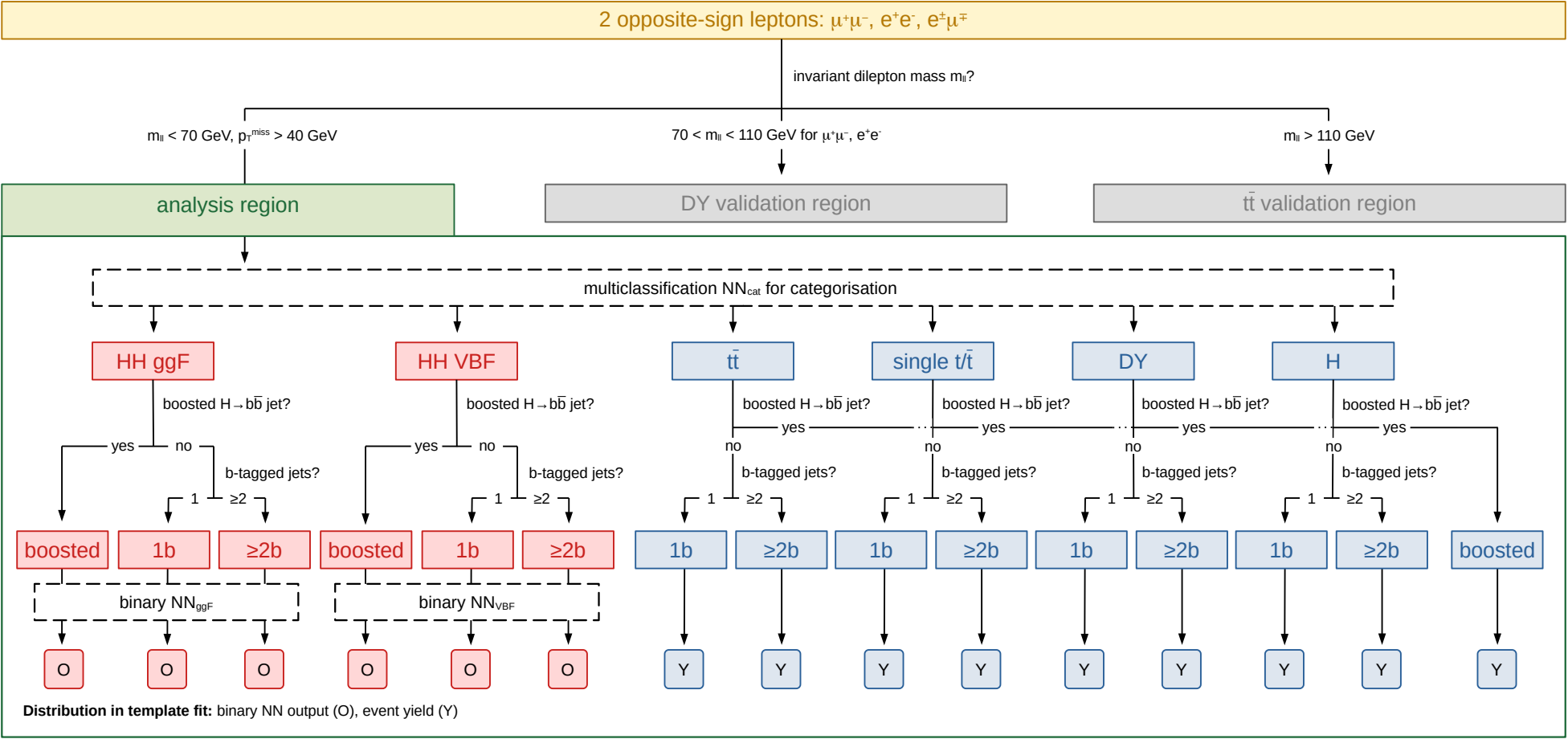
2 opposite-sign leptons: μ+μ−, e+e−, e±μ∓
invariant dilepton mass mll?
mll < 70 GeV, pTmiss > 40 GeV
70 < mll < 110 GeV for μ+μ−, e+e−
mll > 110 GeV
analysis region
DY validation region
tt̄ validation region
multiclassification NNcat for categorisation
HH ggF
HH VBF
tt̄
single t/t̄
DY
H
boosted H→bb̄ jet?
yes
no
b-tagged jets?
1
≥2
boosted
1b
≥2b
binary NNggF
binary NNVBF
O
Y
Distribution in template fit: binary NN output (O), event yield (Y)