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# Yale Physics



## Week of April 21-27

### Events

#### Monday, April 22

- 10:20 am **Applied Physics Seminar:** *Redesigning materials from the atomic scale*, Bumho Kim, University of Pennsylvania, DL 220 + [zoom](#) (password: 786249). Host: Sohrab Ismail-Beigi.
- 3:30 pm **Physics Club:** *There is no physics club this week.*

#### Tuesday, April 23

- 10:00 am - 2:00 pm **Yale Quantum Institute Professional Development Series:** *Article Peer-review Workshop*, Katuscia Cassemiro (PRX Quantum Managing Editor), Erin Knutson (PRA Editor), and Mauro Schiulaz (APS Associate Editor), YQI Seminar Room. Lunch will be provided. [Please register](#) and indicate your area(s) of expertise to help the organizers match the preprints with your areas.
- 11:00 am **Special Solid State & Optics Seminar:** *Non-Hermitian Photonics*, Ramy El Ganainy, Michigan Technological University, ML 107 + [zoom](#) (password: 057560). Host: Jack Harris.
- 1:15 pm **Particle Theory Seminar:** *Jet EEC in hot QCD*, João Barata, Brookhaven National Lab, SPL 51.
- 3:30 pm **Leigh Page Prize Lecture:** *The Emergence of Topological Quantum Matter*, Charles Kane, University of Pennsylvania, SPL 59 + [zoom](#) (password: 595687). Host: Meng Cheng.

#### Wednesday, April 24

- 12:00 pm **Yale Physics Professional Development Organization (YPPDO) Workshop:** *Transitioning into Industry after PhD and/or Postdoc with Jenna DiRito*, WL 216. Host: Fernando Flor.
- 1:00 pm **Solid State & Optics Seminar:** *Integer and Fractional Quantum Anomalous Hall Effects in Graphene*, Long Ju, MIT, ML 107 + [zoom](#) (password: 351056). Host: Yu He.

- 3:30 pm **Leigh Page Prize Lecture: *Symmetry, Topology and Electronic Phases of Matter***, Charles Kane, University of Pennsylvania, SPL 59 + [zoom](#) (password: 595687). Host: Meng Cheng.
- 4:00 pm - **Yale Quantum Institute Panel Discussion. How to Join the Quantum Workforce: *Technology Transfer***, Larron Burrows (Andros), Oliver Gilman (Particle-N), and Kassie Tucker (Tsai Center for Innovative Thinking at Yale), [Zoom webinar](#).
- 5:00 pm
- 7:00 pm **Kimball Smith Series Panel Discussion: *Beyond Bits – Global Effects of Quantum Technology***, Mark Ritter (IBM Research), Robert Schoelkopf (Yale University), YQI Seminar Room.

## Thursday, April 25

- 1:00 pm **Nuclear Particle Astrophysics (NPA) Seminar: *A story in four dimensions - The future of 4D detectors in High Energy Physics***, Gabriele D'Amen, Brookhaven National Laboratory, WL 216. Host: Arianna Garcia Caffaro.
- 1:00 pm **Condensed Matter Theory Seminar: *Circuit complexity and functionality: a thermodynamic perspective***, Claudio Chamon, Boston University, SPL 51.
- 2:30 pm **Yale Astronomy Colloquium: *Title to be announced***, Lea Marcotulli, Yale University, KT 205.
- 3:30 pm **Leigh Page Prize Lecture: *Topology of the Fermi Sea***, Charles Kane, University of Pennsylvania, SPL 59 + [zoom](#) (password: 595687). Host: Meng Cheng.
- 4:00 pm - **Yale Quantum Institute Event: *Launch of "ThaumCATrope" an art & quantum science app***, Floria Carle, Yale University and Marth W. Lewis, artist in residence), Bass Library. Bring your laptop, tablet, or smartphone to play, or use one of the computers/tablets provided for the event.
- 6:00 pm

## Friday, April 26

- 11:00 am **Elusives Journal Club: *Topics in Modern Physics***, Thomas Penny, Yale University, WLC 245. Hosts: Xiran Bai and Eleanor Graham.
- 11:00 am **QBio / PEB Seminar: *Collective functionalities emerging in microbial active matter***, Arnold Mathijssen, University of Pennsylvania, YSB 352. Host: Jing Yan.
- 1:00 pm **History and Foundations of Physics (HoFoP) Reading Group: *Terry Lectureship Lunch***, Lorraine Daston, Max Planck Institute for the History of Science, Linsly-Chittenden Hall, 210. [RSVP for lunch](#).

## Saturday, April 27

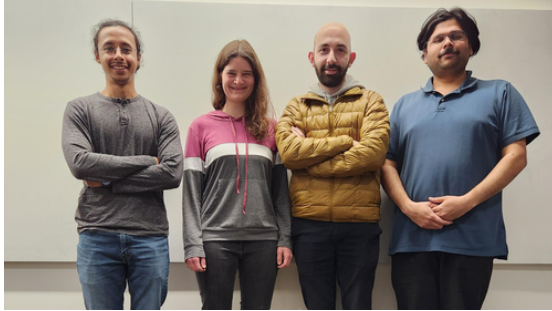
- 9:00 am - **Wright Lab Event: *Visualize Science 2024***, Third annual competition for teams of artists and scientists to collaborate and create a conceptual model of a scientific concept. Center for Collaborative Arts and Media, 149 York Street. [Register for logistical planning](#); walk-ins also welcome.
- 12:30 pm

[More events](#)

## News Highlights



**Grant Schumacher successfully defends thesis, “Stability of a Three-Component Fermi Gas”**



**Yale Physics Postdoctoral Advisory Committee holds town hall**



**Society of Physics Students hosts regional meeting**



**Award-winning author Richard Rhodes visits Yale for keynote talk on “The Rise of Malignant Deterrence”**

[Read more department news here](#)

## Community

### Climate and Diversity Committee News

#### Yale Pride Celebrations

Yale honors Lesbian, Gay, Bisexual, Transgender, Queer (LGBTQ+) communities with Pride celebrations starting in April (to include our student community) and continuing through June. Check out [Belonging at Yale's guide to events and other resources](#).

*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).

## Outreach



### 2024 Yale Physics Olympics

On March 30, 2024, twenty teams of high school students from fifteen different schools from around Connecticut competed in the 24th annual Yale Physics Olympics.

## Opportunities

### Faculty Opportunities

[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 Fellowship in Experimental Triple-Hybrid Material](#) - Niels Bohr Institute (deadline **April 30, 2024**)

[Postdoctoral Fellowship in Experimental Josephson Matter](#) - Niels Bohr Institute (deadline **April 30, 2024**)

[Open postdoc position in quantum technology development](#) - Niels Bohr Institute (deadline **April 30, 2024**)

[NRC Research Associateship Programs](#) - National Academies of Sciences, Engineering, and Medicine (applications open March 1, 2024, deadline **May 1, 2024**)

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

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

[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**.

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



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