Contribution ID: 46

Exploring multi-wavelength correlation between maps using TeV, X-ray and radio observations

This project focuses on analyzing Multi-Wavelength (MWL) data across different energy bands, including TeV, X-rays, and radio, to explore and quantify statistical correlations between different datasets. By utilizing advanced statistical tools and techniques, we aim to investigate the interdependencies and potential physical non-thermal processes linking the emissions observed at different wavelengths. The project will involve processing observational data, applying correlation methods, and evaluating the strength and significance of these relationships. This project offers hands-on experience in data analysis, statistical methods, and multi-wavelength astronomy, while fostering the development of critical research skills in the field of high-energy astrophysics.

Group

GAMMA

Project Category

C1. Astroparticle physics analysis and observations

Special Qualifications

DESY Site

Zeuthen

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