

## **DRAFT AGENDA**

### **Wednesday AM**

<b>Time</b>	<b>Presenter</b>	<b>Title</b>
9:00	J. L. Burch	Electron Diffusion Regions with MMS
9:30	M. Hesse	The Electron Diffusion Region for Asymmetric Guide Field Reconnection
9:45	L-J. Chen	How do properties of the electron diffusion region depend on the guide field?
10:00	N. Bessho	Electron distribution functions and waves in the electron diffusion region in asymmetric reconnection
10:15	L. Alm	Reconstructing the EDR of the October 16th Event in a 2D Parametric Space
10:30		Coffee Break
10:45	H. Hasegawa	Reconstruction of the electron diffusion region observed by MMS: First results
11:00	D. Graham	Electron distributions and wave activity associated with an electron diffusion region
11:15	G. Lapenta	Crescents and Reconnection
11:30	J. Egedal	Spacecraft observations of a Maxwell Demon coating the separatrix of asymmetric magnetic reconnection with crescent-shaped electron distributions
11:45		Lunch

**Wednesday PM**

<b>Time</b>	<b>Presenter</b>	<b>Title</b>
13:15	P. Pritchett	Particle-in-Cell Simulations of Asymmetric Reconnection and Implications for MMS Data Analysis
13:45	G. Toth	Global MHD with two-way coupled embedded PIC model
14:00	J. Dorelli	Kinetic Structure of the Subsolar Dayside Magnetopause under Northward IMF Conditions
14:15	M Swisdak	Three-dimensional Particle-in-cell Simulations of an MMS Observation of Guide Field Reconnection at the Magnetopause
14:30	A. Le	Enhanced Electron Heating and Mixing in a 3D Kinetic Simulation for MMS Magnetopause Crossings with Weak Guide Fields
14:45	A. Bhattacharjee	Global Extended MHD Simulations Including Kinetic Effects of MMS Reconnection Events
15:00	Y. Chen	MHD with embedded particle-in-cell (PIC) simulation of Earth's magnetopause reconnection
15:15		Coffee Break
15:30	Y-H. Liu	Suppression of collisionless magnetic reconnection in asymmetric current sheets
15:45	Y. Khotyaintsev	Electron jet of asymmetric reconnection and related electrostatic turbulence
16:00	J. Dargent	The role of the cold ion population on magnetic reconnection at the Earth magnetopause
16:15	J. Holmes	Cold electrons as the drivers of parallel, electrostatic waves in asymmetric reconnection
16:30	L. Price	The Effects of Turbulence on Three-Dimensional Magnetic Reconnection at the Magnetopause
16:45	H. Che	Anomalous resistivity and Kinetic Scale Magnetic Reconnection

### Thursday AM

<b>Time</b>	<b>Presenter</b>	<b>Title</b>
9:00	C. T. Russell	Force Balance at the Magnetopause
9:15	S. Fuselier	Magnetospheric Ion Contributions to Reconnection
9:30	I. Cohen	Observations of energetic particle escape at the magnetopause
9:45	B. Mauk	Species dependent leakage of energetic particles across Earth's magnetopause
10:00	C. Zhao	Flux Transfer Events
10:15	S. Smith	MMS FPI high resolution observations of ionospheric plasma in conjunction with FTEs
10:30	M. Zhou	Coalescence of macroscopic flux ropes at the subsolar magnetopause: MMS observations
10:45		Coffee break
11:00	T. Nakamura	Event study of vortex-index reconnection at the magnetopause using MMS observations and fully kinetic simulations
11:15	R. Ergun	Parallel Electric Fields in Guide Field Reconnection
11:30	D. Baker	A telescopic and microscopic examination of acceleration in the June 2015 geomagnetic storm: Magnetospheric Multiscale and Van Allen Probes study of substorm particle injection
11:45		Lunch

### Thursday PM

<b>Time</b>	<b>Presenter</b>	<b>Title</b>
13:15	R. Nakamura	Near-Earth dipolarization events observed by MMS and Geotail
13:30	H. Liang	Oxygen Ions in Magnetotail Reconnection
13:45	J. Birn	Plasma Sheet Beams: Simulations and MMS Observations
14:00	T. Moore	The Plasma Sheet Boundary Layer in MMS Observations and in Global Simulations
14:15	H. Spence	Exploring Potential Origins of EPD/FEEPS Electron Microinjection Signatures
14:30	S. Kavosi	Open GGCM simulation of Microinjections events observed by MMS/FEEPS
14:45	G. Poh	MMS Observations of Traveling Compression Regions in the Near-Tail Region
15:00		Coffee break
15:15	D. Turner	MMS and Van Allen Probes conjunction: Studying wave activity associated with energetic particle injections and substorms
15:30	F. Plaschke	Steepening of magnetopause surface waves: boundary motion, inclination, and thickness
15:45	A. Sturmer	Tripolar Magnetic Perturbations Generated by Parallel Electron Hall Currents in Kelvin-Helmholtz Waves
16:00	J. Berchem	Multiscale Kinetic Simulations of the Magnetopause
16:15	T. Leonard	Examination of Energetic Electron Acceleration in the Vicinity of Earth's Dayside Magnetopause with MMS
16:30	J. Webster	Constraining Magnetic Reconnection Characteristics with the Magnetospheric Multiscale (MMS) Mission
16:45	K-J. Hwang	MMS observations of the outer electron diffusion region

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<b>Time</b>	<b>Presenter</b>	<b>Title</b>
13:15	S. Schwartz	The anatomy of a young Hot Flow Anomaly at the Earth's bow shock
13:35	H. Y. Wei	Whistler Waves in the bow shock
13:55	K. Goodrich	MMS Observations of Parallel Electric Fields Associated with Bow Shocks
14:15	J. Westlake	MMS-EIS Observations of Energetic Ions at the Bow Shock
14:35	M. Oka	Electron acceleration at the Earth's quasi-perpendicular bow shock: MMS observation
14:55	A. Johlander/ S. Schwartz	Rippled quasi-perpendicular shock observed by MMS
15:15		Coffee Break
15:30	I. Gingell	Signatures of the ion Weibel instability in phase I quasi-perpendicular bow shock crossings
15:50	D. Mackler	Plasma Turbulence in Earth' s Magnetosheath Observed by the Magnetospheric Multiscale Mission on 12 January 2016
16:10	Z. Voros	Current sheets in the turbulent terrestrial magnetosheath
16:30	C. Chen	A New Type of Turbulence at Kinetic Scales in the Earth's Magnetosheath
16:50	J. Broll	Observations and simulations of specularly reflected He <sup>++</sup> at Earth's quasi perpendicular bow shock

### Friday AM

<b>Time</b>	<b>Presenter</b>	<b>Title</b>
9:00	G. Le	Global observations of high-m poloidal waves in the magnetosphere during the recovery phase of the June 2015 magnetic storm
9:20	J. Yoo	Laboratory experiments on magnetic reconnection in support of MMS
9:40	R. P. Sharma	Nonlinear effects associated with whistler wave in magnetic islands
10:00	S. Wang	Two-scale ion meandering caused by the polarization electric field during reconnection
10:20	F. Wilder	Interaction Between Whistler-mode and Electrostatic Waves at the Dayside Magnetopause
10:40		Coffee Break
11:00	J. Buechner	Electron distribution functions formed by component magnetic reconnection and self-generated turbulence
11:20	R. J. Strangeway	MMS Observations of Field-Aligned Currents at the Magnetopause
11:40		Lunch

### Friday PM

<b>Time</b>	<b>Presenter</b>	<b>Title</b>
13:00	P. Reiff	Using CCMC modeling for MMS context
13:15	L. Rastaetter	Models, tools and services at the CCMC in support of MMS
13:30	D. Gershman	Spectral Analysis of FPI data
13:45	A. Rager	Calculation of 7.5ms FPI Plasma Moments
14:00		Coffee Break
14:15	D. Newman	3D Visualization and Other Tools for Assessing the Anisotropic and Agyrotropic Structure of FPI Distributions
14:30	K. Bromund	In-Flight Calibration Methods for Temperature-Dependent Offsets in the MMS Fluxgate Magnetometers
14:45	K. Larsen	The MMS Science Data Center
15:00	R. McGuire	Access and Use of MMS Data through SPDF Services
15:15		
15:30		
16:00		Memorial – Maha Ashour-Abdalla

Dated: August 17, 2016