Zγ Norm
 Wγ Norm
 Wγ Norm
 leptonSF_EL_SF_SIMPLIFIED_Reco_7
 leptonSF_EL_SF_SIMPLIFIED_Reco_6
 leptonSF_EL_SF_SIMPLIFIED_Reco_5
 leptonSF_EL_SF_SIMPLIFIED_Reco_3
 leptonSF_EL_SF_SIMPLIFIED_Reco_21
 leptonSF_EL_SF_SIMPLIFIED_Reco_2
 leptonSF_EL_SF_SIMPLIFIED_Reco_19
 leptonSF_EL_SF_SIMPLIFIED_Reco_1
 leptonSF_EL_SF_SIMPLIFIED_Reco_0
 highpt_uncalib_ljet
 highpt_uncalib_cjet
 highpt_uncalib_bjet
 ttγ_prod_var3c
 ttγ_prod_muR
 ttγ_prod_muF
 ttγ_prod_PDF4LHC_9
 ttγ_prod_PDF4LHC_8
 ttγ_prod_PDF4LHC_7
 ttγ_prod_PDF4LHC_6
 ttγ_prod_PDF4LHC_5
 ttγ_prod_PDF4LHC_4
 ttγ_prod_PDF4LHC_30
 ttγ_prod_PDF4LHC_3
 ttγ_prod_PDF4LHC_29
 ttγ_prod_PDF4LHC_28
 ttγ_prod_PDF4LHC_27
 ttγ_prod_PDF4LHC_26
 ttγ_prod_PDF4LHC_25
 ttγ_prod_PDF4LHC_24
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 ttγ_prod_PDF4LHC_21
 ttγ_prod_PDF4LHC_20
 ttγ_prod_PDF4LHC_2
 ttγ_prod_PDF4LHC_19
 ttγ_prod_PDF4LHC_18
 ttγ_prod_PDF4LHC_17
 ttγ_prod_PDF4LHC_16
 ttγ_prod_PDF4LHC_15
 ttγ_prod_PDF4LHC_14
 ttγ_prod_PDF4LHC_13
 ttγ_prod_PDF4LHC_12
 ttγ_prod_PDF4LHC_11
 ttγ_prod_PDF4LHC_10
 ttγ_prod_PDF4LHC_1
 ttγ_prod_Herwig7
 ttγ_dec_var3c
 ttγ(dec) Norm
 ttγ_dec_muR
 ttγ_dec_muF
 ttγ_dec_PDF4LHC_9
 ttγ_dec_PDF4LHC_8
 ttγ_dec_PDF4LHC_7
 ttγ_dec_PDF4LHC_6
 ttγ_dec_PDF4LHC_5
 ttγ_dec_PDF4LHC_4
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 ttγ_dec_PDF4LHC_13
 ttγ_dec_PDF4LHC_12
 ttγ_dec_PDF4LHC_11
 ttγ_dec_PDF4LHC_10
 ttγ_dec_PDF4LHC_1
 ttγ_dec_Herwig7
 ttbar_pt_hard
 ttbar_pt_hard
 ttbar Norm
 ttbar_hdamp_var
 ttbar_Herwig7
 tγ(t channel) Norm
 lepfakeSF_var2
 lepfakeSF_var1
 lepfakeSF_
 nfakeSF_
 sfakeSF_
 Wγ_muF
 Wγ_Herwig7
 Photon_offiso
 Photon_ID
 PileupRW
 Muon_SF_Trigger_SYST
 Muon_SF_Trigger_STAT
 Muon_SF_TTVA_BKG_FRACTION
 Muon_SF_Isol_STAT
 Muon_SF_Isol_SHERPA_POWHEG
 Muon_SF_Isol_MLLWINDOW
 Muon_SF_ID_TRUTH
 Muon_SF_ID_PT_DEPENDENCY
 MET_SoftTriK_ResoPerp
 Luminosity
 JVTscalefactor
 JET_Pileup_RhoTopology
 JET_Pileup_PtTern
 JET_Pileup_OffsetNPV
 JET_Pileup_OffsetMu
 JET_JER_EffectiveNP_9
 JET_JER_EffectiveNP_8
 JET_JER_EffectiveNP_7
 JET_JER_EffectiveNP_6
 JET_JER_EffectiveNP_5
 JET_JER_EffectiveNP_4
 JET_JER_EffectiveNP_3
 JET_JER_EffectiveNP_2
 JET_JER_EffectiveNP_12restTerm
 JET_JER_EffectiveNP_11
 JET_JER_EffectiveNP_1
 JET_JER_DataVsMC_MC18
 JET_Flavor_Response
 JET_Flavor_Composition
 JET_EtaIntercalibration_TotalStat
 JET_EtaIntercalibration_NonClosure_negEta
 JET_EtaIntercalibration_NonClosure_2018data
 JET_EtaIntercalibration_Modelling
 JET_EffectiveNP_Statistical8
 JET_EffectiveNP_Statistical3
 JET_EffectiveNP_Statistical2
 JET_EffectiveNP_Modelling1
 JET_EffectiveNP_Mixed2
 JET_EffectiveNP_Detector1
 JET_BJES_Response
 Electron_SF_Trigger
 Electron_Iso_SF_14
 Electron_Iso_SF_0
 Electron_ID_SF_3
 Electron_ID_SF_29
 Electron_ID_SF_27
 Electron_ID_SF_23
 EG_SCALE_ALL
 EG_RESOLUTION_ALL
 BTag_Light_9
 BTag_Light_8
 BTag_Light_7
 BTag_Light_6
 BTag_Light_5
 BTag_Light_4
 BTag_Light_3
 BTag_Light_2
 BTag_Light_19
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 BTag_Light_12
 BTag_Light_11
 BTag_Light_10
 BTag_Light_1
 BTag_Light_0
 BTag_C_9
 BTag_C_8
 BTag_C_7
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