

Hi All,

I don't have any slides prepared, but I would like to throw out the following as a topic for the 2-2:30 discussion:

For image reconstruction of GLAST data, we (think we) have a good idea of what the underlying structures will be on the various scales of interest. For the dominant component, the much higher resolution radio observations of the gas content of the Galaxy drive our models for the spatial distribution of interstellar gamma-ray emission.

Q: Can we use these models to determine or constrain the multiscale priors, the  $\alpha_k$ 's, in a Nowak & Kolaczyk or EMC2 reconstruction?

For example, we might use a Haar wavelet decomposition of the GALPROP interstellar diffuse model to set the  $\alpha_k$ 's at each level of resolution. However, it is not clear how to translate the wavelet coefficients to the prior parameter values.

-Jim