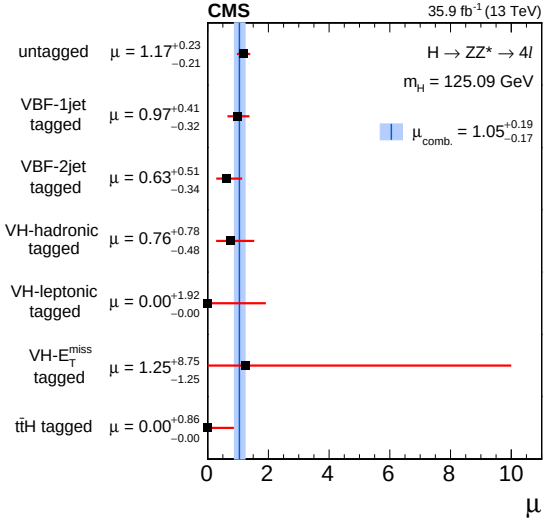
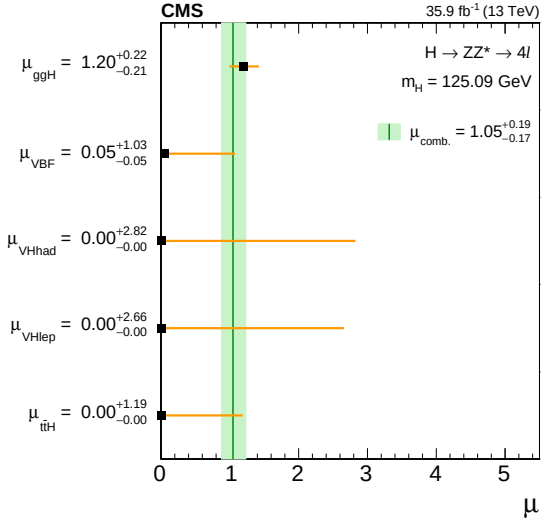
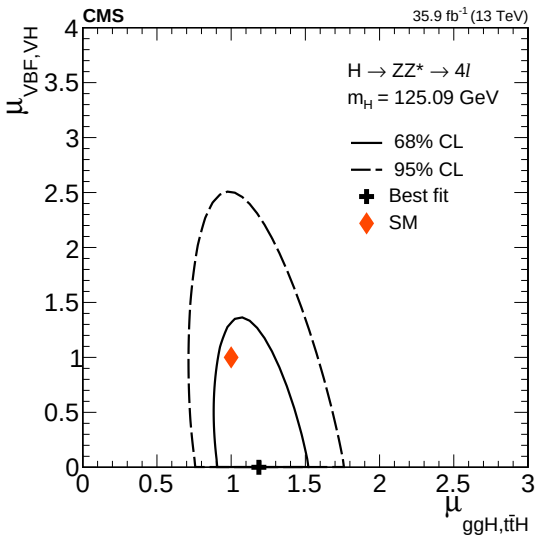

CMS
35.9 fb^{-1} (13 TeV)
$H \to ZZ^* \to 4l$
m_H = 125.09 GeV
$\mu_{comb.} = 1.05^{+0.19}_{-0.17}$
untagged $\mu = 1.17^{+0.23}_{-0.21}$
VBF-1jet tagged $\mu = 0.97^{+0.41}_{-0.32}$
VBF-2jet tagged $\mu = 0.63^{+0.51}_{-0.34}$
VH-hadronic tagged $\mu = 0.76^{+0.78}_{-0.48}$
VH-leptonic tagged $\mu = 0.00^{+1.92}_{-0.00}$
VH-E_T^{miss} tagged $\mu = 1.25^{+8.75}_{-1.25}$
$t\bar{t}H$ tagged $\mu = 0.00^{+0.86}_{-0.00}$
0 2 4 6 8 10
μ


CMS
35.9 fb^{-1} (13 TeV)
$H \to ZZ^* \to 4l$
m_H = 125.09 GeV
$\mu_{comb.} = 1.05^{+0.19}_{-0.17}$
$\mu_{ggH} = 1.20^{+0.22}_{-0.21}$
$\mu_{VBF} = 0.05^{+1.03}_{-0.05}$
$\mu_{VHhad} = 0.00^{+2.82}_{-0.00}$
$\mu_{VHlep} = 0.00^{+2.66}_{-0.00}$
$\mu_{t\bar{t}H} = 0.00^{+1.19}_{-0.00}$
0 1 2 3 4 5
μ


CMS
35.9 fb^{-1} (13 TeV)
$H \to ZZ^* \to 4l$
m_H = 125.09 GeV
68% CL
95% CL
Best fit
SM
$\mu_{VBF,VH}$
$\mu_{ggH,t\bar{t}H}$
0 0.5 1 1.5 2 2.5 3 3.5 4