ATLAS Internal 13 TeV Simulation $\rightarrow \widetilde{q} \widetilde{q} \rightarrow (q \widetilde{\chi})(q \widetilde{\chi})$ 0.05 0.04 0.03 $m_{\tilde{q}} = 1400, \, m_{\tilde{y}} = 0$ 0.02 $m_{\widetilde{q}} = 1000, \, m_{\widetilde{\gamma}} = 200 \, \, \mathrm{GeV}$ $m_{\widetilde{q}} = 800, \, m_{\widetilde{\gamma}} = 200 \, \text{GeV}$ 0.01 $m_{\tilde{q}} = 600$, $m_{\tilde{y}} = 400$ GeV 0.5 0.6 0.20.30.40.70.8

PP Visible Shape