

## Jonathan Cohn

### Mailing Address

Texas A&M University  
Department of Physics & Astronomy  
4242 TAMU  
College Station, TX 77843-4242

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### Office

The Mitchell Institute for  
Fundamental Physics and  
Astronomy — (MIST) 313  
Office Hours: by appointment

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## EDUCATION

### Ph.D., Astronomy

2022 (expected)

Texas A&M University  
Department of Physics and Astronomy  
4242 TAMU  
College Station, TX 77843-4242  
Advisor: Dr. Jonelle Walsh

### M.S., Astronomy

2019 (expected)

Texas A&M University  
Department of Physics and Astronomy  
4242 TAMU  
College Station, TX 77843-4242  
Advisor: Dr. Kim-Vy Tran

### B.S., Physics, *Magna Cum Laude*

May 2016

The University of Texas at Dallas  
800 W Campbell Rd  
Richardson, TX 75080  
Advisors: Dr. Michael Kesden, Dr. Lindsay King

## EXPERIENCE

### Research Assistant

Texas A&M University, Department of Physics and Astronomy  
Texas A&M University, Department of Physics and Astronomy

Summer 2018  
Summer 2017

### Observations for MASSIVE survey

2.7m telescope, VIRUS-P, McDonald Observatory, Fort Davis, Texas

9 Apr – 12 Apr, 2018

### Other observations

2.7m telescope, VIRUS-W, McDonald Observatory, Fort Davis, Texas

13 Apr, 2018

### Teaching Assistant — Instructor of Record

Astronomy 102: Observational Astronomy, Texas A&M University

Summer 2017 – Spring 2018

### Teaching Assistant

Astronomy 101: Basic Astronomy, Texas A&M University  
Weather & Climate, The University of Texas at Dallas

Fall 2016 – Spring 2017, Fall 2018  
Fall 2015 – Spring 2016

### Undergraduate Research Assistant

**Peer-led Team Learning Leader**

Super Leader, General Chemistry I &amp; II

Fall 2015 – Spring 2016

General Chemistry I &amp; II, The University of Texas at Dallas

Fall 2013 – Spring 2016

**AWARDS**

Undergraduate Research Award

2014 – 2015

The University of Texas at Dallas

STEM Columbia Crew Memorial Scholarship

2014 – 2015

Texas Space Grant Consortium

Academic Excellence Scholarship, Honors

2012 – 2016

The University of Texas at Dallas

**PUBLICATIONS**

- ZFOURGE: *Extreme 5007Å emission may be a common early-lifetime phase for star-forming galaxies at  $z > 2.5$*   
J. H. Cohn, J. Leja, K-v. H. Tran, and 12 additional authors  
Accepted for publication in The Astrophysical Journal (arXiv:1811.00025)
- ZFOURGE: *Using Composite Spectral Energy Distributions to Characterize Galaxy Populations at  $1 < z < 4$*   
B. Forrest, K-v.H. Tran, A. Broussard, J.H. Cohn, and 11 additional authors  
Accepted for publication in The Astrophysical Journal (arXiv:1807.03785)
- *Detecting binarity of GW150914-like lenses in gravitational microlensing events*  
D.H. Eilbott, A.H. Riley, J.H. Cohn, M.H. Kesden, L.J. King  
Monthly Notices of the Royal Astronomical Society Letters (2017), 467 (1)

**CONFERENCES AND PRESENTATIONS**

- Understanding emission-line galaxies for the next generation of cosmological surveys 5 Sept. 2018  
Talk: *ZFOURGE: Extreme 5007 Å emission may be a common early-lifetime phase for star-forming galaxies at  $z > 2.5$*   
Centro de Estudios de Física del Cosmos de Aragón, Teruel, Spain
- 231<sup>st</sup> Meeting of the American Astronomical Society 9 Jan. 2018  
Talk: *Star Formation Histories of Extreme Emission Line Galaxies at  $z \sim 3.5$  in the ZFOURGE Survey*  
Washington, DC
- 2017 Frank N. Bash Symposium 23-25 Oct. 2017  
Poster: *Star Formation Histories of Extreme Emission Line Galaxies at  $z \sim 3.5$  in the ZFOURGE Survey*  
The University of Texas at Austin, Austin, TX
- Fall 2017 Joint Meeting of the Texas Section of the APS 20 Oct. 2017  
Talk: *Star Formation Histories of Extreme Emission Line Galaxies at  $z \sim 3.5$  in the ZFOURGE Survey*  
The University of Texas at Dallas, Richardson, TX

- 2017 Texas A&M Astronomy Symposium 25 Aug. 2017  
Talk: *Properties of Extreme Emission Line Galaxies in ZFOURGE from Prospector- $\alpha$*   
Texas A&M University, College Station, TX
- 2016 Texas A&M Astronomy Symposium 26 Aug. 2016  
Talk: *Detectability of GW150914-like events by gravitational microlensing*  
Texas A&M University, College Station, TX
- Fall 2015 Joint Meeting of the Texas Section of the APS 30 Oct. 2015  
Talk: *Gravitational microlensing by binary black holes*  
Baylor University, Waco, TX
- The University of Texas at Dallas Undergraduate Research Poster Competition 7 Apr. 2015  
Poster: *Gravitational microlensing by binary black holes*  
The University of Texas at Dallas, Richardson, TX

## MEMBERSHIPS

Sigma Pi Sigma Physics Honor Society

## OUTREACH

- Letters to a Pre-Scientist Fall 2018 — present  
Scientist pen-pal
- Astronomy on Tap BCS, invited speaker 11 Oct. 2018  
Talk: *Here Be ~~Dragons~~ Aliens: The Unsolved Equation*  
Bryan, TX
- Astronomy on Tap BCS, host Spring 2018 — present  
Bryan, TX
- Discover, Explore, and Enjoy Physics and Engineering Fall 2017 — present  
Texas A&M University, Department of Physics & Astronomy
- Texas A&M Physics & Engineering Festival 2017, 2018  
Texas A&M University, Department of Physics & Astronomy
- Public Star Parties Spring 2017  
Texas A&M University, Department of Physics & Astronomy
- Dallas Arboretum: Earth Day Apr. 2015  
UT Dallas Society of Physics Students
- Dallas Arboretum: The Joy of Science Apr. 2014  
UT Dallas Society of Physics Students
- UT Dallas Society of Physics Students, Secretary/Vice President Fall 2013 — Spring 2016  
The University of Texas at Dallas
- 27th Texas Symposium on Relativistic Astrophysics Dec. 2013  
The University of Texas at Dallas, Department of Physics

Alpha Phi Omega Math & Science Camp  
The University of Texas at Dallas, Department of Physics

Oct. 2013