

**CMS** *Internal*

Run 3 Cosmics


Monthly DM-induced muon rate

$$\varepsilon = 2.1\text{e-}08$$

$$\alpha_{\chi} = 0.245$$

**95% CL Upper Limits**

 **Expected Limit  $\pm 1\sigma, \pm 2\sigma$**

  $\sigma_{\text{th}}^{\text{LO}}(\text{A}' \rightarrow \mu\mu) \pm 1\sigma$

20.70 TeV

$m(\chi)$  [TeV]

