

MIDWEST MAGNETIC FIELDS WORKSHOP 2017

THURSDAY MAY 25TH				FRIDAY MAY 26TH			
TIME	SPEAKER	TITLE	CHAIR	TIME	SPEAKER	TITLE	CHAIR
8:00-8:25	Heiles, Carl University of California, Berkeley	New Discovery: Frequent Linear Polarization of 21-cm Emission Lines	Desati, Paolo University of Wisconsin-Madison	8:00-8:25	Clark, Susan Columbia University	The Magnetorotational Instability as a Pattern Forming System	Spangler, Steven University of Iowa
8:25-8:50	Crutcher, Richard University of Illinois	Observation of Magnetic Fields in Star Formation Regions		8:25-8:50	Burkhart, Blakesley Harvard University	Magnetic Fields in Star Formation from Parsec to AU Scales	
8:50-9:15	Troland, Thomas University of Kentucky	Magnetically Supported PDRs in the Galaxy		8:50-9:15	Sepian, Zachary Lawrence Berkeley National Lab	Collapse of spherical cores embedded in a low-density filament: analytic predictions	
9:15-9:40	Fissel, Laura NRAO	Testing of the importance of magnetic fields in molecular cloud formation and evolution		9:15-9:40	West, Jennifer University of Toronto	Order or disorder? Magnetic fields in young supernova remnants	
9:40-10:05	Lazarian, Alex University of Wisconsin-Madison	Gradients in Turbulent Media: New Way of Tracing Magnetic Field in Diffuse Media		9:40-10:05	Heinz, Sebastian University of Wisconsin-Madison	Shock-accelerated inhomogeneous flows	
10:05-10:30	BREAK & POSTERS			10:05-10:30	BREAK & POSTERS		
10:30-10:55	Anderson, B-G SOFIA Science Center	Using Grain Alignment to Probe the ISM Environment	Heinz, Sebastian University of Wisconsin-Madison	10:30-10:55	Vishniac, Ethan Johns Hopkins University	The Advection of Magnetic Fields by Accretion Disks	Clark, Susan Columbia University
10:55-11:05	Gonzalez-Casanova, Diego University of Wisconsin-Madison	The Velocity Gradient Technique		10:55-11:20	Balsara, Dinshaw Univ. of Notre Dame	Linear and Nonlinear Stability of Realistic Astrophysical Jets	
11:05-11:15	Yuen, Ka Ho University of Wisconsin-Madison	Tracing galactic magnetic field using the gradient technique		11:20-11:30	Chen, Yi-Hao University of Wisconsin-Madison	Probing the Magnetic Structure of Jets through the Radio Lobes	
11:15-11:25	Sun, Bangzheng University of Wisconsin-Madison	Tracing Magnetic Field Through Gradients		11:30-11:40	Hill, Alex Haverford College	The Fan Region and the Galactic magnetic field	
11:25-11:50	Novak, Giles Northwestern University	Polarization Spectrum of Interstellar Dust from BLAST, ToITEC, and HAWC+		11:40-11:50	Lan, Nguyen Quynh Hanoi National University of Education	Magnetic fields in the standard model	
11:50-12:00	Santos, Fabio Northwestern University	Comparing Submillimeter Polarized Emission with Near-infrared Polarization		11:50-12:25	DISCUSSION		
12:00-1:00	LUNCH			12:25-1:30	LUNCH		
1:00-1:25	Mac Low, Mordecai-Mark American Museum of Natural History	Magnetized Molecular Cloud Formation and Dynamics	Ruszkowski, Mateusz University of Michigan - Ann Arbor	1:30-1:55	Li, Hui Los Alamos National Laboratory	Parametric Decay Instability of Alfvén Waves and Particle Heating in Low-Beta Astrophysical Plasmas	Mac Low, Mordecai-Mark American Museum of Natural History
1:25-1:50	Yusef-Zadeh, Farhad Northwestern University	Star Formation near Sgr A*		1:55-2:20	Beresnyak, Andey Naval Research Laboratory	MHD turbulence and particle acceleration	
1:50-2:15	Jones, Tomas University of Minnesota	Generation and Dissipation of Turbulence During the Formation of Galaxy Clusters		2:20-2:45	Ruszkowski, Mateusz University of Michigan - Ann Arbor	Impact of cosmic ray transport on launching and accelerating winds in starburst galaxies	
2:15-2:35	BREAK & POSTERS			2:45-3:05	BREAK & POSTERS		
2:35-3:05	DISCUSSION			3:05-3:15	Amaral, Ariel University of Toronto	Using Cross-Correlation Methods to Detect the Cosmic Magnetic Field	Novak, Giles Northwestern University
3:05-3:30	Spangler, Steven University of Iowa	Modeling Magnetic Fields in HII Regions: Large Scales and Small Scales	Burkhart, Blakesley Harvard University	3:15-3:25	Murray, Daniel University of Wisconsin-Milwaukee	Collapse in Self-gravitating Turbulent Fluids, with and without Magnetic Fields	
3:30-3:40	Costa, Allison University of Iowa	Probing Magnetic Fields in the HII Region W4 with Faraday Rotation		3:25-3:50	Desati, Paolo University of Wisconsin-Madison	Anisotropy and Propagation of Cosmic Rays	
3:40-3:50	Lin, Rebecca University of Toronto	Taylor micro scales and the Properties of Magnetohydrodynamic Turbulence in the ISM		3:50-4:00	Lopez-Barquero, Vanessa University of Wisconsin-Madison	Cosmic Ray Anisotropy from the Magnetic Field at the Heliospheric Boundary	
3:50-4:15	Pogorelov, Nikolai University of Alabama in Huntsville	Magnetic Field in the Local Interstellar Medium Ahead of the Heliopause					
4:15-4:40	Vandenbroucke, Justin University of Wisconsin-Madison	Recent highlights from the IceCube Neutrino Observatory					