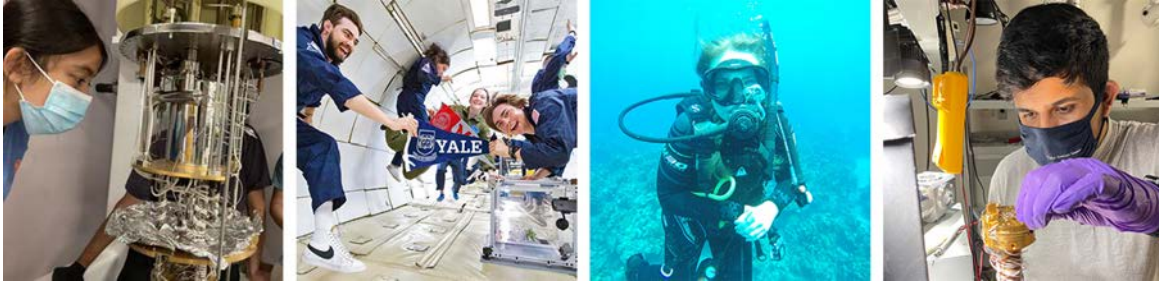


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# Yale Physics



**Friday, September 16, 2022**

## Events

### Monday, September 19

- 10:00 am **Yale Quantum Institute Colloquium:** *PostPandemic Tool for Quantum Materials and vice-versa*, Kenneth Burch, Boston College, YQI Seminar Room + zoom. Host: Rob Schoelkopf.
- 4:00 pm **43rd Hanan Rosenthal Memorial Lecture:** *Supersolidity in dipolar quantum gases: when atoms behave as crystal and superfluid at the same time*, Francesca Ferlaino, IQOQI-Innsbruck, Austrian Academy of Sciences, SPL 59 (overflow in SPL 57). Host: Nir Navon.
- 4:00 pm **Molecular Biophysics & Biochemistry Seminar:** *Morning larks and night owls shed light on human circadian timekeeping*, Dr. Carrie Partch, University of California, Santa Cruz, zoom. Host: Lisa Serman.

### Tuesday, September 20

- 4:00 pm **Particle Theory Seminar:** *Discrete chiral symmetry and mass shift in the Lattice Schwinger Model*, Bernardo Zan, Princeton University, SPL 51. Hosts: Bianka Meçaj, Murat Kologlu, Petar Tadic, Yuan Xin.

### Wednesday, September 21

- 6:00 pm **Physics Department Welcome Picnic:** Pizza truck, refreshments, and games at *Leitner Observatory & Planetarium*. [RSVP here](#).

### Thursday, September 22

- 2:30 pm **Yale Astronomy Colloquium:** *Title TBA*. Kathryn Neugent, University of Washington, Watson Center, rm. A05.

### Friday, September 23

- 9:30 am **Wright Lab Event:** *EHS Orientation for Wright Lab Shop Users - Fall 2022* . 1-hour Environmental Health & Safety (EHS) shop orientation. Required to be taken once by anyone who would like to gain access and make use of the research and teaching shops at Wright Lab. [Register here](#).
- 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. WL 216. [Please email the host for the zoom connection information.](#)

1:00 pm

**Postdoc Appreciation Lunch:** *The department chair will be hosting lunch for the postdocs and research scientists in honor of postdoc appreciation week .* YSB Courtyard (if raining, SPL 3rd Floor lounge). [RSVP here.](#)

[More events](#)

## News



### **Sarah Demers featured in AIP Oral History Interview**

Sarah Demers, professor of physics and a member of Yale's Wright Lab, was interviewed by David Zierler for the American Institute of Physics (AIP) Oral History interviews, which offer unique insights into the lives, works, and personalities of modern scientists.



### **Welcome Dallas DeMartini Postdoctoral Associate**

Welcome to Dallas DeMartini who comes to us as a postdoctoral associate from Stony Brook University. He is working with Yoram Alhassid in Sloane Physics Lab in the area of theoretical nuclear physics.



### **Wettlaufer research in Yale News**

"As the planet warms, we predict that the land-ocean contrast of atmospheric heating enhances the meandering in the jet stream and that implies more of these extreme weather events, such as what we have experienced this summer in Kentucky," said John Wettlaufer, the A.M. Bateman Professor of Geophysics, Mathematics, and Physics at Yale.

[More news](#)

## Social Media This week

### **Featured post**

43rd Hanan Rosenthal Memorial Lecture:



Francesca Ferlaino, IQOQI-Innsbruck, Austrian Academy of Sciences, Supersolidity in dipolar quantum gases: when atoms behave as crystal and superfluid at the same time.

## Community

### Climate and Diversity Committee News

#### WiP+ Plans for New Academic Year

Women in Physics+ wants to begin the new year by reaffirming our commitment to all underrepresented genders in our physics community. While this group was originally formed to serve the women in the department, it is our goal to make this a space that belongs to all gender minorities. We will continue to serve women in the department as we welcome members who do not identify as women into our group as this expansion in our community is intended to strengthen our organization and allow us to support all those who have not seen their gender represented in STEM no matter their identity.

In order to reach our goal of creating an environment that fosters the growing diversity in the physics department, we focus on two main types of events: (1) social, community building events and (2) educational, action based events. To keep up with our upcoming events and join our community please check out the link below to join our mailing lists, follow us on social media, and contribute to our monthly newsletter on WiP+ topics and events.

*If interested in joining the WiP+, please contact Caitlin Gish or Sierra Wilde, Co-Chairs of WiP+. [Click here](#) to join mailing list.*

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

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

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

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

[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 of Physics](#) - University of Oregon (application deadline **October 15, 2022**)

## Research Scientist Positions

[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

[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)

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

## Graduate Student and Postdoc Research

[Dudley Observatory Astronomer](#) - Siena College

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

## 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

[Quantum Gravity Around the Corner](#), October 3-7, 2022 - Perimeter Institute (registration open July 8-September 16)

[NASA Science Mission Design Schools](#) - NASA Jet Propulsion Laboratory (deadline September 28, for the Astrophysics Mission Design School 2023)

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

[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



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