Catherine C. Espaillat

Curriculum Vitae

June 6, 2025

Department of Astronomy
Boston University
725 Commonwealth Avenue
Boston, MA 02215

Office: CAS Room 404A
Phone: (617) 358-3441
E-mail: cce@bu.edu
Website: http://sites.bu.edu/cce

EDUCATION

PhD, Astronomy and Astrophysics, University of Michigan, 2009
MS, Astronomy, University of Michigan, 2005
BA, Astronomy, Columbia University, 2003

POSITIONS

2024 – Present	Professor, Department of Astronomy, Boston University
2020 – 2024	Associate Professor, Department of Astronomy, Boston University
2013 – 2020	Assistant Professor, Department of Astronomy, Boston University
2012 – 2013	NASA Carl Sagan Postdoctoral Fellow, Harvard-Smithsonian Center for Astrophysics
2009 – 2012	NSF Astronomy and Astrophysics Postdoctoral Fellow, Harvard-Smithsonian Center for Astrophysics

HONORS

2023	Fellow, American Association for the Advancement of Science
2022	Faculty Fellow, BU College of Arts & Sciences Society of Fellows
2019	Scialog Fellow, Research Corporation for Science Advancement
2016	Kavli Fellow, National Academy of Sciences
2016	Sloan Fellow, Alfred P. Sloan Foundation
2015	CAREER, NSF
2012 – 2013	Carl Sagan Postdoctoral Fellow, NASA
2009 – 2012	Astronomy and Astrophysics Postdoctoral Fellow, NSF
2003 – 2005	Rackham Merit Fellow, University of Michigan

PUBLICATIONS

122 peer-reviewed publications (19 first-author, 24 as advisor); Citations=7,684 and H-index=46 (Source: NASA Astrophysics Data System); See Publications List

GRANTS

PI, co-PI, administrative PI, and scientific PI of 23 grants totaling ~$5.4M (~$4.5M as faculty).

2024 "A multiwavelength study of protoplanetary disk ionization"
Hubble Space Telescope (6 orbits), $45,938, PI: C. Espaillat

2024 "A multiwavelength study of protoplanetary disk ionization"
JWST (5.1 hrs), $131,433, PI: C. Espaillat

2024 "A multiwavelength study of protoplanetary disk ionization"
Chandra (25 ks), $21,590, PI: C. Espaillat

2023 "Searching for Evidence of EUV Photoevaporation in Actively Dispersing Protoplanetary Disks"
JWST (26.7 hrs), $259,834, Scientific Co-PI: C. Espaillat (PI: T. Thanathibodee), Administrative PI: C. Espaillat

2022 "EUV vs. X-ray Photoevaporation of Protoplanetary Disks"
JWST (7.7 hrs), $141,933, PI: C. Espaillat

2022 Student Observing Support
National Radio Astronomy Observatory, $34,706. PI: C. Espaillat

2021 "Connecting Multiwavelength Variability of Protoplanetary Disks and Their Dynamic Host Stars"
NSF, AAG, $464,331, PI: C. Espaillat

2021 "Outflows and Disks around Young Stars: Synergies for the Exploration of Ullyses Spectra (ODYSSEUS)"
Hubble Space Telescope (Archival), $1,079,547 ($539,066 to Boston University), Scientific Co-PI: C. Espaillat (PI: G. Herczeg), Administrative PI: C. Espaillat

2020 Student Observing Support
National Radio Astronomy Observatory, $33,148, PI: C. Espaillat

2020 "A Comprehensive Multiwavelength Study of the Accretion Variability of GM Aur"
Hubble Space Telescope (6 orbits), $161,116, Scientific PI: C. Robinson (PhD student), Administrative PI: C. Espaillat

2020 "Multiwavelength Characterization of Planet Formation Environments"
NASA, ADAP, $481,864, PI: C. Espaillat

2019 "Short Timescale Accretion Variability in Young Low-Mass Stars"
Transiting Exoplanet Survey Satellite, $47,000, Scientific PI: C. Robinson (PhD student), Administrative PI: C. Espaillat

2018 "Connecting Mass Accretion and Ejection in Pre-Main Sequence Stars"
Hubble Space Telescope (6 orbits), $145,000, PI: C. Espaillat

2018 "Connecting Mass Accretion and Ejection in Pre-Main Sequence Stars"
Chandra (35ks), $14,000, PI: C. Espaillat

2016 Sloan Research Fellowship
Alfred P. Sloan Foundation, $55,000, PI: C. Espaillat

2016 "Footprints of the Magnetosphere: the Star–Disk Connection in T Tauri Stars"
Hubble Space Telescope (20 orbits), $101,000, PI: C. Espaillat

2015 "Bridging the Gaps - Connecting Theory and Observations of Planet-Forming Disks and Addressing Underrepresented Populations in STEM"
NSF, CAREER, $1,012,917, PI: C. Espaillat

2016 "Exploring the Dust-Gas Connection in the Protoplanetary Disk of GM Aur"
Spitzer Space Telescope (6 hrs) and *Hubble Space Telescope* (4 orbits), $63,000, PI: C. Espaillat

2015 "Testing EUV Photoevaporation Models in Young Disks"
Hubble Space Telescope (6 orbits), $51,000, PI: C. Espaillat

2014 "A Clearer View of Dust Evolution in Protoplanetary Disks"

Herschel Space Telescope (30 hrs), $270,000, PI: C. Espaillat

2012 "Towards a Multi-Wavelength View of Planet-Forming Circumstellar Disks"
NASA, Carl Sagan Postdoctoral Fellowship, $290,000, PI: C. Espaillat

2009 "Peering at the First Stages of Planet Formation: Getting a Clearer View of Grain Growth, Settling, and Clearing in Dusty Disks"
NSF, Astronomy and Astrophysics Postdoctoral Fellowship, $249,000, PI: C. Espaillat

2008 "How Far does H2 Go: Constraining FUV Variability in the Gaseous Inner Holes of Protoplanetary Disks"
Hubble Space Telescope (18 orbits), $91,000, Scientific PI: C. Espaillat (PhD student), Administrative PI: N. Calvet

2008 "Mind the Gap: Timing Planet Formation by Looking in the Holes and Gaps of Dusty Disks"
Spitzer Space Telescope (5 hours), $31,000, Scientific PI: C. Espaillat (PhD student), Administrative PI: N. Calvet

2007 "Probing the Planet–Forming Region of T Tauri Stars in Chamaeleon"
Hubble Space Telescope (12 orbits), $65,000, Scientific PI: C. Espaillat (PhD student), Administrative PI: N. Calvet

2007 "Probing the Gas in the Planet–Forming Regions of Protoplanetary Disks"
Spitzer Space Telescope (46.8 hours), $185,000, Scientific PI: C. Espaillat (PhD student), Administrative PI: N. Calvet

INVITED RESEARCH TALKS

Talks given at conferences are denoted with asterisks.

2025 *Gordon Research Conference on Origins of Solar Systems, Holyoke, MA, June 16 – 19
2025 Seminar, Carnegie Earth and Planets Laboratory, Washington, DC, June 5
2025 *PRIMA and the Future of Far-Infrared Science, Pasadena, CA, May 19 - 21
2025 Astronomy Department Colloquium, U Massachusetts, Amherst, MA, Feb 27
2025 *245th American Astronomical Society Meeting Special Session, National Harbor, MD, Jan 14
2024 Astronomy Department Colloquium, University of Michigan, Ann Arbor, MI, Nov 21
2024 CIERA Colloquium, Northwestern University, Evanston, IL, Oct 29
2024 Astronomy Department Colloquium, Cornell University, Ithaca, NY, Apr 25
2024 *ULLYSES: Continuing the Voyage of Discovery, Space Telescope Science Institute, Baltimore, MD, Mar 11 – 14
2023 Astronomy Department Colloquium, Penn State, State College, PA, Dec 6
2023 *GIYE Workshop, Bornova, Turkey, Nov 29
2023 *AAVSO 112th Annual Meeting, Somerville, MA, Nov 4
2023 Origins Seminar, University of Arizona, Tucson, AZ, Sept 18
2022 Seminar, INAF Astronomical Observatory of Rome, Rome, Italy, Dec 21
2022 *TESS* Science Team Meeting, MIT, Cambridge, MA, Oct 13 – 14
2022 *Multi-faceted Views of Planet Formation, Pasadena, CA, Jun 12 – 16
2022 Astrophysics Colloquium, University of Athens, Athens, Greece, Mar 29
2022 Physics and Astronomy Colloquium, Queen's University, Kingston, Canada, Jan 28
2022 Astronomy Seminar, NOIRLab, Tucson, AZ, Jan 21
2021 *Stars and Planets in the Ultraviolet, Tempe, AZ, May 3 – 5

2021 Astronomy Colloquium, Queen Mary University of London, London, UK, Mar 26
2021 Astronomy Colloquium, Michigan State University, Lansing, MI, Mar 11
2021 Astronomy Colloquium, Ohio State University, Columbus, OH, Feb 25
2021 Astronomy Colloquium, University of Leicester, Leicester, UK, Feb 10
2021 *Committee on Space Research Scientific Assembly, Sydney, Australia, Jan 29 – 31
2020 Astronomy Colloquium, Missouri State, Springfield, MO, Dec 2
2020 Astronomy Colloquium, University of Illinois, Urbana-Champaign, IL, Nov 10
2020 Astronomy Colloquium, Carnegie Observatories, Pasadena, CA, Oct 27
2020 Astronomy Colloquium, Indiana University, Bloomington, IN, Oct 20
2020 *Celebrating the Legacy of the *Spitzer Space Telescope*, Pasadena, CA, Feb 11 – 13
2020 *Gordon Research Conference on Origins of Life, Galveston, TX, Jan 19 – 24
2019 *Radio Science Symposium, Massachusetts Institute of Technology, Haystack Observatory, Westford, MA, Nov 1
2019 Physics and Astronomy Colloquium, Tufts University, Medford, MA, Oct 25
2019 Colloquium, Space Telescope Science Institute, Baltimore, MD, Oct 23
2019 Submillimeter Array Seminar, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA, Oct 11
2019 *Extreme Solar Systems IV, Reykjavik, Iceland, August 19 – 23
2019 Junior Faculty Colloquium, Boston University, Boston, MA, Feb 15
2019 Astronomy Colloquium, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA, Feb 7
2019 *Plenary Lecture, American Astronomical Society, Seattle, WA, Jan 6 – 10
2018 Astronomy Colloquium, SOFIA Science Center, Mountain View, CA, Oct 24
2018 *TMT Science Forum, Pasadena, CA, Dec 10 – 12
2018 *Unsolved Problems in Astrophysics and Cosmology, Budapest, Hungary, Jul 1 – 7
2018 Astronomy Colloquium, University of Massachusetts Lowell, Lowell, MA, Apr 25
2018 *SPHEREx Synergies Workshop, Cambridge, MA, Jan 30 – 31
2017 *Exoplanets and Planet Formation, Shanghai, China, Dec 11 – 15
2017 Astronomy Colloquium, University of Rochester, Rochester, NY, Oct 23
2017 Astronomy Colloquium, University of Maryland, College Park, MD, Oct 11
2017 Astrophysics Colloquium, Massachusetts Institute of Technology, Cambridge, MA, Sep 26
2017 *Chondrules as Astrophysical Objects, Vancouver, Canada, May 9 – 11
2017 Colloquium, National Research Council Herzberg, Victoria, Canada, Mar 14
2017 Physics and Astronomy Colloquium, University of British Columbia, Vancouver, Canada, Mar 13
2017 Colloquium, Kavli Institute for Theoretical Physics, University of California Santa Barbara, Santa Barbara, CA, Mar 9
2017 *Disks, Dynamos and Data, University of California Santa Barbara, Santa Barbara, CA, Feb 6 – 10
2017 Astronomy Department Colloquium, University of California Santa Cruz, Santa Cruz, CA, Jan 11
2016 Astronomy Colloquium, Columbia University, New York, NY, Oct 5
2016 *Star Formation 2016, Exeter, UK, Aug 22 – 26
2016 Astronomy Department Colloquium, Yale University, New Haven, CT, Feb 18
2015 Physics and Astronomy Colloquium, University of Toledo, Toledo, OH, Dec 10

2015 Physics and Astronomy Colloquium, Vanderbilt University, Nashville, TN, Nov 3
2015 Astronomy and Astrophysics Colloquium, University of Toronto, Toronto, Canada, Oct 9
2015 Colloquium, European Space Astronomy Centre, Madrid, Spain, Jul 23
2015 Astronomy Department Colloquium, University of Texas, Austin, TX, Apr 21
2015 Astrophysics Colloquium, Massachusetts Institute of Technology, Cambridge, MA, Mar 31
2015 *Transition Disks and Planet Formation, Leiden, Netherlands, Mar 2 – 6
2015 Physics and Astronomy Department Colloquium, Amherst College, Amherst, MA, Feb 24
2015 *Revealing the Structure of Protoplanetary Disks, Morelia, Mexico, Jan 25 – 28
2014 Joint Astronomy Department and Institute for Advanced Study Colloquium, Princeton University, Princeton, NJ, Nov 24
2014 *Disks and Planet Formation, University of Michigan, Ann Arbor, MI, Oct 12 – 14
2014 *Observations and Modeling of Circumstellar Disks, Puebla, Mexico, Jun 30 – Jul 11
2014 Planetary Science Seminar, Caltech, Pasadena, CA, May 29
2014 Colloquium, Lowell Observatory, Flagstaff, AZ, Mar 13
2014 Astronomy Department Colloquium, Penn State, State College, PA, Feb 19
2013 Astronomy Department Colloquium, Wesleyan University, Middletown, CT, Apr 24
2013 *Transformational Science with ALMA, North American ALMA Science Center, Hilo, HI, Apr 8 – 12
2013 Astronomy Department Colloquium, Boston University, Boston, MA, Mar 18
2013 Physics and Astronomy Department Colloquium, Rice University, Houston, TX, Mar 13
2013 Astronomy Department Colloquium, Harvard University, Cambridge, MA, Mar 1
2013 Physics Department Colloquium, University of California San Diego, San Diego, CA, Feb 27
2013 Joint University of Virginia and NRAO Astronomy Colloquium, NRAO, Charlottesville, VA, Feb 21
2013 Astronomy Department Colloquium, University Massachusetts, Amherst, MA, Jan 31
2012 Star Formation Seminar, Vanderbilt University, Nashville, TN, Dec 7
2012 Rackham Distinguished Alumni Lecture, University of Michigan, Ann Arbor, MI, Oct 18
2012 Astronomy Department Colloquium, University of Florida, Gainesville, FL, Sep 5
2012 Astronomy Department Colloquium, Universidad Nacional Autonoma de Mexico, Morelia, Mexico, Mar 20
2012 *New Quests in Stellar Astrophysics III, Puerto Vallarta, Mexico, Mar 12 – 16
2012 Department of Astrophysics Seminar, American Museum of Natural History, New York, NY, Jan 31
2011 Astronomy Department Colloquium, Boston University, Boston, MA, Nov 7
2011 Astronomy Department Colloquium, Yale University, New Haven, CT, Oct 27
2011 *Signposts of Planets, NASA Goddard, Greenbelt, MD, Oct 18 – 20
2011 *National Society of Black/Hispanic Physicists, Austin, TX, Sep 21 – 25

INVITED RESEARCH WORKSHOPS

2023 "Provenances of the Solar System," International Space Science Institute, Bern, Switzerland, Feb 16 – 19

2020 "Provenances of the Solar System," International Space Science Institute, Bern, Switzerland, Feb 16 – 21
2019 "Time-Domain Astrophysics Scialog," Research Corporation for Science Advancement, Tucson, AZ, May 9 –12
2018 "29th Symposium on Kavli Frontiers of Science," National Academy of Sciences, Irvine, CA, Feb 15 – 17
2017 "Confronting MHD Theories of Accretion Disks with Observations," Kavli Institute for Theoretical Physics, Santa Barbara, CA, Feb 6 - Mar 17
2016 "28th Symposium on Kavli Frontiers of Science," National Academy of Sciences, Irvine, CA, Nov 4 – 6

CONTRIBUTED RESEARCH TALKS
Talks given at conferences are denoted with asterisks.

2024 *TESS Science Conference III, Cambridge, MA, Jul 29 – Aug 2
2020 *5th Network for UV Astronomy Workshop, Vitoria, Spain, Oct 27 – 29
2017 *MA-CT Regional Star Formation Meeting, New Haven, CT, Jan 27
2015 *Frontiers in Star Formation, Ann Arbor, MI, Jun 18 – 19
2013 *International Astronomical Union Symposium 299, Victoria, Canada, Jun 2 – 7
2013 *From Stars to Life, Gainesville, FL, Apr 3 – 6
2013 *American Astronomical Society, Long Beach, CA, Jan 6 – 10
2012 Seminar, Princeton University, Princeton, NJ, Nov 28
2012 *Sagan/Michelson Fellows Symposium, Pasadena, CA, Nov 8 – 9
2012 *American Astronomical Society, Anchorage, AK, Jun 10 – 14
2012 Seminar, University Lethbridge, Lethbridge, Canada, May 30
2012 Seminar, Arcetri Observatory, Florence, Italy, May 15
2011 Astrophysics Brown Bag Lunch Talk, Massachusetts Institute of Technology, Boston, MA, Nov 21
2011 Seminar, Cerro Tololo International Observatory, La Serena, Chile, Jun 16
2011 FOST Seminar, Observatoire de Grenoble, Grenoble, France, May 13
2011 *Transport Processes in YSOs, Ringberg, Germany, Feb 7 – 11
2011 *American Astronomical Society, Seattle, WA, Jan 9 – 13
2011 *NSF Astronomy and Astrophysics Postdoctoral Fellow Symposium, Seattle, WA, Jan 8 – 9
2010 *American Astronomical Society, Washington, D.C, Jan 3 – 7
2010 *NSF Astronomy and Astrophysics Postdoctoral Fellow Symposium, Washington, D.C, Jan 2 – 3
2009 Radio and Geoastronomy Division Lunch Talk, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA, Nov 20
2009 *Postdoc Symposium, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA, Oct 14
2009 *American Astronomical Society, Long Beach, CA, Jan 4 – 8
2008 Graduate Student Colloquium, Universidad Nacional Autonoma de Mexico, Morelia, Mexico, Mar 11
2008 *National Society of Black/Hispanic Physicists, Washington, D.C., Feb 20 – 23
2008 *American Astronomical Society, Austin, TX, Jan 7 – 11

2007 Seminar, Cerro Tololo International Observatory, La Serena, Chile, Feb 1

TEACHING

Undergraduate Majors Courses
Principles of Astronomy II, AS203 (Spring 2015, 2018, 2019, 2020, 2022, 2023, 2025)

Undergraduate Non-Majors Courses
The Solar System, AS101 (Fall 2014, 2015, 2016, 2019)
The Astronomical Universe, AS102 (Fall 2022, 2023, 2024)

Graduate Courses
Gravitational Astrophysics, AS725 (Spring 2016)
Special Topics in Astrophysics, AS791 (Spring 2014)
Astrophysics Seminar, AS850/851 (Fall 2018, 2023, Spring 2019, 2024)

RESEARCH MENTORING

Postdoctoral Researchers
2021 – 2024	Thanawuth Thanathibodee
2016 – 2019	Enrique Macias
2015 – 2018	Alvaro Ribas
2014 – 2015	Laura Ingleby

PhD Students
2024 – Present	Naiara Patino (PhD candidate)
2024 – Present	Maire Volz (PhD candidate)
2022 – Present	Luisa Zamudio (PhD candidate)
2020 – Present	Caeley Pittman (PhD candidate)
2018 – 2024	John Wendeborn (PhD)
2017 – 2022	Anneliese Rilinger (PhD)
2015 – 2021	Sierra Grant (PhD)
2014 – 2020	Connor Robinson (PhD)

Post-baccalaureate Students
2024	Sophia Lopez
2023 – 2023	Zihua Xin
2018 – 2019	Jonah Paasche-Orlow

Undergraduate Students
2023 – 2024	Tiphany Thaiduc, Boston University
2022 – 2024	Sophia Lopez, Boston University
2020 – 2022	Caleb Scott-Joseph, Swarthmore College
2022	Nicole Flors, Boston University Undergraduate Research Opportunities Program
2020 – 2022	Zihua Xin, Boston University

2018 – 2019	Sarah Luettgen, Boston University
2016 – 2019	Evan Leto, Boston University
2016 – 2018	Jonah Paasche-Orlow, Boston University Kilachand Honors College Thesis
2017	Adam Rubinstein, NSF Research Experiences for Undergraduates
2016 – 2017	Amanda Reveles, Boston University
2016	Marah Brinjikji, NSF Research Experiences for Undergraduates
2015	Nathaniel Avish, Boston University
2014 – 2015	Matt Rutala, NSF Research Experiences for Undergraduates
2014	Rachel Schlueter, Boston University
2012 – 2013	Corinne Tu, Harvard University Senior Undergraduate Thesis
2012 – 2013	Diana Powell, Harvard University Junior Undergraduate Thesis
2012	Margaret Landis, NSF Research Experiences for Undergraduates
2011	Alexander Spatzier, NSF Research Experiences for Undergraduates
2009	Justin Nieusma, University of Michigan

High-School Students

2018 – 2019	Caleb Scott-Joseph, Boston University Academy (Senior Thesis Project)

SERVICE

PhD Dissertation Committees

2024 Connor O'Brien, Boston University (chair)
2024 Ardjan Strum, Leiden University (reader)
2022 Anneliese Rilinger, Boston University (primary advisor)
2021 Sierra Grant, Boston University (primary advisor)
2020 Connor Robinson, Boston University (primary advisor)
2020 Ezequiel Manzo-Martinez, Universidad Nacional Autonoma de Mexico (member)
2020 Eunkyu Han, Boston University (member)
2019 Phillip Phipps, Boston University (member)
2018 Mark Veyette, Boston University (member)
2018 Jordan Montgomery, Boston University (member)
2017 Christopher Theissen, Boston University (member)
2016 Ewan Douglas, Boston University (member)
2016 Dolon Bhattacharyya, Boston University (member)
2016 Sadia Hoq, Boston University (member)
2015 Alvaro Ribas, Autonoma Universidad de Madrid (member)
2014 Patricio Nunez, Boston University (member)

Conference Organizing Committees

2025 Member, The Role of Accretion and Ejection Variability in the Evolution of Young Stars and their Disks, Munich, Germany, May 19 – 22
2024 Member, ULLYSES: Continuing the Voyage of Discovery, Baltimore, MD, Mar 11 – 14
2023 Co-chair, First Year of *JWST* Science, Baltimore, MD, Sep 11 – 14
2022 Member, Cool Stars 21 Splinter Session Organizing Committee, Toulouse, France, Jul 7
2021 Member, Star Formation: From Clouds to Discs, Dublin, Ireland, Oct 18 – 21

2021 Session Chair, Cool Stars 20.5, Boston, MA, Mar 2 – 4
2021 Session Chair, COSPAR, Sydney, Australia, Jan 29 – 31
2020 Member, Planet Formation Five Years after HL Tau, Santiago, Chile, Dec 7 – 11
2019 Chair, Boston Area Exoplanet Science Meeting, Boston, MA, Jan 15
2019 Member, Horizons in Planetary Systems, Victoria, Canada, May 13 – 17
2019 Member, New England Star Formation Meeting, Amherst, MA, Jan 18
2018 Member, Cool Stars, Boston, MA, Jul 29 – Aug 3
2018 Member, Kavli Frontiers of Science, Irvine, CA, Feb 15 – 17
2018 Member, Accretion in Stellar Systems, Cambridge, MA, Aug 8 – 10
2018 Chair, New England Star Formation Meeting, Boston, MA, Jan 16
2017 Member, Disks, Dynamos and Data, Santa Barbara, CA, Feb 6 – 10
2017 Member, New England Star Formation Meeting, New Haven, CT, Jan 27
2016 Chair, NRAO Live ALMA Proposal Workshop, Boston, MA, Mar 7 – 8
2015 Member, Frontiers in Star Formation, Ann Arbor, MI, Jun 18 – 19
2015 Session Chair, Frontiers in Star Formation, Ann Arbor, MI, Jun 18 – 19
2015 Session Chair, Transition Disks and Planet Formation, Leiden, Netherlands, Mar 2 – 6
2014 Session Chair, The SMA: First Decade of Discovery, Cambridge, MA, Jun 9 – 10

Professional Committees and Working Groups

2024 – Present	AAAS Nominations and Leadership Development Chair of Section D
2023 – Present	*JWST* Users Committee
2022 – Present	AXIS Stars and Exoplanets Science Working Group
2023	NOIRlab Independent Review Committee
2022 – 2023	FIRSST Science Steering Committee
2020 – 2023	Nexus for Exoplanet System Science Steering Committee
	Committee on Communication and Engagement
2017 – 2024	Association of Universities for Research in Astronomy Member Representative
2019 – 2022	Association of Universities for Research in Astronomy Advisory Committee on Communication and Engagement
2019 – 2022	Science Advisory Committee, *HST* UV Legacy DDT Initiative
2018 – 2019	NASA Great Observatories Science Analysis Group
2016 – 2019	American Astronomical Society van Beisbroeck Prize Committee
2014 – 2018	Planet Formation Imager Science Working Group Topic Coordinator

Reviewer for Publications

Astronomy & Astrophysics Journal, Astronomy & Astrophysics Journal Letters, Astrophysical Journal, Astrophysical Journal Letters, Monthly Notices of the Royal Astronomical Society, The National Academies Press, "Pathways to Discovery in Astronomy and Astrophysics for the 2020s" (June – July 2021) and "Decadal Survey on Astronomy and Astrophysics 2020: Science Panel Appendixes" (July – August 2020)

Reviewer on Panels

2023 External Reviewer, *James Webb Space Telescope* Time Allocation Committee
2023 External Reviewer, Irish Research Council
2022 Panel Chair, *Hubble Space Telescope* Time Allocation Committee

2022 Reviewer, *Hubble Space Telescope* Time Allocation Executive Committee
2021 External Reviewer, *Hubble Space Telescope* Time Allocation Committee
2020 External Reviewer, French National Research Agency
2019 External Reviewer, FONDECYT
2019 Panel Chair, ALMA Time Allocation Committee
2019 Reviewer, ALMA Time Allocation Executive Committee
2019 External Reviewer, *Hubble Space Telescope* Time Allocation Committee
2018 External Reviewer, NASA Emerging Worlds Program
2018 External Reviewer, *Hubble Space Telescope* Time Allocation Committee
2017 Reviewer, NASA Exoplanet Research Program
2016 Panel Chair, NASA IRTF Time Allocation Committee
2015 External Reviewer, Royal Society University Research Fellowships
2015 Reviewer, ALMA Time Allocation Committee
2015 Reviewer, *Hubble Space Telescope* Time Allocation Committee
2015 Reviewer, NASA IRTF Time Allocation Committee
2014 External Reviewer, NASA Exoplanet Research Program
2014 External Reviewer, NASA Emerging Worlds Program
2014 Reviewer, *Chandra* Time Allocation Committee
2014 Reviewer, NASA IRTF Time Allocation Committee
2014 Reviewer, NASA NESSF Graduate Fellowship Program
2013 Reviewer, NSF Astronomy and Astrophysics Grants Program
2013 Reviewer, *Hubble Space Telescope* Time Allocation Committee

University Service

2023 – 2024	Mentor, D&I STARS
2019 – 2020	Organizer, Tertulia: The Junior Faculty Colloquium
2019 – 2020	Faculty Mentor, Alpha Sigma Kappa
2019	Organizer, Engaging in Research Collaborations Workshop, Nov 21
2018	Speaker, Minority Connection Initiative Professor Office Hours, Nov 9
2018	Speaker, Research Computing Governance Committee Meeting, Sept 14
2015 – 2018	Member, College of Arts and Sciences Writing Board

Department Service

2022 – Present	Director, Institute for Astrophysical Research
2021 – Present	Director of Undergraduate Studies
2014 – Present	Undergraduate Academic Advisor
2022 – 2024	Co-Chair, Astronomy Undergraduate Program Review Committee
2023 – 2024	Chair, Astronomy Department Faculty Search Committee
2019 – 2020	Faculty Host, Institute for Astrophysical Research Seminar Series
2015 – 2020	Member, Women as Leaders in Astronomy
2013 – 2020	Reviewer, Lowell Discovery Telescope Time Allocation Committee
2014 – 2019	Member, Graduate Comprehensive Examination Board
2019	Joint Boston University and Boston Latin High School Observing Night, Oct 18
2018 – 2019	Organizer, Institute for Astrophysical Research Seminar Series
2018	Interim Director, Institute for Astrophysical Research

2017	Chair, Graduate Admissions Committee
2013 – 2017	Member, Graduate Admissions Committee
2016	Judge, Art of Astrophysics Contest
2015	Interim Chair, Graduate Admissions Committee
2014	Department Representative, Undergraduate Majors Fair
2010 – 2012	Organizer, Radio and Geoastronomy Lunch Talks, Harvard-Smithsonian Center for Astrophysics

OUTREACH

Program Activities

2015 – Present Founding Director, League of Underrepresented Minoritized Astronomers
Created a peer mentoring program for over 100 underrepresented minority faculty, research scientists, postdoctoral researchers, and graduate students in astronomy, physics, and planetary science.

2012 – 2015 Mentor, Mellon Mays Mentoring Program, Woodrow Wilson National Fellowship Foundation
Mentored two underrepresented minority graduate students.

2009 – 2012 Coordinator, Women in STEM Mentors Program, Harvard College
Directed a program that paired female graduate and undergraduate students in mentoring relationships. Restructured the program and tripled enrollment to over 200. Supervised two undergraduate student interns.

2008 – 2009 Coordinator, NSF AGEP Mentoring Program, University of Michigan
Coordinated program for 40 underrepresented minority students in STEM. Supervised six graduate student mentors and mentored two second-year graduate students.

2006 – 2008 Mentor, Rackham Mentoring Program, University of Michigan
Mentored 20 first-year graduate students in STEM.

Invited Outreach Talks

2025 Culture and Community Seminar, Carnegie Earth and Planets Laboratory, Washington, DC, June 6
2024 Conversations on Inclusion and Equity, University of Michigan, Ann Arbor, MI, Nov 22
2024 Watertown Public Library, Watertown, MA, Apr 2
2022 Women's Guild Speaker's Series, Boston University, Boston, MA, Nov 9
2021 Day of Diversity in STEM, Boston University, Boston, MA, Apr 1
2020 Public Talk, Central Florida Astronomical Society, Orlando, FL, Nov 11
2020 Public Talk, Florida Institute of Technology, Melbourne, FL, Oct 23
2020 Dean Astronomy Lecture, California Academy of Sciences, San Francisco, CA, Jan 13
2019 Institute of Theory and Computation Colloquium, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA, Feb 7
2018 Northeast Graduate Women in Science and Engineering, Cambridge, MA, Aug 17
2018 Latino Initiative Summer Seminar, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA, Aug 13

2015 Graduate Women in Science and Engineering Mentoring Program, Boston University, Boston, MA, Oct 27
2015 NSF AGEP Symposium Keynote, University of Michigan, Ann Arbor, MI, Mar 20
2014 Graduate Women in Science and Engineering Mentoring Program, Boston University, Boston, MA, Oct 27
2014 Science Engineering and Technology in the City, Boston University, Boston, MA, Apr 12
2012 Masters-to-PhD Bridge Program, Vanderbilt University, Nashville, TN, Dec 6
2010 Latina Empowerment Development Conference, Cambridge, MA, Nov 14

Invited Outreach Panels

2025 STEM Panel, Latina Empowerment Development Conference, Cambridge, MA, Feb 8
2022 Trailblazers in Engineering, Purdue University, West Lafayette, IN, Jul 26
2019 Research Opportunities for Young Women, Boston University, Boston, MA, Jul 10
2019 Scientista Symposium, Boston, MA, Mar 29 – 31
2017 Latino Initiative Discussion on STEM Innovators, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA, Aug 4
2015 Banneker Institute, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA, Jul 17
2015 Vanguard: Conversations with Women of Color in STEM, Boston, MA, Jul 7

PUBLICATIONS LIST

Below I list my peer-reviewed publications. My name is in bold font. Postdoctoral researchers are underlined. Students are underlined and italicized, with graduate students noted with an asterisk and undergraduates indicated with two asterisks. I denote the papers on which I am the first author or advisor using the ‡ symbol.

122. The edge-on disc Tau 042021: Icy grains at high altitudes and a wind containing astronomical polycyclic aromatic hydrocarbons
Dartois, E., J. A. Noble, M. K. McClure, J. A. Sturm, T. L. Beck, N. Arulanantham, M. N. Drozdovskaya, **C. C. Espaillat**, D. Harsono, M.-E. Palumbo, Y. J. Pendleton, and K. M. Pontoppidan,
2025, *Astronomy & Astrophysics*, 698, A8.
https://ui.adsabs.harvard.edu/abs/2025A&A...698A...8D

121. The UV Legacy Library of Young Stars as Essential Standards (ULLYSES) Large Director's Discretionary Program with Hubble. I. Goals, Design, and Initial Results
Roman-Duval, J., W. J. Fischer, A. W. Fullerton, J. Taylor, R. Plesha, C. Proffitt, T. Monroe, T. C. Fischer, A. Aloisi, J.-C. Bouret, C. Britt, N. Calvet, J. K. Carlberg, P. A. Crowther, G. De Rosa, W. V. Dixon, **C. C. Espaillat**, C. J. Evans, A. J. Fox, K. France, M. Garcia, S. W. Fleming, E. M. Frazer, A. I. Gómez de Castro, G. J. Herczeg, S. Hernandez, A. S. Hirschauer, B. L. James, C. M. Johns-Krull, C. Leitherer, S. Lockwood, J. Najita, M. S. Oey, C. Oliveira, T. Pauly, I. N. Reid, A. Riedel, D. R. Rodriguez, D. Sahnow, R. Sankrit, K. R. Sembach, R. Shaw, L. J. Smith, S. T. Sohn, D. Som, L. Úbeda, and D. E. Welty,
2025, *Astrophysical Journal*, 985, 109.
https://ui.adsabs.harvard.edu/abs/2025ApJ...985..109R

120. Unstable accretion in TW Hya: 3D simulations and comparisons with observations
Romanova, M. M., **C. C. Espaillat**, *J. Wendeborn**, J.-F. Donati, P. P. Petrov, and R. V. E. Lovelace,
2025, *Monthly Notices of the Royal Astronomical Society*, 538, 480.
https://ui.adsabs.harvard.edu/abs/2025MNRAS.538..480R

119. A giant planet transiting a 3-Myr protostar with a misaligned disk
Barber, M. G., A. W. Mann, A. Vanderburg, D. Krolikowski, A. Kraus, M. Ansdell, L. Pearce, G. N. Mace, S. M. Andrews, A. W. Boyle, K. A. Collins, M. De Furio, D. Dragomir, **C. Espaillat**, A. D. Feinstein, M. Fields, D. Jaffe, A. I. Lopez Murillo, F. Murgas, E. R. Newton, E. Palle, E. Sawczynec, R. P. Schwarz, P. C. Thao, B. M. Tofflemire, C. N. Watkins, J. M. Jenkins, D. W. Latham, G. Ricker, S. Seager, R. Vanderspek, J. N. Winn, D. Charbonneau, Z. Essack, D. R. Rodriguez, A. Shporer, J. D. Twicken, and J. N. Villaseñor,
2024, *Nature*, 635, 574.
https://ui.adsabs.harvard.edu/abs/2024Natur.635..574B

‡118. A Model of the C IV λ λ1548, 1550 Doublet Line in T Tauri Stars
Thanathibodee, T., C. E. Robinson, N. Calvet, **C. C. Espaillat**, *C. V. Pittman**, N. Arulanantham, K. France, H. M. Günther, S.-J. Chang, and P. C. Schneider,
2024, *Astrophysical Journal*, 975, 193.
https://ui.adsabs.harvard.edu/abs/2024ApJ...975..193T

‡117. Evidence for Dust Depletion in a Misaligned Protoplanetary Disk with JWST
Espaillat, C. C., T. Thanathibodee, Z. Zhu, I. Rabago, *J. Wendeborn**, N. Calvet, *L. Zamudio-Ruvalcaba**, *M. Volz**, *C. Pittman**, M. McClure, J. F. Babb, R. Franco-Hernández, E. Macías, M. Reynolds, and P.-G. Yan,
2024, *Astrophysical Journal Letters*, 973, L16.
https://ui.adsabs.harvard.edu/abs/2024ApJ...973L..16E

‡116. A Multiwavelength, Multiepoch Monitoring Campaign of Accretion Variability in T Tauri Stars from the ODYSSEUS Survey. III. Optical Spectra
*Wendeborn, J.**, **C. C. Espaillat**, T. Thanathibodee, C. E. Robinson, *C. V. Pittman**, N. Calvet, J. Muzerolle, F. M. Walter, J. Eislöffel, E. Fiorellino, C. F. Manara, Á. Kóspál, P. Ábrahám, R. Claes, E. Rigliaco, L. Venuti, J. Campbell-White, P. McGinnis, M. Gangi, K. Mauco, F. Gameiro, A. Frasca, and Z. Guo,
2024, *Astrophysical Journal*, 972, 100.
https://ui.adsabs.harvard.edu/abs/2024ApJ...972..100W

115. Eccentricity and inclination of massive planets inside low-density cavities: results of 3D simulations
Romanova, M. M., A. V. Koldoba, G. V. Ustyugova, **C. Espaillat**, and R. V. E. Lovelace,
2024, *Monthly Notices of the Royal Astronomical Society*, 532, 3509.
https://ui.adsabs.harvard.edu/abs/2024MNRAS.532.3509R

‡114. A Multiwavelength, Multiepoch Monitoring Campaign of Accretion Variability in T Tauri Stars from the ODYSSEUS Survey. II. Photometric Light Curves

*Wendeborn, J.**, **C. C. Espaillat**, T. Thanathibodee, C. E. Robinson, *C. V. Pittman**, N. Calvet, Á. Kóspál, K. N. Grankin, F. M. Walter, Z. Guo, and J. Eislöffel,
2024, *Astrophysical Journal,* 971, 96.
https://ui.adsabs.harvard.edu/abs/2024ApJ...971...96W

‡113. A Multiwavelength, Multiepoch Monitoring Campaign of Accretion Variability in T Tauri Stars from the ODYSSEUS Survey. I. HST Far-UV and Near-UV Spectra
*Wendeborn, J.**, **C. C. Espaillat**, *S. Lopez***, T. Thanathibodee, C. E. Robinson, *C. V. Pittman**, N. Calvet, *N. Flors***, F. M. Walter, Á. Kóspál, K. N. Grankin, I. Mendigutía, H. M. Günther, J. Eislöffel, Z. Guo, K. France, E. Fiorellino, W. J. Fischer, P. Ábrahám, and G. J. Herczeg,
2024, *Astrophysical Journal*, 970, 118.
https://ui.adsabs.harvard.edu/abs/2024ApJ...970..118W

112. JWST MIRI MRS Images of Disk Winds, Water, and CO in an Edge-on Protoplanetary Disk
Arulanantham, N., M. K. McClure, K. Pontoppidan, T. L. Beck, J. A. Sturm, D. Harsono, A. C. A. Boogert, M. Cordiner, E. Dartois, M. N. Drozdovskaya, **C. Espaillat**, G. J. Melnick, J. A. Noble, M. E. Palumbo, Y. J. Pendleton, H. Terada, and E. F. van Dishoeck,
2024, *Astrophysical Journal Letters*, 965, L13.
https://ui.adsabs.harvard.edu/abs/2024ApJ...965L..13A

111. A dusty streamer infalling onto the disk of a class I protostar. ALMA dual-band constraints on grain properties and the mass-infall rate
Cacciapuoti, L., E. Macias, A. Gupta, L. Testi, A. Miotello, **C. Espaillat**, M. Küffmeier, S. van Terwisga, J. Tobin, S. Grant, C. F. Manara, D. Segura-Cox, *J. Wendeborn**, R. S. Klessen, A. J. Maury, U. Lebreuilly, P. Hennebelle, and S. Molinari,
2024, *Astronomy & Astrophysics*, 682, A61.
https://ui.adsabs.harvard.edu/abs/2024A&A...682A..61C

‡110. JWST Detects Neon Line Variability in a Protoplanetary Disk
Espaillat, C. C., T. Thanathibodee, *C. V. Pittman**, J. A. Sturm, M. K. McClure, N. Calvet, F. M. Walter, R. Franco-Hernández, and J. Muzerolle Page,
2023, *Astrophysical Journal Letters*, 958, L4.
https://ui.adsabs.harvard.edu/abs/2023ApJ...958L...4E

109. Twenty-five Years of Accretion onto the Classical T Tauri Star TW Hya
Herczeg, G. J., Y. Chen, J.-F. Donati, A. K. Dupree, F. M. Walter, L. A. Hillenbrand, C. M. Johns-Krull, C. F. Manara, H. M. Günther, M. Fang, P. C. Schneider, J. A. Valenti, S. H. P. Alencar, L. Venuti, J. M. Alcalá, A. Frasca, N. Arulanantham, J. L. Linsky, J. Bouvier, N. S. Brickhouse, N. Calvet, **C. C. Espaillat**, J. Campbell-White, J. M. Carpenter, S.-J. Chang, K. L. Cruz, S. E. Dahm, J. Eislöffel, S. Edwards, W. J. Fischer, Z. Guo, T. Henning, T. Ji, J. Jose, J. H. Kastner, R. Launhardt, D. A. Principe, C. E. Robinson, J. Serna, M. Siwak, M. F. Sterzik, and S. Takasao,
2023, *Astrophysical Journal*, 956, 102.
https://ui.adsabs.harvard.edu/abs/2023ApJ...956..102H

108. The ALMA view of MP Mus (PDS 66): a protoplanetary disk with no visible gaps down to 4 au scales
Ribas, Á., E. Macías, P. Weber, S. Pérez, N. Cuello, R. Dong, A. Aguayo, C. Cáceres, J. Carpenter, W. R. F. Dent, I. de Gregorio-Monsalvo, G. Duchêne, **C. C. Espaillat**, P. Riviere-Marichalar, and M. Villenave,
2023, *Astronomy & Astrophysics*, 673, 77.
https://ui.adsabs.harvard.edu/abs/2023A%26A...673A..77R/

107. Lyα Scattering Models Trace Accretion and Outflow Kinematics in T Tauri Systems
Arulanantham, N., M. Gronke, E. Fiorellino, J. F. Gameiro, A. Frasca, J. Green, S.-J. Chang, R. A. B. Claes, **C. C. Espaillat**, K. France, G. J. Herczeg, C. F. Manara, L. Venuti, P. Ábrahám, R. Alexander, J. Bouvier, J. Campbell-White, J. Eislöffel, W. J. Fischer, Á. Kóspál, and M. Vioque,
2023, *Astrophysical Journal*, 944, 185.
https://ui.adsabs.harvard.edu/abs/2023ApJ...944..185A

‡106. Determining Dust Properties in Protoplanetary Disks: SED-derived Masses and Settling With ALMA
*Rilinger, A.**, **C. Espaillat**, *Z. Xin***, Á. Ribas, E. Macías, and *S. Luettgen***,
2023, *Astrophysical Journal*, 944, 66.
https://ui.adsabs.harvard.edu/abs/2023ApJ...944...66R

‡105. Measuring the Dust Masses of Protoplanetary Disks in Lupus with ALMA: Evidence that Disks can be Optically Thick at 3 mm
*Xin, Z.***, **C. C. Espaillat**, *A. M. Rilinger**, A. Ribas, and E. Macias,
2023, *Astrophysical Journal*, 942, 4.
https://ui.adsabs.harvard.edu/abs/2023ApJ...942....4X

‡104. Towards a comprehensive view of accretion, inner disks, and extinction in classical T Tauri stars: an ODYSSEUS study of the Orion OB1b association
*Pittman, C. V.**, **C. C. Espaillat**, C. E. Robinson, T. Thanathibodee, N. Calvet, *J. Wendeborn**, J. Hernández, C. F. Manara, F. Walter, P. Ábrahám, J. M. Alcalá, S. H. P. Alencar, N. Arulanantham, S. Cabrit, J. Eislöffel, E. Fiorellino, K. France, M. Gangi, K. Grankin, G. J. Herczeg, Á. Kóspál, I. Mendigutía, J. Serna, and L. Venuti,
2022, *Astronomical Journal*, 164, 201.
https://ui.adsabs.harvard.edu/abs/2022AJ....164..201P

‡103. Understanding Accretion Variability Through TESS Observations of Taurus
*Robinson, C. E.**, **C. C. Espaillat**, and J. E. Rodriguez,
2022, *Astrophysical Journal*, 935, 54.
https://ui.adsabs.harvard.edu/abs/2022ApJ...935...54R

102. Gemini-LIGHTS: Herbig Ae/Be and massive T-Tauri protoplanetary disks imaged with Gemini Planet Imager
Rich, E. A., J. D. Monnier, A. Aarnio, A. S. E. Laws, B. R. Setterholm, D. J. Wilner, N. Calvet, T. Harries, C. Miller, C. L. Davies, F. C. Adams, S. M. Andrews, J. Bae, **C. Espaillat**, A. Z.

Greenbaum, S. Hinkley, S. Kraus, L. Hartmann, A. Isella, M. McClure, R. Oppenheimer, L. M. Pérez, and Z. Zhu,
2022, *Astronomical Journal*, 164, 109.
https://ui.adsabs.harvard.edu/abs/2022AJ....164..109R

101. RW Aur A: SpeX Spectral Evidence for Differentiated Planetesimal Formation, Migration, and Destruction in an 3 Myr Old Excited CTTS System
Lisse, C. M., M. L. Sitko, S. J. Wolk, H. M. Günther, S. Brittain, J. D. Green, J. Steckloff, B. Johnson, C. **C. Espaillat**, M. Koutoulaki, S. Y. Moorman, and A. P. Jackson,
2022, *Astrophysical Journal*, 928, 189.
https://ui.adsabs.harvard.edu/abs/2022ApJ...928..189L

‡100. The ODYSSEUS Survey. Motivation and First Results: Accretion, Ejection, and Disk Irradiation of CVSO 109
Espaillat, C. C., G. J. Herczeg, T. Thanathibodee, *C. Pittman**, N. Calvet, N. Arulanantham, K. France, J. Serna, J. Hernández, Á. Kóspál, F. M. Walter, A. Frasca, W. J. Fischer, C. M. Johns-Krull, P. C. Schneider, C. Robinson, S. Edwards, P. Ábrahám, M. Fang, J. Erkal, C. F. Manara, J. M. Alcalá, E. Alecian, R. D. Alexander, J. Alonso-Santiago, S. Antoniucci, D. R. Ardila, A. Banzatti, M. Benisty, E. A. Bergin, K. Biazzo, C. Briceño, J. Campbell-White, L. I. Cleeves, D. Coffey, J. Eislöffel, S. Facchini, D. Fedele, E. Fiorellino, D. Froebrich, M. Gangi, T. Giannini, K. Grankin, H. M. Günther, Z. Guo, L. Hartmann, L. A. Hillenbrand, P. C. Hinton, J. H. Kastner, C. Koen, K. Maucó, I. Mendigutía, B. Nisini, N. Panwar, D. A. Principe, M. Robberto, A. Sicilia-Aguilar, J. A. Valenti, *J. Wendeborn**, J. P. Williams, Z. Xu, and R. K. Yadav,
2022, *Astronomical Journal*, 163, 114.
https://ui.adsabs.harvard.edu/abs/2022AJ....163..114E

‡99. Tracing Accretion onto Herbig Ae/Be Stars Using the Brγ Line
*Grant, S. L.**, **C. C. Espaillat**, S. Brittain, *C. Scott-Joseph***, and N. Calvet,
2022, *Astrophysical Journal*, 926, 229.
https://ui.adsabs.harvard.edu/abs/2022ApJ...926..229G

98. Near-infrared Polarization from Unresolved Disks around Brown Dwarfs and Young Stellar Objects
Clemens, D. P., T. G. S. Pillai, *A. M. Rilinger**, and **C. C. Espaillat**,
2022, *Astrophysical Journal*, 926, 67.
https://ui.adsabs.harvard.edu/abs/2022ApJ...926...67C

‡97. Testing the Potential for Radio Variability in Disks around T Tauri Stars with Observations and Chemical Modeling
Espaillat, C. C., E. Macías, *J. Wendeborn**, R. Franco-Hernández, N. Calvet, *A. Rilinger**, L. I. Cleeves, and P. D'Alessio,
2022, *Astrophysical Journal*, 924, 104.
https://ui.adsabs.harvard.edu/abs/2022ApJ...924..104E

96. The dispersal of protoplanetary discs - III. Influence of stellar mass on disc photoevaporation
Picogna, G., B. Ercolano, and **C. C. Espaillat**,

2021, *Monthly Notices of the Royal Astronomical Society*, 508, 3611.
https://ui.adsabs.harvard.edu/abs/2021MNRAS.508.3611P

‡95. Disk Masses and Dust Evolution of Protoplanetary Disks around Brown Dwarfs
*Rilinger, A. M.** and **C. C. Espaillat**,
2021, *Astrophysical Journal*, 921, 182.
https://ui.adsabs.harvard.edu/abs/2021ApJ...921..182R

94. UV Fluorescence Traces Gas and Lyα Evolution in Protoplanetary Disks
Arulanantham, N., K. France, K. Hoadley, P. C. Schneider, **C. C. Espaillat**, H. M. Günther, G. J. Herczeg, and A. Brown,
2021, *Astronomical Journal*, 162, 185.
https://ui.adsabs.harvard.edu/abs/2021AJ....162..185A

‡93. Measuring the density structure of an accretion hot spot
Espaillat, C. C., *C. E. Robinson**, M. M. Romanova, T. Thanathibodee, *J. Wendeborn**, N. Calvet, M. Reynolds, and J. Muzerolle,
2021, *Nature*, 597, 41.
https://ui.adsabs.harvard.edu/abs/2021Natur.597...41E

‡92. An ALMA Survey of Protoplanetary Disks in Lynds 1641
*Grant, S. L.**, **C. C. Espaillat**, *J. Wendeborn**, J. J. Tobin, E. Macías, *A. Rilinger**, Á. Ribas, S. T. Megeath, W. J. Fischer, N. Calvet, and K. Hee Kim,
2021, *Astrophysical Journal*, 913, 123.
https://ui.adsabs.harvard.edu/abs/2021ApJ...913..123G

91. PENELLOPE: The ESO data legacy program to complement the *Hubble* UV Legacy Library of Young Stars (ULLYSES). I. Survey presentation and accretion properties of Orion OB1 and σ-Orionis
Manara, C. F., A. Frasca, L. Venuti, M. Siwak, G. J. Herczeg, N. Calvet, J. Hernandez, Ł. Tychoniec, M. Gangi, J. M. Alcalá, H. M. J. Boffin, B. Nisini, M. Robberto, C. Briceno, J. Campbell-White, A. Sicilia-Aguilar, P. McGinnis, D. Fedele, Á. Kóspál, P. Ábrahám, J. Alonso-Santiago, S. Antoniucci, N. Arulanantham, F. Bacciotti, A. Banzatti, G. Beccari, M. Benisty, K. Biazzo, J. Bouvier, S. Cabrit, A. Caratti o Garatti, D. Coffey, E. Covino, C. Dougados, J. Eislöffel, B. Ercolano, **C. C. Espaillat**, J. Erkal, S. Facchini, M. Fang, E. Fiorellino, W. J. Fischer, K. France, J. F. Gameiro, R. Garcia Lopez, T. Giannini, C. Ginski, K. Grankin, H. M. Günther, L. Hartmann, L. A. Hillenbrand, G. A. J. Hussain, M. M. James, M. Koutoulaki, G. Lodato, K. Maucó, I. Mendigutía, R. Mentel, A. Miotello, R. D. Oudmaijer, E. Rigliaco, G. P. Rosotti, E. Sanchis, P. C. Schneider, L. Spina, B. Stelzer, L. Testi, T. Thanathibodee, J. S. Vink, F. M. Walter, J. P. Williams, and G. Zsidi,
2021, *Astronomy & Astrophysics*, 650, A196.
https://ui.adsabs.harvard.edu/abs/2021A&A...650A.196M

90. A Coplanar Circumbinary Protoplanetary Disk in the TWA 3 Triple M Dwarf System
Czekala, I., Á. Ribas, N. Cuello, E. Chiang, E. Macías, G. Duchêne, S. M. Andrews, and **C. C. Espaillat**,

2021, *Astrophysical Journal*, 912, 6.
https://ui.adsabs.harvard.edu/abs/2021ApJ...912....6C

89. Characterizing the dust content of disk substructures in TW Hydrae
Macías, E., O. Guerra-Alvarado, C. Carrasco-González, Á. Ribas, **C. C. Espaillat**, J. Huang, and S. M. Andrews,
2021, *Astronomy & Astrophysics*, 648, A33.
https://ui.adsabs.harvard.edu/abs/2021A&A...648A..33M

‡88. Synthetic Light Curves of Accretion Variability in T Tauri Stars
*Robinson, C. E.**, **C. C. Espaillat**, and J. E. Owen,
2021, *Astrophysical Journal*, 908, 16.
https://ui.adsabs.harvard.edu/abs/2021ApJ...908...16R

‡87. Modeling protoplanetary disk SEDs with artificial neural networks. Revisiting the viscous disk model and updated disk masses
Ribas, Á., **C. C. Espaillat**, E. Macías, and L. M. Sarro,
2020, *Astronomy & Astrophysics*, 642, A171.
https://ui.adsabs.harvard.edu/abs/2020A&A...642A.171R

86. A triple-star system with a misaligned and warped circumstellar disk shaped by disk tearing
Kraus, S., A. Kreplin, A. K. Young, M. R. Bate, J. D. Monnier, T. J. Harries, H. Avenhaus, J. Kluska, A. S. E. Laws, E. A. Rich, M. Willson, A. N. Aarnio, F. C. Adams, S. M. Andrews, N. Anugu, J. Bae, T. ten Brummelaar, N. Calvet, M. Curé, C. L. Davies, J. Ennis, **C. Espaillat**, T. Gardner, L. Hartmann, S. Hinkley, A. Labdon, C. Lanthermann, J.-B. LeBouquin, G. H. Schaefer, B. R. Setterholm, D. Wilner, and Z. Zhu,
2020, *Science*, 369, 1233.
https://ui.adsabs.harvard.edu/abs/2020Sci...369.1233K

‡85. A Study of Millimeter Variability in FUor Objects
*Wendeborn, J.**, **C. C. Espaillat**, E. Macias, O. Feher, A. Kospal, L. Hartmann, Z. Zhu, M. M. Dunham, and M. Kounkel,
2020, *Astrophysical Journal*, 897, 54.
https://ui.adsabs.harvard.edu/abs/2020ApJ...897...54W

84. Irregular dust features around intermediate-mass young stars with GPI: signs of youth or misaligned disks?
Laws, A. S. E., T. J. Harries, B. R. Setterholm, J. D. Monnier, E. A. Rich, A. N. Aarnio, F. C. Adams, S. Andrews, J. Bae, N. Calvet, **C. Espaillat**, L. Hartmann, S. Hinkley, A. Isella, S. Kraus, D. Wilner, and Z. Zhu,
2020, *Astrophysical Journal*, 888, 7.
https://ui.adsabs.harvard.edu/abs/2020ApJ...888....7L

83. Probing CO and N2 Snow Surfaces in Protoplanetary Disks with N2H+ Emission
Qi, C., K. I. Oberg, **C. C. Espaillat**, *C. E. Robinson**, S. M. Andrews, D. J. Wilner, G. A. Blake, E. A. Bergin, and L. I. Cleeves,

2019, *Astrophysical Journal*, 882, 160.
https://ui.adsabs.harvard.edu/abs/2019ApJ...882..160Q

82. A study of accretion and disk diagnostics in the NGC 2264 cluster
Sousa, A. P., S. H. P. Alencar, L. M. Rebull, **C. C. Espaillat**, N. Calvet, and P. S. Teixeira,
2019, *Astronomy & Astrophysics*, 629, 67.
https://ui.adsabs.harvard.edu/abs/2019A%26A...629A..67S

‡81. Characterization of Ring Substructures in HD 169142 from Multi-Wavelength ALMA Observations
Macías, E., **C. C. Espaillat**, M. Osorio, G. Anglada, J. M. Torrelles, C. Carrasco- Gonzalez, M. Flock, H. Linz, G. H.-M. Bertrang, T. Henning, J. F. Gomez, N. Calvet, & W. R. F. Dent,
2019, *Astrophysical Journal*, 881, 159.
https://ui.adsabs.harvard.edu/abs/2019ApJ...881..159M

‡80. Modeling the Protoplanetary Disks of Two Brown Dwarfs in the Taurus Molecular Cloud
*Rilinger, A. M.**, **C. C. Espaillat**, and E. Macías,
2019, *Astrophysical Journal*, 878, 103.
https://ui.adsabs.harvard.edu/abs/2019ApJ...878..103R

‡79. Revealing the Star-Disk-Jet Connection in GM Aur Using Multiwavelength Variability
Espaillat, C. C., E. Macías, J. Hernández, and *C. E. Robinson**,
2019, *Astrophysical Journal Letters*, 877, L34.
https://ui.adsabs.harvard.edu/abs/2019ApJ...877L..34E

‡78. Using Multiwavelength Variability to Explore the Connection among X-Ray Emission, the Far-ultraviolet H2 Bump, and Accretion in T Tauri Stars
Espaillat, C. C., *C. E. Robinson**, *S. Grant**, and M. Reynolds,
2019, *Astrophysical Journal*, 876, 121.
https://ui.adsabs.harvard.edu/abs/2019ApJ...876..121E

‡77. Multiepoch Ultraviolet *HST* Observations of Accreting Low-mass Stars
*Robinson, C. E.** and **C. C. Espaillat**,
2019, *Astrophysical Journal*, 874, 129.
https://ui.adsabs.harvard.edu/abs/2019ApJ...874..129R

76. Multiple Spiral Arms in the Disk around Intermediate-mass Binary HD 34700A
Monnier, J. D., T. J. Harries, J. Bae, B. R. Setterholm, A. Laws, A. Aarnio, F. C. Adams, S. Andrews, N. Calvet, **C. Espaillat**, L. Hartmann, S. Kraus, M. McClure, C. Miller, R. Oppenheimer, D. Wilner, and Z. Zhu,
2019, *Astrophysical Journal*, 872, 122.
https://ui.adsabs.harvard.edu/abs/2019ApJ...872..122M

75. The CIDA Variability Survey of Orion OB1. II. Demographics of the Young, Low-mass Stellar Populations

Briceño, C., N. Calvet, J. Hernández, A. K. Vivas, C. Mateu, J. José Downes, J. Loerincs, A. Pérez-Blanco, P. Berlind, **C. Espaillat**, L. Allen, L. Hartmann, M. Mateo, and J. I. Bailey,
2019, *Astronomical Journal*, 157, 85.
https://ui.adsabs.harvard.edu/abs/2019AJ....157...85B

74. Imaging the disc rim and a moving close-in companion candidate in the pre-transitional disc of V1247 Orionis
Willson, M., S. Kraus, J. Kluska, J. D. Monnier, M. Cure, M. Sitko, A. Aarnio, M. J. Ireland, A. Rizzuto, E. Hone, A. Kreplin, S. Andrews, N. Calvet, **C. Espaillat**, M. Fukagawa, T. J. Harries, S. Hinkley, S. Kanaan, T. Muto, and D. J. Wilner,
2019, *Astronomy & Astrophysics*, 621, A7.
https://ui.adsabs.harvard.edu/abs/2019A&A...621A...7W

73. The planet formation imager
Monnier, J. D., S. Kraus, M. J. Ireland, F. Baron, A. Bayo, J.-P. Berger, M. Creech-Eakman, R. Dong, G. Duchêne, **C. Espaillat**, C. Haniff, S. Hönig, A. Isella, A. Juhasz, L. Labadie, S. Lacour, S. Leifer, A. Merand, E. Michael, S. Minardi, C. Mordasini, D. Mozurkewich, J. Olofsson, C. Paladini, R. Petrov, J.-U. Pott, S. Ridgway, S. Rinehart, K. Stassun, J. Surdej, T. ten Brummelaar, N. Turner, P. Tuthill, K. Vahala, G. van Belle, G. Vasisht, E. Wishnow, J. Young, and Z. Zhu,
2018, *Experimental Astronomy*, 46, 517.
https://ui.adsabs.harvard.edu/abs/2018ExA....46..517M

72. A Transitional Disk around an Intermediate-mass Star in the Sparse Population of the Orion OB1 Association
Pérez-Blanco, A., K. Maucó, J. Hernández, N. Calvet, **C. Espaillat**, M. McClure, C. Briceño, *C. E. Robinson**, *D. Feldman**, L. Villarreal, and P. D'Alessio,
2018, *Astrophysical Journal*, 867, 116.
https://ui.adsabs.harvard.edu/abs/2018ApJ...867..116P

‡71. Long-lived Protoplanetary Disks in Multiple Systems: The VLA View of HD 98800
Ribas, Á., E. Macías, **C. C. Espaillat**, and G. Duchêne,
2018, *Astrophysical Journal*, 865, 77.
https://ui.adsabs.harvard.edu/abs/2018ApJ...865...77R

‡70. Multiple Rings in the Transitional Disk of GM Aurigae Revealed by VLA and ALMA
Macías, E., **C. C. Espaillat**, Á. Ribas, K. R. Schwarz, G. Anglada, M. Osorio, C. Carrasco-González, J. F. Gómez, and *C. E. Robinson**,
2018, *Astrophysical Journal*, 865, 37.
https://ui.adsabs.harvard.edu/abs/2018ApJ...865...37M

‡69. *Herschel* Observations of Protoplanetary Disks in Lynds 1641
*Grant, S. L.**, **C. C. Espaillat**, S. T. Megeath, N. Calvet, W. J. Fischer, C. J. Miller, K. H. Kim, A. M. Stutz, Á. Ribas, and *C. E. Robinson**,
2018, *Astrophysical Journal*, 863, 13.
https://ui.adsabs.harvard.edu/abs/2018ApJ...863...13G

‡68. A Cavity of Large Grains in the Disk around the Group II Herbig Ae/Be Star HD 142666
*Rubinstein, A. E.***, E. Macías, **C. C. Espaillat**, K. Zhang, N. Calvet, and *C. E. Robinson**,
2018, *Astrophysical Journal*, 860, 7.
https://ui.adsabs.harvard.edu/abs/2018ApJ...860....7R

67. *Herschel* PACS Observations of 4-10 Myr Old Classical T Tauri Stars in Orion OB1
Maucó, K., C. Briceño, N. Calvet, J. Hernández, J. Ballesteros-Paredes, O. González, **C. C. Espaillat**, D. Li, C. M. Telesco, J. J. Downes, E. Macías, C. Qi, R. Michel, P. D'Alessio, and B. Ali,
2018, *Astrophysical Journal*, 859, 1.
https://ui.adsabs.harvard.edu/abs/2018ApJ...859....1M

‡66. Far-infrared to Millimeter Data of Protoplanetary Disks: Dust Growth in the Taurus, Ophiuchus, and Chamaeleon I Star-forming Regions
Ribas, Á., **C. C. Espaillat**, E. Macías, H. Bouy, S. Andrews, N. Calvet, D. A. Naylor, P. Riviere-Marichalar, M. H. D. van der Wiel, and D. Wilner,
2017, *Astrophysical Journal*, 849, 63.
https://ui.adsabs.harvard.edu/abs/2017ApJ...849...63R

65. Periodic eclipses of the young star PDS 110 discovered with WASP and KELT photometry
Osborn, H. P., J. E. Rodriguez, M. A. Kenworthy, G. M. Kennedy, E. E. Mamajek, *C. E. Robinson**, **C. C. Espaillat**, D. J. Armstrong, B. J. Shappee, A. Bieryla, D. W. Latham, D. R. Anderson, T. G. Beatty, P. Berlind, M. L. Calkins, G. A. Esquerdo, B. S. Gaudi, C. Hellier, T. W.-S. Holoien, D. James, C. S. Kochanek, R. B. Kuhn, M. B. Lund, J. Pepper, D. L. Pollacco, J. L. Prieto, R. J. Siverd, K. G. Stassun, D. J. Stevens, K. Z. Stanek, and R. G. West,
2017, *Monthly Notices of the Royal Astronomical Society*, 471, 740.
https://ui.adsabs.harvard.edu/abs/2017MNRAS.471..740O

‡64. An Incipient Debris Disk in the Chamaeleon I Cloud
Espaillat, C. C., Á. Ribas, M. K. McClure, J. Hernández, J. E. Owen, *N. Avish***, N. Calvet, and R. Franco-Hernández,
2017, *Astrophysical Journal*, 844, 60.
https://ui.adsabs.harvard.edu/abs/2017ApJ...844...60E

‡63. Time-dependent Models of Magnetospheric Accretion onto Young Stars
*Robinson, C. E.**, J. E. Owen, **C. C. Espaillat**, and F. C. Adams,
2017, *Astrophysical Journal*, 838, 100.
https://ui.adsabs.harvard.edu/abs/2017ApJ...838..100R

62. Polarized Disk Emission from Herbig Ae/Be Stars Observed Using Gemini Planet Imager: HD 144432, HD 150193, HD 163296, and HD 169142
Monnier, J. D., T. J. Harries, A. Aarnio, F. C. Adams, S. Andrews, N. Calvet, **C. Espaillat**, L. Hartmann, S. Hinkley, S. Kraus, M. McClure, R. Oppenheimer, M. Perrin, and D. Wilner,
2017, *Astrophysical Journal*, 838, 20.
https://ui.adsabs.harvard.edu/abs/2017ApJ...838...20M

61. DM Ori: A Young Star Occulted by a Disturbance in Its Protoplanetary Disk
Rodriguez, J. E., K. G. Stassun, P. Cargile, B. J. Shappee, R. J. Siverd, J. Pepper, M. B. Lund, C. S. Kochanek, D. James, R. B. Kuhn, T. G. Beatty, B. S. Gaudi, D. A. Weintraub, K. Z. Stanek, T. W.-S. Holoien, J. L. Prieto, *D. Feldman**, and **C. C. Espaillat**,
2016, *Astrophysical Journal*, 831, 74.
https://ui.adsabs.harvard.edu/abs/2016ApJ...831...74R

60. Sparse aperture masking interferometry survey of transitional discs. Search for substellar-mass companions and asymmetries in their parent discs
Willson, M., S. Kraus, J. Kluska, J. D. Monnier, M. Ireland, A. Aarnio, M. L. Sitko, N. Calvet, **C. Espaillat**, and D. J. Wilner,
2016, *Astronomy & Astrophysics*, 595, A9.
https://ui.adsabs.harvard.edu/abs/2016A&A...595A...9W

59. The *Spitzer* Infrared Spectrograph Survey of Protoplanetary Disks in Orion A. I. Disk Properties
Kim, K. H., D. M. Watson, P. Manoj, W. J. Forrest, E. Furlan, J. Najita, B. Sargent, J. Hernández, N. Calvet, L. Adame, **C. Espaillat**, S. T. Megeath, J. Muzerolle, and M. K. McClure,
2016, *Astrophysical Journal Supplement*, 226, 8.
https://ui.adsabs.harvard.edu/abs/2016ApJS..226....8K

58. Imaging the Photoevaporating Disk and Radio Jet of GM Aur
Macías, E., G. Anglada, M. Osorio, N. Calvet, J. M. Torrelles, J. F. Gómez, **C. Espaillat**, S. Lizano, L. F. Rodríguez, C. Carrasco-González, and L. Zapata,
2016, *Astrophysical Journal*, 829, 1.
https://ui.adsabs.harvard.edu/abs/2016ApJ...829....1M

57. Constraining the properties of transitional discs in Chamaeleon I with *Herschel*
Ribas, Á., H. Bouy, B. Merín, G. Duchêne, I. Rebollido, **C. Espaillat**, and C. Pinte,
2016, *Monthly Notices of the Royal Astronomical Society*, 458, 1029.
https://ui.adsabs.harvard.edu/abs/2016MNRAS.458.1029R

56. YSOVAR: Mid-infrared Variability of Young Stellar Objects and Their Disks in the Cluster IRAS 20050+2720
Poppenhaeger, K., A. M. Cody, K. R. Covey, H. M. Günther, L. A. Hillenbrand, P. Plavchan, L. M. Rebull, J. R. Stauffer, S. J. Wolk, **C. Espaillat**, J. Forbrich, R. A. Gutermuth, J. L. Hora, M. Morales-Calderón, and I. Song,
2015, *Astronomical Journal*, 150, 118.
https://ui.adsabs.harvard.edu/abs/2015AJ....150..118P

55. Near-IR Polarized Scattered Light Imagery of the DoAr 28 Transitional Disk
Rich, E. A., J. P. Wisniewski, S. Mayama, T. D. Brandt, J. Hashimoto, T. Kudo, N. Kusakabe, **C. Espaillat**, L. Abe, E. Akiyama, W. Brandner, J. C. Carson, T. Currie, S. Egner, M. Feldt, K. Follette, M. Goto, C. A. Grady, O. Guyon, Y. Hayano, M. Hayashi, S. S. Hayashi, T. Henning, K. W. Hodapp, M. Ishii, M. Iye, M. Janson, R. Kandori, G. R. Knapp, M. Kuzuhara, J. Kwon, T. Matsuo, M. W. McElwain, S. Miyama, J.-I. Morino, A. Moro-Martin, T. Nishimura, T.-S. Pyo, C.

Qi, E. Serabyn, T. Suenaga, H. Suto, R. Suzuki, Y. H. Takahashi, M. Takami, N. Takato, H. Terada, C. Thalmann, D. Tomono, E. L. Turner, M. Watanabe, T. Yamada, H. Takami, T. Usuda, and M. Tamura,
2015, *Astronomical Journal*, 150, 86.
https://ui.adsabs.harvard.edu/abs/2015AJ....150...86R

‡54. The Transitional Disk around IRAS 04125+2902
Espaillat, C., S. Andrews, *D. Powell*, *D. Feldman**, C. Qi, D. Wilner, and P. D'Alessio,
2015, *Astrophysical Journal*, 807, 156.
https://ui.adsabs.harvard.edu/abs/2015ApJ...807..156E

‡53. Using FUV to IR Variability to Probe the Star-Disk Connection in the Transitional Disk of GM Aur
Ingleby, L., **C. Espaillat**, N. Calvet, M. Sitko, R. Russell, and E. Champney,
2015, *Astrophysical Journal*, 805, 149.
https://ui.adsabs.harvard.edu/abs/2015ApJ...805..149I

52. Detections of Trans-Neptunian Ice in Protoplanetary Disks
McClure, M. K., **C. Espaillat**, N. Calvet, E. Bergin, P. D'Alessio, D. M. Watson, P. Manoj, B. Sargent, and L. I. Cleeves,
2015, *Astrophysical Journal*, 799, 162.
https://ui.adsabs.harvard.edu/abs/2015ApJ...799..162M

51. A Spectroscopic Census in Young Stellar Regions: The σ Orionis Cluster
Hernández, J., N. Calvet, A. Perez, C. Briceño, L. Olguin, M. E. Contreras, L. Hartmann, L. Allen, **C. Espaillat**, and R. Hernan,
2014, *Astrophysical Journal*, 794, 36.
https://ui.adsabs.harvard.edu/abs/2014ApJ...794...36H

50. The Evolution of Accretion in Young Stellar Objects: Strong Accretors at 3-10 Myr
Ingleby, L., N. Calvet, J. Hernández, L. Hartmann, C. Briceno, J. Miller, **C. Espaillat**, and M. McClure,
2014, *Astrophysical Journal*, 790, 47.
https://ui.adsabs.harvard.edu/abs/2014ApJ...790...47I

49. *Herschel* Evidence for Disk Flattening or Gas Depletion in Transitional Disks
Keane, J. T., I. Pascucci, **C. Espaillat**, P. Woitke, S. Andrews, I. Kamp, W.-F. Thi, G. Meeus, and W. R. F. Dent,
2014, *Astrophysical Journal*, 787, 153.
https://ui.adsabs.harvard.edu/abs/2014ApJ...787..153K

48. CSI 2264: Simultaneous Optical and Infrared Light Curves of Young Disk-bearing Stars in NGC 2264 with *CoRoT* and *Spitzer*—Evidence for Multiple Origins of Variability
Cody, A. M., J. Stauffer, A. Baglin, G. Micela, L. M. Rebull, E. Flaccomio, M. Morales-Calderón, S. Aigrain, J. Bouvier, L. A. Hillenbrand, R. Gutermuth, I. Song, N. Turner, S. H. P. Alencar, K. Zwintz, P. Plavchan, J. Carpenter, K. Findeisen, S. Carey, S. Terebey, L. Hartmann, N. Calvet, P.

Teixeira, F. J. Vrba, S. Wolk, K. Covey, K. Poppenhaeger, H. M. Günther, J. Forbrich, B. Whitney, L. Affer, W. Herbst, J. Hora, D. Barrado, J. Holtzman, F. Marchis, K. Wood, M. Medeiros Guimarães, J. Lillo Box, E. Gillen, A. McQuillan, **C. Espaillat**, L. Allen, P. D'Alessio, and F. Favata,
2014, *Astronomical Journal*, 147, 82.
https://ui.adsabs.harvard.edu/abs/2014AJ....147...82C

‡47. An Observational Perspective of Transitional Disks
Espaillat, C., J. Muzerolle, J. Najita, S. Andrews, Z. Zhu, N. Calvet, S. Kraus, J. Hashimoto, A. Kraus, and P. D'Alessio,
2014, *Protostars & Planets VI*, 497.
https://ui.adsabs.harvard.edu/abs/2014prpl.conf..497E

46. Curved Walls: Grain Growth, Settling, and Composition Patterns in T Tauri Disk Dust Sublimation Fronts
McClure, M. K., P. D'Alessio, N. Calvet, **C. Espaillat**, L. Hartmann, B. Sargent, D. M. Watson, L. Ingleby, and J. Hernández,
2013, *Astrophysical Journal*, 775, 114.
https://ui.adsabs.harvard.edu/abs/2013ApJ...775..114M

45. Hot Gas Lines in T Tauri Stars
Ardila, D. R., G. J. Herczeg, S. G. Gregory, L. Ingleby, K. France, A. Brown, S. Edwards, C. Johns-Krull, J. L. Linsky, H. Yang, J. A. Valenti, H. Abgrall, R. D. Alexander, E. Bergin, T. Bethell, J. M. Brown, N. Calvet, **C. Espaillat**, L. A. Hillenbrand, G. Hussain, E. Roueff, E. R. Schindhelm, and F. M. Walter,
2013, *Astrophysical Journal Supplement*, 207, 1.
https://ui.adsabs.harvard.edu/abs/2013ApJS..207....1A

44. Transitional Disks and Their Origins: An Infrared Spectroscopic Survey of Orion A
Kim, K. H., D. M. Watson, P. Manoj, W. J. Forrest, J. Najita, E. Furlan, B. Sargent, **C. Espaillat**, J. Muzerolle, S. T. Megeath, N. Calvet, J. D. Green, and L. Arnold,
2013, *Astrophysical Journal*, 769, 149.
https://ui.adsabs.harvard.edu/abs/2013ApJ...769..149K

43. Characterizing the Stellar Photospheres and Near-infrared Excesses in Accreting T Tauri Systems
McClure, M. K., N. Calvet, **C. Espaillat**, L. Hartmann, J. Hernández, L. Ingleby, K. L. Luhman, P. D'Alessio, and B. Sargent,
2013, *Astrophysical Journal*, 769, 73.
https://ui.adsabs.harvard.edu/abs/2013ApJ...769...73M

42. Resolving the Gap and AU-scale Asymmetries in the Pre-transitional Disk of V1247 Orionis
Kraus, S., M. J. Ireland, M. L. Sitko, J. D. Monnier, N. Calvet, **C. Espaillat**, C. A. Grady, T. J. Harries, S. F. Hönig, R. W. Russell, J. R. Swearingen, C. Werren, and D. J. Wilner,
2013, *Astrophysical Journal*, 768, 80.
https://ui.adsabs.harvard.edu/abs/2013ApJ...768...80K

41. The Effect of Sublimation Temperature Dependencies on Disk Walls Around T Tauri Stars
Nagel, E., P. D'Alessio, N. Calvet, **C. Espaillat**, and M. A. Trinidad,
2013, *Revista Mexicana de Astronomía y Astrofísica*, 49, 43.
https://ui.adsabs.harvard.edu/abs/2013RMxAA..49...43N

40. Accretion Rates for T Tauri Stars Using Nearly Simultaneous Ultraviolet and Optical Spectra
Ingleby, L., N. Calvet, G. Herczeg, A. Blaty, F. Walter, D. Ardila, R. Alexander, S. Edwards, **C. Espaillat**, S. G. Gregory, L. Hillenbrand, and A. Brown,
2013, *Astrophysical Journal*, 767, 112.
https://ui.adsabs.harvard.edu/abs/2013ApJ...767..112I

‡39. Tracing High-energy Radiation from T Tauri Stars Using Mid-infrared Neon Emission from Disks
Espaillat, C., L. Ingleby, E. Furlan, M. McClure, *A. Spatzier*, *J. Nieusma*, N. Calvet, E. Bergin, L. Hartmann, J. M. Miller, and J. Muzerolle,
2013, *Astrophysical Journal*, 762, 62.
https://ui.adsabs.harvard.edu/abs/2013ApJ...762...62E

38. Probing Dynamical Processes in the Planet-forming Region with Dust Mineralogy
McClure, M. K., P. Manoj, N. Calvet, L. Adame, **C. Espaillat**, D. M. Watson, B. Sargent, W. J. Forrest, and P. D'Alessio,
2012, *Astrophysical Journal Letters*, 759, L10.
https://ui.adsabs.harvard.edu/abs/2012ApJ...759L..10M

37. A *Spitzer* IRS Survey of NGC 1333: Insights into Disk Evolution from a Very Young Cluster
Arnold, L. A., D. M. Watson, K. H. Kim, P. Manoj, I. Remming, P. Sheehan, L. Adame, W. J. Forrest, E. Furlan, E. Mamajek, M. McClure, **C. Espaillat**, K. Ausfeld, and V. A. Rapson,
2012, *Astrophysical Journal Supplement*, 201, 12.
https://ui.adsabs.harvard.edu/abs/2012ApJS..201...12A

36. Dust Filtration by Planet-induced Gap Edges: Implications for Transitional Disks
Zhu, Z., R. P. Nelson, R. Dong, **C. Espaillat**, and L. Hartmann,
2012, *Astrophysical Journal*, 755, 6.
https://ui.adsabs.harvard.edu/abs/2012ApJ...755....6Z

35. The Low-mass Stellar Population in L1641: Evidence for Environmental Dependence of the Stellar Initial Mass Function
Hsu, W.-H., L. Hartmann, L. Allen, J. Hernández, S. T. Megeath, G. Mosby, J. J. Tobin, and **C. Espaillat**,
2012, *Astrophysical Journal*, 752, 59.
https://ui.adsabs.harvard.edu/abs/2012ApJ...752...59H

34. Mid-Infrared Variability of the Binary System CS Cha
Nagel, E., **C. Espaillat**, P. D'Alessio, and N. Calvet,
2012, *Astrophysical Journal*, 747, 139.

https://ui.adsabs.harvard.edu/abs/2012ApJ...747..139N

‡33. On the Transitional Disk Class: Linking Observations of T Tauri Stars and Physical Disk Models
Espaillat, C., L. Ingleby, J. Hernández, E. Furlan, P. D'Alessio, N. Calvet, S. Andrews, J. Muzerolle, C. Qi, and D. Wilner,
2012, *Astrophysical Journal*, 747, 103.
https://ui.adsabs.harvard.edu/abs/2012ApJ...747..103E

32. The TW Hya Disk at 870 μm: Comparison of CO and Dust Radial Structures
Andrews, S. M., D. J. Wilner, A. M. Hughes, C. Qi, K. A. Rosenfeld, K. I. Öberg, T. Birnstiel, **C. Espaillat**, L. A. Cieza, J. P. Williams, S.-Y. Lin, and P. T. P. Ho,
2012, *Astrophysical Journal*, 744, 162.
https://ui.adsabs.harvard.edu/abs/2012ApJ...744..162A

31. Near-ultraviolet Excess in Slowly Accreting T Tauri Stars: Limits Imposed by Chromospheric Emission
Ingleby, L., N. Calvet, E. Bergin, G. Herczeg, A. Brown, R. Alexander, S. Edwards, **C. Espaillat**, K. France, S. G. Gregory, L. Hillenbrand, E. Roueff, J. Valenti, F. Walter, C. Johns-Krull, J. Brown, J. Linsky, M. McClure, D. Ardila, H. Abgrall, T. Bethell, G. Hussain, and H. Yang,
2011, *Astrophysical Journal*, 743, 105.
https://ui.adsabs.harvard.edu/abs/2011ApJ...743..105I

30. The *Spitzer* Infrared Spectrograph Survey of T Tauri Stars in Taurus
Furlan, E., K. L. Luhman, **C. Espaillat**, P. D'Alessio, L. Adame, P. Manoj, K. H. Kim, D. M. Watson, W. J. Forrest, M. K. McClure, N. Calvet, B. A. Sargent, J. D. Green, and W. J. Fischer,
2011, *Astrophysical Journal Supplement*, 195, 3.
https://ui.adsabs.harvard.edu/abs/2011ApJS..195....3F

29. Disk Imaging Survey of Chemistry with SMA. II. Southern Sky Protoplanetary Disk Data and Full Sample Statistics
Öberg, K. I., C. Qi, J. K. J. Fogel, E. A. Bergin, S. M. Andrews, **C. Espaillat**, D. J. Wilner, I. Pascucci, and J. H. Kastner,
2011, *Astrophysical Journal*, 734, 98.
https://ui.adsabs.harvard.edu/abs/2011ApJ...734...98O

28. The Far-ultraviolet "Continuum" in Protoplanetary Disk Systems. II. Carbon Monoxide Fourth Positive Emission and Absorption
France, K., E. Schindhelm, E. B. Burgh, G. J. Herczeg, G. M. Harper, A. Brown, J. C. Green, J. L. Linsky, H. Yang, H. Abgrall, D. R. Ardila, E. Bergin, T. Bethell, J. M. Brown, N. Calvet, **C. Espaillat**, S. G. Gregory, L. A. Hillenbrand, G. Hussain, L. Ingleby, C. M. Johns-Krull, E. Roueff, J. A. Valenti, and F. M. Walter,
2011, *Astrophysical Journal*, 734, 31.
https://ui.adsabs.harvard.edu/abs/2011ApJ...734...31F

27. Resolved Images of Large Cavities in Protoplanetary Transition Disks

Andrews, S. M., D. J. Wilner, **C. Espaillat**, A. M. Hughes, C. P. Dullemond, M. K. McClure, C. Qi, and J. M. Brown,
2011, *Astrophysical Journal*, 732, 42.
https://ui.adsabs.harvard.edu/abs/2011ApJ...732...42A

26. Evolution of X-ray and Far-ultraviolet Disk-dispersing Radiation Fields
Ingleby, L., N. Calvet, J. Hernández, C. Briceño, **C. Espaillat**, J. Miller, E. Bergin, and L. Hartmann,
2011, *Astronomical Journal*, 141, 127.
https://ui.adsabs.harvard.edu/abs/2011AJ....141..127I

25. *Spitzer* Infrared Spectrograph Survey of Young Stars in the Chamaeleon I Star-Forming Region
Manoj, P., K. H. Kim, E. Furlan, M. K. McClure, K. L. Luhman, D. M. Watson, **C. Espaillat**, N. Calvet, J. R. Najita, P. D'Alessio, L. Adame, B. A. Sargent, W. J. Forrest, C. Bohac, J. D. Green, and L. A. Arnold,
2011, *Astrophysical Journal Supplement*, 193, 11.
https://ui.adsabs.harvard.edu/abs/2011ApJS..193...11M

24. Transitional and Pre-transitional Disks: Gap Opening by Multiple Planets?
Zhu, Z., R. P. Nelson, L. Hartmann, **C. Espaillat**, and N. Calvet,
2011, *Astrophysical Journal*, 729, 47.
https://ui.adsabs.harvard.edu/abs/2011ApJ...729...47Z

‡23. A *Spitzer* IRS Study of Infrared Variability in Transitional and Pre-transitional Disks Around T Tauri Stars
Espaillat, C., E. Furlan, P. D'Alessio, B. Sargent, E. Nagel, N. Calvet, D. M. Watson, and J. Muzerolle,
2011, *Astrophysical Journal*, 728, 49.
https://ui.adsabs.harvard.edu/abs/2011ApJ...728...49E

22. The Disk Imaging Survey of Chemistry with SMA. I. Taurus Protoplanetary Disk Data
Öberg, K. I., C. Qi, J. K. J. Fogel, E. A. Bergin, S. M. Andrews, **C. Espaillat**, T. A. van Kempen, D. J. Wilner, and I. Pascucci,
2010, *Astrophysical Journal*, 720, 480.
https://ui.adsabs.harvard.edu/abs/2010ApJ...720..480O

‡21. Unveiling the Structure of Pre-transitional Disks
Espaillat, C., P. D'Alessio, J. Hernández, E. Nagel, K. L. Luhman, D. M. Watson, N. Calvet, J. Muzerolle, and M. McClure,
2010, *Astrophysical Journal*, 717, 441.
https://ui.adsabs.harvard.edu/abs/2010ApJ...717..441E

20. The Evolutionary State of the Pre-main Sequence Population in Ophiuchus: A Large Infrared Spectrograph Survey

McClure, M. K., E. Furlan, P. Manoj, K. L. Luhman, D. M. Watson, W. J. Forrest, **C. Espaillat**, N. Calvet, P. D'Alessio, B. Sargent, J. J. Tobin, and H.-F. Chiang,
2010, *Astrophysical Journal Supplement*, 188, 75.
https://ui.adsabs.harvard.edu/abs/2010ApJS..188...75M

19. Truncated Disks in TW Hya Association Multiple Star Systems
Andrews, S. M., I. Czekala, D. J. Wilner, **C. Espaillat**, C. P. Dullemond, and A. M. Hughes,
2010, *Astrophysical Journal*, 710, 462.
https://ui.adsabs.harvard.edu/abs/2010ApJ...710..462A

18. The Disk Population of the Taurus Star-Forming Region
Luhman, K. L., P. R. Allen, **C. Espaillat**, L. Hartmann, and N. Calvet,
2010, *Astrophysical Journal Supplement*, 186, 111.
https://ui.adsabs.harvard.edu/abs/2010ApJS..186..111L

17. Wall Emission in Circumbinary Disks: the Case of Coku Tau/4
Nagel, E., P. D'Alessio, N. Calvet, **C. Espaillat**, B. Sargent, J. Hernández, and W. J. Forrest,
2010, *Astrophysical Journal*, 708, 38.
https://ui.adsabs.harvard.edu/abs/2010ApJ...708...38N

16. Far-Ultraviolet H2 Emission from Circumstellar Disks
Ingleby, L., N. Calvet, E. Bergin, A. Yerasi, **C. Espaillat**, G. Herczeg, E. Roueff, H. Abgrall, J. Hernández, C. Briceño, I. Pascucci, J. Miller, J. Fogel, L. Hartmann, M. Meyer, J. Carpenter, N. Crockett, and M. McClure,
2009, *Astrophysical Journal Letters*, 703, L137.
https://ui.adsabs.harvard.edu/abs/2009ApJ...703L.137I

15. Disk Evolution in the Three Nearby Star-forming Regions of Taurus, Chamaeleon, and Ophiuchus
Furlan, E., D. M. Watson, M. K. McClure, P. Manoj, **C. Espaillat**, P. D'Alessio, N. Calvet, K. H. Kim, B. A. Sargent, W. J. Forrest, and L. Hartmann,
2009, *Astrophysical Journal*, 703, 1964.
https://ui.adsabs.harvard.edu/abs/2009ApJ...703.1964F

14. Mid-Infrared Spectra of Transitional Disks in the Chamaeleon I Cloud
Kim, K. H., D. M. Watson, P. Manoj, E. Furlan, J. Najita, W. J. Forrest, B. Sargent, **C. Espaillat**, N. Calvet, K. L. Luhman, M. K. McClure, J. D. Green, and S. T. Harrold,
2009, *Astrophysical Journal*, 700, 1017.
https://ui.adsabs.harvard.edu/abs/2009ApJ...700.1017K

13. A Spatially Resolved Inner Hole in the Disk Around GM Aurigae
Hughes, A. M., S. M. Andrews, **C. Espaillat**, D. J. Wilner, N. Calvet, P. D'Alessio, C. Qi, J. P. Williams, and M. R. Hogerheijde,
2009, *Astrophysical Journal*, 698, 131.
https://ui.adsabs.harvard.edu/abs/2009ApJ...698..131H

12. The Differential Rotation of FU Ori
Zhu, Z., **C. Espaillat**, K. Hinkle, J. Hernandez, L. Hartmann, and N. Calvet,
2009, *Astrophysical Journal Letters*, 694, L64.
https://ui.adsabs.harvard.edu/abs/2009ApJ...694L..64Z

‡11. A Slowly Accreting ~10 Myr-old Transitional Disk in Orion OB1a
Espaillat, C., J. Muzerolle, J. Hernández, C. Briceño, N. Calvet, P. D'Alessio, M. McClure, D. M. Watson, L. Hartmann, and B. Sargent,
2008, *Astrophysical Journal Letters*, 689, L145.
https://ui.adsabs.harvard.edu/abs/2008ApJ...689L.145E

10. A Sub-AU Outwardly Truncated Accretion Disk around a Classical T Tauri Star
McClure, M. K., W. J. Forrest, B. A. Sargent, D. M. Watson, E. Furlan, P. Manoj, K. L. Luhman, N. Calvet, **C. Espaillat**, P. D'Alessio, L. W. Hartmann, C. Tayrien, and S. T. Harrold,
2008, *Astrophysical Journal Letters*, 683, L187.
https://ui.adsabs.harvard.edu/abs/2008ApJ...683L.187M

‡9. Confirmation of a Gapped Primordial Disk around LkCa 15
Espaillat, C., N. Calvet, K. L. Luhman, J. Muzerolle, and P. D'Alessio,
2008, *Astrophysical Journal Letters*, 682, L125.
https://ui.adsabs.harvard.edu/abs/2008ApJ...682L.125E

‡8. Wavelet Analysis of AGN X-Ray Time Series: A QPO in 3C 273?
Espaillat, C., J. Bregman, P. Hughes, and E. Lloyd-Davies,
2008, *Astrophysical Journal*, 679, 182.
https://ui.adsabs.harvard.edu/abs/2008ApJ...679..182E

7. Observations of Disks around Brown Dwarfs in the TW Hydra Association with the *Spitzer* Infrared Spectrograph
Morrow, A. L., K. L. Luhman, **C. Espaillat**, P. D'Alessio, L. Adame, N. Calvet, W. J. Forrest, B. Sargent, L. Hartmann, D. M. Watson, and C. J. Bohac,
2008, *Astrophysical Journal Letters*, 676, L143.
https://ui.adsabs.harvard.edu/abs/2008ApJ...676L.143M

‡6. On the Diversity of the Taurus Transitional Disks: UX Tauri A and LkCa 15
Espaillat, C., N. Calvet, P. D'Alessio, J. Hernández, C. Qi, L. Hartmann, E. Furlan, and D. M. Watson,
2007, *Astrophysical Journal Letters*, 670, L135.
https://ui.adsabs.harvard.edu/abs/2007ApJ...670L.135E

‡5. Probing the Dust and Gas in the Transitional Disk of CS Cha with *Spitzer*
Espaillat, C., N. Calvet, P. D'Alessio, E. Bergin, L. Hartmann, D. Watson, E. Furlan, J. Najita, W. Forrest, M. McClure, B. Sargent, C. Bohac, and S. T. Harrold,
2007, *Astrophysical Journal Letters*, 664, L111.
https://ui.adsabs.harvard.edu/abs/2007ApJ...664L.111E

4. A 2 Hour Quasi Period in an Ultraluminous X-Ray Source in NGC 628
Liu, J.-F., J. N. Bregman, E. Lloyd-Davies, J. Irwin, **C. Espaillat**, and P. Seitzer,
2005, *Astrophysical Journal Letters*, 621, L17.
https://ui.adsabs.harvard.edu/abs/2005ApJ...621L..17L

‡3. The Helium-rich Cataclysmic Variable ES Ceti
Espaillat, C., J. Patterson, B. Warner, and P. Woudt,
2005, *Publications of the Astronomical Society of the Pacific*, 117, 189.
https://ui.adsabs.harvard.edu/abs/2005PASP..117..189E

2. GRB 021004: A Possible Shell Nebula around a Wolf-Rayet Star Gamma-Ray Burst Progenitor
Mirabal, N., J. P. Halpern, R. Chornock, A. V. Filippenko, D. M. Terndrup, E. Armstrong, J. Kemp, J. R. Thorstensen, M. Tavarez, and **C. Espaillat**,
2003, *Astrophysical Journal*, 595, 935.
https://ui.adsabs.harvard.edu/abs/2003ApJ...595..935M

1. Superhumps in Cataclysmic Binaries. XXI. HP Librae (=EC 15330-1403)
Patterson, J., R. E. Fried, R. Rea, J. Kemp, **C. Espaillat**, D. R. Skillman, D. A. Harvey, D. O'Donoghue, J. McCormick, F. Velthuis, S. Walker, A. Retter, Y. Lipkin, N. Butterworth, P. McGee, and L. M. Cook,
2002, *Publications of the Astronomical Society of the Pacific*, 114, 65.
https://ui.adsabs.harvard.edu/abs/2002PASP..114...65P