



Contribution ID: 343

Type: **Poster Presentation**

Multi-wavelength classification of unidentified AGN in the Fermi 2LAC catalogue

Tuesday, 8 July 2014 17:10 (1h 50m)

Abstract content
 (Max 300 words)

The observation and modelling of Active Galactic Nuclei (AGN) provides useful insight on the evolution of active galaxies and the mechanisms present in super massive black holes and jets. We are commencing with a long term campaign to identify and study possible counterparts to the unidentified sources in the Fermi-LAT 2LAC catalogue, through optical photometric and spectroscopic observations. The optical data will be obtained with telescopes such as the Boyden 1.5-m, SAAO 1.9-m telescope and SALT. The results of this campaign can then be used for the multi-wavelength follow-up studies of selected AGN counterparts in order to construct a radio to gamma-ray Spectral Energy Distribution (SED). The selection criteria of the candidate sources are briefly discussed along with the preliminary results obtained from observations to date.

Apply to be considered for a student award (Yes / No)?

yes

Level for award (Hons, MSc, PhD)?

MSc

Main supervisor (name and email) and his / her institution

Brian van Soelen vansoelenb@ufs.ac.za
University of the Free State

Would you like to submit a short paper for the Conference Proceedings (Yes / No)?

yes

Primary author: Ms KLINDT, Lizelke (University of the Free State)

Co-authors: Dr VAN SOELEN, Brian (University of the Free State); Prof. MEINTJES, Pieter (University of the Free State)

Presenter: Ms KLINDT, Lizelke (University of the Free State)

Session Classification: Poster1

Track Classification: Track D1 - Astrophysics