

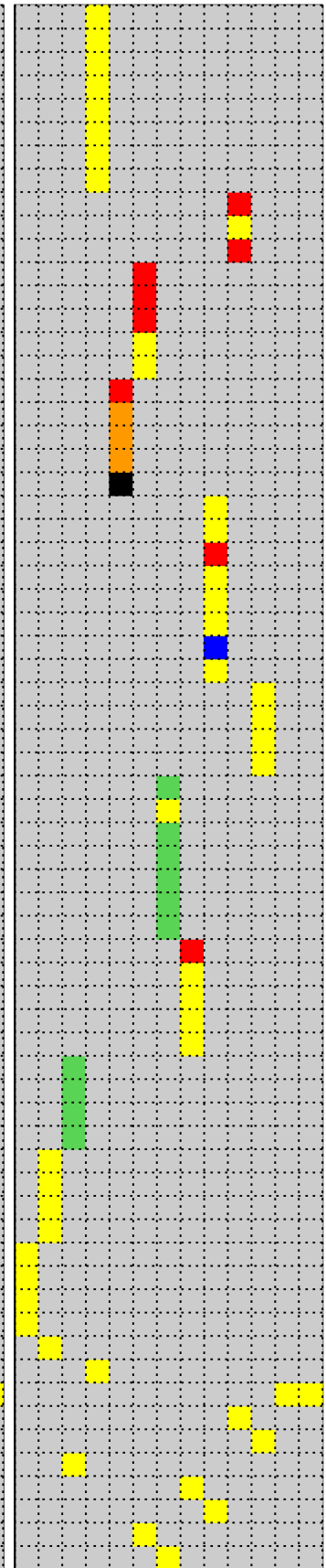
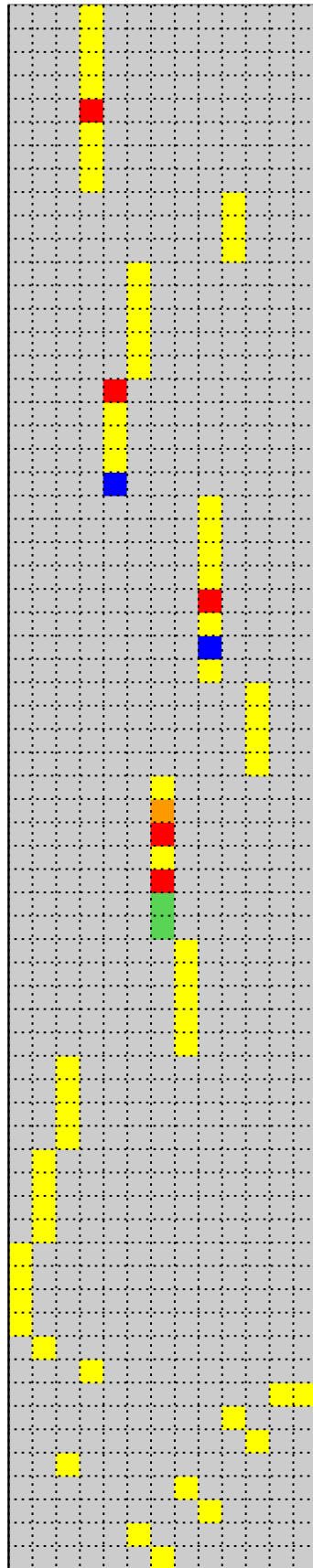
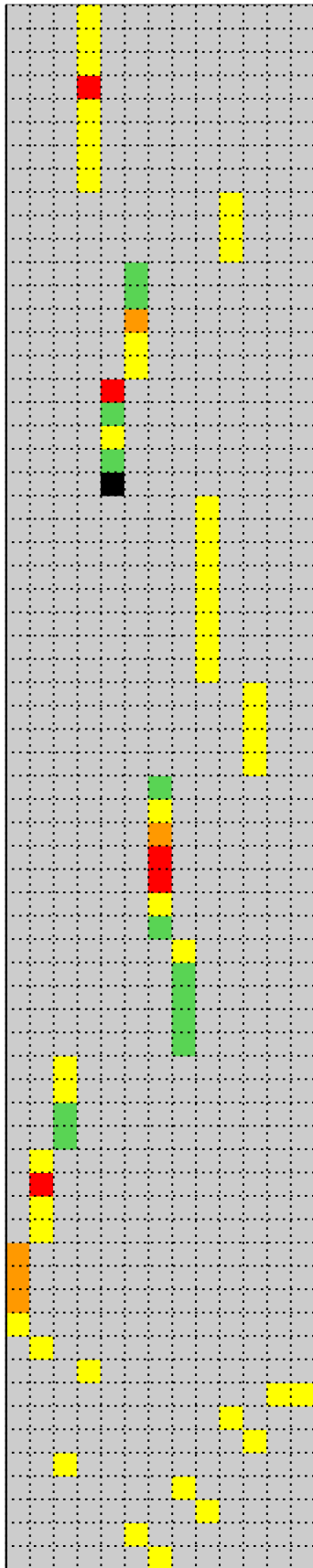
tHq(2ISS+1 τ)

SR

VR t \bar{t}

CR t \bar{t} X

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



Not present
Kept
Shape dropped
Norm. dropped
Dropped
Norm >99% (dropped)
Bad shape (dropped)
Bad shape & norm. (dropped)

tHq tWH tWZ t \bar{t} t \bar{t} W t \bar{t} Z t \bar{t} H tZq tW Z+jets Diboson minor bkg minor bkg

tHq tWH tWZ t \bar{t} t \bar{t} W t \bar{t} Z t \bar{t} H tZq tW Z+jets Diboson minor bkg minor bkg

tHq tWH tWZ t \bar{t} t \bar{t} W t \bar{t} Z t \bar{t} H tZq tW Z+jets Diboson minor bkg minor bkg