

Structure of the Universe

**129th Topical Symposium of the
New York State Section of the American Physical Society
Saturday, April 6, 2024
8:30 AM – 7:00 PM**

University at Albany - SUNY
ETEC, 1220 Washington Ave, Albany, NY 12226

nyssaps.org

Abstract submission deadline: **April 3, 2024**

The 129th Topical Symposium of the New York State Section of the APS will be held in-person at the University at Albany on Saturday, April 6, 2024. The theme of the symposium is *Structure of the Universe*. Several topics related to this theme will be covered at the symposium, including dark matter, galaxy formation and evolution, supernova physics, and gravitational waves. The keynote speaker for the symposium is Heidi Jo Newberg, who is a Physics Professor at Rensselaer Polytechnic Institute. She will give the presentation entitled *The Milky Way Galaxy is in Disequilibrium*.

On Monday, April 8, 2024, a total eclipse of the sun will pass through Upstate New York. This is a rare event. In fact, the next total solar eclipse that will pass through North America will not occur until Aug. 23, 2044. In preparation for this event, Mindy Townsend, who is the Dudley Astronomer at Siena College, will give a talk about eclipses and will give further details about the April 8th eclipse. The title of her presentation is *Under the Shadow of the Moon: Eclipses (Then and Now), and Why They Are Still Worth Dropping Everything For*. Each attendee at the symposium will receive a pair of eclipse glasses.

To register and obtain further information about the symposium, please visit the symposium website: nyssaps.org. You do not need to be a member of the APS to register for the symposium. Abstracts are being solicited for poster presentations in all physics and physics-related areas, not just astronomy and astrophysics. Students who give a poster presentation at the symposium receive free registration. Awards will be given for the best poster presentations at the graduate student, undergraduate student, and high school student levels. The deadline for submitting a poster abstract has been extended to Wednesday, April 3, 2024.

Local Organizing Committee:

Carl A. Ventrice, Jr.
University at Albany
Email: cventrice@albany.edu

Susan DiFranzo
Hudson Valley Community College
Email: s.difranzo@hvcc.edu