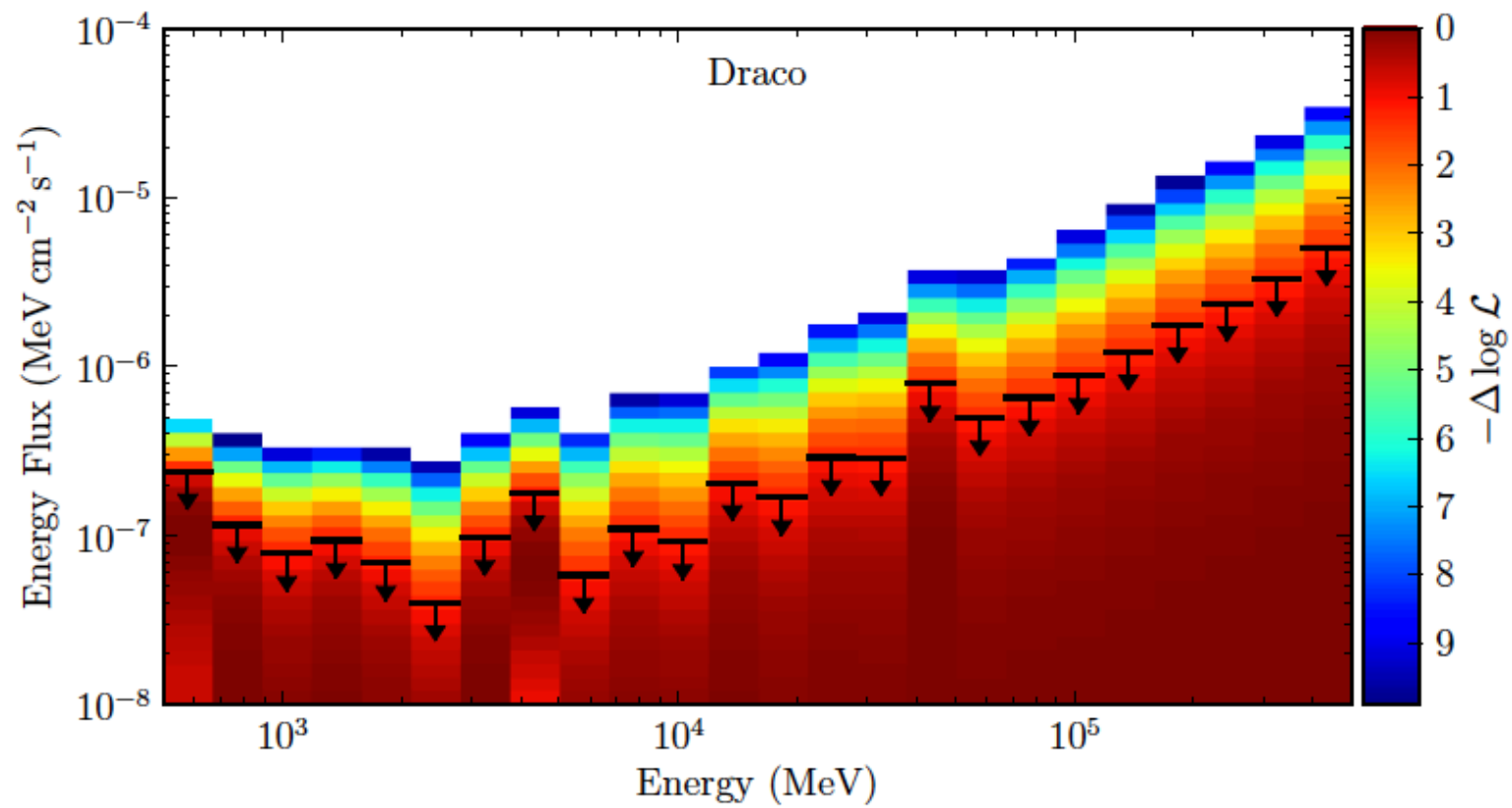


FIG. 1. Known dwarf spheroidal satellite galaxies of the Milky Way overlaid on a Hammer-Aitoff projection of a 4-year LAT counts map ($E > 1$ GeV). The 15 dwarf galaxies included in the combined analysis are shown as filled circles, while additional dwarf galaxies are shown as open circles.



$$\phi_s(\Delta\Omega) = \underbrace{\frac{1}{4\pi} \frac{\langle\sigma v\rangle}{2m_{\text{DM}}^2} \int_{E_{\text{min}}}^{E_{\text{max}}} \frac{dN_\gamma}{dE_\gamma} dE_\gamma}_{\Phi_{\text{PP}}} \cdot \underbrace{\int_{\Delta\Omega} \left\{ \int_{\text{l.o.s.}} \rho^2(\mathbf{r}) dl \right\} d\Omega'}_{\text{J-factor}} .$$

