$\mathcal{O}_8$ & =  $\vec{S}_{\chi} \cdot \vec{v}^{\perp}$ Xe-131, 500 GeV WIMP,  $c_7^n = 4.8E-4$ xe131gcn xe131jj55 pnism.xe131

 $E_{recoil}$  (keV)

10<sup>2</sup>

 $10^{1}$ 

10<sup>3</sup>

 $10^{-4}$ 

 $10^{-5}$ 

 $10^{-6}$ 

 $10^{-7}$ 

10-8

100

Events/MeV