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Yale Physics



Weeks of January 12-18, 2025

Events

Monday, January 13

- 8:20 am **Spring term classes start**
- 10:00 am **YQI Talk:** *Quantum adiabatic optimization with Rydberg arrays: localization phenomena and encoding strategies*, Roberto Tricarico, IQOQI, Innsbruck, YQI Seminar Room + zoom.

Wednesday, January 15

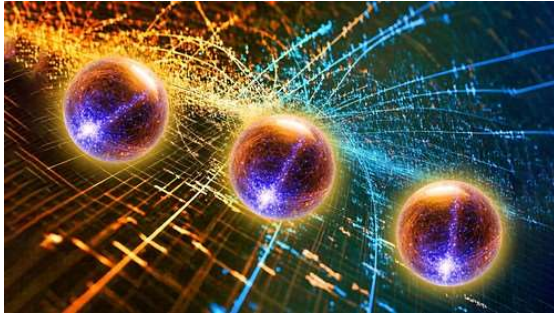
- 1:00 pm **Solid State & Optics Seminar:** *Terahertz field induced metastable magnetization in a van der Waals antiferromagnet*, Nuh Gedik, MIT, ML 107. Host: John Sous.
- 4:00 pm **The Franke Program in Science and the Humanities talk:** *The Mind of a Fly*, Sebastian Seung, Princeton Neuroscience Institute, HQ L01.
- 5:30 pm **YQI Exhibition Opening:** *The Quantum Revolution: Handcrafted in New Haven*, North Carolina Agricultural & Technical State University Gallery (Dudley Building, Greensboro). [Further information](#).

Thursday, January 16

- 1:00 pm **NPA Seminar:** *The Electron-Ion Collider as a Potential Pentaquark Factory*, Yongsun Kim, Sejong University, WL 216. Host: Zoltán Varga.

[More events](#)

News Highlights



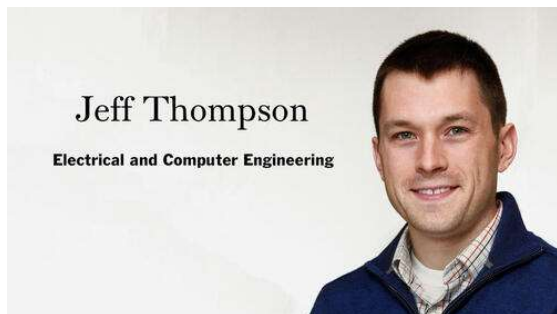
With NSF grant, Yale and industry team up to harness quantum's potential



To Discover New Materials, A New Way to Calculate Electron Structure



John Schotland named the Zhao and Ji Professor of Mathematics



Alumni Spotlight on Jeff Thompson

[Read more department news here](#)

Academic News



New Course: PHYS 399 History of Physics at Yale

Instructor: Eun-Joo Ahn, course meets on Mondays 9:25a-11:25a in WTS B39. This research seminar will examine the history of physics at Yale. Yale is one of the few places in the United States where the college has preceded the physics department for a substantial time, allowing us to explore the roots of physics in a college curriculum and the changes it underwent.

Community

Climate and Diversity Committee News

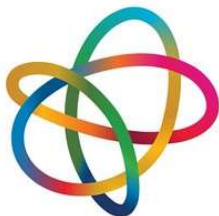
Each year, Yale University honors the life and work of Rev. Dr. Martin Luther King, Jr. with celebrations on campus and in the New Haven community. These commemorative events highlight Yale's and New Haven's spirit of service and provide an opportunity for education and unity in these challenging times. Please explore the [Annual Celebration of Dr. Martin Luther King, Jr. website for more information](#), and join us throughout January to honor the legacy of Rev. Dr. Martin Luther King, Jr.

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). Items not claimed by the end of the academic year will be donated to the Yale Community Kitchen.

Outreach



INTERNATIONAL YEAR OF
**Quantum Science
and Technology**

2025: the International Year of Quantum Science and Technology

This year-long, worldwide initiative will celebrate the contributions of quantum science to technological progress over the past century, raise global awareness of its importance to sustainable development in the 21st century, and ensure that all nations have access to quantum education and opportunities.

Opportunities

This list is supplied for informational purposes. Please check the job details carefully to make sure you meet all qualifications. **Boldfaced entries are at Yale University.**

Faculty

Associate or Full Professor, Experimental Atomic, Molecular, and Optical Physics - Yale Department of Physics. (deadline **November 1, 2024**, or until position is filled.)

Assistant Professor, Experimental High-Energy Particle Physics - Yale Department of Physics (deadline **December 1, 2024**, or until position is filled).

Physics - Assistant/Associate Professor - Hope College. (deadline **March 1, 2025**.)

Lecturer or Senior Lecturer - Yale Department of Physics. (deadline **June 12, 2025**)

Research Chair: Quantum Horizons Alberta - University of Lethbridge node - University of Lethbridge.

Assistant Professor in Experimental Soft/Living Matter Physics - University of Pennsylvania.

Research Staff

NRC Research Associateship Program - National Academies for Sciences, Engineering, Medicine (deadline **February 1, 2025**)

Postdoctoral

Postdoc Position in Theoretical Soft Condensed Matter and Computational Biophysics - UC Riverside

Experimental Postdoctoral Position in Electron-Positron Plasmas - UC Riverside

Graduate Student

Master Of Quantum Science and Technology - University of California, Los Angeles, Center for Quantum Science and Engineering (deadlines **January 15, 2025**, early decision and **March 1, 2025**, regular decision)

Rickover Fellowship Program in Nuclear Engineering - South Carolina Universities Research and Education foundation (deadline **January 31, 2025**)

The Department of the Air Force Science & Technology Fellowship Program

Undergraduate Student

Undergraduate Research - Yale School of Medicine

Conferences, Schools, and Workshops

AI Winter School 2025, virtually January 13-16, 2025 - Brown University, Center for Fundamental Physics of the Universe (**Please register to access all workshop materials and receive further updates**)

American Physical Society Conference for Women and Gender Minorities in Physics (CU*iP 2025) January 24-26, 2025 - University of Connecticut.



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