

CMS62.4 fb⁻¹ (13.6 TeV)**Dimuon: $l_{xy} \in [0, 0.2]$ cm, isolated, $p_T^{\mu\mu} < 25$ GeV** $H \rightarrow Z_D Z_D: m_{Z_D} = 5 \text{ GeV}, c\tau_0^{Z_D} = 1 \text{ cm}$  Scenario A: $m_{\tilde{\pi}_3} = 2 \text{ GeV}, m_{A'} = 0.67 \text{ GeV}, c\tau_0^{A'} = 1 \text{ cm}$  Scenario B1: $m_{\tilde{\pi}_3} = 5 \text{ GeV}, m_{A'} = 1.67 \text{ GeV}, c\tau_0^{\tilde{\pi}_3} = 1 \text{ cm}$  $h_b \rightarrow \phi X: m_\phi = 2 \text{ GeV}, c\tau_0^\phi = 1 \text{ cm}$  Data