

## Minutes of the Blazar Working Group Meeting, November 15 2005

**Attendees:** R. Cameron, J. Carson, S. Ciprini, J. Chiang, W. Collmar, C. Dermer, S. Germani, P. Giommi, B. Lott, G. Madejski, A. Reimer, L. Reyes, R. Romani, G. Tosti.

The presentation slides are posted at:

[http://www.cenbg.in2p3.fr/ftp/astropart/glast/agn\\_group/meeting\\_page.htm](http://www.cenbg.in2p3.fr/ftp/astropart/glast/agn_group/meeting_page.htm)

### 1. Updates on Science Goals

Greg Madejski and Anita Reimer have streamlined the science goals to remove the current redundancies. They are now articulated in the following way:

- "AGN as a population and the blazar phenomenon"
- "AGN as a tool" (EBL-cosmology)
- "Physics of the gamma-ray emitting AGNs".

This new formulation of the goals is better suited to define common objectives while establishing MW observation plans.

**2. Plans for pre-launch MW observations** The possibility of submitting a common proposal for Suzaku was discussed. This would represent an excellent preparation for similar observations after launch. Greg Madejski is the lead in this regard.

**3. LAT analysis and simulation of AGN flares** James Chiang has presented some results on his time-dependent simulation of AGN flares, assuming a pure SSC model and the subsequent analysis in the framework of GLAST's Science Tools. The whole simulation analysis infrastructure is in now place and more complex models can be implemented. Multiwavelength observations can also be simulated.

**4. Update on EBL studies** Luis Reyes has simulated 6 month worth of data and has investigated the possibility of deducing the EBL density from the redshift dependence of the energy cutoff in the blazar spectra. Very promising results have been obtained. The next step will be to consider variable intrinsic energy cutoffs in the SEDs.

**5. Blazar spectrum fit with Root and Minuit** Stefano Germani and Gino Tosti have developed a root macro, allowing a SED to be fitted within the framework of a SSC model. This tool, that will be made available to the whole group, could be ready for DC2.

### 6. Next meeting

Next meeting will be held on November 29 at 9:00 AM PDT.