

Michael M. Fausnaugh

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Education

2012–2017

The Ohio State University, Columbus, OH

Advisor: Prof. Bradley Peterson

Ph.D., Astronomy, Summer 2017 (expected)

M.S., Astronomy, December 2014

Honors/awards:

- Presidential Fellow, 2016-2017

2011–2012

Adler Planetarium, Chicago, IL

γ -ray Astronomy Research Assistant, VERITAS Telescope Array

ARIEL Internship, awarded and funded by St. John's College

2007–2011

St. John's College, Santa Fe, NM

B.A., History of Math and Science, Philosophy, May 2011

Honors/awards:

- Sustained Academic Excellence, May 2011
- ARIEL Internship, Summer 2011

Publication

Summary

First Author:

- Four papers accepted or submitted (32 citations).
- Fifth paper distributed to co-authors, expected submission late 2016.

Contributing Author:

- 21 papers total (201 citations), 8 minor publications.

Invited

Seminars

1. (*Upcoming*, 2016 November 29) “Reverberation Mapping of AGN Accretion Disks”. Galaxy and Cosmology Seminar, Institute for Theory and Computation, Harvard-Smithsonian Center for Astrophysics. Cambridge, Massachusetts.

Presentations/ Conferences

1. **Contributed talk.** (*Upcoming*, 2017 January) Meeting of the American Astronomical Society #229. Grapevine, Texas.

2. 2016 July. AGN STORM Workshop. Reykjavik, Iceland.

3. **Contributed talk.** 2016 June 21: Center for Cosmology and Astroparticle Physics Seminar Series, The Ohio State University. Columbus, Ohio.

4. **Contributed talk.** 2016 May 2: Great Lakes Quasar Symposium, Western University. London, Ontario.

5. **Contributed talk.** 2016 April 11: Accretion Disk Research Group Meeting, Harvard-Smithsonian Center for Astrophysics. Cambridge, Massachusetts.
6. **Contributed talk.** 2016 April 1: Quasar Research Group Meeting, Harvard-Smithsonian Center for Astrophysics. Cambridge, Massachusetts.
7. **Contributed talk.** 2016 March 25: AGN Research Group Meeting. Space Telescope and Science Institute. Baltimore, Maryland.
8. **Contributed talk.** 2015 July: AGN STORM Workshop. Columbus, Ohio.
9. **Contributed talk.** 2015 January: Meeting of the American Astronomical Society #225. Seattle, Washington.
10. 2014 July: AGN Research Retreat. University of St. Andrews. St. Andrews, Scotland.
11. **Contributed talk.** 2014 May: Catolica Workshop. The Ohio State University. Columbus, Ohio.
12. 2013 July: Spitz Summer Institute, planetarium workshop/training. Spitz Inc. Chadds Ford, Pennsylvania.

**Observing
Experience**

Total:	113 nights	(75 queue, 38 classical)
Large Binocular Telescope:	48 nights	2013-2016
MDM 2.4m Hiltner:	24 nights	2012-2015
MDM 1.3m McGraw:	18 nights	2013-2014
CTIO SMARTS 1.3m:	16 nights	2015
VERITAS (γ -ray observatory):	7 nights	2011

**Teaching
Experience**

Graduate Teaching Associate, The Ohio State University:

Graded exams, designed/hosted review sessions.

- Autumn 2012: Astro 2291, Intro to Astronomy and Planets (calculus-based).
- Spring 2013: Astro 1161, Intro to Astronomy and the Solar System.

**Selected
Outreach**

OSU Planetarium: Developed/wrote all or part the following shows:

- 2013: *OSU Planetarium Grand Reopening, The Sky Tonight.*
- 2014: *Journey through the Solar System.*
- 2015: *The Autumn Sky: Hidden Treasures.*

Presented 2-4 planetarium shows per month (Over 100 shows from 2013-2016).

Wickliffe Elementary Space Day (2013 January 18).

Bailey Elementary Astronomy mini-course (2013 March 15).

4-H Science Saturday (2013 April 6).

Blendon Middle School Career Day (2013 May 14).

Hosted a high school student for 1 day (2014 May 28).

Upper Arlington Library Summer Astronomy Series (June 2014, 2015, 2016).