

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

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

Razor inclusive  $\geq 1$  b-tag

— 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

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

400

600

800

1000

1200

1

$10^{-1}$

$10^{-2}$

95% CL upper limit on  $\sigma$  (pb) ( $CL_s$ )

