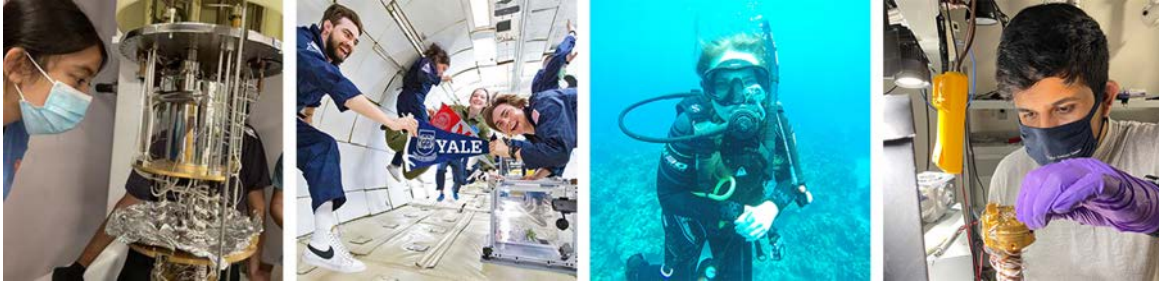


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# Yale Physics



**Friday, April 14, 2023**

## Events

**Sunday, April 16**

4:00 pm **Yale Undergraduate Quantum Computer Club Talk:** *Hybrid Bosonic-Qubit Systems for Quantum Computation*, Kevin Smith, Yale Quantum Institute, YQI Seminar room.

**Monday, April 17**

3:30 pm **Physics Club:** *The Muon g-2 experiment at Fermilab*, Robert Carey, Boston University, SPL 57. Host: Ian Moul. Coffee and slight snacks will be served before the talk.

**Tuesday, April 18**

12:00 pm **WIDG Seminar:** *Measurement of Two-Point Energy Correlators within Jets in  $p+p$  Collisions at STAR*, Andrew Tamis, Yale University, WL 216.

4:00 pm **High Energy Particle Theory Seminar:** *Differential Equations for Cosmological Correlators*, Austin Joyce, University of Chicago, SPL 51. Host: Yuan Xin.

**Wednesday, April 19**

1:00 pm **NPA Seminar:** *A New Bound on the Electron's Electric Dipole Moment*, Trevor Wright, University of Colorado, Boulder, WL 216.

4:00 pm **Molecular, Cellular and Developmental Biology Seminar:** *In Situ Cell-Surface Proteomics: Method Development and Applications*, Jiefu Li, Janelia/HHMI, Bass 305.

4:00 pm **Earth & Planetary Science Colloquium:** *Title - To Be Announced*, Thomas Kruijer, LLNL, KGL 123.

4:15 pm **Department of Mathematics Colloquium:** *Title - To Be Announced*, Jacob Bernstein, Johns Hopkins University, LOM 214.

**Thursday, April 20**

- 1:00 pm **NPA Seminar:** *ALICE 3 - A new horizon for QCD*, Anthony Timmins, University of Houston, WL 216.
- 1:00 pm **Condensed Matter Theory Seminar:** *Observer Driven Phase Transitions*, Jed Pixley, Rutgers University, SPL 51. Host: Meng Cheng.
- 2:30 pm **Yale Astronomy Colloquium:** *Baryon Cycles in the Biggest Galaxies*, Mark Voit, Michigan State University, WTS A-51.
- 4:15 pm **1st Annual Genomics & Society Seminar:** *A Conversation with*, Keolu Fox, National Geographic Explorer, Yale Medical Historical Library (333 Cedar Avenue).

## Friday, April 21

- 11:00 am **Wright Lab - Elusives Journal Club:** *Earth tomography with supernova neutrinos at future neutrino detectors*, Jorge Torres, Yale University, WLC 245. [Click here for article.](#)
- 12:00 pm **Yale Quantum Institute Colloquium:** *Quantum information technology at the interface with gravity*, Igor Pikovski, Stevens Institute of Technology, YQI Seminar room + [zoom](#).

## Save the dates!

- April 24 Yale Bulldog Days (April 24-26)
- April 28 Reading Period Starts (April 28-May 3) and the Howard L. Schultz Sr. Prize Lecture
- May 1 Undergraduate Research Presentations (May 1-3)
- May 4 Final examinations start (May 4-10)
- May 21 Graduate School Convocation
- May 22 Yale Commencement

[More events](#)

## News



### Congratulations Dr. Erramilli!

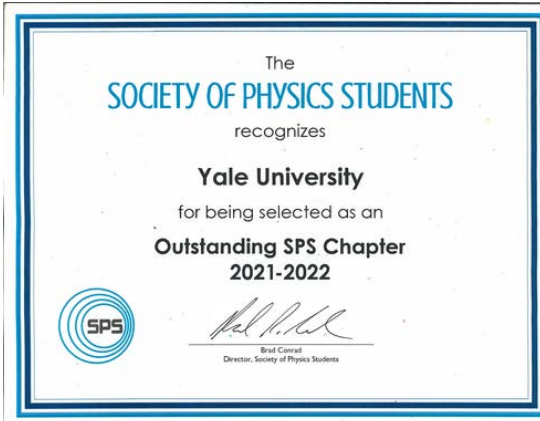
On April 3, 2023, Rajeev Erramilli successfully defended the thesis “Bootstrapping Fermionic Conformal Field Theories” (advisor: David Poland).

In the Fall Dr. Erramilli will be starting a postdoctoral position at L’Institut des Hautes Études Scientifiques (IHÉS) in France.



## Yale Physics at Hard Probes International Conference and DIS 23

Several members Yale Relativistic Heavy Ion group (RHIG) attended Hard Probes 2023 in Aschaffenburg, Germany and DIS 23 at Michigan State University.



## Yale Society of Physics Students recognized as an Outstanding SPS Chapter

For the third year in a row, The Yale University chapter of the Society of Physics Students (SPS) has won an Outstanding Chapter Award from the SPS National Office. The SPS chapter at Yale University is advised by the Director of Undergraduate Studies and is led by student officers. Congratulations!



## Congratulations Dr. Yoon

On April 10, 2023, Taekwan Yoon successfully defended the thesis “Piezo-Brillouin electro-optomechanics with high-overtone bulk acoustic resonators” (advisor: Rob Schoelkopf). Dr. Yoon will be working for Zurich Instruments after graduation.

[More news](#)

# Community

## Climate and Diversity Committee News

**Celebrate Earth Week @ Yale.** Join an Earth Week event at Yale and recommit to working for a sustainable future. [Click here for events and further information.](#)

*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)*

## Outreach



## Open Labs and Frontiers for Young Minds

What would change about your journal article if you wrote it for young readers? Students of ages of 8-15 review the journal article submissions for *Frontiers for Young Minds*. Open Labs recently helped to host a review session for this journal with local New Haven students.

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