

**CMS Simulation Supplementary**

(d)

$$pp \rightarrow \tilde{\chi}_i^{0,\pm} \tilde{\chi}_j^{0,\mp} \rightarrow \tilde{\chi}_1^0 \tilde{\chi}_1^0 + X_{\text{soft}} \rightarrow HH\tilde{G}\tilde{G} + X_{\text{soft}}$$

$$m(\tilde{\chi}_2^0) = m(\tilde{\chi}_1^\pm) = m(\tilde{\chi}_1^0), m(\tilde{G}) = 1 \text{ GeV}$$

