

CALENDAR OF EVENTS <http://physics.illinois.edu/bluesheet.asp>

Monday, November 12, ICMT Seminar: “Modeling Liquid Crystal Elastomers”
Robin Selinger; 12:00 pm in 190 ESB

Monday, November 12, Thesis Defense: “Patterns of Electromagnetic Response” Srinidhi Tirupattur; 1:00 pm in 3110 ESB

Monday, November 12, “Integrated Computational and Experimental Studies on the Structure and Function of Ion Channels: ; 3:00 pm in 3269 Beckman

Tuesday, November 13, “Astronomy Colloquium” Dr. Wendy Freeman ; 3:45 pm in NCSA Auditorium

Wednesday, November 14, Astrophysics, Gravitation, and Cosmology Seminar “Astrometry for Detecting Nanohertz Gravitational Waves” A. Miguel Holgado ; 12:00 pm in 464 Loomis

Visitors:

Institute for Condensed Matter Seminar

Title: "MODELING LIQUID CRYSTAL ELASTOMERS: FROM AUTO-ORIGAMI TO RESPONSIVE SURFACES AND LIGHT-DRIVEN AUTONOMOUS SOFT ROBOTICS"

Speaker: Robin Selinger (Kent State University)

Date: Monday, November 11

Time/Location: 12:00 pm / 190 ESB

Abstract: See here

<https://physics.illinois.edu/calendar/event/11/12/2018/33310525>

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Seminar** “Astrometry for Detecting Nanohertz Gravitational Waves” A. Miguel
Holgado ; 12:00 pm in 464 Loomis

Visitors:

THESIS DEFENSE

Title: PATTERNS OF ELECTROMAGNETIC RESPONSE IN TOPOLOGICAL
SEMI-METALS

Date: Monday, November 12

Time: 1pm / 3110 ESB

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Visitors:

Astronomy Colloquium

Title: ” TENSION IN THE HUBBLE CONSTANT?”

Speaker: Dr. Wendy Freedman (University of Chicago)

Date: Tuesday, November 13 **Time/Location:** 3:45 pm / NCSA Auditorium

Abstract: See here <https://physics.illinois.edu/calendar/event/11/13/2018/33308484>

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Visitors:

Astrophysics, Gravitation, and Cosmo Seminar

Title: ” ASTROMETRY FOR DETECTING NANOHERTZ GRAVITATIONAL WAVES”

Speaker: A. Miguel Holgado (UIUC)

Date: Wednesday, November 14 **Time/Location:** 12:00pm / 464 Loomis

Abstract: The main goal of astrometric missions like Gaia is to determine the positions, proper motions, and parallaxes of celestial objects. Observational astrometry may also be used to search for signatures of gravitational waves, which is not a new idea. Even though the prospects for astrometric gravitational-wave detection of the nanohertz stochastic background are not as promising as compared to pulsar timing arrays, astrometry shows promise for being more sensitive than pulsar timing arrays at frequencies greater than ~ 30 nHz for individually resolvable sources. I will discuss the nanohertz landscape, the Gaia mission, astrometric signatures of gravitational waves, and prospects for astrometric gravitational-wave detection.