

Evangelia Tremou, Ph.D.

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Scientific Interests

- Radio observations and interferometric techniques are the main tools I use to carry out my research which focuses on the physics of compact objects and radio transients. I am interested in deep radio surveys that allow us to explore the time-variable radio sky (explosions, collisions, disruption events) and constraint the rates and the physical mechanisms that drive these events.

Employment History

- 2017 - today • **Research Associate.** CEA-Saclay and Université Paris VII (Paris Diderot), Gif-Sur-Yvette, France 
- 2015 – 2017 • **Research Associate.** Michigan State University MI, USA 
- 2012 – 2014 • **Research Associate.** Yonsei University Observatory, Seoul, S.Korea 

Education

- 2008 – 2011 • **Ph.D Physics, University of Cologne, Germany** 
Thesis title: *Spectroscopic studies on AGNs and High angular resolution in the NIR: The construction of an imaging beam combiner for the LBT*
- 2002 – 2007 • **B.Sc. Physics, Aristotle University Thessaloniki** 
Thesis title: *HII regions detection in Local Group Census*

Skills

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|----------------------|---|
| Languages | • Greek (native), English (professional working proficiency), German (elementary proficiency), Korean (beginner). |
| Astronomical Tools | • Virtual Observatory (VO) tools, AIPS, Difmap, CASA, DDFacet, WSClean, AOFlagger, GILDAS, SCHED, IRAF, Starlink, SExtractor, DAOPhot II, SBIG Photometry System, Maxim DL. |
| Programming | • Python, R language, IDL language for Visualization, Fortran, PHP, HTML, CSS, C-shell, AWK. |
| Databases | • MySQL, PostgreSQL, SQLite. |
| Graphics & Documents | • \LaTeX , Microsoft Office, Matplotlib, Mathematica, Matlab. |

Experience

- **Radio observations and data analysis.** Continuum data of MeerKAT, Very Large Array (VLA), Australia Telescope Compact Array (ATCA), Korean VLBI Network (KVN), VERA (VLBI Exploration of Radio Astrometry), IRAM 30m, Effelsberg Radio telescope 100 meters.
- **Optical observations and data analysis.** Photometry and spectroscopy with Southern Astrophysical Research Telescope (SOAR 4.1m), 1.2m telescope Kryonerion Astronomical Station of the National Observatory of Athens, ESO 1m Schmidt telescope, 24-inch telescope MSU Campus Observatory, 20cm refractor telescope of the University of Thessaloniki and several smaller scopes.
- **Infrared instrumentation.** LINC-NIRVANA - Near infrared imaging instrument for the Large Binocular Telescope (see PhD thesis for details).
- **Teaching.** I have taught classes of undergrad level such as: *Elements creation and nucleosynthesis, Computational astronomy, Observational astronomy*.
- **Mentoring.** Advisor of undergraduate thesis projects and co-advisor of several master and PhD students.

Publications

- Updated publication list at:  NASA ADS  Google Scholar  ORCID