

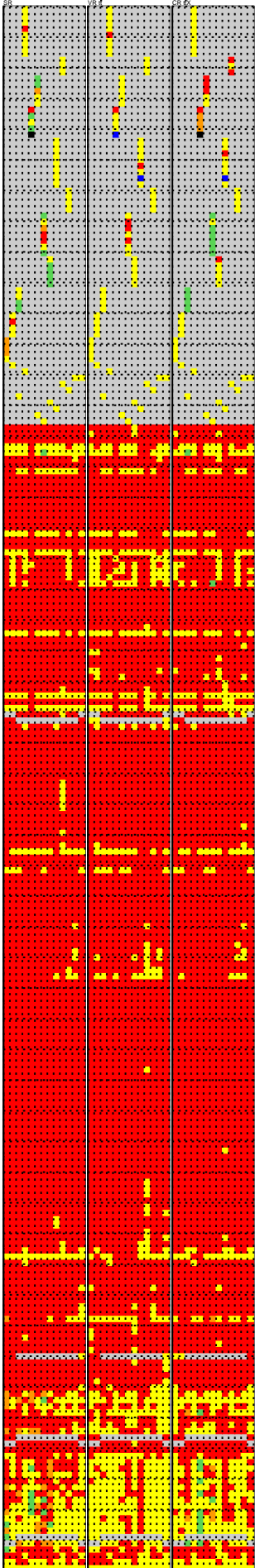
$$t \mapsto q(2tSS + t)$$

22

100

and

HFSR
 HFSR
 μ_{γ} scale
 μ_{γ} scale
 μ_{γ} scale
 PS + had.
 NLO gen.
 $Z+\text{jets } \mu_{F,\gamma}$ scale
 $Z+\text{jets } \mu_{\gamma}$ scale
 $Z+\text{jets } \mu_{\gamma}$ scale
 Z ISR
 μ_{γ} scale
 μ_{γ} scale
 μ_{γ} scale
 NLO gen. + PS + had.
 W ISR
 μ_{γ} scale
 μ_{γ} scale
 μ_{γ} scale
 W NLO gen. + PS + had.
 W FSR
 μ_{γ} scale
 μ_{γ} scale
 μ_{γ} scale
 W PS + had.
 W NLO gen.
 W (DR vs. DS)
 Diboson $\mu_{F,\gamma}$ scale
 Diboson μ_{γ} scale
 Diboson μ_{γ} scale
 Diboson NLO gen. + PS + had.
 H FSR
 μ_{γ} scale
 μ_{γ} scale
 μ_{γ} scale
 PS + had.
 NLO gen.
 ZQ ISR
 μ_{γ} scale
 μ_{γ} scale
 μ_{γ} scale
 ZQ PS + had.
 μ_{γ} scale
 μ_{γ} scale
 μ_{γ} scale
 μ_{γ} scale
 WH (all. DR)
 μ_{γ} scale
 μ_{γ} scale
 μ_{γ} scale
 WH PS + had.
 μ_{γ} scale
 μ_{γ} scale
 μ_{γ} scale
 THQ PS + had.
 THQ μ_{γ} scale
 THQ μ_{γ} scale
 THQ PS + had.
 WH XS
 XS
 Minor bkg. XS
 Z+jets XS
 Diboson XS
 WZ XS
 WZ XS
 WW XS
 ZZ XS
 MET soft reso (para.)
 MET soft reso (para.)
 MET soft scale
 Tau fake shape
 Tau fake norm.
 Lepton fake leading
 Tau fake sub-leading
 RNN Tau ID syst.
 RNN Tau ID High-pT
 RNN Tau ID 3P (40)
 RNN Tau ID 3P (30-40)
 RNN Tau ID 3P (20-30)
 RNN Tau ID 3P (20-25)
 RNN Tau ID 1P (40)
 RNN Tau ID 1P (30-40)
 RNN Tau ID 1P (25-30)
 RNN Tau ID 1P (20-25)
 Tau reconstruction
 Tau electron veto (syst.)
 Tau electron veto (stat.)
 Tau electron veto (tot.)
 Tau energy scale (physical)
 Tau energy scale (model closure)
 Tau energy scale (in situ fit)
 Tau energy scale (in situ exp.)
 Tau energy scale (detector)
 Muon TTVA eff. (stat)
 Muon trigger eff. (stat)
 Muon isol. eff. (stat)
 Muon low pT ID eff. (stat)
 Muon ID eff. (stat)
 Muon TTVA eff. (syst)
 Muon trigger eff. (syst)
 Muon isol. eff. (syst)
 Muon low pT ID eff. (syst)
 Muon ID eff. (syst)
 Muon energy scale
 Muon sagitta p topology
 Muon sagitta residual bias
 Muon energy resolution (MS)
 Muon energy resolution (ID)
 Electron trigger eff.
 Electron reco. eff.
 Electron isol. eff. (syst)
 Electron isol. eff. (stat)
 Electron ID eff.
 Electron energy scale
 Electron energy resolution
 light-tag Eigensvar. 19
 light-tag Eigensvar. 18
 light-tag Eigensvar. 17
 light-tag Eigensvar. 16
 light-tag Eigensvar. 15
 light-tag Eigensvar. 14
 light-tag Eigensvar. 13
 light-tag Eigensvar. 12
 light-tag Eigensvar. 11
 light-tag Eigensvar. 10
 light-tag Eigensvar. 9
 light-tag Eigensvar. 8
 light-tag Eigensvar. 7
 light-tag Eigensvar. 6
 light-tag Eigensvar. 5
 light-tag Eigensvar. 4
 light-tag Eigensvar. 3
 light-tag Eigensvar. 2
 light-tag Eigensvar. 1
 c-tag Eigensvar. 19
 c-tag Eigensvar. 18
 c-tag Eigensvar. 17
 c-tag Eigensvar. 16
 c-tag Eigensvar. 15
 c-tag Eigensvar. 14
 c-tag Eigensvar. 13
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 c-tag Eigensvar. 6
 c-tag Eigensvar. 5
 c-tag Eigensvar. 4
 c-tag Eigensvar. 3
 c-tag Eigensvar. 2
 c-tag Eigensvar. 1
 b-tag Eigensvar. 0
 b-tag Eigensvar. 44
 b-tag Eigensvar. 43
 b-tag Eigensvar. 42
 b-tag Eigensvar. 41
 b-tag Eigensvar. 40
 b-tag Eigensvar. 39
 b-tag Eigensvar. 38
 b-tag Eigensvar. 37
 b-tag Eigensvar. 36
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 b-tag Eigensvar. 8
 b-tag Eigensvar. 7
 b-tag Eigensvar. 6
 b-tag Eigensvar. 5
 b-tag Eigensvar. 4
 b-tag Eigensvar. 3
 b-tag Eigensvar. 2
 b-tag Eigensvar. 1
 b-tag Eigensvar. 0
 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 mixed 2
 JES effective NP mixed 1
 JES effective NP detector 2
 JES relative non-closure AFII
 Inter-calibration non-closure (pos. η)
 Inter-calibration non-closure (high- η)
 Inter-calibration non-closure (High-Energy) NonClosure 2016data
 JES η intercalibration total stat
 JES flavour composition
 JES flavour response
 JES pileup p topology
 JES pileup pT term
 JES pileup offset NPV
 JES pileup offset μ
 JES Punctthrough (AFII)
 JES Punctthrough
 JES single particle (high-pT)
 JES BJES Response
 JER EffectiveNP 12resTerm
 JER EffectiveNP 11
 JER EffectiveNP 10
 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 1
 JER Data/Vsmc MC16
 Forward Jet-Vertex-Tagger (JVT)
 Jet-Vtx-Ztag (JVT)
 Pile-up noise



Not present
 Kept
 Shape dropped
 Norm. dropped
 Dropped
 Norm. >99% (dropped)
 Red. above (dropped)