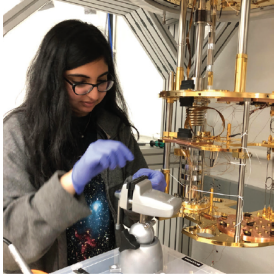


To view this email as a web page, go [here](#).

Yale Physics



September 24, 2021

Events

Monday, September 27

4:00 pm **Physics Club:** *A Modern View of Scattering Amplitudes*, Henriette Elvang, University of Michigan, [zoom](#), password 008008. Host: Walter Goldberger.

Wednesday, September 29

1:00 pm **Yale Systems Biology Institute Seminar:** *Cooperation Among Phenotypically Distinct Cells*, Adam Marcus, Emory University School of Medicine, [zoom](#), password 187019

1:30 pm **Wright Lab Event:** *Introduction to Scientific Computing at Wright Lab*, Thomas Langford, Yale University, [Register here](#)

2:30 pm **Department of Mechanical Engineering & Materials Science Seminar:** *Jam and Conquer*, Oskar Hallatschek, University of California, Berkeley, contact the department for zoom information.

3:30 pm **Department of Earth & Planetary Sciences Colloquium:** *Controls on temperature and heat stress extremes*, Nick Lutsko, Scripps Institution of Oceanography, contact the department for zoom information.

4:15 pm **Department of Mathematics Colloquium:** *Uniform Bounds for Rational Points*, Jordan Ellenberg, University of Wisconsin.

Thursday, September 30

1:00 pm **Nuclear Particle Astrophysics Seminar:** *Title TBA*, Fernando Flor, University of Houston, [zoom](#), password 441777. Host: Laura Havener.

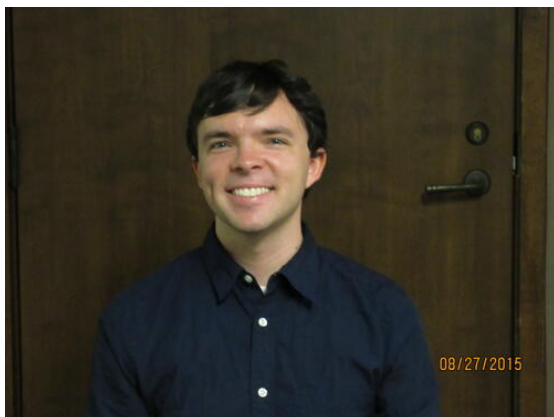
1:00 pm **Yale Quantum Institute Dissertation Defense:** *Title TBA*, Nicholas Frattini, Yale University, [Livestream the PhD defense here](#).

2:30 pm **Yale Astronomy Colloquium:** *Title TBA*, Cameron Hummels, Caltech, contact the department for zoom information.

Friday, October 1

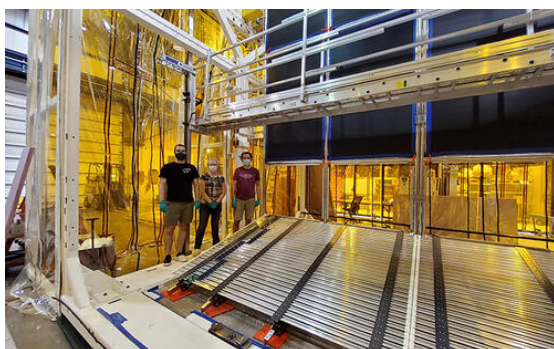
12:00 pm **Yale Quantum Institute Distinguished Lecturer:** *Title TBA*, Kang-Kuen Ni, Harvard University, [Livestream the event here](#).

News



Stephen Eltinge successfully defends thesis

On August 26, 2021, Stephen Eltinge successfully defended the thesis "Ab Initio Insights Into Substrate Effects, Structural Identification, and Excitonic States in 2D Materials". (Advisor: Sohrab Ismail-Beigi).



Fleming group installs SBND Field Cage at Fermilab

Yale Physics's associate research scientist Domenico Franco and graduate students Giacomo Scanavini and Angela White from Bonnie Fleming's Yale High-Energy Neutrino Physics group successfully mounted the Bottom Field Cage of the Short Baseline Near Detector (SBND) Time Projection Chamber (TPC) at Fermilab in August of 2021.



Yale Prize Postdoctoral Fellow: Tyler Ellison

Welcome to Tyler Ellison who comes to us from the University of Washington as a Postdoctoral Prize Fellow in Theoretical Condensed Matter Physics. Ellison will be working with Meng Cheng on developing new quantum error correcting codes inspired by exotic topological phases of matter.

Mossman Fellow: Justin Lane

Welcome to Justin Lane who comes to us from Michigan State University as a Mossman Fellow working in the Atomic Physics Group with Jack Harris. His research at Yale is focused on studying the dynamics of non-Hermitian systems near higher-order exceptional points.



Office Hours with... Eduardo da Silva Neto

Eduardo da Silva Neto, Assistant professor of physics, was featured in Yale News "Office Hours with..." on September 16, 2021.

Eduardo da Silva Neto's love affair with science started in childhood, as a kid growing up in Brazil.



Yale University becomes official remote site for data taking for ALICE

With international travel restrictions still in place due to the COVID-19 pandemic, researchers in the Wright Lab Relativistic Heavy Ion Group (RHIG) applied for and received permission for Yale University to become an official remote site for data taking for ALICE (A Large Ion Collider Experiment) on the Large Hadron Collider (LHC) at CERN, and a new Remote Operations Site (ROS) is now installed and operational in Wright Lab West.



[More news](#)

Community

Climate and Diversity Committee News

Now that the academic year has started, many students are starting the process of applying to summer internships, and graduate and professional programs. If you find your inbox starting to fill with requests for letters of recommendation, consider how your letter can best advocate for the student and help them advance to the next career step. Please take extra care as you craft these letters as there are subtle ways in which implicit bias changes how we describe our students and can prevent them from fulfilling their full potential. We recommend a new

publication that outlines [Ten simple rules for writing compelling recommendation letters](#) . The last page also has helpful advice for making letter requests. For more information please also see CDC's [Writing Equitable Reference Letters](#) page which has links to published research on biased letter writing and one page guides for reducing [racial bias](#) and [gender bias](#) in reference letter writing.

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

COVID-19 update

Please check [Yale COVID-19 Statistics](#) for current statistics. The current COVID-19 Alert Level is Yellow (see the site for an explanation).

[Yale COVID-19 Site](#)
[COVID-19 Workplace Guidance website](#)
[Yale College COVID-19 Announcements and FAQs](#)
[Yale Physics COVID-19 site](#)

Opportunities

Faculty positions

[Teaching in Yale Summer Session 2022](#) - Yale University (Deadline Oct. 11, 2021)

[Assistant Professor in Soft Condensed Matter Physics](#) - UC Berkeley (Deadline Oct. 26, 2021)

[Faculty Opening in Astromaterials, Solar System, and Planetary System Formation](#) - Washington University in St. Louis (Deadline Nov 24, 2021)

[Asst. Prof. in Experimental Particle Physics position](#) - UPenn (Deadline until filled)

[Assistant Professor of Physics, Tenure track](#) - The College of Wooster (Deadline until filled)

[Junior Faculty Search in Fundamental symmetries \(experiment\), broadly defined](#) - UC Berkeley (Deadline until filled)

[Assistant Professor in Experimental Particle Physics](#) - University of Pennsylvania (Deadline until filled)

[Faculty and Associate Faculty Positions](#) - Perimeter Institute (no deadline)

Postdoctoral positions

[Yale Postdoctoral Fellowship in Quantum Information Theory](#) - Yale University (Deadline Feb. 1, 2022)

[University of Chicago Fellowship Opportunities:](#)

- Grainger Fellowship in Experimental Physics - all fields ([Webpage](#): Deadline Oct. 15, 2021)
- Biological Physics Fellowship in Biological Physics ([Webpage](#): Deadline Oct. 15, 2021)
- Quantum Fellowship in Quantum Science ([Webpage](#): Deadline Oct. 15, 2021)
- Kadanoff-Rice Fellowship in Materials Science ([Webpage](#): Deadline Oct. 15, 2021)
- Kadanoff Fellowship in Theoretical Physics ([Webpage](#): Deadline Nov. 15, 2021)
- KICP Fellowship in Cosmological Physics ([Webpage](#): Deadline Nov. 15, 2021)
- Fermi, McCormick, Oehme Fellowship in Particle Physics, Astro Physics & Astronomy ([Webpage](#): Deadline Nov. 7, 2021)

[Dicke Fellowship in Experimental Physics](#) - Princeton University (Deadline Oct. 22, 2021)

[Air Force Science & Technology Fellowships](#) (Rolling deadlines Feb 1, May 1, Aug 1, **Nov 1**)

[Postdoctoral Research Positions](#) - Perimeter Institute (Deadline Nov 8, 2021)

Postdoctoral Research Associate in Neutrino Physics - Brookhaven National Lab: Two ways to apply [1] [Inspire](#) or [2] [BNL-jobs](#)

Graduate student and Postdoc Research

[Graduate Student Research \(SCGSR\) Awards](#) - DOE Office of Science (Deadline Nov 10, 2021)

[Graduate Research Fellowship Program \(GRFP\)](#) - National Science Foundation (Deadline Oct 18, 2021)

Undergraduate Research

[Undergraduate School on Experimental Quantum Information Processing](#) (two-week introduction) or [Undergraduate Research award](#) (all summer)- The University of Waterloo (Deadline Jan 4, 2022)

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)

[Spring 2022 Undergraduate Internships](#) - DOE Office of Science

[2nd Annual FUTURE Ignited program](#), a one-day virtual conference on October 2 for Junior or Senior students of color,* in a STEM field at Caltech

Grant Opportunities

[Space Grant Opportunities](#): [Faculty RFP](#) and [Student RFP](#) (deadline Oct. 15, 2021) - CT Space Grant Consortium

Fellowship Opportunities

Science Policy Fellowships: [State Department Fellowship](#) (deadline Oct. 15, 2021) and [Congressional Fellowship](#) (deadline Dec. 1, 2021) - AIP



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For further information, or to contribute to the newsletter, please send email to [Daphne Klemme](#).

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