REBECCA NEVIN

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EDUCATION	
Ph.D. in Astrophysics, University of Colorado	June, 2019
Doctoral Thesis supervised by Julie Comerford:	
"Kinematic Signatures of Galaxy Evolution: The Energetics of AGN	
Outflows and the Accurate Identification of Merging Galaxies"	
M.S. in Astrophysics, University of Colorado	Nov, 2015
B.A. in Astrophysics, Whitman College	May, 2013
FELLOWSHIPS & AWARDS	
SDSS Early Career Scientist Travel Fund	Mar, 2019
Early Career Scientist Decadal Survey Participant	Oct, 2018
PEO Scholar Award Alternate	Apr, 2018
3 Minute Thesis Competition - 2nd Place	Feb, 2018
Ray Mace Smith Graduate Fellowship	Apr, 2016
High Pass on Master's Exam	Nov, 2015
NSF Graduate Fellow	2014 - 2017
Graduated Summa Cum Laude, Whitman College	May, 2013
Phi Beta Kappa	May, 2013
Sigma Xi	Mar, 2013
RESEARCH EXPERIENCE	
Stephen S. Murray Postdoctoral Research Fellow CfA	2019 - present
Multiwavelength Galaxy Evolution, Galaxy Simulations, and <i>Chandra</i> HRC	zors precent
Graduate Research Assistant University of Colorado	2013 - 2019
Simulated Galaxy Imaging and Kinematics and AGN Outflows	
Undergraduate Research Assistant Harvard CfA	2012
Recoiling Supermassive Black Holes	
Undergraduate Research Assistant Whitman College	2011 - 2012
Globular Cluster Stellar Populations	
Undergraduate Research Assistant Institute for Astronomy, Maui	2011
Spectropolarimeter Characterization	

- [12] "Accurate Identification of Galaxy Mergers with Stellar Kinematics"
- Nevin, R., Blecha, L., Comerford, J., Greene, J.E., Law, D. R., Stark, D. V., Westfall, K. B., Vázquez-Mata, J. A., Smethurst, R., Argudo-Fernández, M., Brownstein, J. R., Drory, N., 2021, ApJ accepted
- [11] "A Catalog of 406 AGNs in MaNGA: A Connection between Radio-mode AGNs and Star Formation Quenching"
- Comerford, J., Negus, J., Müller-Sánchez, F., Eracleous, M., Wylezalek, D., Storchi-Bergmann, T., Greene, J. E., Barrows, R. S., **Nevin, R.,** Roy, M., Stemo, A., 2020, ApJ, 901
- [10] "A Second Look at 12 Candidate Dual AGNs using BAYMAX" Foord, A., Gültekin, K., Nevin, R., Comerford, J., Hodges-Kluck, E., Barrows, R., Goulding, A. & Greene, J., 2020, ApJ, 892
- [9] "The Sixteenth Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra" The SDSS-IV Collaboration, Nevin, R., 2019, ApJS Submitted
- [8] "Accurate Identifications of Galaxy Mergers with Imaging"
 Nevin, R., Blecha, L., Comerford, J. & Greene, J., 2018, ApJ, 872
- [7] "The Origin of Double-Peaked Narrow Lines in Active Galactic Nuclei IV: Association with Galaxy Mergers"
- Comerford, J., Nevin, R., Stemo, A., Müller-Sánchez, F., Barrows, R., Cooper, M. & Newman, J., 2018, ApJ, 867, 66
- [6] "Two Separate Outflows in the Dual Supermassive Black Hole System NGC 6240" Müller-Sánchez, F., Nevin, R., Comerford, J., Davies, R., Privon, G. & Treister, E., 2018, Nature, 556, 345
- [5] "The Origin of Double-Peaked Narrow Lines in Active Galactic Nuclei III: Feedback from Biconical AGN Outflows"
- Nevin, R., Comerford, J., Müller-Sánchez, F., Barrows, R. & Cooper, M., 2018, MNRAS, 473, 2160
- [4] "An Active Galactic Nucleus Caught in the Act of Turning Off and On" Comerford, J., Barrows, R., Müller-Sánchez, F., Nevin, R., Greene, J., Pooley, D., Stern, D. & Harrison, F., 2017, ApJ, 849, 102
- [3] "The Origin of Double-Peaked Narrow Lines in Active Galactic Nuclei II: Kinematic Classifications for the Population at z < 0.1"
- Nevin, R., Comerford, J., Müller-Sánchez, F., Barrows, R. & Cooper, M., 2016, ApJ, 832, 67
- [2] "The Origin of Double-Peaked Narrow Lines in Active Galactic Nuclei I: Very Large Array

Detections of Dual AGNs and AGN Outflows" Müller-Sánchez, F., Comerford, J., **Nevin, R.**, Barrows, R., Cooper, M. & Greene, J., 2015, ApJ, 813, 2

[1] "Calibrating and Stabilizing Spectropolarimeters with Charge Shuffling and Daytime Sky Measurements"

Harrington, D., Kuhn, J. & Nevin, R., 2015, Astronomy & Astrophysics, 578, 126

OTHER PUBLICATIONS

- [4] "Preparing an Inclusive Astronomy Community through Effective Professional Development" McConnell, N, ... Nevin, R., ..., 2019, Astro2020: Decadal Survey on Astronomy and Astrophysics, APC white paper
- [3] "The Early Career Perspective on the Coming Decade, Astrophysics Career Paths, and the Decadal Survey Process" Moravec, E., ... Nevin, R., ..., 2019, Astro2020: Decadal Survey on Astronomy and Astrophysics, APC white paper
- [2] "This Father's Day is One of the Longest Days in the History of the Earth Here's Why" Nevin, R., 2015, Universe Today
- [1] "Going Above & Beyond: A Cross-Disciplinary Planetarium Program" Rehnberg, M. & Nevin, R., 2016, AAS Education Task Force White Paper

INVITED COLLOQUIA

CfA Summer Colloquium	Jul 2, 2020
University of Wyoming	Sep 28, 2018

SEMINARS & CONFERENCE TALKS

Feb 8, 2021
Oct 11, 2020
Aug 21, 2020
Mar 6, 2020
Feb 10, 2020
Jan 30, 2020
Nov 19, 2019
Nov 7, 2019
Oct 30, 2019
Apr 3, 2019
Jan 7, 2019
Oct 26, 2018
Oct 12, 2018
Oct 10, 2018
Jun 5, 2018
Mar 28, 2018

CASA/JILA Seminar, University of Colorado SDSS-IV/MaNGA Meeting and Workshop, Campeche, Mexico AGN Winds on the Georgia Coast, Jekyll Island, Georgia CASA/JILA Seminar, University of Colorado Great Lakes Quasar Symposium, London, Ontario	Mar 22, 2018 Dec 7, 2017 Jun 28, 2017 Jun 16, 2017 May 4, 2016
SUPERCOMPUTING ALLOCATIONS	
Co-PI of XSEDE Supercomputer Allocation, NSF Allocated 1242000 CPU-hours	2018
PI of JANUS/Summit Supercomputer Allocation, University of Colorado Allocated 200000 CPU-hours	2015
OBSERVING EXPERIENCE	
PI of six successful Apache Point Observatory Proposals Dual Imaging Spectrograph, 3.5m ARC Telescope Observed 34.5 half nights	2014 - 2016
Co-PI of MDM Observatory (Kitt Peak) Research Observed five nights	2012
TEACHING EXPERIENCE	
Instructor of Record, ASTR-1000 University of Colorado	2017
Developed and taught a 25 student course. Designed inquiry-based activities.	
Professional Development Program (PDP) Institute for Scientists & Engineer Educators, University of California Developed an inquiry-based exoplanet lab for first generation college students.	2016
Teaching Assistant University of Colorado Taught lab courses (30 students) and assisted with interactive learning techniques for the large introductory classes.	2013 - 2014
Undergraduate Teaching Assistant and Tutor Whitman College Guided student telescope labs and indoor physics tutorials, led community outreach telescope nights, and gave planetarium shows to local schools	2011 - 2013
PROFESSIONAL DEVELOPMENT AND SERVICE	
IDEA Sustainability Subcommittee, CfA Postdoc Council Member, CfA Coursera Machine Learning	2020 - present 2019 - present 2019 - present

Datacamp Data Science Courses in Python Astro 2020 Decadal Survey Position Paper Coauthor Referee, MNRAS Statistical Learning, Stanford Online Mentorship Training, University of Colorado Rethinking Scientific Presentations: The Assertion-Evidence Approach Running Singularity Containers on SDSC's Comet Supercomputer Managing Research Workflows with Singularity Containers Software Carpentry Workshop, Research Computing Science Writing Course, University of Colorado Elected Comps I Committee Member, University of Colorado Astrostatistics Summer School, Penn State Faculty Hiring Committee Member, University of Colorado	2019 - present 2018-2019 2018 - present 2018 - present Aug 2018 Jan 2018 Jun 2018 Apr 2018 Mar 2017 2016 Fall 2015 Jun 2015 Jan 2014
PRESS COVERAGE	
SDSS Press Conference Took part in a press release and press conference at the 233rd AAS meeting, release text is available on the SDSS website.	Jan 2019
Supermassive Black Hole Documentary Film Writing and developing an educational movie about supermassive black holes and galaxy mergers in partnership with the Fiske Planetarium.	2018 - 2019
PhD Comics Research group featured in Supermassive Black Holes Explained (http://www.phdcomics.com/comics.php?f=1864)	2016
OUTREACH & COMMUNICATION Lunch Break: Conversations with Scientists in Industry Organized a weekly lunch series at the CfA that welcomes astrophysicists who are working in industry to share their career journey [youtube].	2020 - 2021
Science Speak-Easy: Science Communication Workshop Organized and facilitated an annual workshop for graduate students and postdocs at University of Colorado on giving public and scientific talks.	2018 - 2019
The Science of Sci Fi Developed and ran this talk series at Fiske Planetarium, aimed at engaging the public with popular sci fi works. My talk: Zombie Pathology: A Survival Guide for Pandemics in the 21st Century	2017 - 2019
Science and Society Ran this talk series at Fiske Planetarium, helped graduate students and	2014 - 2019

postdocs develop talks My talks: It Came from Space! The Solar System's Ultimate Weapon and How we Hope to Stop it, Galactic Getaways: Life from a Different Perspective	
Promoting an Inclusive Community in Astronomy (PICA) Organized and led discussions of this graduate-student run diversity group	2013 - 2019
Astronomy on Tap: Colorado My talks: Gravitational Waves, The Dino's Demise	2016 - 2017
Science Writer Wrote for the blog <i>Cosmic Conversations</i> , communicated a wide range of popular science topics	2013 - 2017
ComSciCon Attended this science communication conference preparing today's scientists to better communicate their science to a broader audience	2015
Earth Explorers Worked with a group of underserved middle schoolers in Longmont, CO to develop a movie about black holes	2014 - 2015