

Theory

$t\bar{t}$ $\mu_R \mu_F$ scale
 $t\bar{t}$ μ_R scale
 $t\bar{t}$ μ_F scale
 $t\bar{t}$ hdamp=3m_{top}
 $t\bar{t}$ PS + had.
 $t\bar{t}$ NLO gen.
 $t\bar{t}$ ISR
 $t\bar{t}$ FSR
 $t\bar{t}$ XS
 $t\bar{t}Z$ $\mu_R \mu_F$ scale
 $t\bar{t}Z$ μ_R scale
 $t\bar{t}Z$ μ_F scale
 $t\bar{t}Z$ XS
 $t\bar{t}Z$ NLO gen. + PS + had.
 $t\bar{t}Z$ ISR
 $t\bar{t}W$ $\mu_R \mu_F$ scale
 $t\bar{t}W$ μ_R scale
 $t\bar{t}W$ μ_F scale
 $t\bar{t}W$ XS
 $t\bar{t}H$ $\mu_R \mu_F$ scale
 $t\bar{t}H$ μ_R scale
 $t\bar{t}H$ μ_F scale
 $t\bar{t}H$ XS
 $t\bar{t}H$ PS + had.
 $t\bar{t}H$ NLO gen.
 $t\bar{t}H$ ISR
 $t\bar{t}H$ FSR
 tZq $\mu_R \mu_F$ scale
 tZq μ_R scale
 tZq μ_F scale
 tZq PS + had.
 tZq ISR
 tZq XS
 tWZ $\mu_R \mu_F$ scale
 tWZ μ_R scale
 tWZ μ_F scale
 tWZ XS
 tWZ (alt. DR)
 tWH μ_R scale
 tWH XS
 tWH PS + had.
 tHq $\mu_R \mu_F$ scale
 tHq μ_R scale
 tHq μ_F scale
 tHq PS + had.
 tW $\mu_R \mu_F$ scale
 tW μ_R scale
 tW μ_F scale
 tW PS + had.
 tW NLO gen.
 tW (DR vs. DS)
 tW XS
 tW ISR
 tW FSR
Minor bkg. XS
 Z +jets $\mu_R \mu_F$ scale
 Z +jets μ_R scale
 Z +jets μ_F scale
 Z +jets XS
Diboson $\mu_R \mu_F$ scale
Diboson μ_R scale
Diboson μ_F scale
Diboson XS
Diboson NLO gen. + PS + had.

Instrumental_JESR

JES effective NP stat. 6
JES effective NP stat. 5
JES effective NP stat. 4
JES effective NP stat. 3
JES effective NP stat. 2
JES effective NP stat. 1
JES effective NP modelling 4
JES effective NP modelling 3
JES effective NP modelling 2
JES effective NP modelling 1
JES effective NP mixed 3
JES effective NP mixed 2
JES effective NP mixed 1
JES effective NP detector 2
JES effective NP detector 1
JES relative non-closure AFII
JES pileup ρ topology
JES pileup pT term
JES pileup offset NPV
JES pileup offset μ
JES flavour response
JES flavour composition
JES η intercalibration total stat
JES η intercalibration non-closure (pos η)
JES η intercalibration non-closure (neg η)
JET EtaIntercalibration NonClosure 2018data
JES η intercalibration modelling
JES BJES Response
JER EffectiveNP 9
JER EffectiveNP 8
JER EffectiveNP 7
JER EffectiveNP 6
JER EffectiveNP 5
JER EffectiveNP 4
JER EffectiveNP 3
JER EffectiveNP 2
JER EffectiveNP 12restTerm
JER EffectiveNP 11
JER EffectiveNP 10
JER EffectiveNP 1
JER DataVsMC MC16
JER DataVsMC AFII

Instrumental_FTAG

light-tag Eigenvar. 6
light-tag Eigenvar. 3
light-tag Eigenvar. 1
light-tag Eigenvar. 0
c-tag Eigenvar. 17
c-tag Eigenvar. 15
c-tag Eigenvar. 5
c-tag Eigenvar. 0
b-tag Eigenvar. 6
b-tag Eigenvar. 2
b-tag Eigenvar. 1
b-tag Eigenvar. 0

Instrumental

Tau fake shape
Tau fake norm.
Luminosity
Forward Jet-Vertex-Tagger (fJVT)
Tau energy scale (physicslist)
Tau energy scale (model closure)
Tau energy scale (insitu fit)
Tau energy scale (insitu exp.)
Tau energy scale (detector)
RNN Tau ID syst.
RNN Tau ID 1P (40)
Tau reconstruction
Tau electron veto (tot.)
Pile-up rew.
Muon isol. eff. (syst)
Muon energy scale
Muon sagitta residual bias
Muon energy resolution (MS)
Muon energy resolution (ID)
MET soft scale
MET soft reso (parp.)
MET soft reso (para.)
Jet-Vertex-Tagger (JVT)
Electron isol. eff. (syst)
Electron ID eff.
Electron energy scale