CMS *Projection* (13 TeV)

$H \rightarrow \gamma\gamma$

fiducial volume :

$p_T^{gen}(\gamma_{1\,(2)}) > \frac{1}{3}(\frac{1}{4})\,m_{\gamma\gamma}$

$|\eta^{gen}(\gamma_{1,\,2})| < 2.5$

$Iso_{R=0.3}^{gen}(\gamma_{1,\,2}) < 10$ GeV

ECFA16 S1(+)

ECFA16 S2(+)

$\sigma_{fid}^{(300\ fb^{-1})}$

± 0.05 (stat.) ± 0.09 (exp.)
± 0.05 (stat.) ± 0.03 (exp.)

$\sigma_{fid}^{(3000\ fb^{-1})}$

± 0.02 (stat.) ± 0.09 (exp.)
± 0.02 (stat.) ± 0.03 (exp.)

Relative expected uncertainty (%)