

Monthly DM-induced muon rate

 10^5 10^4 10^3 10^2

10

1

 $\varepsilon = 2.54\text{e-}07$ $\alpha_\chi = 0.245$ **95% CL Upper Limits****Expected Limit $\pm 1\sigma$, $\pm 2\sigma$**  $\sigma_{\text{th}}^{\text{LO}}(\text{A}' \rightarrow \mu\mu) \pm 1\sigma$

48.95 TeV

10

20

30

40

50

60

70

80

90

 $m(\chi)$ [TeV]