



Z_y Norm
W_y Norm
W_{ty} Norm
W_t Norm
uncalib_ljet
uncalib_cjet
uncalib_bjet
tty_prod_var3c
tty_prod_muR
tty_prod_muF
tty_prod_PDF4LHC_6
tty_prod_PDF4LHC_5
tty_prod_PDF4LHC_4
tty_prod_PDF4LHC_28
tty_prod_PDF4LHC_22
tty_prod_PDF4LHC_20
tty_prod_PDF4LHC_2
tty_prod_PDF4LHC_19
tty_prod_PDF4LHC_17
tty_prod_PDF4LHC_16
tty_prod_PDF4LHC_11
tty_prod_PDF4LHC_1
tty_prod_Herwig7
tty_dec_var3c
tty_dec_muR
tty_dec_muF
tty_dec_fsr
tty_dec_PDF4LHC_9
tty_dec_PDF4LHC_8
tty_dec_PDF4LHC_6
tty_dec_PDF4LHC_5
tty_dec_PDF4LHC_4
tty_dec_PDF4LHC_28
tty_dec_PDF4LHC_26
tty_dec_PDF4LHC_22
tty_dec_PDF4LHC_20
tty_dec_PDF4LHC_2
tty_dec_PDF4LHC_19
tty_dec_PDF4LHC_17
tty_dec_PDF4LHC_16
tty_dec_PDF4LHC_12
tty_dec_PDF4LHC_11
tty_dec_PDF4LHC_1
tty_dec_Herwig7
ttbar_var3c
ttbar_pt_hard
ttbar Norm
ttbar_muR
ttbar_muF
ttbar_hdamp_var
ttbar_Herwig7
hfakeSF
efakeSF
diboson Norm
W_{ty}_muF
W_{ty}_Herwig7
W_t_muR
W_t_muF
W_t_Herwig7
Photon_effIso
Photon_ID
PileupRW
Muon_SF_Trigger_SYST
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
MUON_SCALE
MUON_MS
MUON_ID
MET_SoftTrk_Scale
MET_SoftTrk_ResoPerp
MET_SoftTrk_ResoPara
Luminosity
JVTscalefactor
JET_Pileup_RhoTopology
JET_Pileup_PtTerm
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_10
JET_JER_EffectiveNP_1
JET_JER_DataVsMC_MC16
JET_Flavor_Response
JET_Flavor_Composition
JET_EtaIntercalibration_TotalStat
JET_EtaIntercalibration_NonClosure_posEta
JET_EtaIntercalibration_NonClosure_negEta
JET_EtaIntercalibration_NonClosure_2018data
JET_EtaIntercalibration_Modelling
JET_EffectiveNP_Statistical4
JET_EffectiveNP_Statistical2
JET_EffectiveNP_Modelling4
JET_EffectiveNP_Modelling3
JET_EffectiveNP_Modelling2
JET_EffectiveNP_Modelling1
JET_EffectiveNP_Mixed3
JET_EffectiveNP_Mixed2
JET_EffectiveNP_Mixed1
JET_EffectiveNP_Detector1
JET_BJES_Response
Electron_Iso_SF_0
Electron_ID_SF_29
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_16
BTag_Light_14
BTag_Light_13
BTag_Light_12
BTag_Light_11
BTag_Light_10
BTag_Light_1
BTag_Light_0
BTag_C_9
BTag_C_8
BTag_C_7
BTag_C_6
BTag_C_5
BTag_C_4
BTag_C_3
BTag_C_2
BTag_C_19
BTag_C_18
BTag_C_17
BTag_C_15
BTag_C_14
BTag_C_13
BTag_C_12
BTag_C_11
BTag_C_10
BTag_C_1
BTag_C_0
BTag_B_8
BTag_B_7
BTag_B_4
BTag_B_36
BTag_B_35
BTag_B_31
BTag_B_3
BTag_B_28
BTag_B_26
BTag_B_25
BTag_B_23
BTag_B_22
BTag_B_21
BTag_B_2
BTag_B_19
BTag_B_18
BTag_B_13
BTag_B_12
BTag_B_11
BTag_B_10
BTag_B_1
BTag_B_0