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Yale Physics



Week of January 28-February 3

Events

Monday, January 29

- 3:30 pm **Physics Club:** *On Ising's Model of Ferromagnetism*, Peter Armitage, Johns Hopkins University, SPL 57 + zoom Passcode: 595687. Host: Eduardo Higino da Silva Neto.
- 4:00 pm **2024 Robert H. Crabtree Lecture:** *21st Century Alchemy: Making Copper Look Like a Noble Metal*, Mark E. Thompson, University of Southern California, SCL 160 & Livestream.

Tuesday, January 30

- 10:00 am **Physics Dissertation Defense:** *Search for Time-Reversal-Symmetry Violation in Thallium Fluoride Using a Cryogenic Buffer-Gas Beam Source*, Jakob Kastelic, Yale University, WL 216 + zoom. Thesis advisor: Steve Lamoreaux.
- 3:00 pm **Wright Lab Event:** *EHS Orientation for WL Shops*, John Campbell, Environmental Health and Safety, Yale University, WL 216. [Register here](#).
- 4:00 pm **Particle Theory Seminar:** *Bootstrapping String Theory EFT*, Li-Yuan Chiang, Yale University, SPL 48.

Wednesday, January 31

- 4:00 pm **Earth & Planetary Science Colloquium:** *Title - To Be Announced*, Ryan Venturelli, Colorado School of Mines, KGL 123.

Thursday, February 1

- 11:00 am **Atomic Physics Seminar:** *Enhancing Spin-Optical Interfaces in Molecular Qubits*, Pratiti Deb, University of Chicago, SPL 51. Host: Jack Harris.
- 1:00 pm **Condensed Matter Theory Seminar:** *Boundary and plane defect criticality in the 3d $O(N)$ model*, Max Metlitski, MIT, SPL 51.
- 2:30 pm **Yale Astronomy Colloquium:** *Title - To Be Announced*, Dong Lai, Cornell University, KT 205.

Friday, February 2

11:00 am **Elusives Journal Club:** *Non-Virialized Axion Search Sensitive to Doppler Effects in the Milky Way Halo*, Michaela Guzzetti, University of Washington and Cole Man, PNNL, WLC 245. Contact: Xiran Bai and Eleanor Graham. Reading.

[More events](#)

News



Devoret and Schoelkopf win the Comstock Prize in Physics

The National Academy of Sciences has awarded the Comstock Prize in Physics to Michel Devoret and Robert Schoelkopf, who both have secondary faculty appointments in the Physics department, for their groundbreaking work in quantum information processing and related fields."

[More news](#)

Community

Climate and Diversity Committee News

The AIP Statistical Research Center periodically publishes printable Physics Trends Flyers. You can access them all [here](#).

The most recently posted flyers highlight:

1. Initial post-degree outcomes for new physics PhDs
2. Fields of employment for new physics bachelors who enter the workforce
3. Starting salary ranges for new physics bachelors by sector of employment

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).

Undergraduate Events



Newly updated lounge!

WiP+ and SPS hosted a blue booking session on Wednesday, January 17, 2024, in the SPL undergraduate lounge to help students plan out their course schedules for the semester. The lounge was officially declared open by Karsten Heeger and Sarah Demers. Sarah commented, "YAY!!!! Looks great!". [Photos here.](#)

COVID-19 Update

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

Opportunities

Faculty Opportunities

[Faculty Position: Research Assistant, Associate, or Full Professor - CENPA - University of Washington, Seattle \(deadline **February 16, 2024**\).](#)

[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 Position in Direct Dark Matter Detection - South Dakota Mines \(application deadline **January 31, 2024**\).](#)

[Postdoctoral Fellowships in Physics and Astronomy - Johns Hopkins University \(deadline **February 29, 2024**\)](#)

[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](#)

[Postdoctoral Research Position in Experimental Neutrino Physics - University of Pittsburgh](#)

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

[Perimeter Scholars International - Perimeter Institute for Theoretical Physics \(deadline **February 1, 2024**\)](#)

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

Undergraduate Student Opportunities

[Research Experience for Undergraduates](#) - The Center for Neutrino Physics, Virginia Tech (application deadline **February 15, 2024**)

[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)

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

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

Meetings, Schools, Workshops, and Conferences

[American Physical Society Webinars](#) - Student Success, PULSE Undergraduate Research Webinar: Selecting Good Mentors, January 31, 2024 @ 10:00 a.m. ET.

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

[Gordon Research Seminar](#): The Bounds of Mechanical Systems From Probes of New Physics to Hardware for Quantum Technologies, March 2-3, 2024 - Ventura, CA. Applications for this meeting must be submitted by **February 3, 2024**.

[Gordon Research Conference](#): Mechanical Systems in the Quantum Regime, March 3-8, 2024 - Ventura, CA. Applications for this meeting must be submitted by **February 4, 2024**.

[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**.

[American Physical Society 55th Annual Meeting of the APS Division of Atomic, Molecular and Optical Physics](#), June 3-7, 2024 - Fort Worth, TX. Abstract submission open through **February 2, 2024**.

[MCQST Summer Bachelor Program](#), August 3-30, 2024 - Munich, Germany. Application deadline **January 31, 2024**.

2024 Fall Meeting of the APS Division of Nuclear Physics, October 6-10, 2024 - Boston, MA.



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For further information email [Daphne Klemme](#). Please click on the links to [contribute to the newsletter](#) or [update alumni information](#).

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