

$pp \rightarrow \tilde{q}\tilde{q}, \tilde{q} \rightarrow q + \tilde{\chi}$

CMS $\sqrt{s} = 7 \text{ TeV}, L = 4.7 \text{ fb}^{-1}$

Razor inclusive

— Observed limit ($\sigma^{\text{prod}} = \sigma^{\text{NLO-NLL}}$)

- - Observed limit $\pm 1 \sigma$ (th.)

— Median expected limit

- - Expected limit $\pm 1 \sigma$ (exp.)

$m_{\tilde{\chi}}$ [GeV]

1000

800

600

400

200

200

400

$m_{\tilde{q}}$ [GeV]

600

800

1000

10^{-1}

10^{-2}

95% CL upper limit on σ (pb) (CL_s)

