The CMS collaboration presents a plot showing the 95% CL upper limit on the cross section for the production of the lightest neutralino $\tilde{\chi}_1^0$ in the framework of supersymmetry, using 19.5 fb$^{-1}$ of data at the LHC. The plot compares the observed and expected limits with theoretical predictions. The process studied is $pp \rightarrow \tilde{g} \tilde{\chi}_1^0$, where the gluino $\tilde{g}$ decays to quark-antiquark pairs, and $\tilde{\chi}_1^0$ is the lightest neutralino. The plot includes NLO+NLL corrections and is consistent with the theoretical predictions within uncertainties.