







$\text{H} \rightarrow \gamma\gamma$

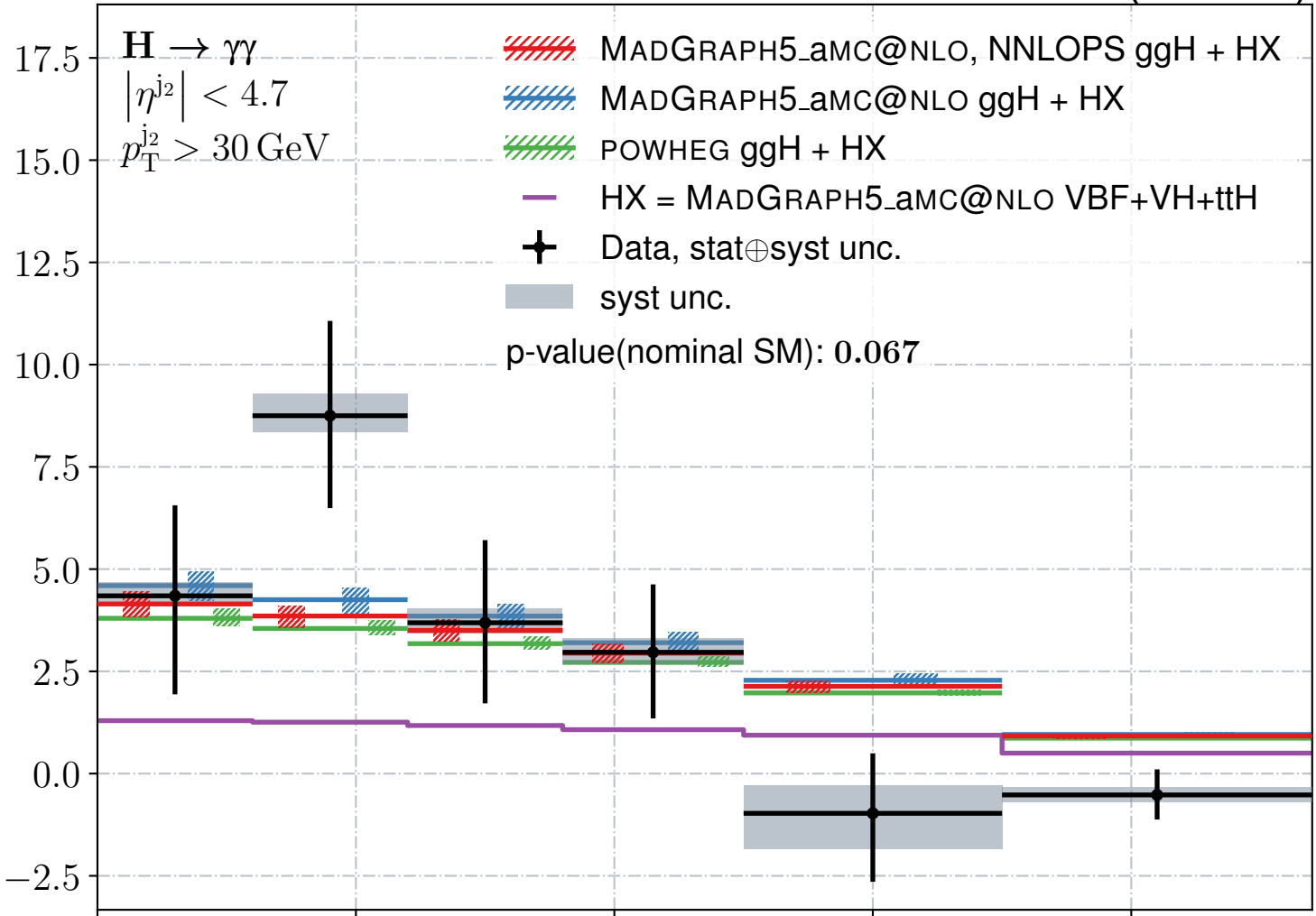
$|\eta^{j2}| < 4.7$

$p_{\text{T}}^{j2} > 30 \text{ GeV}$

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

p-value(nominal SM): 0.067

$\Delta\sigma_{\text{fid}}/\Delta|y^{j2}| \text{ (fb)}$



Ratio to prediction

