

easyFermi: a graphical interface for performing Fermi-LAT data analyses

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Since its launch in 2008, the Fermi Large Area Telescope (LAT) allowed us to investigate the extremely energetic side of the Universe with unprecedented sensitivity and resolution. The tools available for analyzing Fermi-LAT data are the Fermitools and Fermipy, both of which can be scripted in Python and run via command lines in a terminal or in web-based interactive computing platforms. In this talk, we present easyFermi, an open-source user-friendly graphical interface for performing basic to intermediate analyses of Fermi-LAT data in the framework of Fermipy. With easyFermi, the user can quickly measure the γ -ray flux and photon index, build spectral energy distributions, light curves, test statistic maps, test for extended emission and even relocalize the coordinates of γ -ray sources. The tutorials for easyFermi are available on YouTube and GitHub, allowing the user to learn how to use Fermi-LAT data in about 10 min.

Track

Analysis Techniques

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