

Fiducial Acceptance (%)

2.93 5.81 5.99 5.39 4.58 4.11 3.51 5.79 6.26 5.41 3.43 2.14 1.38 1.37 0.80 0.72 0.48 0.14 0.06

$0.0 < p_T^{reco}(\text{GeV}) < 5.0$

$5.0 < p_T^{reco}(\text{GeV}) < 10.0$

$10.0 < p_T^{reco}(\text{GeV}) < 15.0$

$15.0 < p_T^{reco}(\text{GeV}) < 20.0$

$20.0 < p_T^{reco}(\text{GeV}) < 25.0$

$25.0 < p_T^{reco}(\text{GeV}) < 30.0$

$30.0 < p_T^{reco}(\text{GeV}) < 35.0$

$35.0 < p_T^{reco}(\text{GeV}) < 45.0$

$45.0 < p_T^{reco}(\text{GeV}) < 60.0$

$60.0 < p_T^{reco}(\text{GeV}) < 80.0$

$80.0 < p_T^{reco}(\text{GeV}) < 100.0$

$100.0 < p_T^{reco}(\text{GeV}) < 120.0$

$120.0 < p_T^{reco}(\text{GeV}) < 140.0$

$140.0 < p_T^{reco}(\text{GeV}) < 170.0$

$170.0 < p_T^{reco}(\text{GeV}) < 200.0$

$200.0 < p_T^{reco}(\text{GeV}) < 250.0$

$250.0 < p_T^{reco}(\text{GeV}) < 350.0$

$350.0 < p_T^{reco}(\text{GeV}) < 450.0$

$450.0 < p_T^{reco}(\text{GeV})$

MADGRAPH5_aMC@NLO,
NNLOPS

$0.0 < p_T^{gen}(\text{GeV}) < 5.0$

$5.0 < p_T^{gen}(\text{GeV}) < 10.0$

$10.0 < p_T^{gen}(\text{GeV}) < 15.0$

$15.0 < p_T^{gen}(\text{GeV}) < 20.0$

$20.0 < p_T^{gen}(\text{GeV}) < 25.0$

$25.0 < p_T^{gen}(\text{GeV}) < 30.0$

$30.0 < p_T^{gen}(\text{GeV}) < 35.0$

$35.0 < p_T^{gen}(\text{GeV}) < 45.0$

$45.0 < p_T^{gen}(\text{GeV}) < 60.0$

$60.0 < p_T^{gen}(\text{GeV}) < 80.0$

$80.0 < p_T^{gen}(\text{GeV}) < 100.0$

$100.0 < p_T^{gen}(\text{GeV}) < 120.0$

$120.0 < p_T^{gen}(\text{GeV}) < 140.0$

$140.0 < p_T^{gen}(\text{GeV}) < 170.0$

$170.0 < p_T^{gen}(\text{GeV}) < 200.0$

$200.0 < p_T^{gen}(\text{GeV}) < 250.0$

$250.0 < p_T^{gen}(\text{GeV}) < 350.0$

$350.0 < p_T^{gen}(\text{GeV}) < 450.0$

$450.0 < p_T^{gen}(\text{GeV})$

$H \rightarrow \gamma\gamma$

Signal Yield
 $\frac{\text{Signal Yield}}{\sigma(pp \rightarrow H+X) \text{BR}(H \rightarrow \gamma\gamma) \mathcal{L}_{\text{int}}} (\%)$

4.00

3.00

2.00

1.00

0.01