gamLike

C++ library with simple interface to most relevant likelihood functions from Fermi LAT and IACTs

Particle physics input:

$$\frac{1}{m_\chi^2} \frac{d\sigma v}{dE}(v, E)$$

Output: lnL

Uncertainties in the DM distribution (or astrophysical foregrounds) are internally marginalized over.

Correct treatment of energy dispersion and spectral singularities (lines, virtual internal Bremsstrahlung, boxes).

GCE

dSph

lines

H.E.S.S. GC

projected CTA GC