

EG\_SCALE\_AF3  
 EG\_SCALE\_ALL  
 JET\_BJES\_Response  
 JET\_EffectiveNP\_Detector1  
 JET\_EffectiveNP\_Detector2  
 JET\_EffectiveNP\_Mixed1  
 JET\_EffectiveNP\_Mixed2  
 JET\_EffectiveNP\_Modelling1  
 JET\_EffectiveNP\_Modelling2  
 JET\_EffectiveNP\_Modelling3  
 JET\_EffectiveNP\_Modelling4  
 JET\_EffectiveNP\_Statistical1  
 JET\_EffectiveNP\_Statistical2  
 JET\_EffectiveNP\_Statistical3  
 JET\_EffectiveNP\_Statistical4  
 JET\_EffectiveNP\_Statistical5  
 JET\_EffectiveNP\_Statistical6  
 JET\_EtaInterCalibration\_Modelling  
 JET\_EtaInterCalibration\_NonClosure\_2016data  
 JET\_EtaInterCalibration\_NonClosure\_highE  
 JET\_EtaInterCalibration\_NonClosure\_negEta  
 JET\_EtaInterCalibration\_PosEta  
 JET\_EtaInterCalibration\_TotalStat  
 JET\_Flavor\_Composition  
 JET\_Flavor\_Response  
 JET\_JCR\_DataVsMC\_MC16  
 JET\_JCR\_EffectiveNP\_10  
 JET\_JCR\_EffectiveNP\_11  
 JET\_JCR\_EffectiveNP\_12nearTerm  
 JET\_JCR\_EffectiveNP\_1  
 JET\_JCR\_EffectiveNP\_2  
 JET\_JCR\_EffectiveNP\_3  
 JET\_JCR\_EffectiveNP\_4  
 JET\_JCR\_EffectiveNP\_5  
 JET\_JCR\_EffectiveNP\_6  
 JET\_JCR\_EffectiveNP\_7  
 JET\_JCR\_EffectiveNP\_8  
 JET\_JCR\_EffectiveNP\_9  
 JET\_Pileup\_OffsetMu  
 JET\_Pileup\_OffsetNPV  
 JET\_Pileup\_PTerm  
 JET\_Pileup\_RhoTopology  
 JET\_PunchThrough\_MC16  
 MET\_SoftTik\_Scale  
 MUON\_ID  
 MUON\_MS  
 MUON\_SAGITTA\_RESBIAS  
 MUON\_SCALE  
 Pileup\_RW  
 Electron\_SF\_Trigger  
 Muon\_SF\_Trigger\_STAT  
 Muon\_SF\_Trigger\_SYST  
 Muon\_SF\_ID\_STAT  
 Muon\_SF\_ID\_MATCHING  
 Muon\_SF\_ID\_MC\_XSEC  
 Muon\_SF\_ID\_PT\_DEPENDENCY  
 Muon\_SF\_ID\_QCD\_TEMPLATE  
 Muon\_SF\_ID\_TRUTH  
 Muon\_SF\_Isol\_STAT  
 Muon\_SF\_Isol\_BKG\_FRACTION  
 Muon\_SF\_Isol\_QCD\_TEMPLATE  
 Muon\_SF\_Isol\_MLLWINDOW  
 Muon\_SF\_Isol\_DRMUJ  
 Muon\_SF\_Isol\_PROBEO  
 Muon\_SF\_Isol\_SHERPA\_POWHEG  
 Muon\_SF\_TTVA\_STAT  
 Muon\_SF\_TTVA\_BKG\_FRACTION  
 Muon\_SF\_TTVA\_MC\_XSEC  
 Muon\_SF\_TTVA\_QCD\_TEMPLATE  
 Photon\_ID  
 Photon\_efflao  
 JVT scale factor  
 etakeSF\_  
 htakeSF\_  
 leptakeSF\_  
 leptakeSF\_var1  
 leptakeSF\_var2  
 tbar\_var3c  
 tbar\_Herwig7  
 Wty\_Herwig7  
 Wt\_Herwig7  
 tbar\_hdamp\_var  
 tbar\_pt\_had  
 Wty\_Norm  
 Wt\_Norm  
 ty(s channel) Norm  
 ty(t channel) Norm  
 Wty\_Norm  
 Zy\_Norm  
 diboson Norm  
 tbar Norm  
 Luminosity  
 jet\_jet data vs mc AF3  
 jet RelativeNonClosure AF3  
 highpt\_uncalib\_jet  
 highpt\_uncalib\_cjet  
 highpt\_uncalib\_bjet  
 Wty\_muR  
 Wty\_muF  
 Wt\_muF  
 tbar\_muR  
 tbar\_muF  
 MET\_SoftTik\_RatioPars  
 MET\_SoftTik\_RatioPars  
 DTag\_B\_0  
 DTag\_B\_1  
 DTag\_B\_2  
 DTag\_B\_3  
 DTag\_B\_4  
 DTag\_B\_5  
 DTag\_B\_6  
 DTag\_B\_7  
 DTag\_B\_8  
 DTag\_B\_9  
 DTag\_B\_10  
 DTag\_B\_11  
 DTag\_B\_12  
 DTag\_B\_13  
 DTag\_B\_14  
 DTag\_B\_15  
 DTag\_B\_16  
 DTag\_B\_17  
 DTag\_B\_18  
 DTag\_B\_19  
 DTag\_B\_20  
 DTag\_B\_21  
 DTag\_B\_22  
 DTag\_B\_23  
 DTag\_B\_24  
 DTag\_B\_25  
 DTag\_B\_26  
 DTag\_B\_27  
 DTag\_B\_28  
 DTag\_B\_29  
 DTag\_B\_30  
 DTag\_B\_31  
 DTag\_B\_32  
 DTag\_B\_33  
 DTag\_B\_34  
 DTag\_B\_35  
 DTag\_B\_36  
 DTag\_B\_37  
 DTag\_B\_38  
 DTag\_B\_39  
 DTag\_B\_40  
 DTag\_B\_41  
 DTag\_B\_42  
 DTag\_B\_43  
 DTag\_B\_44  
 DTag\_C\_0  
 DTag\_C\_1  
 DTag\_C\_2  
 DTag\_C\_3  
 DTag\_C\_4  
 DTag\_C\_5  
 DTag\_C\_6  
 DTag\_C\_7  
 DTag\_C\_8  
 DTag\_C\_9  
 DTag\_C\_10  
 DTag\_C\_11  
 DTag\_C\_12  
 DTag\_C\_13  
 DTag\_C\_14  
 DTag\_C\_15  
 DTag\_C\_16  
 DTag\_C\_17  
 DTag\_C\_18  
 DTag\_C\_19  
 DTag\_Light\_0  
 DTag\_Light\_1  
 DTag\_Light\_2  
 DTag\_Light\_3  
 DTag\_Light\_4  
 DTag\_Light\_5  
 DTag\_Light\_6  
 DTag\_Light\_7  
 DTag\_Light\_8  
 DTag\_Light\_9  
 DTag\_Light\_10  
 DTag\_Light\_11  
 DTag\_Light\_12  
 DTag\_Light\_13  
 DTag\_Light\_14  
 DTag\_Light\_15  
 DTag\_Light\_16  
 DTag\_Light\_17  
 DTag\_Light\_18  
 DTag\_Light\_19  
 Electron\_Reco\_SF\_2  
 Electron\_Reco\_SF\_3  
 Electron\_Reco\_SF\_4  
 Electron\_Reco\_SF\_5  
 Electron\_Reco\_SF\_6  
 Electron\_Reco\_SF\_7  
 Electron\_Reco\_SF\_13  
 Electron\_Reco\_SF\_15  
 Electron\_Reco\_SF\_18  
 Electron\_Reco\_SF\_19  
 Electron\_Reco\_SF\_20  
 Electron\_Reco\_SF\_21  
 Electron\_ID\_SF\_1  
 Electron\_ID\_SF\_3  
 Electron\_ID\_SF\_5  
 Electron\_ID\_SF\_6  
 Electron\_ID\_SF\_7  
 Electron\_ID\_SF\_9  
 Electron\_ID\_SF\_11  
 Electron\_ID\_SF\_14  
 Electron\_ID\_SF\_15  
 Electron\_ID\_SF\_21  
 Electron\_ID\_SF\_22  
 Electron\_ID\_SF\_23  
 Electron\_ID\_SF\_26  
 Electron\_ID\_SF\_27  
 Electron\_ID\_SF\_28  
 Electron\_ID\_SF\_29  
 Electron\_Iso\_SF\_9  
 Electron\_Iso\_SF\_8  
 Electron\_Iso\_SF\_11  
 Electron\_Iso\_SF\_13  
 Electron\_Iso\_SF\_14  
 ty\_prod\_var3c  
 ty\_dec\_var3c  
 ty\_dec\_tsr  
 ty\_prod\_Herwig7  
 ty\_dec\_Herwig7  
 ty(dec) Norm  
 ty\_dec\_muR  
 ty\_dec\_muF  
 ty\_prod\_muR  
 ty\_prod\_muF  
 ty\_prod\_PDF4LHC\_1  
 ty\_prod\_PDF4LHC\_2  
 ty\_prod\_PDF4LHC\_3  
 ty\_prod\_PDF4LHC\_4  
 ty\_prod\_PDF4LHC\_5  
 ty\_prod\_PDF4LHC\_6  
 ty\_prod\_PDF4LHC\_7  
 ty\_prod\_PDF4LHC\_8  
 ty\_prod\_PDF4LHC\_9  
 ty\_prod\_PDF4LHC\_10  
 ty\_prod\_PDF4LHC\_11  
 ty\_prod\_PDF4LHC\_12  
 ty\_prod\_PDF4LHC\_13  
 ty\_prod\_PDF4LHC\_14  
 ty\_prod\_PDF4LHC\_15  
 ty\_prod\_PDF4LHC\_16  
 ty\_prod\_PDF4LHC\_17  
 ty\_prod\_PDF4LHC\_18  
 ty\_prod\_PDF4LHC\_19  
 ty\_prod\_PDF4LHC\_20  
 ty\_prod\_PDF4LHC\_21  
 ty\_prod\_PDF4LHC\_22  
 ty\_prod\_PDF4LHC\_23  
 ty\_prod\_PDF4LHC\_24  
 ty\_prod\_PDF4LHC\_25  
 ty\_prod\_PDF4LHC\_26  
 ty\_prod\_PDF4LHC\_27  
 ty\_prod\_PDF4LHC\_28  
 ty\_prod\_PDF4LHC\_29  
 ty\_prod\_PDF4LHC\_30  
 ty\_dec\_PDF4LHC\_1  
 ty\_dec\_PDF4LHC\_2  
 ty\_dec\_PDF4LHC\_3  
 ty\_dec\_PDF4LHC\_4  
 ty\_dec\_PDF4LHC\_5  
 ty\_dec\_PDF4LHC\_6  
 ty\_dec\_PDF4LHC\_7  
 ty\_dec\_PDF4LHC\_8  
 ty\_dec\_PDF4LHC\_9  
 ty\_dec\_PDF4LHC\_10  
 ty\_dec\_PDF4LHC\_11  
 ty\_dec\_PDF4LHC\_12  
 ty\_dec\_PDF4LHC\_13  
 ty\_dec\_PDF4LHC\_14  
 ty\_dec\_PDF4LHC\_15  
 ty\_dec\_PDF4LHC\_16  
 ty\_dec\_PDF4LHC\_17  
 ty\_dec\_PDF4LHC\_18  
 ty\_dec\_PDF4LHC\_19  
 ty\_dec\_PDF4LHC\_20  
 ty\_dec\_PDF4LHC\_21  
 ty\_dec\_PDF4LHC\_22  
 ty\_dec\_PDF4LHC\_23  
 ty\_dec\_PDF4LHC\_24  
 ty\_dec\_PDF4LHC\_25  
 ty\_dec\_PDF4LHC\_26  
 ty\_dec\_PDF4LHC\_27  
 ty\_dec\_PDF4LHC\_28  
 ty\_dec\_PDF4LHC\_29  
 ty\_dec\_PDF4LHC\_30