

20.5 fb⁻¹ (8 TeV)

CMS

m_H = 125 GeV/c²

$\sigma(H \rightarrow XX) B_{X \rightarrow \mu^+ \mu^-}$ [pb]

- Observed limits
- m_X = 20 GeV/c²
- m_X = 50 GeV/c²
- Expected limits (±1σ)
- m_X = 20 GeV/c²

10⁻²

10⁻³

10⁻⁴

10⁻³

10⁻²

10⁻¹

1

10

10²

10³

10⁴

10⁵

cτ [cm]

