

Development of Source Catalogs for the Fermi Large Area Telescope

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The Large Area Telescope (LAT) on the Fermi Gamma-ray Space Telescope has been surveying the sky since 2008, and a succession of general source catalogs based on deepening exposures and refinements of the analysis at all levels has been developed. The third general catalog of sources detected above 100 MeV, based on four years of LAT observations, is underway. In addition a catalog specifically of sources detected above 10 GeV recently has been released. The catalogs have been the basis of many follow-up studies. I will describe the approach for development of the catalogs, their properties, and refinements developed for the most recent, with particular emphasis on modeling the Galactic diffuse emission.

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