



Yale Physics Newsletter: August 30, 2019

For further information on any of the items included here or if you would like to contribute to the next newsletter, send email to [Daphne Klemme](mailto:Daphne.Klemme).

Community

The [Climate and Diversity Committee](#) (CDC) convenes once a month. If interested in joining please contact Helen Caines (helen.caines@yale.edu, Chair of CDC). You may contact the whole committee at physics-cdc@mailman.yale.edu

Hints & Tips

All Chemicals **MUST** be purchased by a PO Request. They are not to be purchased using the p-card.

Department News

COSINE-100 experiment featured in Symmetry article "Testing DAMA"

Upcoming Events

Monday, September 2

Labor Day no seminars

Tuesday, September 3

10:00am Department of Astronomy PhD Defense. Jesse Feddersen, Yale University, "Stirring a Giant: Feedback in the Orion A Molecular Cloud". Advisor: Héctor Arce

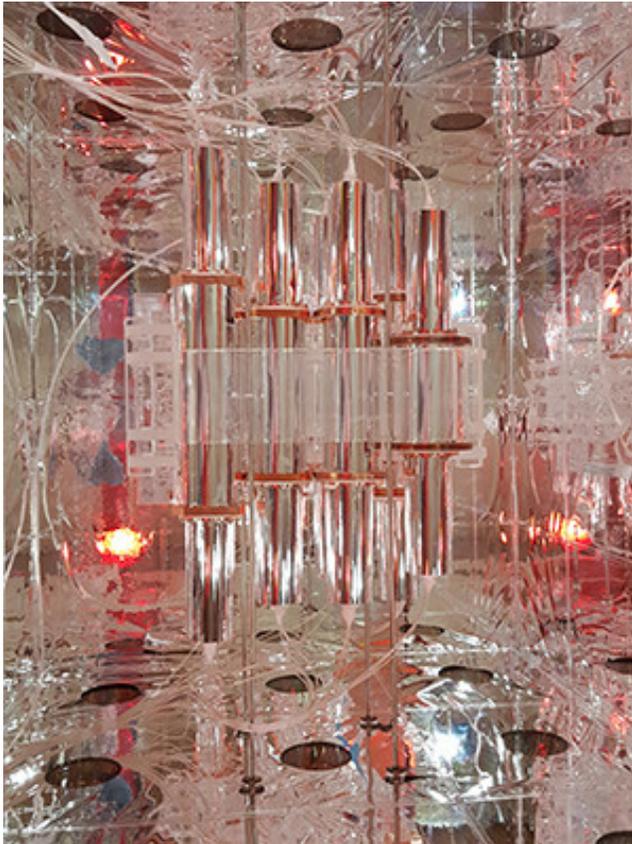
Thursday, September 5

2:30pm Yale Astronomy & Astrophysics Colloquium. Norman Murray, Canadian Institute for Theoretical Astrophysics, University of Toronto, "The effect of thermal tides on planetary rotation rates". WTS A-51

7:30pm Yale Quantum Institute Presents. Rowan Jacobsen, Science Writer, "The Nature of Nature: What happens when we start engineering the wild?". Whitney Humanities Center. This event is co-sponsored by the Franke Program in Science and the Humanities.

Friday, September 6

4:00pm Department of Geology & Geophysics Colloquium. Marine Denolle, Harvard University, "The dynamic shallow Earth: monitoring seismic properties and natural resources". KGL 123



COSINE-100 sodium iodide detector array. Photo credit: Chang Hyon Ha

Professor Reina Maruyama, the principal investigator of the COSINE-100 experiment, was featured in a *Symmetry* magazine article titled "[Testing DAMA](#)".

As mentioned in the article, COSINE-100 was designed to test the findings of the DAMA/LIBRA experiment, which reports that it has been regularly directly detecting a dark matter signal since 1997.

In addition to Maruyama, the other members of the COSINE-100 team at Yale are postdoctoral associate Jay Hyun Jo; graduate students Estella Barbosa de Souza and William G. Thompson; and undergraduate students Daniel Heimsoth '20, Liz Ruddy '20, and Andrew Zheng '22.

The full text of [the article](#) is linked below.

External links:

<https://www.symmetrymagazine.org/article/testing-dama>

<https://wlab.yale.edu/news/wright-lab-professor-reina-maruyama-awarded-nsf-grant...>

Barry Bradlyn (Yale Ph.D. 2015) has won the McMillan Award of UIUC

Save the date!

September 11, 2019 Physics & Applied Physics Welcome Reception.

September 21, 2019 Girls' Science Investigations Session #1 (The World of Light)

January 17, 2020 American Physical Society Conference for Undergraduate Women in Physics at Yale

Announcements

[Please click here for updates on the Yale Science Building, including a new logistics plan.](#)

The project encompasses the construction of a new state of the art sciences laboratory at the approximate location of the demolished J.W. Gibbs building, a comprehensive renovation of the KBT Plaza, a lecture hall, and a common area at the south end of KBT Plaza.

Marsh Lecture Hall at the Yale Science building is open! Click here for Access Information.

Opportunities

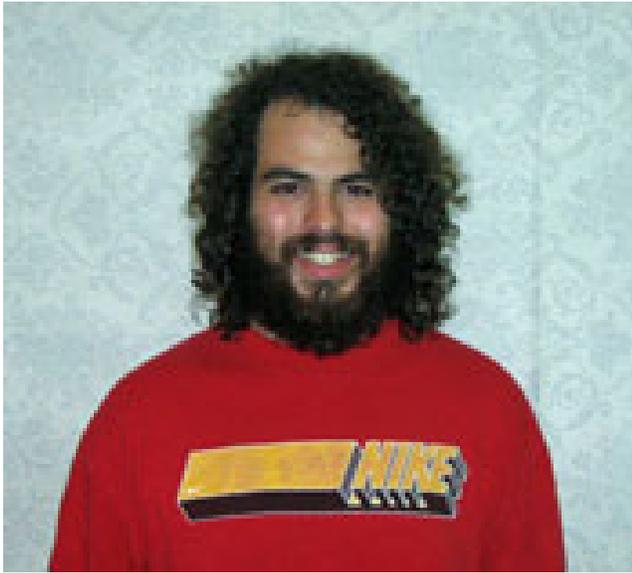
MIT is pleased to announce the 2019 competition for the Lee Grodzins Postdoctoral Award. This award, which is a \$10,000 prize and an invited talk at MIT, was created to recognize the importance of original and unique work by postdoctoral fellows within the experimental nuclear and particle community. You can learn about the prize, including how to nominate, here:

http://web.mit.edu/lns/news/Lee_GRODZINS_prize/index.html.

Nominations are due by September 15, 2019.

Fall 2019 Call for Applications!

NASA CTS GC is excited to announce various funding opportunities available for our Fall 2019 Call for Applications! To view a summary of grants, scholarship awards, and design challenges that will be issued during our Fall 2019 award cycle please visit our Faculty Programs or Undergraduate & Graduate Programs pages. Applications can be completed electronically using the links on our Apply page. The due date for all applications is September 25, 2019. Apply today!



The William L. McMillan Award was established by his friends and colleagues to recognize outstanding contributions by a young condensed matter physicist. One of the most creative and distinguished members of our department from 1972 until his untimely death in 1984, Professor McMillan was noted for his basic and unique contributions to many areas of condensed matter physics, including liquid helium, superconductivity, liquid crystals, layer compounds, spin glasses, and localization phenomena. In many of these areas, he made novel applications of computer techniques to obtain increased physical understanding of complex many-body systems.

Barry Bradlyn, 2019

Department of Physics
University of Illinois at Urbana-Champaign

“for the development of a predictive theory of topological materials with non-magnetic space groups.”

NASA CT Space Grant Consortium
Fall 2019 Call for Applications

Deadline: Sept. 25, 2019 @ 11:59PM

- ◆ Faculty Grants
- ◆ Travel Grants
- ◆ Graduate Fellowships
- ◆ Undergraduate Research Grants
- ◆ Student Project Grants
- ◆ Scholarships
 - Undergraduate
 - Community College
 - Community College Transfer
- ◆ Community College Quadcopter Challenge

Find out more information on our website!

CTSPACEGRANT.ORG ◆ CTSPGRANT@HARTFORD.EDU ◆ 860.768.4813



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