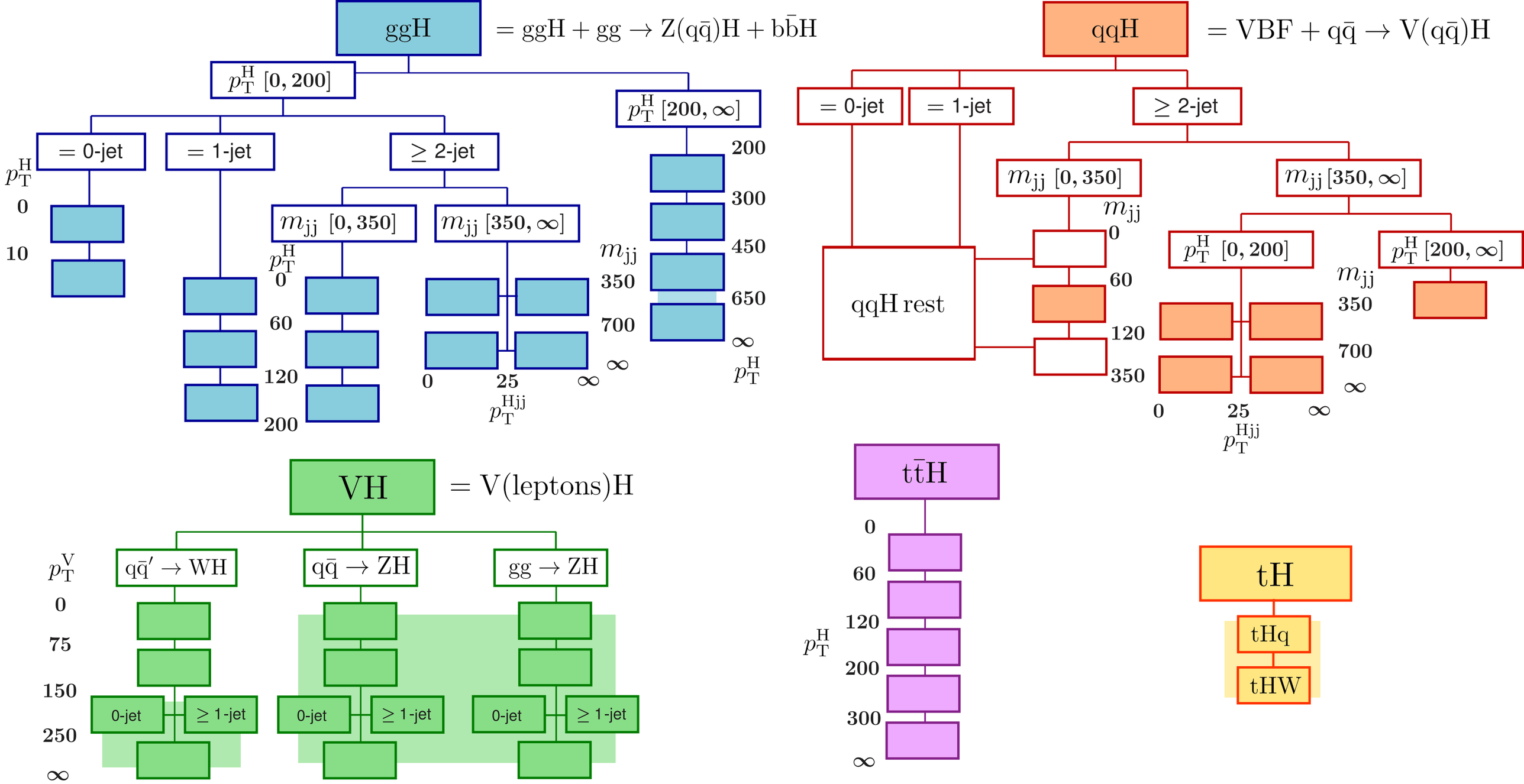
ggH
= ggH + gg → Z(qq̄)H + bb̄H
p_T^H [0, 200]
p_T^H [200, ∞]
= 0-jet
= 1-jet
≥ 2-jet
m_{jj} [0, 350]
m_{jj} [350, ∞]
p_T^H
0
10
0
60
120
200
0
25
∞
p_T^{Hjj}
m_{jj}
350
700
∞
200
300
450
650
∞
p_T^H
qqH
= VBF + qq̄ → V(qq̄)H
= 0-jet
= 1-jet
≥ 2-jet
qqH rest
m_{jj} [0, 350]
m_{jj} [350, ∞]
m_{jj}
0
60
120
350
p_T^H [0, 200]
p_T^H [200, ∞]
m_{jj}
350
700
∞
0
25
∞
p_T^{Hjj}
VH
= V(leptons)H
p_T^V
0
75
150
250
∞
qq̄′ → WH
qq̄ → ZH
gg → ZH
0-jet
≥ 1-jet
0-jet
≥ 1-jet
0-jet
≥ 1-jet
tt̄H
p_T^H
0
60
120
200
300
∞
tH
tHq
tHW