

Yale Physics



Week of March 31-April 6

Events

Monday, April 1

- 10:20 am **Applied Physics Seminar:** *Heterostructure Engineering in Hybrid Organic - Inorganic Semiconductors*, Mingyang Wei, Ecole Polytechnique Federale de Lausanne (EPFL), DL 220 + zoom (password: 735286). Host: Sohrab Ismail-Beigi.
- 3:30 pm **Physics Club:** *Title to be announced*, Tatyana Sharpee, Salk Institute, SPL 57 + zoom (password 595687). Host: Ben Machta.
- 4:00 pm **Yale School of Engineering Talk:** *RF-Visual Perception with Applications to Mobile Sensing, Robotics, & Augmented Reality*, Tara Boroushaki, MIT, ML 107 + zoom.

Tuesday, April 2

- 10:30 am **WIDG Seminar:** *Strangeness Production in O+O at 200 GeV*, Iris Ponce, Yale University, WL 216. Host: Youqi Song.
- 1:30 pm **Cosmology Seminar:** *Towards an Optimal Cosmological Detection of Neutrino Mass with Field-Level Inference*, Adrian Bayer, Princeton University and Simons Foundation, KT 401. Host: Xinyi Chen.
- 4:00 pm **Particle Theory Seminar:** *The Classical Equations of Motion of Quantized Gauge Theories*, Surjeet Rajendran, Johns Hopkins University, SPL 51.

Wednesday, April 3

- 1:00 pm **Special Solid State & Optics Seminar:** *Witnessing Many-body Quantum Entanglement with Neutron Scattering*, Allen Scheie, Los Alamos National Laboratory, ML 107 + zoom (password: 020243). Host: Yu He.
- 1:15 pm **Molecular, Cellular and Developmental Biology Seminar:** *Regulating epithelial identity in hepatobiliary development and metaplasia*, Adam Gracz, Emory University, Location TBD. Host: Valerie Horsley.
- 2:30 pm **Mechanical Engineering & Materials Science Seminar:** *Driving Particles and Fluids Using Chemical Fluxes*, Todd Squires, University of California, Santa

Barbara, ML 107. Host: Amir Pahlavan.

Thursday, April 4

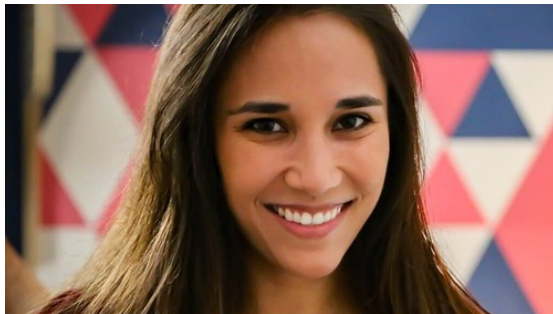
- 1:00 pm **Condensed Matter Theory Seminar:** *Symmetry-protected topological mixes states as non-equilibrium steady states*, Cheng-Ju Lin, University of Maryland, SPL 51.
- 1:00 pm **Nuclear Particle Astrophysics (NPA) Seminar:** *Cosmology from the fine details of the microwave sky with the Atacama Cosmology Telescope and the Simons Observatory*, Adriaan Duivenvoorden, Flatiron Institute, WL 216. Host: Max Silva-Feaver.
- 2:30 pm **Yale Astronomy Colloquium:** *Title to be announced*, Karin Oberg, Harvard University, KT 205.
- 4:00 pm **2024 In-Person Graduate Open House:** *Agenda*, Optional events.
- 6:30 pm **The Franke Program in Science and the Humanities. In Conversation With Christian Cooper:** *Observing the Observer*, Christian Cooper in conversation with Robert Lamothe, SSSH. [Register in advance](#).

Friday, April 5

- 7:45 am **2024 In-Person Graduate Open House:** *Agenda*.
- 4:00 pm **Department of Chemistry. Silliman Physical Chemistry Seminar:** *Building Physics-Based and Data-Driven Methods for Efficient Polymer Design and Spectroscopy Simulations*, Daniel Tabor, Texas A&M University, SCL 160.

[More events](#)

News



Alumni Spotlight on Emma Ideal

Yale Physics alum Dr. Emma Ideal is a Data Science & Engineering leader at Netflix based in Los Angeles, CA. She graduated from Yale in 2015; her thesis was on “A Search for the Standard Model Higgs Boson Produced in Association with a Vector Boson and Decaying to a Hadronically-Decaying Tau Pair at ATLAS” (advisor Sarah Demers).



Ahn receives a 2024 Roberts Innovation Fund Award

Charles Ahn along with Fred Walker and Kidae Shin, graduate student in Physics, has received one of ten awards from the Roberts Innovation Fund which will help support his research.

[More news](#)

Community

Climate and Diversity Committee News

Sustainability at Yale

A sustainable campus depends on the people who live and work here. While we strive to improve our infrastructure and build systems that make sustainability second nature, individual behaviors have a huge impact on our overall success.

The decisions you make daily can help us reach our sustainability goals. [Check out our website](#) to find ways you can take action and make a difference. Try something new and spread the word. Make your life simpler and more efficient. Join the effort. We all have a part to play in building a more sustainable world..

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).

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

[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

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**.

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



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