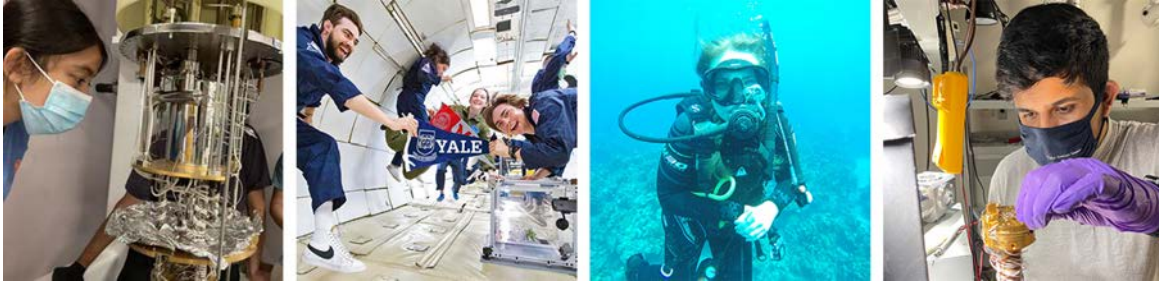


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# Yale Physics



**Friday, October 21, 2022**

## Events

**Monday, October 24-Friday, October 28**

All Day **Black in Physics Week 2022:** *Celebrating the Joy in the Diverse Black Community*, learn more about this year's events [here](#).

**Monday, October 24**

4:00 pm **Physics Club:** *A Modification of Quantum Mechanics*, David Kaplan, Johns Hopkins University, SPL 57. Host: Ian Moulton.

4:00 pm **Department of Chemistry - Theoretical Chemistry Seminar:** *Title TBA*, Daniel A. Lidar, University of Southern California, SCL 110.

**Tuesday, October 25**

3:00 pm **Wright Lab Event:** *Introduction to Data Analysis with Python Workshop*, Vincent Balbarin, Yale University, WL 216. [RSVP here](#).

4:00 pm **High Energy Particle Theory Seminar:** *Precision Physics & Proton Structure*, Johannes Michel, MIT Center for Theoretical Physics, SPL 51. Host: Yuan Xin.

4:00 pm **Department of Chemistry - Biophysical Seminar:** *Title TBA*, Naomi Ginsberg, University of California, Berkeley, SCL 160.

**Wednesday, October 26**

2:30 pm **Mechanical Engineering and Materials Science Seminar:** *Bio-Inspired Locomotion Strategies: Design Analogies across Mediums and Scales*, Aimy Wissa, Princeton University, ML 107. Host: Corey O'Hern.

4:00 pm **The Department of Earth & Planetary Sciences Alan M. Bateman Lecture:** *Insights into deep mantle phase transitions from new mineral physics data combined with seismology and geodynamics*, Paula Koelemeijer, University of Oxford, remote talk.

4:15 pm **The Department of Mathematics Colloquium:** *Classification of smooth actions by higher rank lattices in critical dimensions*, Zhiren Wang, Penn. State and IAS, DL 220.

## Thursday, October 27

- 1:00 pm **Condensed Matter Theory Seminar:** *Superfluidity from Correlations in Driven Boson Systems*, Fernando Sols, Universidad Complutense de Madrid, SPL 63. Host: Meng Cheng.
- 2:30 pm **Yale Astronomy Colloquium:** *Dynamical Tests of Dark Matter and Galaxy Formation Theories in the Milky Way*, Robyn Sanderson, University of Pennsylvania, WTS A-51.

## Friday, October 28

- 11:00 am **Wright Lab Event:** *The Elusives Journal Club*, Members in the departments of physics and astronomy who work on dark matter and neutrino-related fields are invited to get together to discuss papers related to their field. Topics include: neutrinos, dark matter, BSM physics, fundamental symmetries, precision physics and more, WLC 245. Please email [Jorge Torres](#) for zoom connection information.
- 3:00 pm **Poorvu Academic Strategies Workshop:** *Wait--Someone Will Pay Me to Do That?! (Arts and Humanities)*, Oh, the places you'll go! Dr. Seuss might well have been talking about YOU if you come to this session. This workshop aims to demystify undergraduate fellowships/funding for Arts and Humanities students. You will learn from other Yale students about some of the big resources for Arts/Humanities funding, and together discuss how to find opportunities, how to talk with faculty and staff about your dreams; and why to make this a part of your Yale education. Poorvu Center, rm. M104A.

[More events](#)

## News



### Speller wins Packard Fellowship

Postdoc alum Danielle Speller, assistant professor at Johns Hopkins University, has been awarded a 2022 Packard Fellowship for Science and Engineering, a prestigious early-career award for scientists that provides "flexible funding and the freedom to take risks and explore new frontiers in their fields of study."

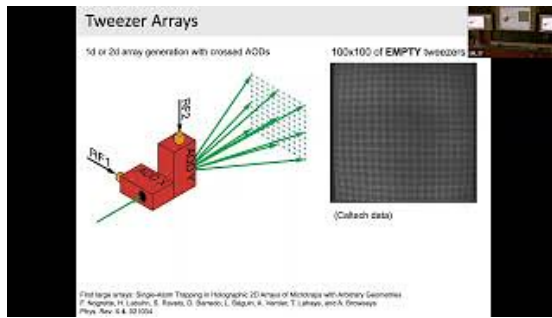
[More news](#)

## Social Media This week

### Physics Club on YouTube

The October 10, 2022 Physics Club was presented by Manuel Endres from Caltech on "Creating entangled quantum systems using tweezer arrays".

See <https://youtu.be/NrgxPoWOpbk> for video and further information.



## Community



### First Year Grad Student Mid-term party

On Monday, the first year physics graduate students threw a seasonal party to mark the halfway point in their first semester of grad school and to celebrate the beautiful New Haven fall. The event featured pumpkin-carving, fall-themed snacks, and a movie. See the results on [flickr!](#)

### Department Sustainability - mugs!

Bring your reusable mug to Physics. Here's why:

1. The glue used in paper cups can break down and release melamine, which is harmful if consumed.
2. Single use cups, even the recyclable ones are seldom recycled.
3. Coffee tastes better from a ceramic or stainless-steel mug.
4. If you use a ceramic mug about 18 times, or a plastic mug eight times, you will break even with a paper cup in terms of water use, energy and waste. Each use after that means more environmental savings, and less garbage.

*If interested in receiving a departmental mug please email the [Chair's Assistant](#).*

### COVID-19 update

Yale COVID-19 Information - [click here](#) for updated information.

## Opportunities

### Faculty Positions

[Asst./Assoc./Full Professor in Experimental Quantum Science](#) - Yale University

[Associate/Full Professor, Experimental Atomic, Molecular, and Optical Physics](#) - Yale University

[Assistant Professor in Biological Physics](#) - Yale University

[Assistant Professor in Experimental Nuclear Physics](#) - Yale University

**[Assistant Professor in Astrophysics & Cosmology](#) - Yale University**

[Assistant Professor of Physics, Tenure track](#) - The College of Wooster

[Assistant Professor in Experimental Particle Physics](#) - University of Pennsylvania

[Faculty and Associate Faculty Positions](#) - Perimeter Institute

[Tenure-Track Assistant Professor in Biophysics](#) - Johns Hopkins University (deadline **October 20, 2022**, anticipated start date of July 1, 2023)

[Assistant Professor Position in Quantum Condensed Matter and Atomic Molecular and Optical Physics](#) - NYU (review of applications will begin **November 1, 2022**)

[Assistant Professor in Theoretical Physics](#) - University of California, Berkeley (Deadline **November 11, 2022**)

[Cluster hire in Quantum Information, Materials, Sensors, and their Applications](#) - Washington University in St. Louis (deadline **November 14, 2022**)

[Assistant Professor, Department of Physics and Astronomy](#) - University of California, Davis (application deadline **November 18, 2022**, anticipated start date of July 1, 2023)

[Assistant Professor Position in Particle Astrophysics, Cosmology, and Gravitational Waves](#) - University of California, Riverside (application open through **December 31, 2022**, anticipated start date of July 1, 2023)

[Assistant/Associate Professor, Physics](#) - Hope College (deadline **December 31, 2022**)

[Tenure-track assistant professor position at ECE](#) - Princeton University (deadline **December 31, 2022**, preferred start date of September 1, 2023)

[Associate Professor Position in Particle Astrophysics, Cosmology, and Gravitational Waves](#) - University of California, Riverside (application open through **June 30, 2023**, anticipated start date of July 1, 2023)

[Assistant Professor Position in Experimental Quantum Information Science](#) - NYU (anticipated start date of **Sept. 1, 2023**)

## **Research Scientist Positions**

[Research Scientist, Relativistic Heavy-Ion Research Group](#) - Yale University

[Research Scientists \(CHORD radio telescope\) 5 Year Term](#) - Perimeter Institute

## **Postdoctoral Positions**

[Postdoctoral Associate Position in Theoretical Physics](#) - Yale University

[Postdoc position in research and science communication](#) - Yale University (application deadline **October 1, 2022**)

[Postdoctoral Research Associate - Experimental Nuclear/Particle Physics](#) (multiple positions) @ UMass Amherst

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

[Postdoctoral Scholar position in Quantum Condensed Matter Theory](#) - University of California, Santa Cruz (deadline **December 1, 2022**)

[2023 Postdoctoral Fellowship](#) - Perimeter Institute (deadline **November 8, 2022**)

[Dicke Fellow - Associate Research Scholar](#) - Princeton University (deadline **October 21, 2022**)

[Postdoctoral Prize Fellowship and Positions, Galaxies and Cosmology](#) - Max Planck Institute for Astronomy (MPIA) in Heidelberg (deadline **November 23, 2022**)

[Prize postdoctoral fellowship at Johns Hopkins Physics and Astronomy](#) - Johns Hopkins University (application open through **February 8, 2023**, consideration of applications will begin on November 1, 2022)

## PhD Position

[PhD Positions in Quantum Condensed Matter Theory](#) - University of California, Santa Cruz (deadline **January 4, 2023**)

## Graduate Student and Postdoc Research

[Dudley Observatory Astronomer](#) - Siena College

[Positions for postdocs and graduate students affected by the war in Ukraine](#) - Perimeter Insitute

[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)**)

## Undergraduate Research

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

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

[Spring 2023 Undergraduate Internships](#) - DOE Office of Science (applications due **October 5**)

## Graduate Student and Postdoc Schools, Workshops, and Conferences

[Go Beyond: Postdoc Preview](#), October 28-30, 2022 - University of Notre Dame

[Quantum Creators Prize Symposium 2022](#), November 14-15, 2022 - The Chicago Quantum Exchange and the University of Chicago

[iid2022: Statistical Methods for Event Data](#), November 15-19, 2022 - University of Alabama in Huntsville

[Boulder School in Condensed Matter and Materials Physics 2023: Non-Equilibrium Quantum Dynamics](#), July 3-28, 2023 - University of Colorado, Boulder (deadline **January 15, 2023**)

## Grants, Fellowships and Scholarships

### Faculty

[Wilson Fellowship](#) - Fermilab (Deadline **November 4, 2022**)

### Graduate

[Amplify Scholarship](#) - Optica (Deadline **December 9, 2022**)

*Chair/Faculty may nominate up to 3 PhD students for each of the PhD Fellowship programs from your department.*

[2023 Two Sigma PhD Fellowship](#) (Deadline **November 4, 2022**)

[2023 Two Sigma Diversity PhD Fellowship](#) (Deadline **November 4, 2022**)

## Undergraduate

[Amplify Scholarship](#) - Optica (Deadline **December 9, 2022**)

*There are two ways to submit the application: either a faculty/staff member from their department can submit on their behalf or the student can apply directly.*

[2023 Two Sigma Undergraduate Scholarship](#) (Deadline **November 4, 2022**)

[2023 Two Sigma Diversity Undergraduate Scholarship](#) (Deadline **November 4, 2022**)



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