

K.E. Saavik Ford

Professor/Research Associate/Visiting Scientist
City University of New York Borough of Manhattan Community College/Graduate Center
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EDUCATION

2003	Johns Hopkins University: Ph.D. Physics & Astronomy 'Detection and Characterization of an Extrasolar Cometary System' Advisor: D. Neufeld
2001	Johns Hopkins University: M.S. Physics & Astronomy
1998	Rensselaer Polytechnic Institute: B.S., Physics

ACADEMIC POSITIONS HELD

2025 - present	CUNY Astronomy & Astrophysics Chairperson
2019 - present	Visiting Scientist, Ctr for Computational Astrophysics, Flatiron Institute
2015 - present	Professor, Department of Science, CUNY BMCC
2011 - 2015	Associate Professor, Department of Science, CUNY BMCC
2010 - present	Doctoral Faculty, Department of Physics, CUNY Graduate Center.
2006 - present	Research Associate, AMNH Department of Astrophysics
2006 - 2011	Assistant Professor, Department of Science, CUNY BMCC
2006 - 2006	Curator of Science, Ingram Planetarium, Museum of Coastal Carolina
2005 - 2006	Affiliate Professor, Coastal Carolina University, SC
2003 - 2005	Carnegie Fellow, DTM, Carnegie Institution of Washington

AWARDS & HONORS

2017 - 2018	CUNY Chancellor's Award for Research
2013 - 2016	Kavli Scholar, Kavli Institute for Theoretical Physics, UCSB
2003 - 2005	Carnegie Fellowship, DTM, Carnegie Institute of Wash.
2000 - 2001	AAUW Dissertation Fellowship

GRANTS

Total: \$6M USD

CCA/Simons Foundation Visiting Scientist: 2023-2024 **\$40k**
NSF AstroCom NYC renewal with CCA (**Co-PI**): 2022-2027 **\$1.3M**
NSF AAG 'Improving modeling of the LIGO AGN channel' (**Co-PI**) Sep 2022 **\$450k**
NASA HST 'The Cluster Population of UGC 2885' (**Co-I**): 2019-2022 **\$50K**
CCA/Simons Foundation Visiting Scientist: 2019-2020 **\$40k**
NSF AstroCom NYC renewal with CCA (**Co-PI**) 2018-2021 **\$1M**
Simons AstroCom NYC supplement (consultant): 2017-2022 **\$400k**

NASA NY Space Grant Community College Partnership (**Co-I**): 2015-2016 & 2017-18 **\$300k**
NSF PAARE 'AstroCom NYC: A partnership between Astronomers at CUNY, AMNH & Columbia' (**Co-PI**): 2012-2017 **\$1.5M**
NASA APRA 'Non-redundant masking of Space Telescopes' (**Co-I**): 2010-2015 **\$700k**

MISSION TEAM MEMBERSHIP

UVEX Mission Team Member
LISA Consortium Member
JWST NIRISS Instrument Team Member
LSST-DA Consortium Member (CUNY Institutional Representative 2025)

RECENT PROJECTS

McFACTS

Leading developer for the [Monte carlo For AGN Channel Testing & Simulations](#), the first public, open-source, population synthesis code for the full AGN Channel for binary black hole mergers detectable from ground-based gravitational wave observatories. As a founding theorist who has developed this channel over the past ~decade, I have now, with a small team, created a tool for general community use, including planned upgrades and ongoing support.

Science Storytellers

Founder of Science Storytellers (2023), organized outreach talks on sociocultural astronomy by a diverse cohort to local community groups. Presentations included:

- The calendar is astronomy technology!
- Not all calendars rely on the Sun--Lunar New Year
- Follow the Gourd--Escaping slavery through the stars
- How *do* you get to Hawai'i?
- Spring Equinox: same astronomical event, many cultures!
- Arabic astronomy: the Moon and the Stars
- Pyramids and paths: Mayan astronomy
- Norse constellations & navigation
- The great supernova of 1054
- The Milky Way Across Cultures

Interactions

Co-author of a play featuring Vera Rubin & Jocelyn Bell-Burnell as characters. Co-written with Miranda Haymon, Sound Design by Elisheba Ittoop. Produced by The Public Theater in partnership with the AMNH as part of Microcosms! Program. Performed on December 18, 2023.

SELECTED RECENT TALKS/POSTERS

2025 **Invited Talk** at University of Louisville Physics Dept. Colloquium
2025 **Invited Panelist** for "10 Years of Gravitational Waves" at Flatiron Institute
2025 **Invited Talk** VandyGRAF Seminar: "The AGN Channel for Stellar Mass Binary Black Hole Mergers", Vanderbilt University, Nashville, TN
2025 **Invited Plenary Talk** at AAS 246, 'Things in Disks: Towards a New Understanding of

- Galactic Nuclei' Anchorage, AK
- 2025 **Invited Talk** at Dynamix, "EMRI rates and parameters from AGN", Cambridge, UK
- 2025 **Talk** at AAS 245, "EMRIs in AGN: Predictions From McFACTS (Monte carlo For AGN Channel Testing & Simulations)", Washington DC
- 2024 **Invited Talk** at NBIA, "How the AGN Variability Zoo Informs Our Understanding of the AGN BBH Merger Channel" for: New Ideas on the Origin of Black Hole Mergers, Copenhagen DK
- 2024 **Invited Talk** at GWPAW meeting, "AGN Channel for BBH Mergers" for panel on Binary Formation Channels", Birmingham UK
- 2024 **Poster** for LISA Symposium: "EMRIs in AGN: Predictions From McFACTS (Monte carlo For AGN Channel Testing & Simulations)", Ford, McKernan, Cook, Delfavero, O'Shaughnessy & Postiglione, Dublin, Ireland
- 2024 **Seminar**, NuSTAR Seminar, "Disk Jockeying: Things in AGN Disks & Their Implications", Caltech, Pasadena, CA
- 2023 **Invited Talk** at IMBH: The Dawn of a Revolutionary Era, "Simulating IMBH Formation in AGN Disks", San Pedro Belize
- 2023 **Colloquium**, "The AGN Channel for Binary Black Hole Mergers Detected in Gravitational Waves", University of Washington, Seattle WA
- 2023 **Seminar**, LIGO Hanford, "The AGN Channel for Binary Black Hole Mergers Detected in Gravitational Waves", Hanford, WA (joint talk with Barry McKernan)
- 2023 **Colloquium** at GSFC, "Things in AGN Disks: Multimessenger Approaches to Understanding AGN", Greenbelt MD
- 2023 **Invited talk** at AGN: Santa Fe, "McFACTS: Monte carlo For AGN Channel Testing & Simulations", Santa Fe NM
- 2023 **Poster** at Aspen: eXtreme Black Holes, "Compact Object Binaries in Active Galactic Nuclei", Aspen CO
- 2022 **Invited talk** at 'Black Hole Dynamics: From Gaseous Environments to Empty Space' Niels Bohr International Academy, Copenhagen DK (canceled due to travel issues)
- 2022 **Invited talk** at Bridging the Gap: "Accretion & Orbital Evolution in Stellar & Black Hole Binaries' KITP", Santa Barbara CA
- 2022 **Invited talk** at 'Dynamical Formation of Gravitational Wave Sources', Aspen Center for Physics, Aspen CO
- 2021 **Invited talk** at 'New Paradigms for Radiatively Efficient Accretion Disks', Center for Computational Astrophysics, New York NY
- 2021 **Invited talk** at LIGO-GRITTS Seminar Series, "Using LIGO-Virgo BBH Detections to do AGN Astrophysics", Pasadena CA
- 2020 **Invited talk** at 'LIGO/Virgo O3A Workshop' Niels Bohr International Academy, Copenhagen DK
- 2020 **Colloquium** at FermiLab, "AGN Disks Have Things in Them", Chicago IL
- 2020 **Colloquium** at Center for Computational Astrophysics, "AGN Disks Have Things in Them", New York NY
- 2020 **Seminar** at NYU Center for Cosmology & Particle Physics, "AGN Disks Have Things in Them", New York NY

- 2020 **Invited talk** at 'Through a Glass Darkly: The Futurescape of Multimessenger Astronomy' Session of AAS, Honolulu HI
- 2019 **Invited talk** at 'The Origins of Black Hole Mergers and Gravitational Waves' Lorentz Center, Leiden NL
- 2019 **Invited talk** at 'Quasars in Crisis' Royal Observatory, Edinburgh, Scotland
- 2019 **Invited talk** at 'Black Holes in the Disks of Active Galactic Nuclei' Center for Computational Astrophysics, New York NY
- 2018 **Invited talk** at 'Science with HabEx: UV to Near Infrared Space Astronomy in the 2030s' Center for Computational Astrophysics, New York NY
- 2018 **Invited talk** at 'Black Hole Initiative Seminar', Harvard University, Cambridge MA

TEACHING

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|----------------|--|
| 2025 | Astrophysics of Compact Objects, CUNY Graduate Center |
| 2012 - present | Science Thought and Practices (STP), CUNY multi-campus; AMNH |
| 2006 - present | Introductory Astronomy, CUNY BMCC |
| 2014 - present | Mentoring Workshops, (various venues) |
| 2017 - 2019 | STP Workshops, (AAS for national transmission of STP methods to faculty) |
| 2005 - 2006 | Astronomy I & II Laboratory, Coastal Carolina University |
| 1999 - 2000 | Physics with Calculus, graduate TA, Johns Hopkins University |

RECENT OUTREACH

Media

Frequent press appearances on TV & radio as expert commentator, and sought for quotes in print media on astronomy & space topics—some recent examples:

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|------|---|
| 2025 | 'Star-eating black hole unleashes record-setting energetic flare' Reuters
And 'Sound of Science' on Late Show with Stephen Colbert |
| 2025 | 'LISA: What the Revolutionary Gravitational Wave Observatory Will Actually See' Gizmodo |
| 2024 | 'ISS "Don't call them stranded" Astronauts' NBC News Now |
| 2024 | 'Eclipse Viewing & Safety' Multiple TV appearances on NBC (Today Show, Morning News Now, local affiliates) |
| 2024 | 'Brightest Quasar Ever Discovered' NBC News Now |
| 2023 | 'SpaceX launch' NBC News Now |
| 2023 | 'Runaway Black Hole Creates Trail of Stars?' StarTalk appearance |
| 2020 | 'Black Hole Collision' New York Times Science Times |
| 2020 | 'Black Hole Astronomy' New York Times Science Times |
| 2020 | 'Black Holes May Merge with Light of a Trillion Suns' The Guardian (feature) |
| 2018 | 'Human Exploration of Space' NBC Nightly News extended interview |

EDI

Originator & Lead Founder of [AstroCom NYC](#) 2012-present, a partnership between CUNY, AMNH and CCA to improve recruitment & retention of underrepresented minorities in astronomy & astrophysics. A selection of related activities:

2025	Women in STEM panel at BMCC for Women's History Month
2025	'Career Landscape' panel chair
2025	'Career Plan B' panel and workshop
2024	'How to Attend a Professional Party' undergraduate workshop
2024	Assisted preparation for 'Conference Attendance' workshop for UG & MS program students
2024	CCA Flatiron Research Fellows Orientation Presentation on CUNY linkages and programs
2023	Led Mentoring Forum: 'A Beginning, or Maybe a Middle, but Not an End', National Hubble Fellowship Program Annual Meeting, Boston, MA
2023	'Inclusive Mentoring' panel at Flatiron Institute
2023	'Why you shouldn't go to grad school' undergraduate workshop
2022 - 2023	Onboarding Coordinator, CUNY Astro MS (Bridge) program
2016 - present	Mentor lunch facilitator, CUNY/AMNH/CCA
2016 - present	Pre-summer Mentor Training Workshop
2015 - 2019	'Science Thought & Practices' training workshops
2013 - present	Run Advising Jamboree (each semester)
2012 - 2023	Teaching 'Science Thought & Practices'
2012 - present	Mentoring supervisor for AstroCom NYC (UG program)

PUBLIC ENGAGEMENT

Enthusiastic about public outreach, including items mentioned elsewhere; selected events:

2025	Bullitt Lecture: "Wiggles from the Universe", Univ of Louisville, KY
2025	Sci-Curious podcast with Kyle Dunnigan & Dan Naturman
2025	Astro on Tap: "High Gravity: Cheers to 10 years of Gravitational Wiggles... for SCIENCE!"
2025	LSST First Look event organizer (speaker & organizer)
2025	Center for Excellence in Teaching & Learning at BMCC "On the Tee-Vee"
2025	Out of Her Bounds presentation: Panel Discussion at The CUNY Graduate Center
2024	Collaborated with BMCC Theater, Speech & Communication Department to promote & do SciComm around their production of Almost, Maine
2024	Collaborated with Anatomy & Physiology colleagues to share useful x-ray imaging
2024	Preparation, release, and promotion of 'Out of Her Bounds' book on the history of women in late 12th century England
2024	Contributed research to Skyhorse Carousel project for 'Irish' horse
2024	'The Loudest Things in the Universe' for Astro on Tap (11th Anniversary Show)
2023	Microcosms! A year-long program joining theater artists (Public Theater) & astronomers (AMNH).

2023 American Museum of Natural History summer camp 'Meet the Astronomer'
 2023 AMNH Frontiers in Research dome talk: "Collisions Around Supermassive Black Holes"
 2023 Amateur Astronomers Association of New York public talk
 2022 City of Science: JWST panel discussion
 2021 Bronx Community College: Science Week
 2020 Astronomy on Tap: All Stars (Invited return of best speakers)
 2019 Astronomy on Tap: "Dark Matter and Other Dark Matters"
 2019 Astronomy on Tap: "How I Know There Are No Aliens In Freezers"
 2019 NEST+m High School Outreach Day
 2019 City of Science: Black Holes
 2018 Astronomy on Tap Pi Day: "Einstein & Spacetime"
 2017 Winter Solstice Celebration, Pier A Plaza

MENTORING

Postdocs Mentored

2022-present Vera Delfavero → postdoc at CITA
 2022-present Jared Goldberg → postdoc at Michigan State
 2022-2025 Taeho Ryu → Tenure-track UColorado, Boulder
 2022-2024 Yihan Wang → UNLV postdoc
 2021-2024 Mathieu Renzo → Tenure-track at University of Arizona
 2022-2023 Amanda Quirk
 2020-2022 Maria (Masha) Okounkova → Tenure-track at Pasadena City College
 2020-2022 Tom Callister → postdoc at UChicago
 2020-2021 Ashley Villar → Tenure-track at Harvard
 2019-2022 Tom Rice → Education Officer at AAS
 2015-2017 Jillian Bellovary → Tenured at CUNY QCC
 2015-2019 Nathan Leigh → Tenured at UConcepcion, Chile
 2009-2011 Wlad Lyra → Tenured at NMSU

Graduate Student Research Mentor

2025-present Miranda McCarthy (CUNY MS)
 2024-present Emily McPike (CUNY MS)
 2024-present Shawn Ray (CUNY MS)
 2023-present Jake Postiglione (CUNY PhD)
 2019-present Harrison Cook (NMSU PhD)
 2023-2025 Kaila Nathaniel (RIT)
 2022-2025 Joshua Fagin (CUNY)
 2022-2024 Bridget Ierace (CUNY)
 2021-2024 Henry Best (CUNY) → postdoc Masaryk University
 2021-2023 Daven Cocroft (University of Toronto)
 2021-2022 Sabina Sagynbayeva (SUNY Stony Brook)
 2020-2022 Avi Vajpeyi (Monash)
 2020-2022 Yihan Wang (SUNY Stony Brook)
 2018-2025 Andrea Mejia (since UG) → PhD student at UConn

2015-2017 Drew Rosen → tenured University of Edinburgh

Postbac Research Mentor

2025-present Varun Pritmani

2021-2025 Kiki Gonglewski → PhD student at U. of Arizona

2017-2018 Betsy Hernandez

2017-2018 Amy Secunda → CCA postdoc

2017-2018 Elliana Schwab Abrahams → PhD student at Berkeley

Undergraduate Students: research

2021-2025 John Meftah → MS Student at CUNY

2018-2021 Jose Adorno

2018-2023 Freddy Caban

2017-2020 Gaia Fabj → PhD from Copenhagen, NBIA

2017-2020 Syeda Nasim → PhD student at Montana State University

2015-2016 Luciana King

2014-2016 Ricardo Almeida dos Santos

2014-2016 Susan Blackburn

2012-2014 Ariel Diaz

2012-2013 Charles Sanford

2010-2012 Chaele Nicholson

2009-2010 Edina Celjaj

2007-2009 Nathan Chang

Undergraduate Students: career

2024-2025 Shelby Servis

2022-2024 Sherelyn Alejandro

2020-2022 Billy Chakalis

2016-2020 Aurora Cid

2016-2018 Colleen Cleary

2015-2017 David Rivkin

2015-2017 Joshua Tanon

2012-2016 Jaqueline Erazo

2012-2015 Joseph Quinones

2012-2013 Julia Avez

High School Student: research

2004-2005 Abigail Fraeman → Deputy Project Scientist Mars Science Laboratory, JPL

GRADUATE COMMITTEES

2025 Emily Calamari thesis defense committee

2025 Michael Smith qualifying committee (Vanderbilt University)

2025 Kaila Nathaniel thesis defense committee (RIT)

2024 Niccolo Veronesi thesis defense committee (University of Leiden)

2024 Bridget Ierace's Master's exam committee

2024 Henry Best's thesis defense committee

2022 Robert Song's thesis defense committee

2020	Eileen Gonzales's thesis defense committee
2016	Ryan Abrahams's thesis defense committee

INSTITUTIONAL SERVICE

2025 - present	CUNY Astronomy & Astrophysics, Chair (cross-campus)
2025 - present	Physics PhD program, Astrophysics Track Chair, CUNY Grad Center
2020 - present	Reviewer for online courses, BMCC
2012 - present	Supervising mentor visits/mentor recruiting for undergrads, CUNY Astro
2012 - present	Astronomy representative to College Assessment Committee, BMCC
2025	Computational Cluster Hire (Marty Spergel Initiative) Committee at CUNY Graduate Center
2024 - 2025	Tracks & Qualification Exam re-design committee for CUNY Grad Center
2022 - 2023	Onboarding Coordinator for CUNY Astro Masters Program
2020 - 2021	PSC CUNY Grants Review Committee
2006 - 2016	Department Faculty Union Representative
2014 - 2015	PSC CUNY Grants Review Committee
2014 - 2015	College Presidential Scholars Review Committee
2012 - 2013	Department Astronomy Discipline Group Head
2007 - 2010	College Faculty Senator
2007	NSF Astronomy & Astrophysics Grant Reviewer
2007 - 2008	College Instructional Committee Chair

RECENT PROFESSIONAL SERVICE

2025 - present	Manager for updating LISA Consortium Living Reviews in Relativity (EMRI chapter)
2025 - present	LSST CUNY/Columbia/Rutgers collaborative consortium rep
2025 - present	Organizing & recruiting for Project BUILD
2025 - present	NYC-area 'Gas Coffee' Meeting
2025 - 2026	SOC for NYC-area spring mtg on transient & variable astronomy w/LSST
2024	Release of McFACTS to public
2024	Organizer for McFACTS Hack Week
2024	Organized Dunsink Observatory tour for LISA Symposium attendees
2022	LINCC Data to Software to Science SOC & LOC for LSST pre-cursor data science development; companion white paper co-author
2020 - 2025	LISA Consortium CUNY/AMNH Group Leader (9 full faculty members), contribute to working groups & white papers (section editor & reviewer)
2019 - 2020	NASA Multimessenger Astrophysics Science Analysis Group sub-committee co-chair (with Peter Shawhan) for stellar mass binary black hole mergers; led white paper for Astro2020 linking LIGO detections to AGN astrophysics, and contributed to other multimessenger white papers.
2019	Ran first workshop dedicated to understanding AGN channel for LIGO BBH mergers at CCA

2018 - 2019	Ran multiple workshops at AAS meetings to train faculty across the US on pedagogical techniques & best practice from Science Thought and Practices course (co-developed & co-taught by me)
2014	Led analysis & case for extragalactic science using the Aperture Masking Interferometer (AMI) in NIRISS, on the JWST. Found algorithmic/data reduction solutions to uncertain but potential in-flight hardware problems (e.g. mitigating jitter and other instrumental instabilities)
2014	Invited member of AAS task force to revitalize Shapley Visiting Lectureship

Referee for ApJ, MNRAS

PUBLICATIONS

Mentored student in *italics*

Submitted:

1. Image reconstruction with the JWST Interferometer, M. Charles, L. Desdoigts, B. Pope, P. Tuthill, D. Blakely, D. Johnstone, S. Ray, **K. E. S. Ford**, B. McKernan, & A. Sivaramakrishnan. 2025, arXiv e-prints, arXiv:2510.10924.
2. Using gravitational waves and multi-messenger Astronomy to reverse-engineer the properties of galactic nuclei, **K. E. S. Ford** & B. McKernan. 2025, arXiv e-prints, arXiv:2506.08801, (accepted by Classical & Quantum Gravity, awaiting MNRAS permission for figure re-use).
3. Prospects for the formation of GW231123 from the AGN channel. V. Delfavero and S. Ray and H. E. Cook and K. Nathaniel and B. McKernan and **K. E. S. Ford** and J. Postiglione and E. McPike and R. O'Shaughnessy. 2025, arXiv:2508.13412.
4. Conditions for Changing-Look AGNs from Accretion Disk-Induced Tidal Disruption Events. Y. Wang, M. J. Graham, **K. E. S. Ford**, B. McKernan, T. Ryu and D. Stern. 2024, arXiv e-prints, arXiv:2406.12096

Peer-reviewed Publications:

1. An extremely luminous flare recorded from a supermassive black hole', M. J. Graham, B. McKernan, **K. E. S. Ford**, D. Stern, M. Cantiello, A. J. Drake, Y. Ding, M. Kasliwal, M. Koss, R. Margutti, S. Rose, J. Somalwar, P. Wiseman, S. G. Djorgovski, P. M. Veres, E. C. Bellm, T. X. Chen, S. L. Groom, S. R. Kulkarni, & A. Mahabal. 2025, Nature Astronomy.
2. McFACTS. II. Mass Ratio—Effective Spin Relationship of Black Hole Mergers in the Active Galactic Nucleus Channel', H. E. Cook, B. McKernan, **K. E. S. Ford**, V. Delfavero,

K. Nathaniel, J. Postiglione, S. Ray, E. J. McPike, & R. O'Shaughnessy. 2025, *The Astrophysical Journal*, 993, 163.

3. Evolution of LISA Observables for Binary Black Holes Lensed by a Supermassive Black Hole', J. Postiglione, **K. E. S. Ford**, H. Best, B. McKernan, & M. O'Dowd. 2025, *The Astrophysical Journal*, 991, 161.
4. Kilonova Constraints for the LIGO/Virgo/KAGRA Neutron Star Merger Candidate S250206dm: GW-MMADS Observations', L. Hu, T. Cabrera, A. Palmese, J. Freeburn, M. Bulla, I. Andreoni, X. J. Hall, B. O'Connor, A. Amsellem, C. R. Bom, M. Busmann, J. Fabà, J. Gassert, S. Kalabalik, K. Kunnumkai, D. Gruen, L. Santana-Silva, A. Santos, T. Ahumada, J. Carney, M. W. Coughlin, X. Chen, **K. E. S. Ford**, D. E. Holz, M. M. Kasliwal, I. Magaña Hernandez, C. Mihalenko, R. Perna, A. Riffeser, C. Ries, L. Schnappinger, M. Schmidt, J. Sommer, S. Teague, P. Vega, O. Volchansky, L. Wang, & Y. Zhang. 2025, *The Astrophysical Journal*, 990, L46.
5. McFACTS I: Testing the LVK AGN Channel with Monte Carlo for AGN Channel Testing and Simulation (McFACTS)', B. McKernan, **K. E. S. Ford**, H. E. Cook, V. Delfavero, E. McPike, K. Nathaniel, J. Postiglione, S. Ray, & R. O'Shaughnessy. 2025, *The Astrophysical Journal*, 990, 217.
6. McFACTS III: Compact Binary Mergers from Active Galactic Nucleus Disks over an Entire Synthetic Universe', V. Delfavero, **K. E. S. Ford**, B. McKernan, H. E. Cook, K. Nathaniel, J. Postiglione, S. Ray, E. McPike, & R. O'Shaughnessy. 2025, *The Astrophysical Journal*, 989, 67.
7. Joint Modeling of Quasar Variability and Accretion Disk Reprocessing Using Latent Stochastic Differential Equations', J. Fagin, J. H.-H. Chan, H. Best, M. O'Dowd, **K. E. S. Ford**, M. J. Graham, J. W. Park, & V. A. Villar. 2025, *The Astrophysical Journal*, 988, 59.
8. Discovery of extreme quasi-periodic eruptions in a newly accreting massive black hole', L. Hernández-García, J. Chakraborty, P. Sánchez-Sáez, C. Ricci, J. Cuadra, B. McKernan, **K. E. S. Ford**, P. Arévalo, A. Rau, R. Arcodia, E. Kara, Z. Liu, A. Merloni, G. Bruni, A. Goodwin, Z. Arzoumanian, R. J. Assef, P. Baldini, A. Bayo, F. E. Bauer, S. Bernal, M. Brightman, G. Calistro Rivera, K. Gendreau, D. Homan, M. Krumpke, P. Lira, M. L. Martínez-Aldama, M. Salvato, & B. Sotomayor. 2025, *Nature Astronomy*, 9, 895.
9. Searching for electromagnetic emission in an AGN from the gravitational wave binary black hole merger candidate S230922g. T. Cabrera, A. Palmese, L. Hu, B. O'Connor, **K. E. S. Ford**, B. McKernan, I. Andreoni, T. Ahumada, A. Amsellem, M. Busmann, P. Clark, M. W. Coughlin, E. Dadiani, V. Diaz, M. J. Graham, D. Gruen, K. Kunnumkai, J. Postiglione, A. Riffeser, J. S. Sommer, and F. Valdes. 2024, *Physical Review D*, 110, 123029.

10. Constraining the LVK AGN channel with black hole spins. B. McKernan and **K. E. S. Ford**. 2024, Monthly Notices of the Royal Astronomical Society, 531, 3479.
11. Tidal disruption events from three-body scatterings and eccentricity pumping in the discs of active galactic nuclei. C. Prasad, Y. Wang, R. Perna, **K. E. S. Ford**, and B. McKernan. 2024, Monthly Notices of the Royal Astronomical Society, 531, 1409.
12. NuSTAR Observations of Candidate Subparsec Binary Supermassive Black Holes. M. L. Saade, M. Brightman, D. Stern, T. Connor, S. G. Djorgovski, D. J. D'Orazio, **K. E. S. Ford**, M. J. Graham, Z. Haiman, H. D. Jun, E. Kammoun, R. P. Kraft, B. McKernan, A. Vikhlinin, and D. J. Walton. 2024, The Astrophysical Journal, 966, 104.
13. Latent Stochastic Differential Equations for Modeling Quasar Variability and Inferring Black Hole Properties. *J. Fagin*, J. W. Park, *H. Best*, J. H. H. Chan, **K. E. S. Ford**, M. J. Graham, V. A. Villar, S. Ho, and M. O'Dowd. 2024, The Astrophysical Journal, 965, 104.
14. In-plane tidal disruption of stars in discs of active galactic nuclei. T. Ryu, B. McKernan, **K. E. S. Ford**, M. Cantiello, M. Graham, D. Stern, and N. W. C. Leigh. 2024, Monthly Notices of the Royal Astronomical Society, 527, 8103.
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