

MONDAY		Bringing Space Down to Earth:		
April 10, 2017		Exploring the Physics of Space Plasmas in the Laboratory		
	8:00	8:30	Breakfast: Bagels and Coffee	BAPSF
	8:30	8:45	Welcome: Aims of this Workshop	Howes
	8:45	9:00	Welcome to the Basic Plasma Science Facility (BAPSF)	Carter
	9:00	9:30	<i>What's on the Horizon for Space Physics in the Laboratory?</i>	Howes
	9:30	10:00	<i>Particle Heating in Space and Laboratory Plasmas</i>	Scime
	10:00	10:20	<i>Generating dynamic magnetic turbulence in a laboratory device using plasma guns and evolving spheromaks</i>	Schaffner
	10:20	10:40	Discussion	
	10:40	11:00	Coffee Break and Informal Discussions	
	11:00	11:30	<i>Alfven wave interactions and temperature-anisotropy-driven instabilities: review of LAPD experiments and future prospects</i>	Carter
	11:30	11:50	<i>Exploring waves through their effects on particle velocity distributions for electrons and ions</i>	Skiff
	11:50	12:00	Discussion	
	12:00	1:20	Lunch Break	Westwood
	1:20	1:50	<i>Understanding Space Plasmas Through Laboratory Experiments</i>	Ganguli
	1:50	2:10	<i>Plasma, Planetary Surfaces, and Cosmic Dust Experiments at the University of Colorado</i>	Munsat
	2:10	2:30	<i>Magnetized collisionless shocks in the LAPD</i>	Niemann
	2:30	2:50	Discussion	
	2:50	3:10	Coffee Break and Informal Discussions	
	3:10	3:30	<i>New Capabilities in Space and Laboratory Measurements</i>	Keesee
	3:30	3:50	<i>Nonlinear MHD waves in weakly collisional high-beta plasmas</i>	Squire
	3:50	4:10	<i>The Solar Probe Plus Mission and our Understanding of the Solar Wind and Heliosphere</i>	Velli
	4:10	4:30	Discussion	
	4:30	4:50	Daily Wrap Up	
	6:00		No Host Group Dinner	Rocco's, Westwood

TUESDAY		Bringing Space Down to Earth:		
April 11, 2017		Exploring the Physics of Space Plasmas in the Laboratory		
	8:30	9:00	Breakfast: Bagels and Coffee	BAPSF
	9:00	9:30	<i>Potential new opportunities utilizing laboratory facilities for elucidating the fundamental plasma physics mechanisms at play in space plasma</i>	Koepke
	9:30	9:50	<i>Radiation Belt Wave Observations on the Van Allen Probes and Opportunities for Lab Experiments</i>	Kletzing
	9:50	10:10	<i>Bayesian Techniques For Plasma Theory To Bridge the Gap Between Space and Lab Plasmas</i>	Crabtree
	10:10	10:30	Discussion	
	10:30	10:50	Coffee Break and Informal Discussions	
	10:50	11:20	<i>Particle Energization and the Tearing-Driven Turbulent Cascade</i>	Sarff
	11:20	11:40	<i>Validation in Modeling Laboratory Plasma Phenomena of Relevance to Astrophysics</i>	Terry
	11:40	12:00	Discussion	
	12:00	1:20	Lunch Break	Westwood
	1:20	1:50	<i>To Be Determined</i>	Kasper
	1:50	2:10	<i>Application of Field-Particle Correlations to Space and Laboratory Plasmas</i>	Klein
	2:10	2:30	<i>Disks, winds, atmospheres, and dynamos: An astro-plasma theorist's laboratory wish list</i>	Kunz
	2:30	2:50	Discussion	
	2:50	3:10	Coffee Break and Informal Discussions	
	3:10	3:30	<i>Laboratory plasma experiments using merging supersonic plasma jets</i>	Hsu
	3:30	4:00	Discussion and Daily Wrap Up	
	4:00	6:00	Wine and Cheese in the STRB	STRB

WEDNESDAY		Bringing Space Down to Earth:		
April 12, 2017		Exploring the Physics of Space Plasmas in the Laboratory		
	8:30	9:00	Breakfast: Bagels and Coffee	BAPSF
	9:00	9:30	<i>The Laboratory Magnetosphere: Studying space physics in plasmas confined by a levitated dipole magnet</i>	Garnier
	9:30	9:50	<i>Solving the Coronal Heating Problem</i>	Hahn
	9:50	10:10	<i>Scaled Experiments in NRL SPSC for Satellite Observations</i>	Tejero
	10:10	10:30	Discussion	
	10:30	10:50	Coffee Break and Informal Discussions	
	10:50	11:10	<i>The Importance of Being Opportunistic</i>	Bellan
	11:10	12:00	Identify Specific Viable Projects on Horizon	
	12:00	1:20	Lunch Break	Westwood
	1:20	1:50	Wrap-Up: The Future of Space Physics in the Laboratory	
	1:50	3:30	Follow-up Splinter Groups for new Projects/Collaborations	
	3:30		Workshop Adjourn	

PARTICIPANTS Bringing Space Down to Earth:
Exploring the Physics of Space Plasmas in the Laboratory

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