

Yale Physics



Week of February 25-March 2, 2024

Events

Monday, February 26

3:30 pm **Physics Club:** *Language Models for Quantum Simulation*, Roger Melko, University of Waterloo and Perimeter Institute, SPL 57 + zoom (Password: 595687). Host: Meng Cheng.

Tuesday, February 27

12:15 pm **Yale Library Workshop:** *Bib Your TeX: Citation Tools for LaTeX and Overleaf Users*, Kayleigh Bohemier, Yale University, Online event. Register for link.

4:00 pm **Particle Theory Seminar:** *Non-relativistic conformal field theories and Unnuclear physics*, Subham Dutta Chowdhury, University of Chicago, SPL 51. Hosts: Bianka Mecaj, Petar Tadic, and Murat Kologlu.

4:00 pm **Department of Mathematics Colloquium:** *Title to be announced*, Michael Magee, Durham University and Institute for Advanced Study, KT 219.

Wednesday, February 28

9:00 am - 5:00 pm **32nd CMOC Symposium:** *Nanoelectronics, Nanophotonics, Quantum Computing, and Emerging Technologies*, The format of the Symposium will be VIRTUAL (Webex platform) for oral presentations and poster contributions.

Thursday, February 29

1:00 pm **Condensed Matter Theory Seminar:** *Replica topological order in quantum mixed states and quantum error correction*, Roger Mong, University of Pittsburgh, SPL 51.

1:00 pm **NPA Seminar:** *The New Era of Precision Neutrino Physics*, Bryan Ramson, Fermilab, WL 216. Host: Isaac Mooney.

2:30 pm **Yale Astronomy Colloquium:** *Title to be announced*, Katey Alatalo, STScl, KT 205.

7:00 pm **Kimball Smith Series:** *The Science and Ethics of Autonomous Warfare*, HRCH 103. Join the Kimball Smith Series for a moderated panel and subsequent small

group discussions on the topic of autonomy and artificial intelligence in warfare.

Friday, March 1

- 11:00 am **Elusives Journal Club:** *Current research article*, Jorge Torres, Yale University, WLC 245. Hosts: Xiran Bai and Eleanor Graham.
- 12:00 pm **PEB Spring Career Series:** *Exploring Careers Outside of Academia*, Dr. Alice Zhou, CitiBank; Dr. Mary Lou Bailey, Double Helix Optics; and Dr. Josie Bircher, Air Protein. zoom. [Register for link](#).
- 12:00 pm **Yale Library Workshop:** *Overleaf, GitHub, Zotero: Syncing Your Bibliography*, Kayleigh Bohemier, Yale University, Online Workshop. [Register for link](#).
- 3:30 pm **Undergraduate Event:** *Physics Major Information Session*, Sarah Demers, Yale University, SPL 3rd Floor Lounge. [Register here](#).
- 4:00 pm **Yale Library Workshop:** *Literature Review Strategies for Scientists*, Kayleigh Bohemier, Yale University, Online Workshop. [Register for link](#).

[More events](#)

News



Alumni Spotlight: Edward Alexander Bouchet

Yale Physics recognizes alumnus Edward Alexander Bouchet, a physicist and educator, for his career in teaching physics and devotion to science education.



Yale Undergraduate Quantum Computing (YUQC): iQuHack at MIT

Yale Undergraduate Quantum Computing (YUQC) organized a trip consisting of about 25 students to MIT's annual quantum hackathon: iQuHACK.



New Superconducting Device could Boost Quantum Tech

A team of researchers led by Prof. Hong Tang developed and successfully demonstrated a device that presents a viable solution in transferring a very weak signal from a computing device stored at cryogenic temperatures to room temperature electronics to achieve a fast data transfer with very low energy consumption.

More news

Community



Graduate Women in Physics+ changes name!

February 2024 WiP+ became GRiP (Gender Representation in Physics). Same organization new name!



GRiP and WiP celebrate Valentines' day

In celebration of International Day of Women and Girls in Science, graduate and undergraduate students from GRiP (Gender Representation in Physics) and WiP+ (Women in Physics +) gathered for a unique Valentine's Day event to craft odes to the female mathematicians and scientists who've paved the way in their fields.

Climate and Diversity Committee News

United Way: Read Across America 2024

We need you! Be a part of United Way of Greater New Haven's annual Read Across America event and share the joy of reading with kids in our community. From March 4th to March 15th, English and Spanish-speaking volunteers will read to students in grades pre-K through fourth grade at schools in Branford, Hamden, New Haven, North Haven, Orange, and West Haven. You can be a part of promoting literacy and fostering a love for reading among our community's young learners! [Sign up today!](#)

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).

Outreach



Yale Physics Olympics 2024

The Yale Physics Olympics (YPO) is an all-day physics competition for New Haven, and Connecticut located high school students and teachers and is free for registered teams. YPO brings more than 100 high school students to compete in teams on a variety of physics-related tasks that get students to practice the skills of experimental physicists. Medals and awards are given to the three best-performing teams. There are also prizes for teams with the best performance in specific events. Participation requires 4 enrolled high school students and a coach/chaperone who must also attend. [Sign up here.](#)

COVID-19 Update

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

Opportunities

Faculty Opportunities

[Assistant Professor, Condensed Matter and Materials Theory](#) - University of California, Santa Cruz (anticipated start July 1, 2024; deadline **June 30, 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 Fellowships in Physics and Astronomy](#) - Johns Hopkins University (deadline **February 29, 2024**)

[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

[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))

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

Undergraduate Student Opportunities

[Physics Research Positions for Undergraduate Physics Majors](#) - University of Notre Dame (deadline **February 19, 2024**)

[REU Interactions of Matter, Light & Learning](#) - Kansas State Physics (application review begins **February 19, 2024 until all places are filled**)

[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

[American Physical Society Webinars](#) - Student Success, PULSE Undergraduate Research Webinar: Effectively Communicating your Findings, February 28, 2024 @ 10:00 a.m. ET.

[American Physical Society March Meeting 2024](#), March 3-8, 2024 - Minneapolis, MN. In-person and virtual. Regular registration through **February 20, 2024**).

[American Physical Society April Meeting 2024](#), April 3-6, 2024 - Sacramento, CA. Early Bird registration open until **February 20, 2024**.

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

[Annual meeting of the Physics of Living Systems \(PoLS\) Student Research Network](#), June 3-7 2024 - Trieste, Italy. Application deadline **February 20, 2024**.

[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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