

H → γγ

fiducial volume :

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

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

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

- S2 (80% Vertex Efficiency)
- S2+ Optimistic (75% Vertex Efficiency)
- S2+ Intermediate (55% Vertex Efficiency)
- S2+ Pessimistic (40% Vertex Efficiency)

arbitrary units

S/(S+B)-weighted
signal models

