

**CMS** Simulation Supplementary

(f)

 $pp \rightarrow \tilde{g} \tilde{g}, \tilde{g} \rightarrow q \bar{q} \tilde{\chi}_2^0, \tilde{\chi}_2^0 \rightarrow H \tilde{\chi}_1^0$  $m(\tilde{\chi}_2^0) = m(\tilde{g}) - 50 \text{ GeV}, m(\tilde{\chi}_1^0) = 1 \text{ GeV}$ 