Atmospheric Dark Matter Flux $m_\chi = 0.01~{\rm GeV}$ $R(\pi^0 \to \gamma \chi \chi) = 10^{-6}, m_V = 0.01 \, \text{GeV}, m_\chi = 0.001 \, \text{GeV}$ $m_\chi = 0.1~{
m GeV}$ $m_\chi=1.0~{\rm GeV}$ 10^{-6} DM Flux: KDE Fit DM Flux: $N_{\rm bins}=100$ 10^{-7} $T_{\chi} \mathrm{d} \phi_{\chi} / \mathrm{d} T_{\chi} \; [\mathrm{cm}^{-2} \, \mathrm{s}^{-1}]$ 10^{-8} 10^{-9} 10^{-10} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} T_{χ} [GeV]