ATLAS Simulation Preliminary

$\gamma \gamma$

Interference real component after detector smearing

$p_{T_{\gamma\gamma}} < 30$ GeV

$\Gamma_H = 1 \times \Gamma_{H,SM}$

$\Gamma_H = 10 \times \Gamma_{H,SM}$

$\Gamma_H = 100 \times \Gamma_{H,SM}$

$\Gamma_H = 1000 \times \Gamma_{H,SM}$