

Dark Matter Halo Flux:

(Using Zhao Halo Density Profile: <http://arxiv.org/pdf/1201.4728v1.pdf>)

$$\frac{d\Phi}{dEd\Omega} = \frac{\langle\sigma v\rangle}{8\pi m_\chi^2} \rho_s^2 * \frac{dN}{dE} * \int_{l=0}^{\infty} \left(\frac{\sqrt{l^2 + d^2 - 2ld\cos(\theta)}}{r_s} \right)^{-2\gamma} \left(1 + \left(\frac{\sqrt{l^2 + d^2 - 2ld\cos(\theta)}}{r_s} \right)^\alpha \right)^{-\frac{2(\beta-\gamma)}{\alpha}} dl$$



GModelSpatial::eval() must return units of sr⁻¹

GModelSpectral::eval() must return units of cm⁻² s⁻¹ MeV⁻¹

No way to split up $\frac{d\Phi}{dEd\Omega}$ calculations into GModelSpectral/Spatial::eval() functions?

Can't split up flux equation, need whole new GModelDMHalo, rather than trying to split up $\frac{d\Phi}{dEd\Omega}$ into spectral/spatial components.