





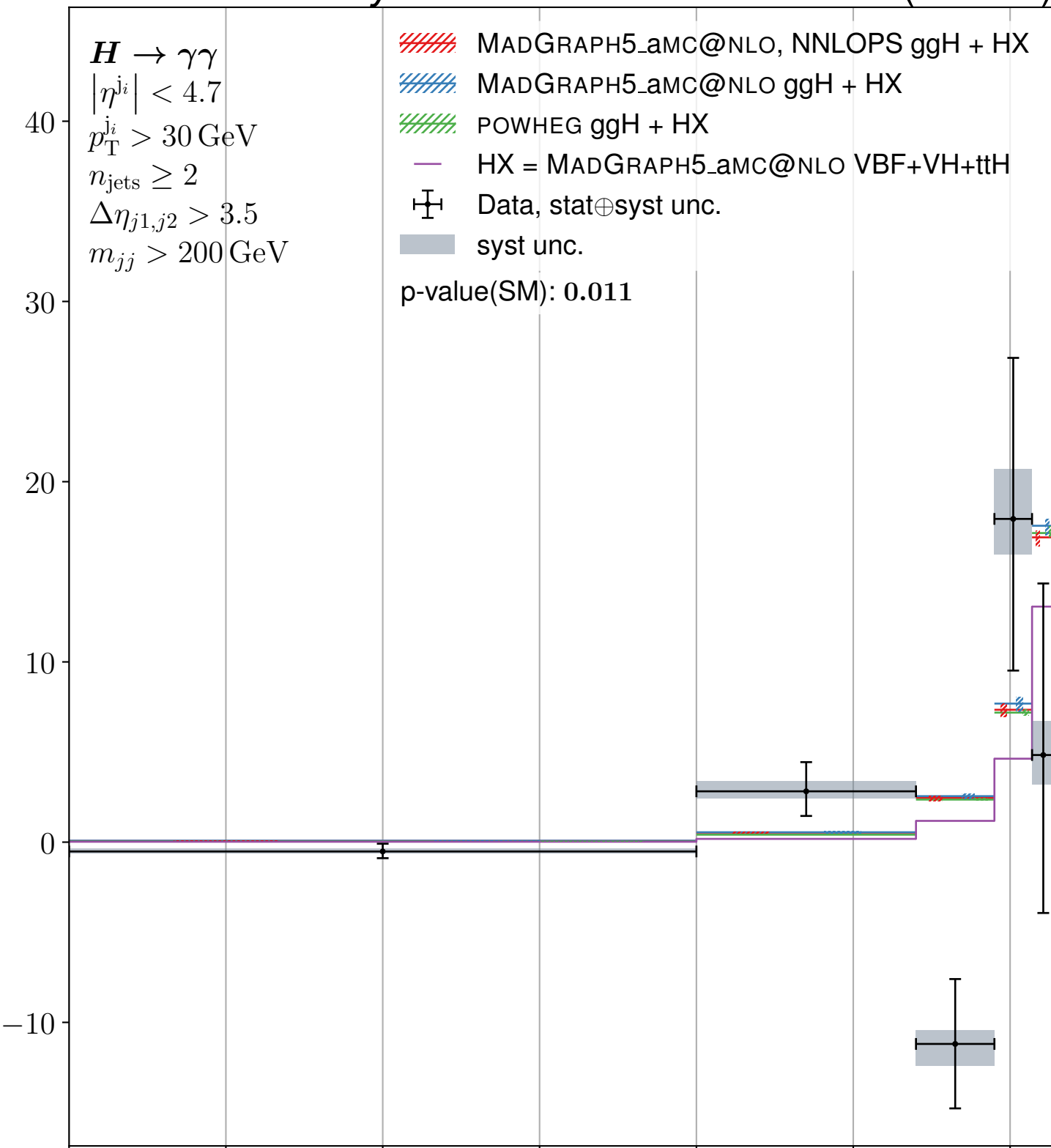


$H \rightarrow \gamma\gamma$   
 $|\eta^{j_i}| < 4.7$   
 $p_T^{j_i} > 30 \text{ GeV}$   
 $n_{\text{jets}} \geq 2$   
 $\Delta\eta_{j_1, j_2} > 3.5$   
 $m_{jj} > 200 \text{ GeV}$

-  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(SM): 0.011

$\Delta\sigma_{fid} / \Delta|\Delta\phi_{\gamma\gamma, j_1 j_2}| \text{ (fb)}$



Ratio to prediction

