

DC/MD/VA Astrophysics Meeting Schedule

8:15-8:45	Meeting registration, poster setup, and coffee
8:45-8:55	Welcome and opening words by Prof. Chryssa Kouveliotou (GWU)
9:00-9:15	Noel Klingler (GWU) <i>Spectral Mapping of Pulsar Wind Nebulae</i>
9:15-9:30	Jeffrey Cummings (JHU) <i>Massive white dwarfs & the initial-final mass relation</i>
9:30-9:45	Sean Terry (CUA/NASA GSFC) <i>Bayesian Analysis and Modeling of Gravitational Microlensing Events with Implications for the Wide-Field Infrared Survey Telescope</i>
9:45-10:00	Trevor Torpin (CUA) <i>Anomalous vs. Normal Low States in LMC X-3</i>
10:00-10:30	Coffee Break/Poster Session
10:30-10:45	Ashlee Wilkins (UMD) <i>Exoplanet Atmospheres in Exotic Environments: Hubble Studies of Transiting Giant Planets</i>
10:45-11:00	Daniel Angerhausen (NASA GSFC) <i>Sniffing Alien Atmospheres: Exoplanet spectrophotometry (from ground-, airborne- and space-based observatories)</i>
11:00-11:15	Nicholas Troup (UVA) <i>Combining the Brown Dwarf Desert with APOGEE</i>
11:15-11:30	Justin Linford (GWU) <i>The Strange Tale of Nova V1535 Sco</i>
11:30-11:45	Allen Wang (ISU/NASA GSFC) <i>Estimating Newton's Gravitational Constant from Space with LISA Pathfinder Flight Data</i>
11:45-12:00	Emmaris Soto (CUA) <i>UV Clumps at $0.5 \leq z \leq 1.5$ in the Deepest Field of the Universe</i>
12:00-1:00	Lunch Break/Poster Session
1:00-1:30	Invited Speaker: Daniela Huppenkothen (NYU) <i>Exploring the Violent Universe: A Data Science Approach to X-ray Astronomy</i>
1:30-2:00	Invited Speaker: Rafaella Margutti (CfA) <i>Stellar Explosions</i>
2:00-2:15	Sean Linden (UVA) <i>Massive Star Cluster Formation and Destruction in Luminous Infrared Galaxies</i>
2:15-2:30	Jennifer Liang (UMD) <i>Turbulence in galaxy clusters: a matter of gravity?</i>
2:30-2:45	Israel Martinez-Castellanos (UMD) <i>HAWC capabilities and results from the first year of operations</i>
2:45-3:00	Aamir-Ali (JHU) <i>The Cosmology Large Angular Scale Surveyor</i>
3:00-3:30	Coffee Break/Poster Session
3:30-3:45	Steven Silverberg (OU/NASA GSFC) <i>New Dusty Stars in Young Moving Groups from Disk Detective</i>
3:45-4:00	Alex Richert (PSU/NASA GSFC) <i>Gas-dust interactions in debris disks</i>
4:00-4:15	Jeremy Hare (GWU) <i>Applying Machine Learning to Understand the Nature of X-ray Sources</i>
4:15-4:30	Blagoy Rangelov <i>Discovery of Far-UV Emission from Pulsar Bowshocks</i>
4:15-4:30	Concluding Remarks

Posters

Laura Vega (Vanderbilt)

Stellar Evolution at the Crossroads: A Closer Look at the RV Tauri Variable Star DF Cygni

Agnes Ancheta (CUA)

A Portable Manson Source Calibration Tool for Soft X-ray Missions

Matthew Berkeley (CUA)

Creating a full-sky map of PAH emission

Jullianna Denes Couto (CUA)

New Chandra Observations of NGC 4151: Modelling the X-Ray Absorption

Vicky Scowcroft (CIS)

Stellar cartography: mapping the Magellanic Clouds using variable stars

David Tsang (UMD)

Simplectic" Integrators: Variational Integrators for General Nonconservative Dynamics

Teresa Monsue (Vanderbilt)

Chromospheric Acoustic Oscillations in Active Flaring Regions

Kyle Sheppard (UMD)

A Comparison of Systematic Modeling Techniques Applied to HST WFC3 Secondary Eclipse Observations of WASP-18b

This meeting is supported by the Department of Physics and the GW Astronomy, Physics and Statistics Institute of Sciences (APSIS).