

**CMS***Simulation*35.9 fb<sup>-1</sup> (13 TeV)

Punzi Significance

0.045  
0.04  
0.035  
0.03  
0.025  
0.02  
0.015  
0.01  
0.005  
0+  $m_{\chi_2} = 1 \text{ GeV}, c\tau = 1 \text{ mm}$ +  $m_{\chi_2} = 50 \text{ GeV}, c\tau = 10 \text{ mm}$ +  $m_{\chi_2} = 150 \text{ GeV}, c\tau = 1 \text{ mm}$  $\alpha < 0.05$  $\alpha < 0.2$  $\alpha < 0.5$  $\alpha < 0.75$  $\alpha_{3D}$ 