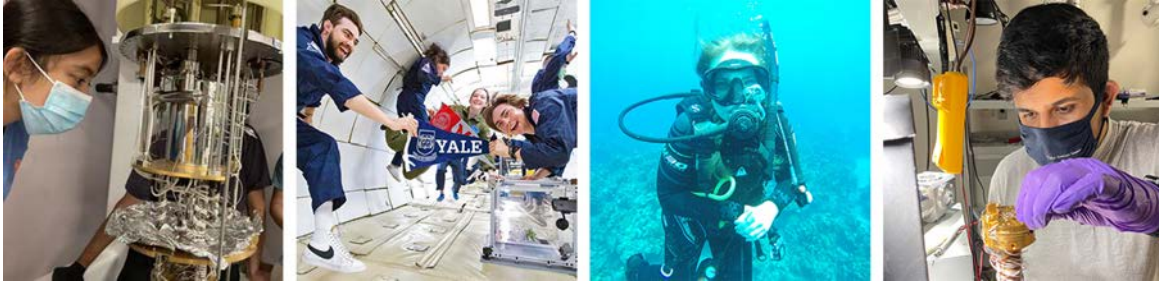


To view this email as a web page, go [here](#).

Yale Physics



Friday, April 21, 2023

Events

Monday, April 24

- 3:30 pm **Physics Club:** *Quantum Many-body theory in the Quantum Information era*, Matthew Fisher, University of California, Santa Barbara, SPL 57. Host: Ian Moulton.
- 4:00 pm **Molecular Biophysics & Biochemistry Seminar:** *Structure and Function of the HIV-1 Capsid*, Wes Sundquist, University of Utah School of Medicine, Bass 305. Host: Yong Xiong.

Tuesday, April 25

- 10:00 am **Physics & QBio Special Seminar:** *Quantum Processing in the Brain?*, Matthew Fisher, University of California, Santa Barbara, Bass 405. Host: Ben Machta.
- 11:00 am **Yale Quantum Institute / Electrical Engineering Talk:** *Making hot atoms interact*, Robert Loew, University of Stuttgart, YQI Seminar room + zoom.
- 12:00 pm **WIDG Seminar:** *N-point energy correlator measurements in p-p at ALICE*, Ananya Rai, Yale University, WL 216.
- 5:30 pm **History & Foundations of Physics Meeting 2.3:** *How Dark Matter came to Matter: A discussion with* Jaco De Swart, MIT, 46 Hillhouse, rm. 104. Host: History & Foundations of Physics.

Wednesday, April 26

- 12:00 pm **Yale School of Medicine Center for Systems and Engineering Immunology Chalk Talk:** *Conflicts and synergies between phenotypic diversity and collective cell behavior*, Thierry Emonet, Yale University, HOPE 103. Host: John Tsang.
- 1:00 pm **Solid State & Optics Seminar:** *When Superconductivity Crosses Over: From BCS to BEC*, Kathy Levin, University of Chicago, ML 107 + zoom (password: 388823). Host: Yu He.

- 4:00 pm **Molecular, Cellular and Developmental Biology Seminar:** *Understanding transcription control through the lens of AUXIN RESPONSE FACTORs*, Lucia Strader, Duke University, Location TBD.
- 4:00 pm **The Frank Program in Science and the Humanities:** *We Carry Our World Within Us: Cellular Structures That Allow Us To Live in A Hostile Environment*, Michael J. Caplan, Yale School of Medicine, HQ L01.
- 4:15 pm **Department of Mathematics Colloquium:** *Title - To Be Announced*, Melanie Matchett Wood, Harvard University, Location TBD.
- 6:00 pm **Wu Tsai Institute:** *2nd Annual Sips & Science*, presented by the Wu Tsai Institute Student-Postdoc Committee @ Bar. [Click here to sign up.](#)

Thursday, April 27

- 1:00 pm **NPA Seminar:** *Quantum technologies for neutrino measurements*, Wouter van de Pontseele, MIT, WL 216.
- 1:00 pm **Condensed Matter Theory Seminar:** *Linear and Nonlinear Magnetotransport on a Quantum Spin Hall Edge*, Dmytro Pesin, University of Virginia, Charlottesville, SPL 51. Hosts: Meng Cheng & Tyler Ellison.
- 2:30 pm **Yale Astronomy Colloquium:** *Revisiting the Core Accretion Paradigm for Giant Planet Formation: Analytic Framework for the Late Infall Stage and the Distribution of Planetary Masses*, Fred Adams, University of Michigan, WTS A-51.

Friday, April 28

- 4:00 pm **Howard L. Schultz, Sr. Prize Lecture:** *Scanning the Sky for Dark Matter: New Windows on Astroparticle Interactions*, Kerstin Perez, Columbia University, SPL 59. Host: The Yale Society of Physics Students.

[More events](#)

News



Leonid Glazman



Priya Natarajan

Congratulations Leonid Glazman & Priya Natarajan

Leonid Glazman and Priya Natarajan were among nine Yale faculty members elected to the American Academy of Arts and Sciences.



Lauren Saunders



Sohan Vartak

Congratulations Lauren Saunders & Sohan Vartak

Lauren Saunders, graduate student with Laura Newburgh and a member of Yale's Wright Lab, and Sohan Vartak, graduate student with Yoram Alhassid, are winners of the Leigh Page Award for Excellence in Graduate Student Teaching.



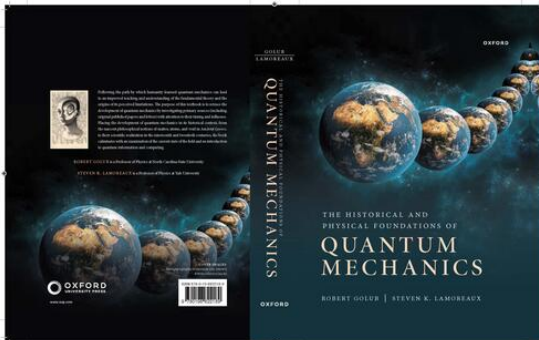
Congratulations Barkotel Zemenu

Barkotel Zemenu, YC'24 Physics - Intensive major and a member of the David Moore group in Wright Lab, won a top presenter award for presenting his research at the American Physical Society April Meeting which was held in Minneapolis, MN April 15-18, 2023.



2023 Open House for Prospective Graduate Students a Success

Yale Physics held an open house for prospective graduate students from March 30-31, 2023. A record number of applications were submitted to Yale Physics this year, and after selection by the admissions committee, 53 prospective students from around the country and the world visited Yale Physics in person.



Golub & Lamoreaux Book published

Just published by Oxford University Press, The Historical and Physical Foundations of Quantum Mechanics, by Robert Golub (North Carolina State University) and Steve Lamoreaux (Yale University).

[More news](#)

Community



Chemistry Stockroom Closure

The stockroom will be closed for the annual physical inventory from Tue, Apr. 25 – Thu, Apr. 27, reopening on Friday morning. Please plan accordingly and shop this week and Monday. They will, at minimum, approve Workday requisitions and process receiving of individual orders. You may pick up orders each afternoon after 2:00 pm.

They ask for your patience as staff have many tasks to complete and will take time to respond to inquiries.

Climate and Diversity Committee News

Producing Clean Water

For Earth Day, Professor Menachem Elimelech and President Peter Salovey discuss the development of technologies that make sea and municipal wastewater potable. [Click here to access the podcast.](#)

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

Departmental Outreach



On April 20th, Yale Physics (with support from Yale Programs for Children and Youth) welcomed young scholars from [Hillhouse High School](#) to participate in a hands-on physics demonstration show. The students applied concepts from their coursework to explain and calculate various phenomena in classical mechanics. James Hillhouse High School is New Haven's oldest public high school, established in 1859.

COVID-19 update

Yale COVID-19 Information - [click here](#) for updated information.

Opportunities

Faculty Positions

[Asst./Assoc./Full Professor in Experimental Quantum Science](#) - Yale University

[Associate/Full Professor, Experimental Atomic, Molecular, and Optical Physics](#) - Yale University

[Assistant Professor in Biological Physics](#) - Yale University

[Assistant Professor in Experimental Nuclear Physics](#) - Yale University

[Assistant Professor in Astrophysics & Cosmology](#) - Yale University

[Assistant Professor, Applied Physics \(Quantum Information Theory\)](#) - Yale University

[Assistant Professor, Applied Physics \(Experimental Condensed Matter Physics/Materials Science\)](#) - Yale University

[Faculty and Associate Faculty Positions](#) - Perimeter Institute

[Associate Professor Position in Particle Astrophysics, Cosmology, and Gravitational Waves](#) - University of California, Riverside (application open through **June 30, 2023**, anticipated start date of July 1, 2023)

[Assistant Professor Position in Experimental Quantum Information Science](#) - NYU (anticipated start date of **Sept. 1, 2023**)

Research Scientist Positions

[Research Scientists \(CHORD radio telescope\) 5 Year Term](#) - Perimeter Institute

Postdoctoral Positions

[Postdoctoral Associate Position in Theoretical Physics](#) - Yale University

Graduate Student and Postdoc Research

[Dudley Observatory Astronomer](#) - Siena College

[Positions for postdocs and graduate students affected by the war in Ukraine](#) - Perimeter Institute

[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))

Undergraduate Research

Research Assistant - Yale School of Medicine (contact [Navin Kumar](#) for further information)

- Research Assistant – Harm Reduction (send CV to Keyu Chen keyuchen2020@gmail.com)
- Research Assistant – Data Analysis & Harm Reduction (send CV to Keyu Chen keyuchen2020@gmail.com)

[Physics REU: Interactions of Matter, Light & Learning](#) - Kansas State University (applications open December 2022, program dates May 29-August 4, 2023)

Meetings, Schools, Workshops, and Conferences

[Black in Physics Career Development: Session 1](#). Tenure & Time Management, April 27, 2023.

[Responsible AI In the Natural Sciences: a mini workshop](#), May 8, 2023 - Carnegie Mellon University. *Note: Savannah Thais is an invited speaker.*

[3rd Biennial NSF/GPAP Summer School on Plasma Physics for Astrophysicists](#), May 29-June 2, 2023 - Swarthmore College

[Summer School in Statistics for Astronomers XVIII](#), June 5-9, 2023 - Penn State (deadline **May 5, 2023**)

[Conference: Statistical Challenges in Modern Astronomy VIII](#), June 12-16, 2023 - Penn State (registration deadline **May 5, 2023**)

[Black in Physics Career Development: Session 2](#). Every Semester Needs a Plan, June 22, 2023.

[STAQ Quantum Ideas Summer School](#), June 9-23, 2023 - Duke University

[The 3rd Condensed Matter Summer School, "Dynamics and Quantum Information in Many-body Systems"](#), June 12-21, 2023 - University of Minnesota-William I. Fine Theoretical Physics Institute. *Note: Michel Devoret is one of the speakers.*

[Boulder School for Condensed Matter and Materials Physics, "Non-Equilibrium Quantum Physics"](#), July 3-28, 2023 - University of Colorado, Boulder. *Note: Steve Girvin is one of the lecturers.*

[Advanced Cyberinfrastructure Training for Modeling Physical Systems](#), June 14-July 7, 2023; Bootcamp June 14-16, 2023 - Rensselaer Summer Program (deadline **May 1, 2023**)

[Physics of Life - CPBF Summer School](#), June 19-30, 2023 - Princeton University

[2023 Summer School](#), June 25-July 15, 2023 - Wolfram (must be 18 or older by June 24, 2023 to apply)

[2023 SLAC Summer Institute](#) (SSI 2023), August 7-18, 2023 - Stanford University

[2023 Dunlap Institute Summer School - Introduction to Astronomical Instrumentation](#), August 8-11, 2023 - University of Toronto

[XVIII International Conference on Topics in Astroparticle and Underground Physics 2023](#), August 28-September 1, 2023 - University of Vienna, [conference fees and registration](#) (early fee deadline **July 1, 2023**; full fee deadline **August 15, 2023**). *Note: David Moore is an invited speaker.*

[EXCESS23@TAUP](#), August 26, 2023 - University of Vienna

[Young Astronomers on Galactic Nuclei](#) - Istituto di Astrofisica Spaziale e Fisica Cosmica, October 18-20, 2023, [apply here](#) (application deadline **May 31, 2023**)

Grants, Fellowships and Scholarships

Graduate

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

[PhD Fellowship in Experimental Quantum Matter](#) - Center for Quantum Devices (QDev) @ Niels Bohr Institute (deadline **May 7, 2023** with expected start date of September 1, 2023)



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For further information, or to contribute to the newsletter, please send email to [Daphne Klemme](#). Alumni can add/update their information by [clicking here](#).

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