







$H \rightarrow \gamma\gamma$

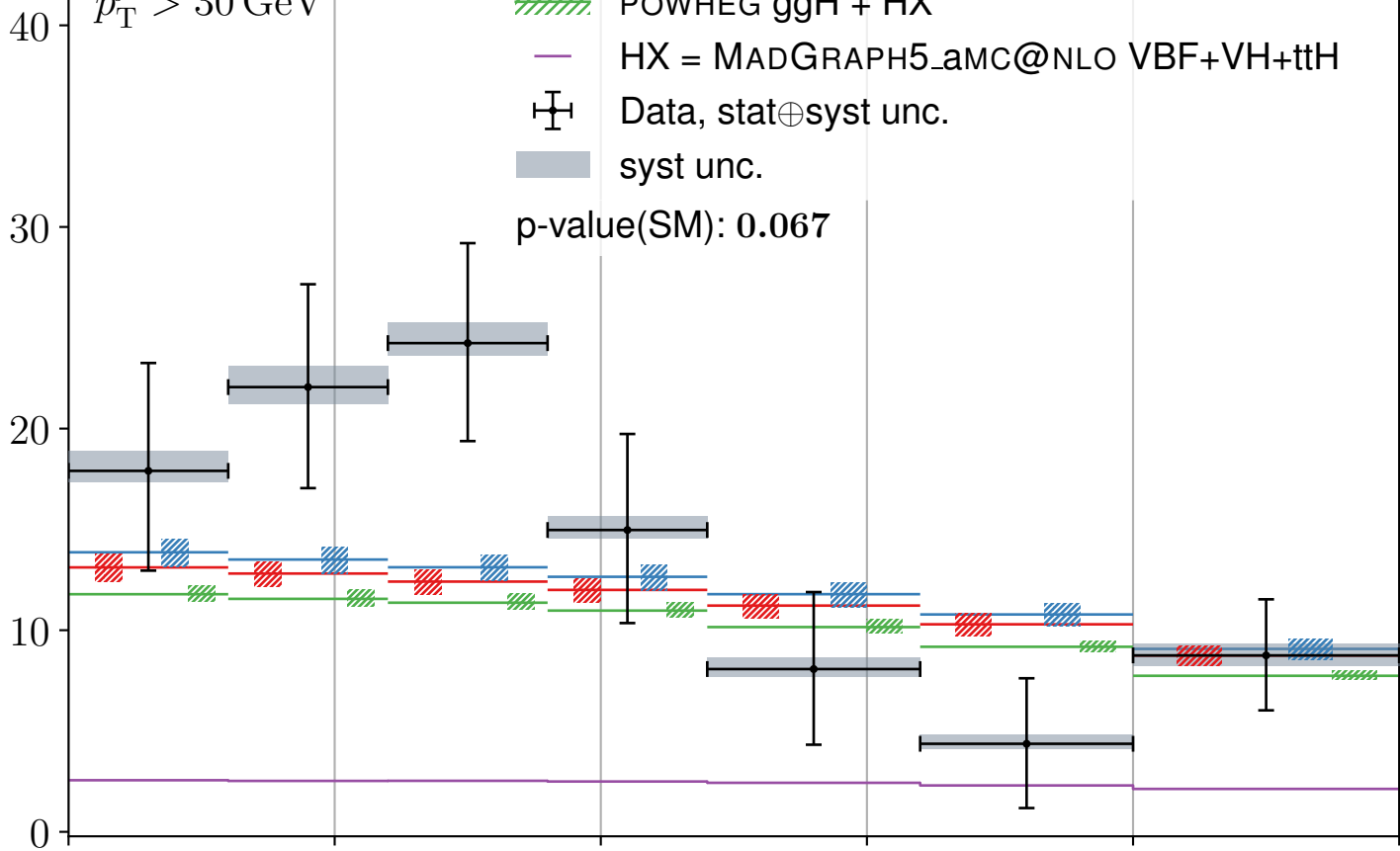
$|\eta^{j_1}| < 2.5$

$p_T^{j_1} > 30 \text{ GeV}$

-  MADGRAPH5_aMC@NLO, NNLOPS ggH + HX
-  MADGRAPH5_aMC@NLO ggH + HX
-  POWHEG ggH + HX
-  HX = MADGRAPH5_aMC@NLO VBF+VH+ttH
-  Data, stat ⊕ syst unc.
-  syst unc.

p-value(SM): 0.067

$\Delta\sigma_{fid}/\Delta|y^{j_1}| \text{ (fb)}$



Ratio to prediction

