

CMS*Simulation* $35.9 \text{ fb}^{-1} (13 \text{ TeV})$

Punzi Significance

- $m_{\chi_2} = 1 \text{ GeV}, c\tau = 1 \text{ mm}$
- $m_{\chi_2} = 50 \text{ GeV}, c\tau = 10 \text{ mm}$
- $m_{\chi_2} = 150 \text{ GeV}, c\tau = 1 \text{ mm}$

0.1
0.08
0.06
0.04
0.02
0

 $\alpha < 0.05$ $\alpha < 0.2$ $\alpha < 0.5$ $\alpha < 0.75$ α_{3D} 