

DC/MD/VA Astro Conference Program

Thursday, July 10th Galactic Astrophysics

9:00 - 9:45	Registration/Coffee			
9:45 - 10:00	Welcome		Kargaltsev/Herrera-Camu	GWU/UMD
10:00 - 10:30	Invited talk: Seeking signs of cosmological inflation in the CMB polarization: BICEP2 and efforts at GSF	Eric	Switzer	GSFC
10:30 - 10:45	The E and B EXperiment: EBEX	Kyle	Helson	BROWN
10:45 - 11:00	Spatiotemporal correlation decay of the HMI and AIA data	Jordan	Guerra Aguilera	CUA
11:00 - 11:15	New Light on Binarity with APOGEE: Trends with Primary Stellar Parameters and Abundances.	Nicholas	Troup	UVA
11:15 - 11:45	Invited talk: Galactic gamma-ray and cosmic-ray astrophysics	Jack	Hewitt	GSFC
11:45 - 12:00	The Dynamic X-ray Nebula Powered by the Pulsar B1259-63	Jeremy	Hare	GWU
12:00 - 13:00	Lunch / Poster Session / Student career Q&A			
13:00 - 13:30	Invited talk: The Diversity of Exoplanets: an Observer's Perspective	Joleen	Carlberg	DTM at CIS
13:30 - 13:45	The Visible Nulling Coronagraph for direct imaging of exoplanetary systems	Brian	Hicks	GSFC
13:45 - 14:00	An Estimate of Mass Transfer on Tidally Locked Heated Super-Earths	Prabal	Saxena	GMU
14:00 - 14:15	Exploring the diffuse interstellar bands with the Sloan Digital Sky Survey	Ting-Wen	Lan	JHU
14:15 - 14:30	Constraining the Magnetic Fields of Transiting Exoplanets	Jake	Turner	UVA
14:30 - 14:45	Observable Effects of Tidal Bulges on Rocky Exoplanets	Alex	Panka	GMU
14:45 - 15:15	Coffee Break / Poster Session			
15:15 - 15:45	Invited talk: Many faces of neutron stars	Oleg	Kargaltsev	GWU
15:45 - 16:00	Deep Chandra Observations of Pulsar Tails: PSR B0355+54	Noel	Klingler	GWU
16:00 - 16:30	Poster Session			
16:30 -	Happy Hour at Tonic (optional)			

Friday, July 11th Extragalactic Astrophysics

9:00 - 9:40	Registration Coffee Poster setup			
9:40 - 9:45	Opening remarks			
9:45 - 10:00	Black hole mass determination using X-ray data	Insuk	Jang	GMU
10:00 - 10:15	Study of a Population of Galaxies with High [3.4]-[4.6] colors	Jessica	O'Connor	GMU
10:15 - 10:30	Star Formation Histories Across the Condor Galaxy, The Largest-Known Spiral	Rafael	Eufrasio	GSFC/CUA
10:30 - 10:45	Studying gas depletion in interacting galaxies	Derek	Fertig	GMU
10:45 - 11:00	Automated Classification with Machine Learning	Derek	Brehm	GWU/JHU
11:00 - 11:30	Invited talk: Quasar feedback and its effect on galaxy formation	Nadia	Zakamska	JHU
11:30 - 11:45	A near-Eddington 400 solar mass black hole in the M82 galaxy	Dheeraj	Pasham	UMD
11:45 - 12:00	Indirect Evidence for Escaping Lyman Continuum from Lyman Break Analog Galaxies	Rachael	Alexandroff	JHU

12:00 - 13:00	Lunch / Poster Session / Student career Q&A			
13:00 - 13:15	[CII] 158 micron Emission as a Star Formation Tracer	Rodrigo	Herrera-Camus	UMD
13:15 - 13:30	Detection of a stochastic gravitational-wave background with binary pulsars	Julian	Munoz	JHU
13:30 - 13:45	LIGO GRB searches in the advanced detector era	Robert	Coyne	GWU
13:45 - 14:00	HIGH-RESOLUTION RADIO CONTINUUM MEASUREMENTS OF THE NUCLEAR DISKS OF ARP 220	Loreto	Barcos-Munoz	UVA
14:00 - 14:15	Localizing the Gamma-Ray Emitting Zone in PKS1510	Amanda	Dotson	UMBC
14:15 - 14:45	Invited talk: The Current Mysteries in the Study of Gamma-ray Bursts	Judith	Racusin	GSFC
14:45 - 15:00	GRB Suite: Visualization, animation, and sonification of Fermi LAT data	Sylvia	Zhu	UMD/GSFC
15:00 - 15:30	Coffee Break / Poster Session			
15:30 - 15:45	The Swift mission as high-z explorer: GRBs as probes of the early star-formation	Antonino	Cucchiara	GSFC
15:45 - 16:00	Very High Energy Gamma Ray Bursts: Predictions for New and Current Ground Based Telescopes	Ian	Morgan	SMCM/GSFC
16:00 - 16:15	A simple Synchrotron Radiation model for GRB Prompt Emission	Ashwin	Shenoy	GWU
16:15 - 16:30	Closing remarks	Kalvir	Dhuga	GWU
16:30 -	Happy Hour at Tonic (optional)			
	Posters			
	Constraining System Parameters of Eclipsing X-ray Binaries with the Swift Burst Alert Telescope (BAT)	Joel	Coley	UMBC
	The Effect of Sulfur on Interstellar Extinction	Dhanesh	Krishnarao	AU
	The Effect of Metallicity on Molecular Gas and Star Formation in the Magellanic Clouds	Katie	Jameson	UMD
	Chandra and Suzaku observations of two galactic TeV sources	Jeremy	Hare	GWU
	Slitless Solar Spectroscopy	John	O'Neill	CUA
	Exoplanet detections at the George Mason University Observatory	Tiffany	Lewis	GMU
	Exoplanet detections at the George Mason University Observatory	Joel	Renaud	GMU
	Large-Scale Distribution of the Young Stellar Population in Perseus	Lauren	Bittle	UVA
	Diverse Galaxies: Clumpy Regions In The UV HUDF at $0.5 < z < 1.5$	Emmaris	Soto	CUA
	Exploring Evidence for Cosmic Ray Acceleration in Westerlund 1	Nora	Shipp	GSFC
	X-ray and Ultraviolet Spectral Evolution of LMC X-3 During Normal and Anomalous Low States	Trevor	Torpin	CUA
	Constraining Cosmic Ray Origins Through Spectral Radio Breaks In Puppis A	Zeeve	Rogoszinski	GSFC