

THURSDAY, MAY 21

TIME	SPEAKER	TITLE	CHAIR
8:00-8:20	Heiles, Carl <i>UC Berkeley</i>	Stereo-A--solar propagation effects	Pogorelov, Nikolai
8:20-8:40	Chuss, David <i>Villanova Univ.</i>	Prospects for Measuring Magnetic Fields in the Galactic Center Using SOFIA/HAWC+	
8:40-9:00	Crutcher, Dick <i>UIUC</i>	CN Zeeman Observations and Star Formation	
9:00-9:20	Troland, Thomas <i>U. of Kentucky</i>	Galactic Magnetic Fields in the Diffuse and Molecular ISM	
9:20-9:35	Clark, Susan <i>Columbia Univ.</i>	Magnetically Aligned HI and Dust in the ISM	
9:35-9:55	Lazarian, Alex <i>UW - Madison</i>	Theory of non-relativistic and relativistic reconnection	
9:55-10:10	BREAK/POSTERS		
10:10-10:30	Mac Low, Mordecai-Mark <i>American Museum of Natural History</i>	Self-generated turbulence in 3D MHD reconnection	Vishniac, Ethan
10:30-10:45	Gonzalez-Casanova, Diego <i>UW - Madison</i>	Magnetic Fields in Early Protostellar Disk Formation	
10:45-11:05	Pueschel, M.J. <i>UW - Madison</i>	The gradient-driven drift coupling instability	
11:05-11:25	Terry, Paul <i>UW - Madison</i>	The role of pressure gradients in enhancing magnetic reconnection	
11:25-11:45	DuBois, Ami <i>UW - Madison</i>	Particle energization associated with tearing mode magnetic reconnection	
11:45-12:05	Raymond, John <i>CfA-Harvard</i>	Asymmetric reconnection in solar flare current sheets	
12:05-12:25	Sovinec, Carl <i>UW - Madison</i>	Numerical two-fluid studies of magnetic-field and flow relaxation in RFPs	
12:25-1:55	LUNCH		
1:55-2:15	Howes, Gregory <i>Univ. of Iowa</i>	Fluid and Kinetic Aspects of Kinetic Turbulence in Magnetized Plasmas	Spangler, Steven
2:15-2:35	Beresnyak, Andrey <i>Naval Research Laboratory</i>	On the foundations of MHD turbulence	
2:35-2:55	Yusef-Zadeh, Farhad <i>Northwestern Univ.</i>	Star Formation Near Sgr A*	
2:55-3:15	Novak, Giles <i>Northwestern Univ.</i>	The SHARP Survey of B-fields near Low-Mass Protostars	
3:15-3:35	Mirmov, Vladimir <i>UW - Madison</i>	Possibility of Fizeau interferometry in magnetized plasma	
3:35-3:50	BREAK/POSTERS		
3:50-4:10	Pogorelov, Nikolai <i>Univ. of Alabama in Huntsville</i>	The heliopause shaped by the interstellar magnetic field	Hourde, Martin
4:10-4:25	Frisch, Priscilla <i>U. of Chicago</i>	Components of the Nearby Interstellar Magnetic Field	
4:25-4:40	Lopez-Barquero, Vanessa <i>UW - Madison</i>	Cosmic Ray Anisotropy from Local Turbulent Magnetic Field Effects	
4:40-4:55	Fang, Ke <i>U. of Chicago</i>	Extragalactic Radio Emission from Particles Accelerated By Turbulence in Galaxy Clusters	
4:55-5:15	Kim, Jinho <i>U. of Notre Dame</i>	Linear Stability of Magnetized Jets Without Current Sheets	
5:15-30	Kooi, Jason <i>U. of Iowa</i>	The Ionosphere: Important Considerations for Faraday Rotation Studies	

FRIDAY, MAY 22

TIME	SPEAKER	TITLE	CHAIR
8:00-8:20	Vishniac, Ethan <i>AAS</i>	Turbulent Dynamos	Mac Low, Mordecai-Mark
8:20-8:35	Triana, Joseph <i>UW - Madison</i>	The Hall Dynamo in a Reversed Field Pinch Plasma	
8:35-8:50	Weisberg, David <i>UW - Madison</i>	Generating high Rm hydrodynamic flow in a plasma dynamo experiment	
8:50-9:10	Hourde, Martin <i>U. of Western Ontario</i>	Non-Zeeman Circular Polarization of Molecular Spectral Lines in the ISM	
9:10-9:25	Costa, Allison <i>U. of Iowa</i>	Faraday Rotation Measurements of the Rosette Nebula Stellar Bubble to Probe Magnetic Fields	
9:25-9:40	Cashman, Ren <i>Boston Univ.</i>	First Look at the Magnetic Century Cloud Sample	
9:40-10:00	Jones, Terry <i>U. of Minnesota</i>	Probing the Magnetic Field Geometry Around Class 0 YSOs	
10:00-10:15	BREAK/POSTERS		
10:15-10:35	Egedal, Jan <i>UW - Madison</i>	Electron energization during magnetic reconnection	Crutcher, Dick
10:35-10:55	Spangler, Steven <i>U. of Iowa</i>	Magnetic Fields in HII Regions	
10:55-11:15	Soler, Juan Diego <i>Inst. d'Astrophysique Spatiale</i>	The magnetic field and the structure of molecular clouds as revealed by Planck	
11:15-11:35	Fissel, Laura <i>Northwestern Univ.</i>	Constraints on Polarization Efficiency in the Vela C Molecular Cloud: First Results from BLASTPol 2012	
11:35-11:50	Williams, Anna <i>UW - Madison</i>	Disentangling the magnetic fields in NGC 6946	
11:50-12:05	Montgomery, Jordan <i>Boston Univ.</i>	Magnetic Fields in Milky Way Analog Galaxies: PEGS in the NIR	
12:05-12:25	Hoq, Sadia <i>Boston Univ.</i>	The Magnetic Field of an Infrared Dark Cloud	
12:25-1:55	LUNCH		
1:55-2:15	D'Onghia, Elena <i>UW - Madison</i>	Wobbles in the Milky Way Disk by a satellite encounter	Raymond, John
2:15-2:35	Stephens, Ian <i>Boston Univ.</i>	Spatially Resolved Magnetic Field Structure in the Disk of a T Tauri Star	
2:35-2:50	Segura-Cox, Dominique <i>U. of Illinois</i>	The Magnetic Field in the Class 0 Protostellar Disk of L1527	
2:50-3:05	Brad, Chris <i>UW - Madison</i>	Simulations of Centrifugal Magnetospheres in Massive Stars	
3:05-3:20	Horaites, Konstantinos <i>UW - Madison</i>	Self-Similar Kinetic Theory and Application to the Solar Wind	
3:20-3:40	Giannios, Dimitrios <i>Purdue Univ.</i>	Large jets from small scale magnetic fields	
3:40-3:55	Yoast-Hull, Tova <i>UW - Madison</i>	Magnetic Field & Cosmic Ray Energy Densities in Starburst Galaxies	
	END OF THE WORKSHOP		
4:00-5:00	OPEN INFORMAL DISCUSSION ON MAGNETIC RECONNECTION		