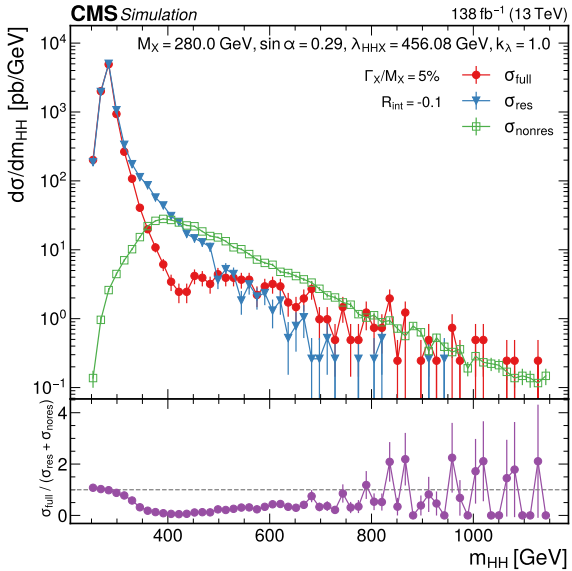
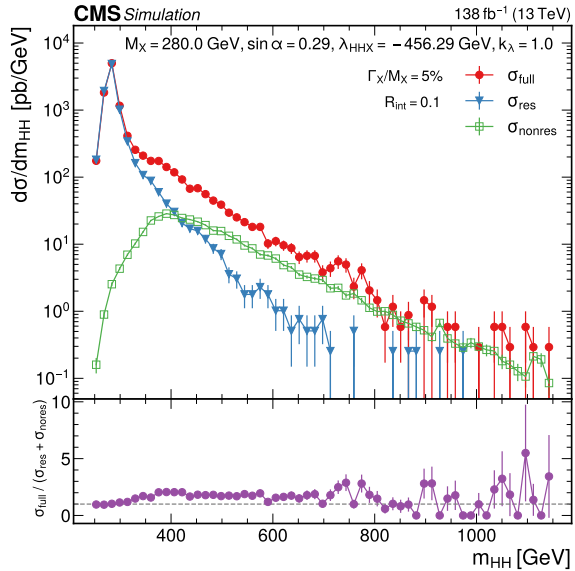
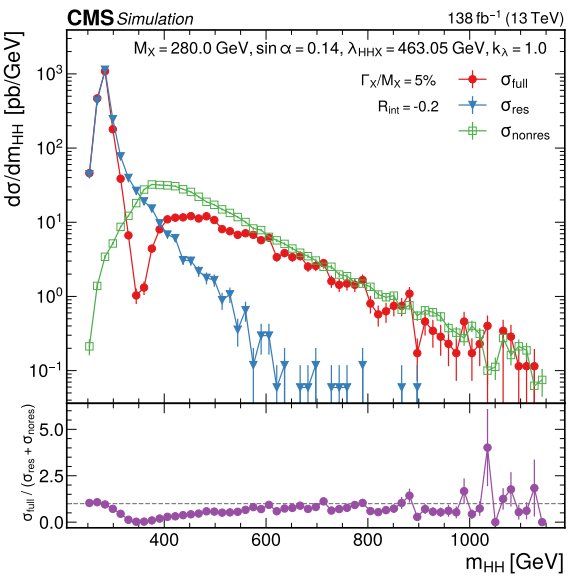
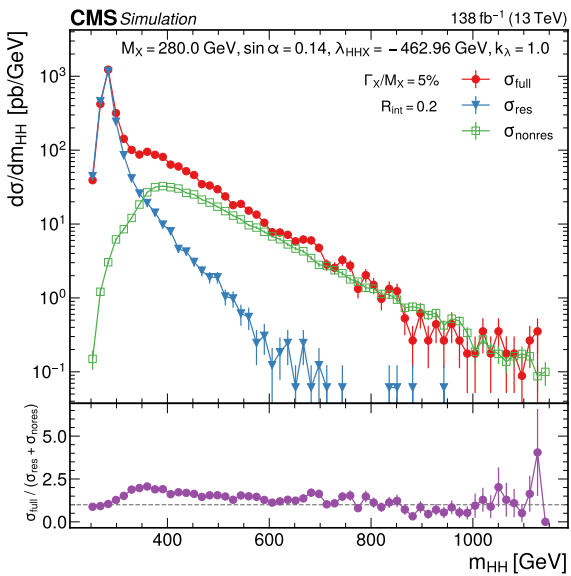

CMS Simulation
138 fb^{-1} (13 TeV)
M_X = 280.0 GeV, sin α = 0.29, λ_{HHX} = 456.08 GeV, k_λ = 1.0
Γ_X/M_X = 5%
R_{int} = -0.1
σ_{full}
σ_{res}
σ_{nonres}
$d\sigma/dm_{HH}$ [pb/GeV]
$\sigma_{full}/(\sigma_{res}+\sigma_{nores})$
m_{HH} [GeV]


CMS Simulation
138 fb^{-1} (13 TeV)
M_X = 280.0 GeV, sin α = 0.29, λ_{HHX} = −456.29 GeV, k_λ = 1.0
Γ_X/M_X = 5%
R_{int} = 0.1
σ_{full}
σ_{res}
σ_{nonres}
$d\sigma/dm_{HH}$ [pb/GeV]
$\sigma_{full}/(\sigma_{res}+\sigma_{nores})$
m_{HH} [GeV]


CMS Simulation
138 fb^{-1} (13 TeV)
M_X = 280.0 GeV, sin α = 0.14, λ_{HHX} = 463.05 GeV, k_λ = 1.0
Γ_X/M_X = 5%
R_{int} = -0.2
σ_{full}
σ_{res}
σ_{nonres}
$d\sigma/dm_{HH}$ [pb/GeV]
$\sigma_{full}/(\sigma_{res}+\sigma_{nores})$
m_{HH} [GeV]


CMS Simulation
138 fb^{-1} (13 TeV)
M_X = 280.0 GeV, sin α = 0.14, λ_{HHX} = −462.96 GeV, k_λ = 1.0
Γ_X/M_X = 5%
R_{int} = 0.2
σ_{full}
σ_{res}
σ_{nonres}
$d\sigma/dm_{HH}$ [pb/GeV]
$\sigma_{full}/(\sigma_{res}+\sigma_{nores})$
m_{HH} [GeV]