

Second Fermi LAT Catalog (2FGL) Plans

- **Work on the 2FGL Catalog has started, based on 24 months of data (vs. 11 months for 1FGL) and using a higher-resolution diffuse model.**
- **Improved Instrument Response Functions (IRFs) will have more accurate effective area values and better point spread function representation.**
- **Spatially extended sources as well as point sources will be included.**
- **Better spectral representations (not just power law) will be used.**
- **The criteria for including sources will be somewhat more conservative. There will be fewer sources with flags. There will not be a dramatic increase in the number of sources compared to 1FGL.**
- **A preliminary source list exists and is being studied. Iterations with the diffuse model and the event selections for the IRFs are in progress.**
- **The goal is to release the catalog well before the Fermi Symposium in May, 2011.**