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# Yale Physics



## Week of August 26-September 2, 2023

### Events

#### Monday, August 28

12:30 pm **Yale College Academic Fair: *Incoming Yale College Students, Class of 2027!*** Schwarzman Center (YSC) and William L. Harkness Hall (WLH). All science program tables are located in YSC Main Floor - Commons back third.

#### Tuesday, August 29

11:00 am **Astronomy/Physics Combined Seminar: *New Views on the Distant Universe***, Meg Urry, Yale University, KT 509.

12:00 pm **Yale Quantum Institute Professional Development Seminar: *An editorial view on peer review in PRX and all the Physical Review journals***, Mauro Schiulaz, Physical Review Journals, YQI Seminar room.

#### Wednesday, August 30

All day **Fall-term classes begin, 8:20 am**

#### Thursday, August 31

7:30 pm **Yale Quantum Institute Event: *Beneath the Green, The Quantum – Campus Edition***, Artist Stewart Smith has designed a human-scaled light installation, in collaboration with Yale Quantum Institute researchers and students, that investigates the latest in quantum error correction research—an essential tool in the pursuit of fault-tolerant quantum computing. Luce Hall - Front Lawn.

#### Friday, September 1

All day **Friday classes do not meet; Monday classes meet instead**

### Save the date

#### Thursday, September 21

4:00 pm **Yale Quantum Institute Event: *From DOS to Qiskit - Model Research Collection Opening***, “From DOS to Qiskit: Turning Entanglement into Quantum

Computation” is the 2023-2024 Model Research Collection in Bass Library. Bass Library, Courtyard Level. Refreshments will be served.

[More events](#)

## News



### **Congratulations Dr. James Teoh!**

On Friday, August 4, James Teoh successfully defended the thesis “Error Detected Operations for Bosonic Quantum Information Processing” (advisor: Robert Schoelkopf).

## **Welcome to the Graduate Class of 2023!**

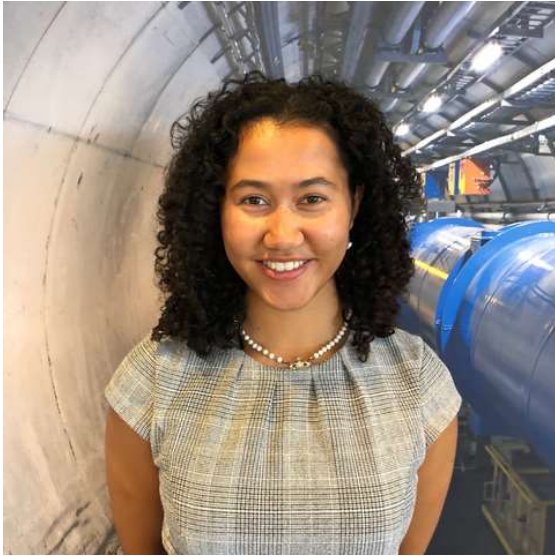
Starting with the August 4th issue of the departmental newsletter, we are featuring brief articles introducing the graduate class of 2023. Look for them in our buildings and let's make them feel welcome.



### **Colin Coane**

I am interested in theoretical nuclear physics, and more generally theoretical and computational methods for studying strongly-correlated many-body quantum systems.

I spend a lot of my free time reading, running, and playing bass guitar!



## Morgan Cole

I am very interested in astrophysics and cosmology, especially in experiment. I love anything that gets us a little bit closer to understanding the universe a little bit better.

I've biked around in CERN's underground tunnels. It was kind of scary, but really fun!



## Halona Dantes

I am interested in biophysics and chemical physics.

My hobbies include writing poetry and crocheting.



## Featured Courses

In anticipation of the start of the new academic year, we are featuring several new courses — some new additions, some old favorites revamped by new instructors, and some forgotten courses brought into the light.

[More news](#)

# Community

## Climate and Diversity Committee News

Community Doga returns on September 13! Feeling connected — to ourselves and others — is central to health and wellbeing. All members of the Yale community are invited to deepen their sense of wellness and belonging with a special “doga” yoga practice on Cross Campus,

featuring the calming presence of Heidi the Public Safety service dog, her partner Officer Simons, and canine friends. Stretch your body, breathe fresh air, and pet-itate. [Register in advance](#).

*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



### Pathways Summer Scholars explore the invisible universe

July 2023, members of the Wright Lab community taught three week-long workshops and two enrichment sessions for the 2023 Pathways Summer Scholars—a free two-week summer science program exclusively for over 100 high school students from the Yale Pathways to Science program.

## COVID-19 Update

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

# Opportunities

## Faculty Opportunities

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

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

[Assistant Professor position in the fields of Neutrino Physics, Particle Astrophysics, Cosmology and Gravitational Waves](#) - UC Riverside (deadline **November 19, 2023**)

[Tenure-track faculty position in Quantum Condensed Matter Theory](#) - Brown University (application deadline **November 30, 2023**)

[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

[Stanford Molecular Imaging Scholars \(SMIS\) Program](#) - Stanford University (deadline **September 4, 2023**)

[Post-Doctoral Fellowships in Space Security](#) - Outer Space Institute, University of British Columbia (deadline **September 15, 2023**)



[Stanford Cancer Imaging Training \(SCIT\) Program](#) - Stanford University (deadline **October 1, 2023**)

[Dicke Fellow](#) - Princeton University (deadline **October 20, 2023**)

[2024 Yale Quantum Institute Postdoctoral Fellowship](#) - Yale University, YQI (deadline **October 29, 2023 at 11:59pm ET**)

[Postdoc Position in Theoretical Condensed Matter and Computational Biophysics](#) - UC Riverside

[Experimental Postdoctoral Position in Electron-Positron Plasmas](#) - UC Riverside

## 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)**)

[Foreign Affairs Information Technology Fellowship](#) - U.S. Department of State (application opens **September 2023**), [Webinar](#) for more information.

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

## Undergraduate Student Opportunities

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))

[Foreign Affairs Information Technology Fellowship](#) - U.S. Department of State (application opens **September 2023**), [Webinar](#) for more information.

## Meetings, Schools, Workshops, and Conferences

[American Physical Society Conferences for Undergraduate Women in Physics \(CUWiP\)](#), January 19-21, 2024 - nearest locations are: Boston University & Wellesley College; City University of New York, Graduate Center; or United States Military Academy, West Point. The 2024 Millie Dresselhouse CUWiP Keynote Speaker is [Dr. Jocelyn Bell Burnell](#), Royal Society of Edinburgh. **Applications open on August 28, 2023.**



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