




## Ioannis Liodakis

Postdoctoral Research Fellow, Physics

 Curriculum Vitae available Online

### Bio

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#### HONORS AND AWARDS

- Best Young Researcher's Award, University of Crete (across all disciplines) (July 2017)
- Best PhD Award, Hellenic Astronomical Society (March 2017)

#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, University Of Crete (2017)
- Master of Science, University Of Patras (2014)
- Bachelor of Science, University Of Patras (2012)

### Publications

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#### PUBLICATIONS

- **Using variability and VLBI to measure cosmological distances** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Hodgson, J. A., L'Huillier, B., Liodakis, I., Lee, S., Shafieloo, A.  
2020; 495 (1): L27–L31
- **Proton Synchrotron Gamma-Rays and the Energy Crisis in Blazars** *ASTROPHYSICAL JOURNAL LETTERS*  
Liodakis, I., Petropoulou, M.  
2020; 893 (1)
- **Prospects for Detecting X-Ray Polarization in Blazar Jets** *ASTROPHYSICAL JOURNAL*  
Liodakis, I., Peirson, A. L., Romani, R. W.  
2019; 880 (1)
- **Probing Blazar Emission Processes with Optical/Gamma-Ray Flare Correlations** *ASTROPHYSICAL JOURNAL*  
Liodakis, I., Romani, R. W., Filippenko, A., Kocevski, D., Zheng, W.  
2019; 880 (1)
- **Demonstration of Magnetic Field Tomography with Starlight Polarization toward a Diffuse Sightline of the ISM** *ASTROPHYSICAL JOURNAL*  
Panopoulou, G. V., Tassis, K., Skalidis, R., Blinov, D., Liodakis, I., Pavlidou, V., Potter, S. B., Ramaprakash, A. N., Readhead, A. S., Wehus, I. K.  
2019; 872 (1)
- **Constraining the Limiting Brightness Temperature and Doppler Factors for the Largest Sample of Radio-bright Blazars** *ASTROPHYSICAL JOURNAL*  
Liodakis, I., Hovatta, T., Huppenkothen, D., Kiehlmann, S., Max-Moerbeck, W., Readhead, A. S.  
2018; 866 (2)
- **Scale Invariant Jets: From Blazars to Microquasars** *ASTROPHYSICAL JOURNAL*  
Liodakis, I., Pavlidou, V., Papadakis, I., Angelakis, E., Marchili, N., Zensus, J. A., Fuhrmann, L., Karamanavis, V., Myserlis, I., Nestoras, I., Palaiologou, E., Readhead, A. S.

2017; 851 (2)

- **Optical polarization variations in the blazar PKS 1749+096** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Uemura, M., Itoh, R., Liodakis, I., Blinov, D., Nakayama, M., Xu, L., Sawada, N., Wu, H., Fujishiro, I.  
2017; 69 (6)
- **Synchrotron emission from the blazar PG 1553+113. An analysis of its flux and polarization variability** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Raiteri, C. M., Nicastro, F., Stamerra, A., Villata, M., Larionov, V. M., Blinov, D., Acosta-Pulido, J. A., Arevalo, M. J., Arkharov, A. A., Bachev, R., Borman, G. A., Carnerero, M. I., Carosati, et al  
2017; 466 (3): 3762-3774
- **Estimating the distribution of rest-frame time-scales for blazar jets: a statistical approach** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Liodakis, I., Blinov, D., Papadakis, I., Pavlidou, V.  
2017; 465 (4): 4783-4794
- **Detecting the elusive blazar counter-jets** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Liodakis, I., Pavlidou, V., Angelakis, E.  
2017; 465 (1): 180-191
- **RoboPol: the optical polarization of gamma-ray-loud and gamma-ray-quiet blazars** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Angelakis, E., Hovatta, T., Blinov, D., Pavlidou, V., Kiehlmann, S., Myserlis, I., Bottcher, M., Mao, P., Panopoulou, G. V., Liodakis, I., KING, O. G., Balokovic, M., Kus, et al  
2016; 463 (3): 3365-3380
- **Optical polarization of high-energy BL Lacertae objects** *ASTRONOMY & ASTROPHYSICS*  
Hovatta, T., Lindfors, E., Blinov, D., Pavlidou, V., NILSSON, K., Kiehlmann, S., Angelakis, E., Ramazani, V. F., Liodakis, I., Myserlis, I., Panopoulou, G. V., Pursimo, T.  
2016; 596
- **RoboPol: do optical polarization rotations occur in all blazars?** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Blinov, D., Pavlidou, V., Papadakis, I., Kiehlmann, S., Liodakis, I., Panopoulou, G. V., Pearson, T. J., Angelakis, E., Balokovic, M., Hovatta, T., Joshi, V., KING, O. G., Kus, et al  
2016; 462 (2): 1775-1785
- **RoboPol: optical polarization-plane rotations and flaring activity in blazars** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Blinov, D., Pavlidou, V., Papadakis, I. E., Hovatta, T., Pearson, T. J., Liodakis, I., Panopoulou, G. V., Angelakis, E., Balokovic, M., Das, H., Khodade, P., Kiehlmann, S., KING, et al  
2016; 457 (2): 2252-2262
- **Population statistics of beamed sources - II. Evaluation of Doppler factor estimates** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Liodakis, I., Pavlidou, V.  
2015; 454 (2): 1767-1777
- **RoboPol: first season rotations of optical polarization plane in blazars** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Blinov, D., Pavlidou, V., Papadakis, I., Kiehlmann, S., Panopoulou, G., Liodakis, I., KING, O. G., Angelakis, E., Balokovic, M., Das, H., FEILER, R., Fuhrmann, L., Hovatta, et al  
2015; 453 (2): 1669-1683
- **Optical polarization map of the Polaris Flare with RoboPol** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Panopoulou, G., Tassis, K., Blinov, D., Pavlidou, V., KING, O. G., Paleologou, E., Ramaprakash, A., Angelakis, E., Balokovic, M., Das, H. K., FEILER, R., Hovatta, T., Khodade, et al  
2015; 452 (1): 715-726
- **Population statistics of beamed sources - I. A new model for blazars** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Liodakis, I., Pavlidou, V.  
2015; 451 (3): 2434-2446