

Stanford



Peter Michelson

Senior Associate Dean for the Natural Sciences and the Luke Blossom Professor in the School of Humanities and Sciences

Physics

Bio

ACADEMIC APPOINTMENTS

- Professor, Physics

Teaching

COURSES

2019-20

- Thinking About the Universe: What do we know? How do we know it?: THINK 45 (Win)

2018-19

- Introduction to Cosmology and Extragalactic Astrophysics: PHYSICS 161, PHYSICS 261 (Spr)
- Thinking About the Universe: What do we know? How do we know it?: THINK 45 (Spr)

2017-18

- Classical Mechanics Laboratory: PHYSICS 42 (Win)
- Frontiers of Physics Research: PHYSICS 59 (Aut)
- Introduction to Cosmology and Extragalactic Astrophysics: PHYSICS 161, PHYSICS 261 (Spr)
- Thinking About the Universe: What do we know? How do we know it?: THINK 45 (Spr)

2016-17

- Frontiers of Physics Research: PHYSICS 59 (Aut)
- Introduction to Cosmology and Extragalactic Astrophysics: PHYSICS 161, PHYSICS 261 (Spr)
- Thinking About the Universe: What do we know? How do we know it?: THINK 45 (Spr)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Niccolo Di Lalla

Publications

PUBLICATIONS

- **Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A** *SCIENCE*
Aartsen, M. G., Ackermann, M., Adams, J., Aguilar, J. A., Ahlers, M., Ahrens, M., Al Samarai, I., Altmann, D., Andeen, K., Anderson, T., Anseau, I., Anton, G., Argüelles, et al

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- **Einstein@Home discovers a radio-quiet gamma-ray millisecond pulsar** *SCIENCE ADVANCES*
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- **SPECTROSCOPY OF THE LARGEST EVER gamma-RAY-SELECTED BL LAC SAMPLE** *ASTROPHYSICAL JOURNAL*
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Shaw, M. S., Romani, R. W., Cotter, G., Healey, S. E., Michelson, P. F., Readhead, A. C., Richards, J. L., Max-Moerbeck, W., King, O. G., Potter, W. J.
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McEnergy, J. E., Michelson, P. F., Paciesas, W. S., Ritz, S.
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- **THE LARGE AREA TELESCOPE ON THE FERMI GAMMA-RAY SPACE TELESCOPE MISSION** *ASTROPHYSICAL JOURNAL*
Atwood, W. B., Abdo, A. A., Ackermann, M., Althouse, W., Anderson, B., Axelsson, M., Baldini, L., Ballet, J., Band, D. L., Barbiellini, G., Bartelt, J., Bastieri, D.,
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2009; 697 (2): 1071-1102
- **A celestial gamma-ray foreground due to the albedo of small solar system bodies and a remote probe of the interstellar cosmic-ray spectrum** *ASTROPHYSICAL JOURNAL*
Moskalenko, I. V., Porter, T. A., Digel, S. W., Michelson, P. F.
2008; 681 (2): 1708-1716
- **CGRaBS: An all-sky survey of gamma-ray blazar candidates** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Healey, S. E., Romani, R. W., Cotter, G., Michelson, P. F., Schlafly, E. F., Readhead, A. C., Giommi, P., Chaty, S., Grenier, I. A., Weintraub, L. C.
2008; 175 (1): 97-104
- **Window on the extreme universe** *SCIENTIFIC AMERICAN*
Atwood, W. B., Michelson, P. F., Ritz, S.
2007; 297 (6): 54-61
- **The VLBA imaging and polarimetry survey at 5 GHz** *ASTROPHYSICAL JOURNAL*
Helmboldt, J. F., Taylor, G. B., Tremblay, S., Fassnacht, C. D., Walker, R. C., Myers, S. T., Sjouwerman, L. O., Pearson, T. J., Readhead, A. C., WEINTRAUB, L.,
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- **The large area telescope 1st GLAST Symposium**
Michelson, P. F.
AMER INST PHYSICS.2007: 8-12
- **GLAST large area telescope multiwavelength planning** *Conference on the Multi-Messenger Approach to High Energy Gamma-Ray Sources/3rd Workshop of the Nature of Unidentified High-Energy Sources*
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- **Phase-dependent spectral variability in 4U 1907+09** *ASTROPHYSICAL JOURNAL*
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- **SPHERICAL RESONANT-MASS GRAVITATIONAL-WAVE DETECTORS** *PHYSICAL REVIEW D*
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- **THE LUMINOSITY FUNCTION OF EGRET-DETECTED GAMMA-RAY LOUD ACTIVE GALACTIC NUCLEI** *2nd Compton Symposium*
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- **THE UNIDENTIFIED GAMMA-RAY SOURCE GRO J1837+59** *2nd Compton Symposium*
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