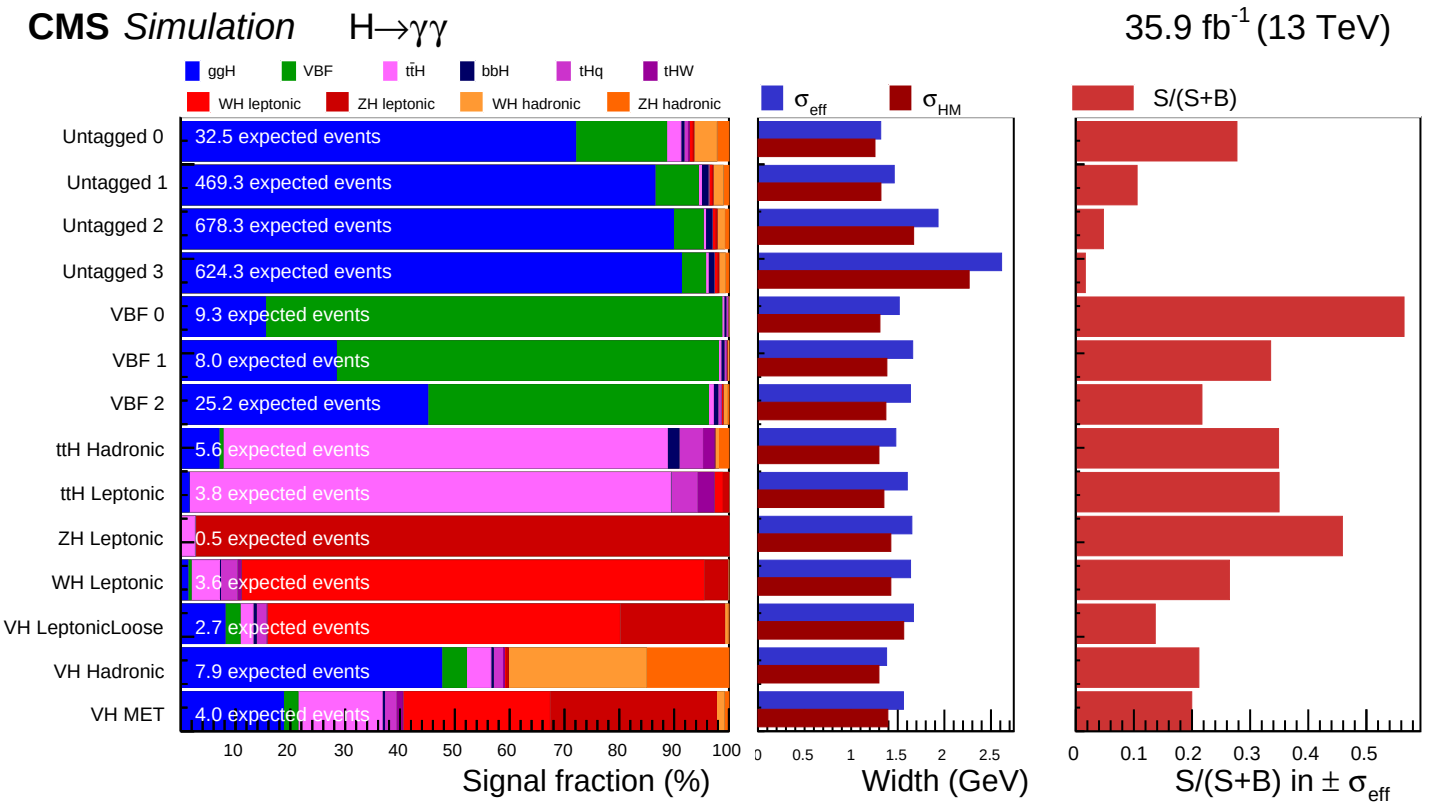
CMS Simulation
H→γγ
35.9 fb-1 (13 TeV)
ggH
VBF
tt̄H
bbH
tHq
tHW
WH leptonic
ZH leptonic
WH hadronic
ZH hadronic
σeff
σHM
S/(S+B)
Untagged 0
Untagged 1
Untagged 2
Untagged 3
VBF 0
VBF 1
VBF 2
ttH Hadronic
ttH Leptonic
ZH Leptonic
WH Leptonic
VH LeptonicLoose
VH Hadronic
VH MET
32.5 expected events
469.3 expected events
678.3 expected events
624.3 expected events
9.3 expected events
8.0 expected events
25.2 expected events
5.6 expected events
3.8 expected events
0.5 expected events
3.6 expected events
2.7 expected events
7.9 expected events
4.0 expected events
10 20 30 40 50 60 70 80 90 100
Signal fraction (%)
0 0.5 1 1.5 2 2.5
Width (GeV)
0 0.1 0.2 0.3 0.4 0.5
S/(S+B) in ± σeff