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Yale Physics



Week of October 8-14, 2023

Events

Monday, October 9

- 3:00 pm **Yale School of Engineering & Applied Science: *Dean's Invited Speaker***, Bratin Saha, Amazon AI, YSB Marsh Lecture Hall. [Register here](#).
- 3:30 pm **Special Physics Club & Undergraduate Hoodie Ceremony: *This Year's Nobel Prize in Physics: The Selection and the Science***, Peter Rakich & John Wettlaufer, Yale University, SPL 57 + zoom (password: 595687). Host: Sarah Demers.

Tuesday, October 10

- 2:00 pm **AMO Seminar: *Bose polarons in a box + equation of state in the GP model***, Gevorg Matirosyan, University of Cambridge, SPL 51. Host: Nir Navon.
- 4:00 pm **Particle Theory Seminar: *Two approaches to adjoint QCD_2***, Silviu Pufu, Princeton University, SPL 48.

Wednesday, October 11

- 11:00 am **NPA Seminar: *Search for chiral magnetic effect in heavy-ion collisions with ALICE***, Shi Qiu, Utrecht University/Nikhef, WL 216.
- 12:00 pm **Yale School of Medicine Center for Systems and Engineering Immunology Seminar: *How Specific are the Innate Immune Responses of Macrophages?***, Alexander Hoffmann, University of California, Los Angeles, 100 College, 11th Floor, rm. 1116. Host: John Tsang.
- 4:00 pm **Earth & Planetary Science Colloquium: *Looking into Mars with InSight***, Vedran Lekic, University of Maryland, KGL 123.
- 4:00 pm **Yale Undergraduate Quantum Computing Talk: *Neutral Atoms - Powering Quantum Computers***, Pedro Lppes, QUERA, YQI Seminar Room.

Thursday, October 12

- 11:00 am **Special Solid State & Optics Seminar: *Spontaneous orbital polarization in the nematic phase of FeSe***, Shua Sanchez, MIT, ML 107 + zoom (password

153361). Host: Eduardo H. da Silva Neto.

- 1:00 pm **Condensed Matter Theory Seminar:** *Universal theory of strange metals from spatially random interactions*, Aavishkar Patel, Flatiron Institute, SPL 51.
- 2:30 pm **Yale Astronomy Colloquium:** *Uncovering the ancient Milky Way*, Anirudh Chiti, University of Chicago, KT 509 A&B.

Friday, October 13

- 11:00 am **Department of Applied Physics, Special Solid State & Optics Seminar:** *Spontaneous orbital polarization in the nematic phase of FeSe*, Shua Sanchez, MIT, ML 107 + zoom. Host: Eduardo da Silva Neto.
- 1:00 pm **NPA Seminar:** *From Light to Heavy Flavor: Using Hadrons as Probes of Ion-Ion Collisions*, Anders Knospe, Lehigh University, WL 216.

[More events](#)

News



Bewersdorf wins Yale Faculty Innovation Award

This year, Yale University has recognized fourteen members of their faculty with Yale Faculty Innovation Awards. The recipients were honored for bringing their discoveries to market and launching Yale innovation into the world.



ALPHA and HAYSTAC collaboration meetings

Wright Lab hosted two related experimental collaboration meetings the week of September 25, the Axion Longitudinal Plasma Haloscope (ALPHA) Collaboration and the Haloscope At Yale Sensitive To Axion CDM (HAYSTAC) Collaboration. ALPHA is a new experiment to be constructed at Wright Lab.



Relativistic Heavy Ion Group in Quark Matter 2023

From Sept. 3-9, 2023, numerous past and present members of the Wright Lab Relativistic Heavy-Ion Group (RHIG) joined over 700 scientists in Houston, Texas, for the 30th International Conference on Ultra-relativistic Nucleus-Nucleus Collisions, also known as Quark Matter 2023.

[More news](#)

Community

Climate and Diversity Committee News

In October, Yale observes [Disability Awareness Month](#) (nationally celebrated as National Disability Employment Awareness Month) to recognize our differences, including differences in ability. Engage with this month's offerings and visit DAY Affinity Group's [disability facts page](#) for more information about disabilities.

If interested in joining the CDC, please contact Rona Ramos, Chair of CDC. You may contact the whole committee at physics-cdc@mailman.yale.edu.

Lost and Found

Reminder, there is a Lost and Found box in the Chair's Office. [Please check our flickr album](#) to see what has been collected over the last AY. If you have an item go missing or think you have left it behind somewhere, please check with Kirstin or Jen in the Chair's Office (SPL 34).

Community News



2023 Department Welcome Reception

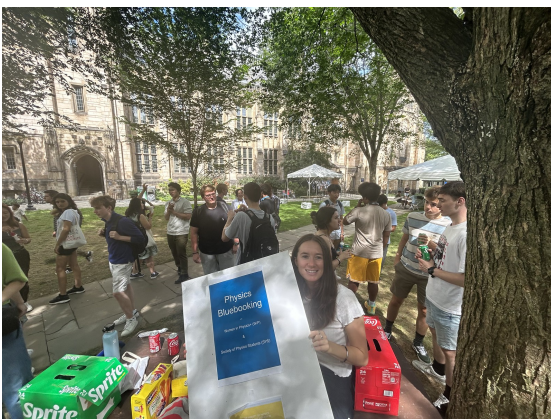
On September 27th, the Yale Physics community and their families gathered at Yale's Leitner Family Observatory and Planetarium for the department's annual welcome reception.



Hannah Carroll Retirement

Yale Physics celebrated the retirement of Hannah Carroll, Lead Administrator in Astronomy and Physics. Hannah retired after 32 years of service at Yale, including 22 years in the Yale Physics Department.

Women in Physics recent events



Bluebooking 2023

Co-hosted between Society of Physics Students (SPS) and Women in Physics (WiP), bluebooking is an essential event we offer every semester! Anyone from prospective majors that have questions about the introductory sequences to seniors looking for that last physics elective they need to graduate gather on Cross Campus to offer course selection advice and converse about their planned schedules for the year. It's an opportunity for the undergraduate

physics community to come together and start the year off right!. [Photo album here.](#)



Activity Bazaar 2023

One in hundreds of tables at this year's Student Organizations Bazaar, Women in Physics (WiP) turned up to showcase their vibrant community within the physics major here at Yale. Current members took turns (wo)manning the booth to answer questions from prospective members about what the incredible opportunities this space has to offer: weekly study halls, attending a conference for undergraduate women in physics together, brunch with faculty, and the overall wealth of knowledge and support this family has to offer.



Women in Physics Brunch 2023

Each semester, the Women in Physics community is graciously hosted by a faculty member for Brunch. This Fall the brunch was hosted by Professor Reina Maruyama, a renowned particle physicist in the department at Yale. On September 3rd, undergraduate students in WiP came together to meet many other women+ in the physics and astrophysics communities over delicious pastries and coffee. They sat in the sunshine in Reina's backyard discussing what they loved about physics, their experiences being women in a historically male-dominated field, hearing from female faculty and graduate students about how to advocate for yourself as a scientist and how the field has changed, and so much more! [Photo album here.](#)

Outreach

[Yale Science Communications](#) has several upcoming opportunities for graduate students and postdocs interested in communicating science, including:

Science in the News: Science in the News is annual spring talk series at local libraries and community centers in the local New Haven community and beyond.

Speaker Mini Talks on October 10th and 12th at Yale (main campus and med campus): [Sign up for a mini talk here!](#) Email [Renuka Ramanathan](#) for more information. The mini talks are casual 5-minute talks, during which you can talk about any science topic of your choosing.

Coordinator Sign-Up: Interested in getting involved with us in a non-speaking role? Coordinators provide feedback to the speakers to help them create their talk. In this role, you can also attend the mini talks to learn more about our talk series. If you are interested in this position, [please fill out this form](#) and we will contact you with additional information.

COVID-19 Update

[Yale COVID-19 Information](#) - including updates on [testing](#) and [vaccinations](#).

Opportunities

Faculty Opportunities

No internal open positions at this time.

Tenure-track Assistant/Associate/Full Professor in Biophysics - Johns Hopkins University (deadline **October 15, 2023**)

Faculty position in Radiation and Nuclear Physics - University of Memphis (deadline **October 20, 2023**)

Tenure-track Assistant Professor in Theoretical High Energy Physics – Particle Cosmology - University of Pennsylvania (deadline **November 1, 2023**; expected start date July 1, 2024)

Assistant Professor in Quantum Information Science - UC Berkeley (deadline **November 13, 2023**)

Assistant Professor position in the fields of Neutrino Physics, Particle Astrophysics, Cosmology and Gravitational Waves - UC Riverside (deadline **November 19, 2023**)

Tenure-track faculty position in Quantum Condensed Matter Theory- Brown University (application deadline **November 30, 2023**)

Tenure-Line Faculty hire in Experimental Dark Matter/Neutrinos- Brown University (application deadline **March 15, 2024**)

Two tenure-track Assistant Professor positions in experimental physics - Illinois Wesleyan University

Faculty positions in experimental and theoretical physics - King Fahd University of Petroleum and Minerals, Physics Department

Postdoctoral Opportunities

Postdoctoral Research Scientist, Experimental High Energy Physics - Yale University (deadline October 13, 2023)

Dicke Fellow - Princeton University (deadline **October 20, 2023**)

2024 Yale Quantum Institute Postdoctoral Fellowship - Yale University, YQI (deadline October 29, 2023 at 11:59pm ET)

2024 Yale Prize Postdoctoral Prize Fellowship - Yale University (deadline October 31, 2023)

Yale Center for Astronomy & Astrophysics Postdoctoral Fellowship - Yale University (deadline November 3, 2023)

2024 Postdoctoral Fellowships - Perimeter Institute (deadline **November 6, 2023** for positions to start in September 2024.)

Linus Pauling Postdoctoral Fellowship- Pacific Northwest National Laboratory (deadline **November 9, 2023**)

Yale Mossman Fellowship - Yale University (deadline November 15, 2023)

[Edwin Thompson James Fellowship](#)- Washington University in St. Louis (deadline **November 15, 2023**)

Postdoctoral Associate in Experimental Cosmology - Yale University (deadline December 15, 2023)

[Postdoc Position in Theoretical Condensed Matter and Computational Biophysics - UC Riverside](#)

[Experimental Postdoctoral Position in Electron-Positron Plasmas - UC Riverside](#)

[Postdoctoral Position in the Quantum Monte Carlo Group - Washington University in St. Louis](#)

Graduate Student Opportunities

[NRC Research Associateship Programs](#)- National Academies for Sciences, Engineering, Medicine (Online applications open as follows December 1 (closes February 1), March 1 (closes May 1), June 1 (closes August 1), and **September 1 (closes November 1)**)

[Foreign Affairs Information Technology Fellowship](#) - U.S. Department of State (deadline **January 16, 2024**), [Webinar](#) for more information.

[The Department of the Airforce Science & Technology Fellowship Program](#)

Undergraduate Student Opportunities

Research Assistant - Yale School of Medicine (contact [Navin Kumar](#) for further information)

- Research Assistant – Harm Reduction (send CV to Keyu Chen keyuchen2020@gmail.com)
- Research Assistant – Data Analysis & Harm Reduction (send CV to Keyu Chen keyuchen2020@gmail.com)

[Foreign Affairs Information Technology Fellowship](#) - U.S. Department of State (deadline **January 16, 2024**), [Webinar](#) for more information.

General Grants and Fellowships

[NASA Connecticut Space Grant Consortium - Fall Request for Proposals](#) (deadline **October 13, 2023**, at 11:59pm)

Meetings, Schools, Workshops, and Conferences

[American Physical Society March Meeting 2024](#), March 3-8, 2024 - Minneapolis, MN and virtual (dates to be announced). American Physical Society March Meeting is a scientific research conference that brings together more than 13,000 physicists from around the world to showcase their work, connect with others, and discover groundbreaking physics research. Join us in 2024 for an extra special week as we celebrate the 125th anniversary of APS.

Registration opens November 2023. Submit your abstract through October 20, 2023.

[American Physical Society Conferences for Undergraduate Women in Physics \(CUWiP\)](#), January 19-21, 2024 - nearest locations are: Boston University & Wellesley College; City University of New York, Graduate Center; or United States Military Academy, West Point. The 2024 Millie Dresselhouse CUWiP Keynote Speaker is [Dr. Jocelyn Bell Burnell](#), Royal Society of Edinburgh. **Applications close October 23, 2023.**



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