

# Yale Physics



## Week of March 24-30, 2024

### Events

#### Monday, March 25

- 10:20 am **Applied Physics Seminar:** *The ultrafast way of coherent electron control: from quantum spectroscopy to Floquet engineering & petahertz electronics*, Christian Heide, Stanford PULSE Institute and Applied Physics, DL 220 + zoom (password: 725615). Host: Sohrab Ismail-Beigi.
- 3:30 pm **Physics Club:** *The Einstein Telescope*, Eugenio Coccia, Institute for High Energy Physics & Gran Sasso Science Institute, SPL 57 + zoom (Password: 595687). Host: Francesco Iachello.
- 4:00 pm **Molecular Biophysics & Biochemistry Seminar:** *Intrinsic Disorder as an Organizing Principle for Biological Membranes*, Jeanne Stachowiak, University of Texas, Austin, BML, Brady Auditorium. Host: Julien Berro.
- 4:45 pm **Physics & QBio Hagaromo Hour:** *From Min protein pole-to-pole oscillations to Turing foams*, Henrik Weyer, LMU Munich, SPL 51. Hosts: Michael Abbott, Isabella Graf, and Mason Rouches.

#### Tuesday, March 26

- 1:30 pm **Cosmology Seminar:** *Squeezing fNL out of the matter bispectrum with cosmological consistency relations*, Sam Goldstein, Columbia University, KT 413. Host: Xinyi Chen.
- 3:00 pm **WIDG Seminar:** *How to Measure a QCD Critical Point*, Zachary Sweger, University of California, Davis, WL 216. Host: Youqi Song.
- 4:00 pm **Particle Theory Seminar:** *Landau, Cutkosky, and Pham: Geometry and Analyticity of Scattering Amplitudes*, Matthew Schwartz, Harvard University, SPL 51.
- 4:00 pm **Department of Chemistry. Physical Chemistry Seminar:** *Allostery and Specificity of CRISPR-Cas9 at the Atomic Level*, George Lisi, Brown University, SCL 110.
- 4:30 pm **The Franke Program in Science and the Humanities:** *Film Screening of Richland*, Filmmaker Irene Lusztig will be joining us to discuss the film with the

audience, HQ L02.

5:30 pm **History and Foundations of Physics (HoFoP) Reading Group, Meeting 4.2: *What is a simulation for? Physics between theory and experiment***, KT 401. Contact: Yarone Tokayer, Molly Watts, or Sebastian Fernandez-Mulligan.

## Wednesday, March 27

12:00 pm **YPPDO Workshop: *Plan and Manage Your Career Development with Jacob Gonzalez***, WL 216. Host: Fernando Flor.

1:00 pm **Applied Physics. Special Solid State & Optics Seminar: *Shaping Light for Understanding the Nervous System***, Cristina Rodriguez, Yale University, ML 107 + zoom (password: 959122). Host: Hui Cao .

4:00 pm **Department of Chemistry. Jerome A. Berson Lecture in Physical Organic Chemistry: *Exploring Fluoro: Fluorine and Fluorescence in Chemical Biology***, Ellen Sletten, University of California, Los Angeles, SCL 160 + panopto. Host: Scott Miller.

## Thursday, March 28

1:00 pm **NPA Seminar: *Probing hot QCD matter with charm and beauty quarks***, Deepa Thomas, The University of Texas at Austin, WL 216. Host: Isaac Mooney.

4:00 pm **Department of Mathematics Colloquium: *The After Math of Injustice***, Phillip Atiba Solomon (f.k.a. Goff), Yale University, KT 1327.

## Friday, March 29

11:00 am **Elusives Journal Club: *Current topics of interest***, Emily Pottebaum, Yale University, WLC 245. Hosts: Xiran Bai and Eleanor Graham.

[More events](#)

## News



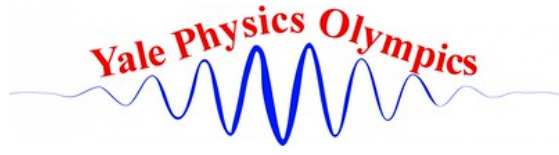
### Chiara Mingarelli wins the MCAA Career Award 2023

Chiara Mingarelli, assistant professor of physics, has been chosen as the recipient of the **Marie Curie Alumni Association Career Award 2023**.

[More news](#)

## Community

### Outreach



## Yale Physics Olympics 2024

A free physics competition for registered teams of high school students and teachers from Connecticut and the surrounding area. 8:30 a.m. to 4:30 p.m. in Sloane Physics Lab. Host: [Stephen Irons](#).

## Climate and Diversity Committee News

### Belonging at Yale Series: Part Four "What's On Your Mind?"

Monday, March 25th | 12 - 1:15 PM | Zoom | [RSVP](#)

Belonging at Yale Part 4 will be an interactive session where you'll discuss opinions and share experiences with peers and fellow community members. Dr. Zoe Chance, a faculty member at Yale School of Management and teacher of its most popular elective, will moderate.

We'll have a series of small breakout room conversations, larger group debriefs, and a few insights from behavioral science. Please join from a location with minimal distractions and enough privacy to speak freely. We want to ask you to turn on your camera, but the dress code is casual, and the workshop will not be recorded.

### National Sleep Awareness Month

In recognition of National Sleep Awareness Month, Being Well at Yale recommends [resources for getting more and better sleep](#), including a bedtime calculator, tips for creating a healthy sleep environment, and a confidential web-based program for sleep problems and insomnia.

*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](mailto: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).

## COVID-19 Update

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

# Opportunities

## Faculty Opportunities

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

Assistant Professor position in the fields of Neutrino Physics, Particle Astrophysics, Cosmology and Gravitational Waves - University of California, Riverside (anticipated start date of July 1, 2024).

## Postdoctoral Opportunities

Postdoctoral Research Position in Experimental Neutrino Physics - University of Pittsburgh (deadline **March 31, 2024**)

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

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

[Postdoc position in experimental cosmology - UC Riverside](#)

## 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 \(closes November 1\)\)](#)

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

## Undergraduate Student Opportunities

[Perimeter Scholars International Bridge \(PSI Bridge\) Program - Perimeter Institute \(deadline \*\*April 1, 2024\*\*\)](#)

[Undergraduate Research - Yale School of Medicine](#)

[Research Position Available in Hatzios Lab - Yale Department of Molecular, Cellular and Developmental Biology.](#)

## Meetings, Schools, Workshops, and Conferences

[Asian Americans and STEM conference, May 10, 2024 - Yale University. Register now.](#)

[American Physical Society 55th Annual Meeting of the APS Division of Atomic, Molecular and Optical Physics, June 3-7, 2024 - Fort Worth, TX. Early registration open until \*\*May 3, 2024\*\*.](#)

[National Nuclear Physics Summer School \(NNPSS\), July 15-26, 2024 - Indiana University, Bloomington. Application deadline \*\*April 8, 2024\*\*.](#)

[2024 Fall Meeting of the APS Division of Nuclear Physics, October 6-10, 2024 - Boston, MA.](#)



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