
Annual Newsletter

DEPARTMENT OF
PHYSICS AND ASTRONOMY

◆
Academic Year 2024-2025

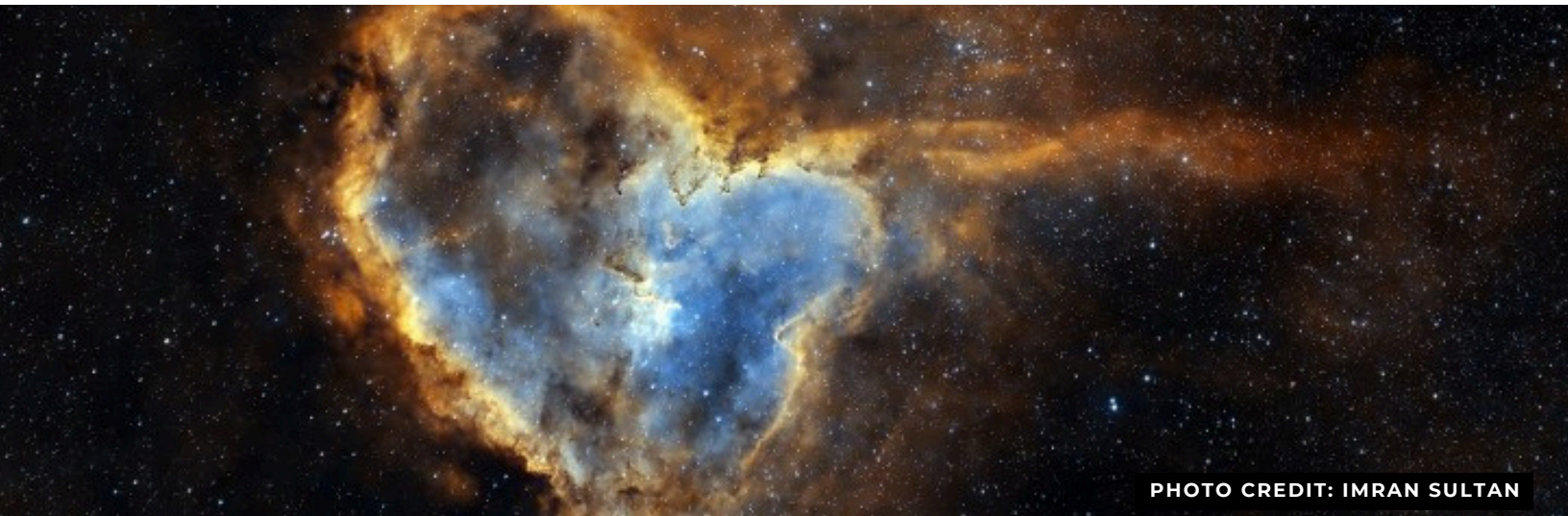


PHOTO CREDIT: IMRAN SULTAN

Letter from the Chair

Welcome to the second installment of the Annual Newsletter from the Department of Physics and Astronomy! This past academic year was especially eventful and challenging for higher education in general and Northwestern University in particular. Nonetheless, the department continues to evolve and thrive.

Several of our assistant professors were the recipients of prestigious research awards. Adam Miller received both an Early Career Award from the Department of Energy and a Cottrell Scholar Award, István Kovács received a CAREER Award from the National Science Foundation, Allison Strom was Awarded a Packard Fellowship, and Jason Wang was named a Sloan Research Fellow. Several senior Faculty were recognized by the scientific community with distinguished awards this past academic year. Vicky Kalogera also started her tenure as Director of the multi-institutional NSF-Simons Artificial Intelligence Institute for the Sky (SkAI Institute), of which she is also the Principal Investigator.

Our graduate and undergraduate students continue to make the department proud. To name only a few, several of our current (and future) graduate and undergraduate students were awarded Graduate Research Fellowships from the NSF, while Imran Sultan won the Royal Society Publishing Photography Competition (for the second year in a row!). The department is ready and eager to welcome a new class of undergraduate, Masters, and Ph.D. students.

Several memorable events took place in the last year. The department celebrated Bill Halperin's 50 years of service to Northwestern and the department with 'Bill Fest' in the Fall of 2024. He officially retired in the Summer of 2024. In April 2025, Professor Alain Aspect (2022 Nobel Prize in Physics) visited the department as the Heilborn Lecturer and presented a series of very exciting lectures around the foundations of quantum mechanics and quantum technologies. These were aimed at and very well attended by the Northwestern Community. The department also hosted, in the Winter of 2025, the fourth edition of the Sievert Prize Lectures. The lectures titled "Effective Field Theory: A Universal Language of Physics" were presented by Alex Edison, a research assistant professor in JJ Carrasco's research group. The Sievert Prize Lectures are aimed at the general public, and we were definitely impressed with the attendance and the level of participation and excitement from the audience.

The department continues to strive to ensure we provide, along with world-leading research in a plurality of exciting topics, a welcoming and safe environment for everyone who is excited, interested, or simply curious about Physics and Astronomy. I want to take advantage of this opportunity to thank everyone – students, postdoctoral researchers, faculty, and staff – who tirelessly contribute to the growth and evolution of the Department of Physics and Astronomy. While many challenges (but also, opportunities) lie ahead, I look forward to an exciting new academic year!

Northwestern University

Faculty Announcements



Adam Miller receives DOE Early Career Award and Cottrell Scholar Award

Adam Miller received a 2024 Early Career Award from the U.S. Department of Energy. The Early Career Research Program supports outstanding scientists early in their careers “to pursue new ideas and increase the potential for breakthrough new discoveries”. Professor Miller will use the funding to explore the explosions of white dwarf stars.

Adam Miller has been awarded a 2025 Cottrell Scholar Award from the Research Corporation for Science Advancement. The award honors outstanding teacher-scholars “for their research programs and their academic leadership”.

István Kovács receives NSF CAREER Award

István Kovács received the Faculty Early Career Development Award from the National Science Foundation. The award supports early-career faculty “who have the potential to serve as academic role models in research and education”. Professor Kovács’ award will be used to develop models for understanding complex biological interactions.



Allison Strom receives Packard Fellowship

Allison Strom received a 2024 Packard Fellowship in Science and Engineering from the David and Lucile Packard Foundation. The fellowship is “to allow the nation’s most promising early-career scientists flexible funding to take risks and explore new frontiers in their field”. Professor Strom is studying “the role massive stars in early universe play in shaping the evolution of galaxies”.

Jason Wang awarded a 2025 Sloan Research Fellowship

Jason Wang received a 2025 Sloan Research Fellowship from the Alfred P. Sloan Foundation. The Fellowships are awarded to “early-career researchers whose creativity, innovation, and research accomplishments make them stand out as the next generation of leaders”. Professor Wang’s research focuses on gas giant exoplanets.



Congratulations to Eric Dahl on his promotion to full Professor!

Faculty Announcements



Fred Rasio elected member of the American Academy of Arts and Sciences

Fred Rasio was elected to be a member of the American Academy of Arts and Sciences. The academy honors the excellence and leadership of people from all disciplines.



Bennett Goldberg receives 2025 Stanley C. Israel Regional Award

The Committee on Minority Affairs awarded Bennett Goldberg with the 2025 Stanley C. Israel Regional Award for the Great Lakes Regional Meeting of the American Chemical Society. The award was presented at the regional meeting in June.



Vicky Kalogera elected ISGRG Fellow

Vicky Kalogera was elected Fellow of The International Society on General Relativity and Gravitation. Fellows are elected to recognize outstanding members who have shown excellence in research and have made an impact in the field.



Andy Geraci awarded Top Cited Paper Award from IOP

Andy Geraci was awarded the Top Cited Paper Award in the Quantum category, from the Institute of Physics Publishing. The paper entitled "Searching for New Physics Using Optically Levitated Sensors", was co-authored with David Moore (Yale) and published in Quantum Science and Technology.

Sara Solla elected Fellow of the Network Science Society

Joint faculty member Sara Solla was elected a Fellow of the Network Science Society, for "outstanding contributions to the statistical physics of neural networks".



Faculty Retirement



Thank you Bill Halperin for your 50 years of service!

In September of 2024, we celebrated the retirement of Professor Bill Halperin. Colleagues from across the country traveled to Northwestern to recognize Bill and his many contributions.



Bill Fest attendees



Guests at Bill Fest enjoying dinner



Jens Koch and Bill Haleprin



Professor Bill Halperin presenting



Dean Adrian Randolph speaking at Bill Fest

Congratulations to all our Graduates!

Undergraduate Physics Major Graduates

Devrim Abaci

Dax Kay

David Aguilar

Eliseu Kloster Filho

Juan Barrera Lopez

David Lee

Leo Bilder

Yiying Grace Liu

Daniel Campos

Alyssa Matthews

Cristian Castrejon

Henry McMenimen

Jack Courter

Moinak Nath

Will Engedel

Gabriel Tucker

Ikenna Eze

Anastasia Wei

Joseph Ferret

Yigit Yazgan

Master's Student Graduates

Gabriel Casabona

Zehao Song

Yuxin Kang

Charles Schlicker

Thomas McKenzie-Smith

Yiqui Zhou

Congratulations to all our PhD Student Graduates!

Eduardo Alejandro

Dissertation Title: *Tools for Levitated Precision Nanosensors*

Nia Burrell

Dissertation Title: *Force Sensitive Levitated Optomechanics for Short Range Gravity*

Ran Chen

Dissertation Title: *Design, fabrication, and optimization of a novel TES-based detector for CEvNS process*

Joshua Fuhrman

Dissertation Title: *Flights of the Mirco-X Sounding Rocket and X-ray Spectra of the Supernova Remnant Cassiopeia A*

Sarah Gavin

Dissertation Title: *Harnessing Single Photon Emission from Two-Dimensional Semiconductors*

Andra Ionescu

Dissertation Title: *A Search for Scalar Ultralight Dark Matter Using Optical Cavities*

Danat Issa

Dissertation Title: *Unveiling Cosmic Pathways of Heavy Element Nucleosynthesis through State-of-the-art Simulations*

Nick Kaaz

Dissertation Title: *Challenging the Standard Accretion Paradigm with Warps and Strong Magnetic Fields*

Cole Kampa

Dissertation Title: *Searches for New Physics with Muon Conversion at Fermilab and Triboson Production at the LHC*

Fulya Kiroglu

Dissertation Title: *Hydrodynamic Modeling of Black-Hole Star Encounters and Their Astrophysical Signatures*

Aris Lalakos

Dissertation Title: *Bridging the Bondi to Event Horizon Scales in GRMHD: Jet Feedback Effects on Global Dynamics*

Zhi-Zhong Li

Dissertation Title: *Advancing Precision in High-Energy Physics: From On-Shell Spinor Techniques to Symmetry Preserving Attention Networks*

Camille Liotine

Dissertation Title: *Understanding Compact Object Observations with Advanced Binary Population Models*

Siyuan Liu

Dissertation Title: *Mitigating Magnetic Field Imperfections for Precision Measurement of the Electron Electric Dipole Moment*

Beverly Lowell

Dissertation Title: *Braking a Black Hole: Spin-down by Highly Magnetized, Jetted Accretion Disks*

Micheal McKenzie

Dissertation Title: *Search for Charged Lepton Flavor Violating Z/Z' Boson Decays at the CMS Experiment*

Jacob McLaughlin

Dissertation Title: *Modelling of Inner-Shell Scatters in Liquid, Xenon, and Flow Based 214Pb Vetos in Lux-Zeplin*

Jillian Rastinejad

Dissertation Title: *The Diversity of Explosions from Cosmic Mergers and Massive Stars*

Kyle Rocha

Dissertation Title: *Next-generation binary population synthesis with POSYDON*

Aslan Seifi

Dissertation Title: *Functional Fermions in Gauge and Gravity Theories*

Kaan Simsek

Dissertation Title: *Precision Phenomenology and New Physics Probes at Future Colliders*

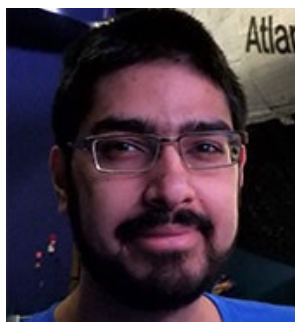
Nycole Wenner

Dissertation Title: *Molecular Clouds, Black Holes, and Electrons: Using Radio Astronomy to Explore the Milky Way Galaxy*

Suna Zekioglu

Dissertation Title: *Effective Color-Dual Methods for the Discovery of Novel Structure in Gauge Theory and Gravity*

Student Announcements



Imran Sultan

Imran Sultan wins 2024 Royal Society Publishing Photography Competition AGAIN

Graduate student, Imran Sultan won the 2024 Royal Society Publishing Photography Competition in the astronomy category for the second year in a row. Using a telephoto lens, Imran spent a total of 14 hours over 3 nights to capture the image. The photo is of Heart and Soul Nebulae located in the Cassiopeia constellation (see photo on page 1).

Audrey Clarendon receives 2024 TEAM-UP Together Scholarship

The TEAM-UP Together Scholarship is an award up to \$10K for undergraduate students pursuing degrees in physics and astronomy. The scholarship program is affiliated with the American Institute of Physics and Simons Foundation.



Audrey Clarendon



Olivia Bitter

Olivia Meredith Bitter Elected to APS Committee

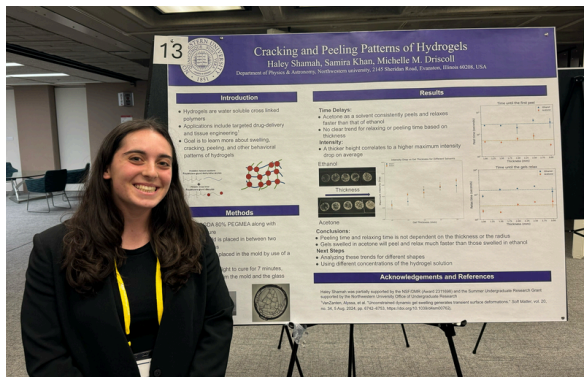
PhD student, Olivia Meredith Bitter was elected as a Graduate Student Member of the Executive Committee of the Division of Particles and Fields of the American Physical Society.

Physics PhD student, Grace Bratrud was awarded a 2024 CPAD Graduate Instrumentation Research Award Fellowship.

Astronomy PhD student, Nabeel Rehemtulla received the Northwestern Presidential Fellowship.

Physics PhD student, Zhigeng Sheng received a Universities Research Association Visiting Scholars Program award and a Department of Energy Office of Science Graduate Student Research Program award.

Astronomy PhD student, Nicole Flors was awarded a Department of Energy Computational Science Graduate Fellowship.



Haley Shamah at the CU*iP Conference

Haley Shamah wins top poster prize at CU*iP Conference

Undergraduate student, Haley Shamah won the top poster prize at the CU*iP Conference at Fermilab. Haley's poster presentation focused on "Cracking and Peeling Patterns of Hydrogels". Haley is a student with Professor Driscoll's lab.

Student Announcements



Left to Right: Nico Bers, Issac Cross, Daniel Campos, Will Engedal, Josep Ferret, Cristian Castrujon, Eliseu Kloster Filho, Yiting Grace Liu, Anastasia Wei

2024 – 2025 Departmental Awards

Outstanding Undergraduate Thesis Research

Anastasia Wei
Eliseu Kloster Filho

Career Award

Will Engedal

Junior Career Award

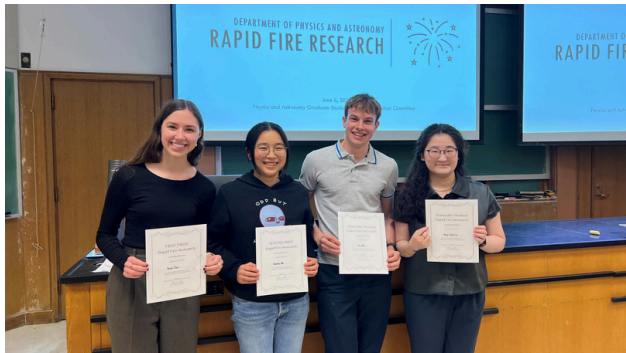
Isaac Cross

Physics and Astronomy Scholars

Gabriel Girao
Nicole Hampton
Nico Bers
Josep Ferret

Department Honor Recipients

Leo Bilder
Daniel Campos
Cristian Castrejon
Will Engedal
Eliseu Kloster Filho
Yiying Liu
Anastasia Wei



Left to Right: Nicole Flors, Anastasia Wei, Nico Bers, Grace Liu

Rapid Fire Research Winners

Each year a mix of undergraduate and graduate Physics and Astronomy students have the opportunity to present their research in a condensed format to their fellow P&A community members. The presentations are judged by a panel of faculty and prizes are awarded.

1st Place

Nicole Flors: *"Uncovering Neutron Dynamics in a Common Envelope with 3D GRMHD Simulations"*

2nd Place

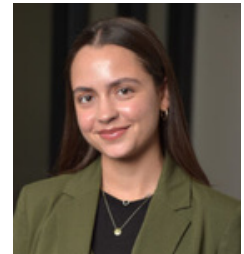
Anastasia Wei: *"Constraining Supernova Formation Channels Through Galaxy Environments"*

Honorable Mentions

Nico Bers: *"Exploring the farthest black hole collisions using the gravitational-wave background"*
Grace Liu: *"Tuning the optoelectronic properties of VOPc"*



Miguel Ceja



Ilia Kiato

Outstanding Teaching Assistant Award

Outstanding Lab Teaching Assistant

Miguel Ceja

Outstanding Discussion Teaching Assistant

Ilia Kiato

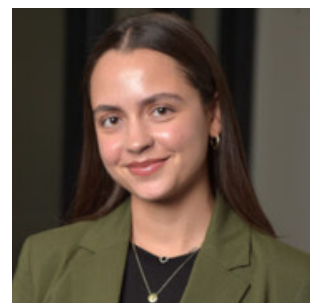
We would like to thank all of our teaching assistants. We appreciate your hard work and dedication.



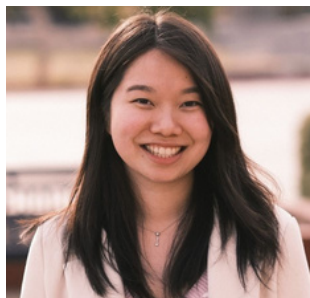
Student Announcements

Ilia Kiato awarded a Dr. John Nicholson Fellowship

Astronomy PhD student, Ilia Kiato received a Dr. John Nicholson Fellowship for the 2025-2026 academic year. The fellowship is an endowed fellowship to support academically superior and highly motivated graduate students in selected fields.



Ilia Kiato



Rachel Zhang

Rachel Zhang receives 2025 Gates Cambridge Scholarship

Recent Physics and Astronomy Master's student graduate, Rachel Zhang received a 2025 Gates Cambridge Scholarship. The program selects students with outstanding intellectual ability and a commitment to improving the lives of others.



Illinois Space Grant Funding Award Fellowship Recipients

Saarah Hall is an Astronomy PhD student working with Professor Miller.

Kyle Rocha is an Astronomy PhD student working with Professor Kalogera.

Andrew Marszewski is a Physics PhD student working with Professor Faucher-Giguere.

Several of our Physics majors were recipients of an Illinois Space Grant Summer Research Scholarship; Nico Bers, Audrey Clarendon, Anna Humphrey, Lucas Kritz, Jesse Richter and Nathan Scott

National Science Foundation Graduate Fellowship Recipients

Alyssa Matthews is a recent Physics major graduate who worked with Professor Gabrielse's lab and will be pursuing a graduate degree at the University of California Berkeley in the Fall.

Will Engedal is a recent Physics major graduate who worked with Professor Kovács and will be pursuing a graduate degree at the University of Washington in the Fall.

Miguel Ceja is a current Physics PhD student working with Professor Shahriar.

Nathalie Korhonen Cuestas is a current Astronomy PhD student working with Professor Strom.

Dean Kousiounelos will be joining the PhD program in the Fall.

Department Groups Year in Review

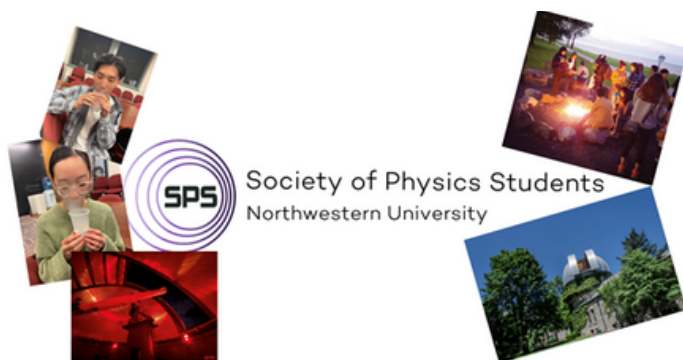
Graduate Women in Physics (GWIP)

GWIP is an organization dedicated to supporting and empowering graduate students of minority genders. Since our founding in 2023, we have focused on building a safe and welcoming environment, fostering mentorship, and advocating for our members. In the past year, we have hosted a total of seven events and partnered with PAGSC to launch a pilot mentorship program that pairs graduate students to provide support and guidance. Our events included the Welcome Back Bash and Cocoa and Conversation, which brought members together to discuss issues relevant to our community. We also organized creative, community-building activities like Bowl Painting at the Norris ARTica Studio and Art Train, where participants engaged in arts and crafts while having meaningful conversations about the graduate experience. Finally, we continued our Career Chat series, inviting senior graduate students, postdocs, and faculty to share advice and insights on navigating academic careers. We look forward to building on this momentum in the coming academic year.



Women in Physics (WIP)

We're In Physics (WIP) is an undergraduate student organization established in 2021 for gender minorities in physics. This past academic year, WIP hosted the undergraduate mentorship program with Northwestern's Society of Physics Students (SPS) and sent 15 students to the annual APS Conferences for Undergraduate Women and Gender Minorities in Physics (CU*iP). WIP also organized an NCA Resume Workshop and a Summer Opportunities Panel, along with other social activities, and is looking forward to putting on more events during the coming academic year.



Society of Physics Students

The Society of Physics Students (SPS) serves as a vibrant community and home base for physics students and enthusiasts alike. We continue to blend paraprofessional activities with social events, offering everything from casual professor chats about their research and life, to Lakefill bonfires, and liquid nitrogen ice cream nights. For this coming year, in addition to continuing these traditions, we aim to create more bonding opportunities, support networks, and fun events. We'd like to welcome the new members of our exec board: Wenchi Liu as treasurer, and Clement Dunn and Jayden Wool as members at large! Please reach out to sps@u.northwestern.edu with any questions or to join our listserv.



Department Groups Year in Review

Physics and Astronomy Graduate Student Council (PAGSC)

This year, the Physics & Astronomy Graduate Student Council (PAGSC) held many events, including traditions such as our beginning of the year fireboat cruise on the Chicago River, the International Students Committee Thanksgiving dinner, ice skating in the winter, and a trip to the Botanic Gardens. We also held new and recurring events such as game nights, a happy hour with the Applied Physics graduate students, outdoor sports day, outreach to the community, and a trip to the DuSable Black History Museum. Throughout the year, the Mentorship Committee held coffee hours, the DEI book club met to discuss books, and the Seminar Committee ran the P&A Early Career Research Seminar series. We also continued in our mission of ensuring communication between our graduate student community and department leadership, holding quarterly town halls and meetings with the department chair, as well as helping to facilitate communication regarding the effects of funding cuts on our department.



Gender Minorities in Physics (GMIP)

Professors Allison Strom and Michelle Driscoll launched the Gender Minorities in Physics (GMiP) affinity group in 2023 to build upon the efforts of GWiP and WiP. This year, GMiP hosted a department-wide “all-hands” mixer, bringing together gender minorities in Physics & Astronomy — including faculty, postdocs, students and staff — to connect and build relationships. We are excited to grow this initiative and continue building community in the year ahead.



If you are interested in learning more about any of our department groups, please feel free to reach out to the P&A Staff.

Department Events Year in Review



Top: Rosemary Braun; Tim Kovachy and Tianlong Zu making Liquid Nitrogen Ice Cream; undergraduate students. Bottom: Nathan Scott and Anna Humphrey; Anupam Garg, Jens Koch and Pallab Goswami; Jack Ryan, Austin Marga, Hardeep Singh, and Evan Shaman.

Fall Welcome

We kicked off the new academic year with our annual Fall Welcome. Professor Rosemary Braun presented on the 2024 Nobel Prize winner for Physics while students and faculty enjoyed liquid nitrogen ice cream and refreshments.



Graduate Student Orientation

In the fall, we welcomed 38 new Masters and PhD students to the department. On orientation day they gathered to pose for a group photo in front of their new offices at the Dearborn Observatory.



Above: George Winstone as a Dune Worm, Right: Jason McBride making popcorn

Fall Celebration

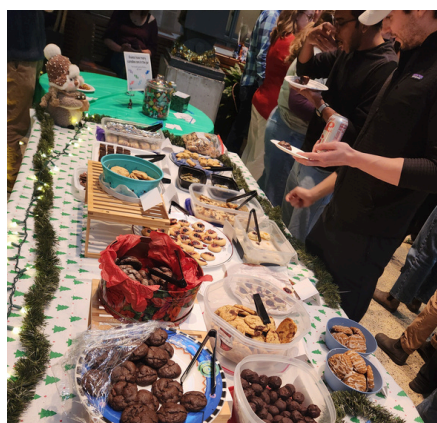
Every year we like to bring the entire department together to celebrate all things Fall and for a highly competitive Halloween Costume Contest. The competition was tough, but it didn't stop George Winstone from taking 1st place for the 3rd year in row.



Above: Sebastian Roethle, Daniel Campos, Ikenna Eze, Lillian Soucy, Alyssa Matthews

Department Events Year in Review

Holiday Party



Thank you to everyone who participated in the Cookie Contest! Congratulations to our winners, Aileen Bai Yang, Anna Humphrey and Jacob Singer for their Peppermint Chocolate cookies.



P&A won the Best Holiday Decor among all Weinberg departments, a title we hope to take home again this year.

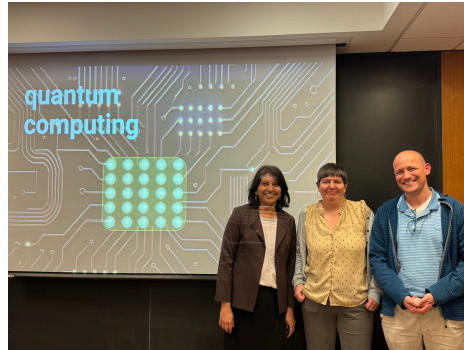
Department Events Year in Review



Professor Gabrielse presenting at Physics Horizons

Physics Horizons

The undergraduate seminar series, Physics Horizons, gives undergraduate students the opportunity to learn about the research performed by the department's faculty. There was a great turnout for this year's speakers, Professors Gabrielse and Koch and Associate Professor Kamal.



Professors Kamal, Driscoll and Koch at Physics Horizons



Associate Professor Driscoll speaking with a student at the Undergraduate Research Mixer

Undergraduate Research Mixer

During the winter quarter the department hosts an undergraduate research mixer. Students gather to learn about undergraduate research opportunities within the department.

Sievert Prize Lecture Series

Through the generous endowment from Paul Sievert, each year the department holds a public lecture series. Postdoctoral Scholar, Alexander C. Edison presented this year's Sievert Prize Lecture Series "Effective Field Theory: A Universal language of Physics." Recordings of each lecture are available on the department website.

2025 ANNUAL SIEVERT PRIZE LECTURES

Saturdays, 11:00AM
Norris University Center



Join us each week for an exciting educational lecture by **Alexander C. Edison**, a theoretical physicist working in our Amplitudes and Insights group on formal relativistic quantum field theory and quantum gravity, binary black hole physics, and late-time cosmology.

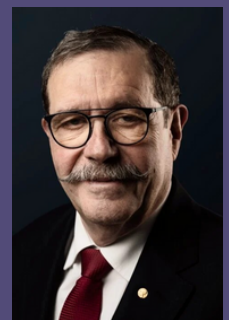
Effective Field Theory: A Universal language of Physics

 January 11 Norris Northwestern Room 2-160 <i>Models and Predictions</i>	 February 8 Norris Northwestern Room 2-160 <i>The Standard Model is Almost Perfect</i>
 January 18 Norris Northwestern Room 2-160 <i>Gravity from Newton to Einstein</i>	 February 15 Norris Northwestern Room 2-160 <i>Baby Pictures of the Universe</i>
 January 25 Norris Lake Room 2-180 <i>Ripples from a Maelstrom</i>	 February 22 Norris Northwestern Room 2-160 <i>Galaxies: Glitter in a Snow Globe</i>
 February 1 Norris Northwestern Room 2-160 <i>Looking at Ever Smaller Scales</i>	 March 1 Norris Northwestern Room 2-160 <i>A Bright Future Ahead</i>

The Department of Physics & Astronomy thanks Paul R. Sievert for this generous support of the Sievert Prize, donated in memory of his late wife Irene.



Alain Aspect presenting one of the Heilborn Lectures



Alain Aspect

Heilborn Lectures

For over 20 years, the department has been hosting the Heilborn Lecture Series through the generous support of the Walter and Christine Heilborn endowment. 2022 Nobel Prize recipient Alain Aspect was this year's Heilborn Lecturer. Alain Aspect is a Professor at the Institut d'Optique - Université Paris-Saclay. Professor Aspect presented two scientific talks and one public lecture. Recordings of the lectures are available on the department website.

Department Events Year in Review

Mardi Gras

The department's annual Mardi Gras festivities brought the entire department together this past Spring quarter for treats and games.



Left to right: Art Schmitt tries his hand at Jenga with the students; Mardi Gras attendees pose for a picture; students enjoy King Cake and Panczkis



Physics Majors Dinner

We took time at the end of the year to honor our Physics majors and minors at Five and Dime.



Above: Students gather to listen to Nate Stern present the awards; Right: Allison Strom, Adam Miller, István Kovács and Eric Dahl



Above: Drew Jensen, Shane Williams, Audrey Clarendon, Pedro Rodriguez, and Leka Davis; Right: Elisa Trevino, Hayley Shamah, Anna Humphrey, Nico Bers



Left to right: Allison Strom, Eric Dahl, André de Gouvêa and Michelle Driscoll

How to Apply to Grad School Panel

This year Michelle Driscoll, Allison Strom, Eric Dahl and André de Gouvêa answered questions and provided guidance on the graduate school application process at our How to Apply to Grad School panel.

Department Events Year in Review

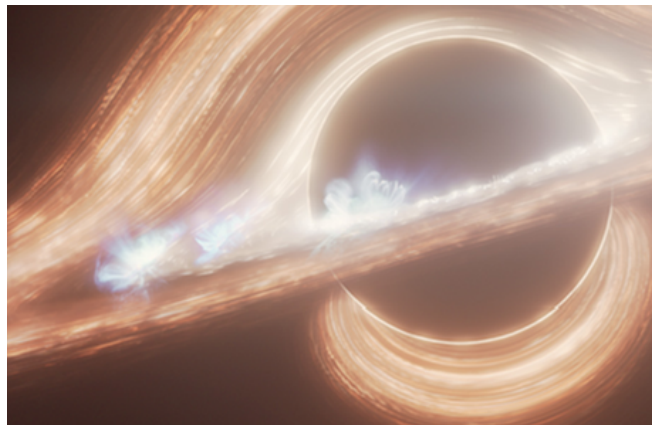
GRADUATION



Physics and Astronomy Faculty Research Updates



Professor Motter and his research group recently published a [study](#) on their newly developed computational tool for identifying the gene combinations underlying complex illnesses like diabetes, cancer and asthma. Using a generative AI model, the new method enables researchers to resolve patterns of gene activity that cause complex traits. This information could lead to new and more effective disease treatments. Learn more about this new development [here](#). (From Northwestern Now)



This artist's concept portrays the supermassive black hole at the center of the Milky Way galaxy. Several flaring hot spots that resemble solar flares, but on a more energetic scale, are seen in the disk. Image by NASA, ESA, CSA, Ralf Crawford (STScI)

Professor Farhad Zadeh lead the team of astrophysicists to gain the longest, most detailed glimpse yet of the black hole at the center of the Milky Way. Using NASA's James Webb Space Telescope, Zadeh captured the stream of flares of the supermassive black hole. The new findings could help physicists better understand black holes. The [study](#) was published in The Astrophysical Journal Letters. (From Northwestern Now)



Research Assistant Professor Xing Fan recently left the Center for Fundamental Physics in the Northwestern Department of Physics and Astronomy to become Assistant Professor of Physics at Harvard University. Prof. Fan received his PhD two years ago after working with Professor Gabrielse to use a one-electron quantum cyclotron to make a new measurement of the electron magnetic moment. He achieved an unprecedented precision of 1 part in 10^{13} in order to test the most precise prediction of the Standard Model of particle physics. As Research Assistant professor he helped launch the 3rd generation of the ACME measurement of the electric dipole moment of the electron which is now operating in the Gabrielse lab.

Physics and Astronomy in the Northwestern News

[Astrophysicist receives DOE Early Career Award](#) – September 2024

[Northwestern to lead \\$20 million National AI Research Institute in Astronomy](#) – September 2024

[Astrophysicist Allison Strom receives Packard Fellowship](#) – October 2024

[Young exoplanet's atmosphere unexpectedly differs from its birthplace](#) – December 2024

[Student wins global photography competition for second year in a row](#) – December 2024

[Sky survey classifies more than 10,000 supernovae](#) – December 2024

[Northwestern joins Giant Magellan Telescope's international consortium](#) – December 2024

[Probing the unsolved mystery of dark matter](#) – December 2024

[Flickers and flares: Milky Way's central black hole constantly bubbles with light](#) – February 2025

[Promising young researchers receive prestigious NSF CAREER awards](#) – February 2025

[Seven Northwestern professors named Sloan Research Fellows](#) – February 2025

[A cosmic love story](#) – February 2025

[Astrophysicist Adam Miller receives Cottrell Scholar Award](#) – February 2025

[First radio pulses traced to dead star binary](#) - March 2025

[Nine Northwestern faculty elected to the American Academy of Arts and Sciences](#) – April 2025

[Giant Magellan Telescope enters final design phase](#) – June 2025

[Northwestern scientists launch projects using the Vera C. Rubin Observatory](#) – June 2025

[AI identifies key gene sets that cause complex disease](#) – June 2025

Welcome to our incoming cohort of Physics and Astronomy Graduate Students!

PhD Program Cohort

Carly Galvin
Charles Gibson
Enes Haxhimali
Tsz-Fung Heung
Diana Horangic
Lilian Johnson
HyunSeung Kim
Dean Kousiounelos
Piramon Kumnurdmanee
Lambert Lin
Scott Lynch
Elizabeth Mone
Mingwa Park
Giana Perez
Dilara Sen
Sachin Venkatesh Thakku Saravana
Aswin Balaji Thanapaul
Bjorn Vetne
Bofang Wang
Maia Williams
Yiqiu Zhou

Masters Program Cohort

Mingyang Fan
Isabella Foti
Matthew Haines
Hope Reynolds
Matthew Turner
Rohan Venkat

Upcoming Academic Year 2025 - 2026 Events

September 11th : Academic directions fair

September 15th : Graduate Student orientation

September 16th : First day of classes

October 9th : Fall welcome

October 31st : Fall festival featuring our annual Halloween Costume Contest

December 3rd : Department Holiday Party

January - March 2026: Sievert Lecture Series

April 2026: Heilborn Lectures

Thank you to our Generous Donors

Shireen Dorab Adenwalla & Daniel Robert Claes

Robert J. Altizer

Carol E. Armstrong & Edward A. Armstrong

Stephen A. Becker

Yen Jung Chen

Valerie M. Conn

Stephen W. Delchamps

Timothy W. Donovan & Walter Krause

Anya S. Drabkin & Matvey Farber

Deborah Franke & John E. Franke

Leslie W. Fung & Michael E. Johnson

Lyndal J. Hanna

William E. Hayes

Carolyn G. Holland & Monte W. Holland

Gerald E. Holmberg & Margaret C. Holmberg

Zhendong Hong

Sonia Snezana Iovanovici & Crisan Liviu Talpes

Estate of Jay A. Jones

Charles Kaczinski

Muge Karagoz

Douglas P. Karim

Gary M. Lazich & Lucinda Pilarski Lazich

Jinho Lim

Anita Madan & Sandip S. Madan

Shannon Matthews

Ramiro A. Montalvo

Estate of Gerald P. Odell

Payman Parastaran

Joon H. Park

Robert P. Redwine

Daniel J. Segel

Randall F. Wade

Brandon Joseph Walker

Charles E. Wallace

Irene I. Wu

Make a Gift

<https://physics.northwestern.edu/make-a-gift/>

or



A special thanks to the P&A Staff for their extraordinary skills as ...
... handymen, movers, bakers, decorators, horticulturalists,
designers, artists and more!

