

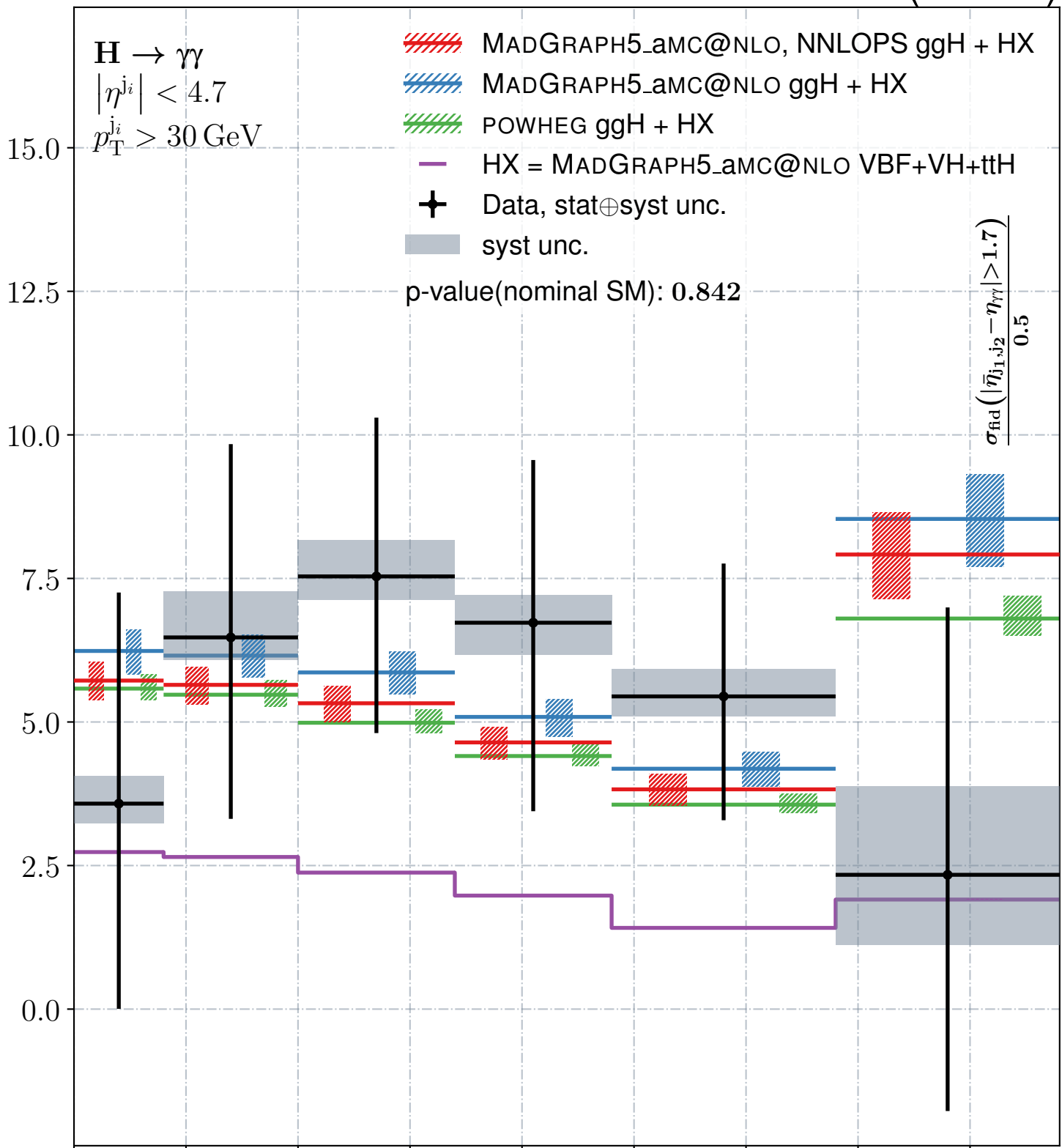
H → γγ  
 $|\eta^{j_2}| < 4.7$   
 $p_T^{j_1} > 30$  GeV

- 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.

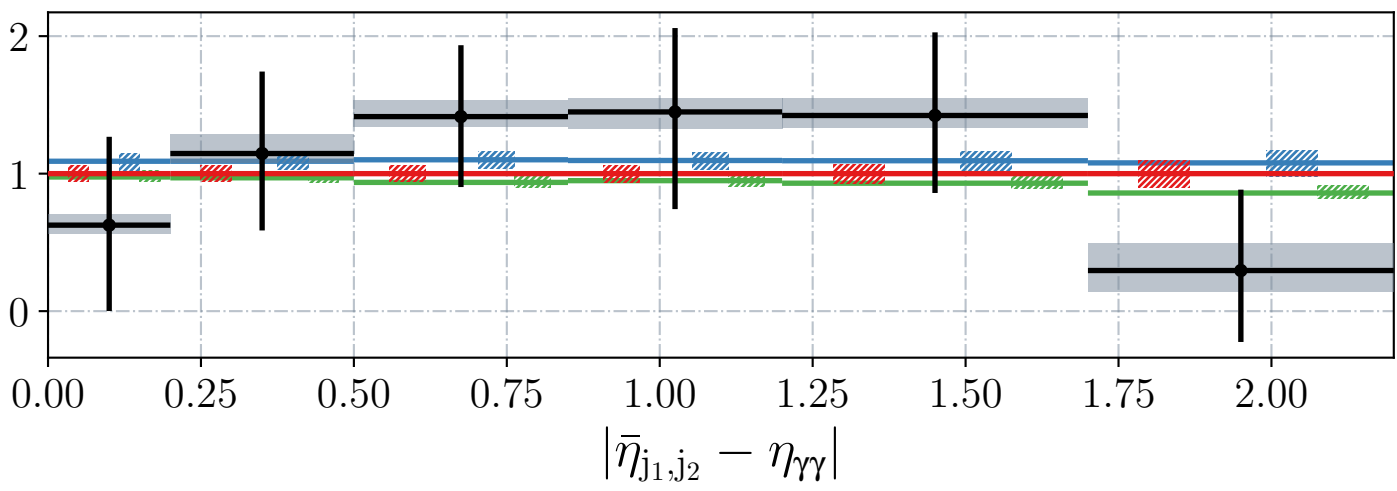
p-value(nominal SM): 0.842

$\sigma_{\text{fid}}(|\bar{\eta}_{j_1, j_2} - \eta_{\gamma\gamma}| > 1.7)$   
 0.5

$\Delta\sigma_{\text{fid}} / \Delta|\bar{\eta}_{j_1, j_2} - \eta_{\gamma\gamma}|$  (fb)



Ratio to prediction



$|\bar{\eta}_{j_1, j_2} - \eta_{\gamma\gamma}|$