

Fabio Cafardo & Rodrigo Nemmen (IAG-USP, Brazil): *Fermi-LAT Gamma-ray Telescope: Hands-on Activity*

The Fermi Gamma-ray Observatory has revolutionized our understanding of the high-energy universe. Over the last 10 years, the Fermi Large Area Telescope has been observing the entire sky from space every three hours in the 100 MeV to 500 GeV energy range. In this lab activity, We will give a short presentation highlighting the main results and importance of the Fermi Telescope—particularly for blazar and dark matter indirect searches. The talk will be followed by a hands-on tutorial where the students will get familiar with the analysis of space-based gamma-ray observations.

The students will need to download software and data to participate in this activity. Please [follow the instructions here](#).