

Extragalactic Diffuse Emission and an Unresolved Blazar Component

- Ingredients needed for Blazar simulation (Tosti, McEnery, Giommi, Chiang):
 - Luminosity Function
 - Evolution
 - Spectral model(s)
 - Variability
 - EBL attenuation
 - Software infrastructure

At least one or two implementations of each of these components exists in a format ready for use in simulations for DC2.

- Other source classes:
 - Misaligned radio galaxies (Dermer, Pohl)
 - Ordinary galaxies (?)
 - Galaxy clusters (Petrosian)
 - Starburst galaxies (Torres)

These were proposed as source populations that may be worth investigating as contributors to the EG diffuse. The various individuals were identified as experts to consult regarding the relevance and implementation of these as candidate source classes.

- Data Analysis – ascertaining the truly diffuse component
 - Can we find a better method than what was employed for EGRET?
 - Understanding the instrumental background
 - Strategies for minimizing albedo contribution, e.g., via stringent zenith angle cuts (trade studies required)