CMS preliminary

\[ \sqrt{s} = 7 \text{ TeV} \ L = 1.66 \text{ fb}^{-1} \]

- Observed CLs Limit
- Observed Bayesian Limit
- Median Expected CLs Limit
- \( \pm 1\sigma \) Expected CLs
- \( \pm 2\sigma \) Expected CLs

\[ \sigma \times \text{BR}(H \rightarrow \gamma\gamma) \ (\text{pb}) \]

Graph showing the cross-section times branching ratio as a function of the Higgs mass, with observed and expected limits at 95% confidence level.