MMS Workshop, June 2018

Last name	First name	Abstract Title
2D OR 3D STRUCTURE		
Burch	Jim	Electron Scale Physics of Symmetric and Asymmetric Reconnection from MMS
Liu	YH	Orientation and stability of asymmetric magnetic reconnection x-line
Nakamura	Rumi	Current sheet structure and evolution of 20170711 EDR event
Nakamura	Takuma	Fully kinetic simulation of an EDR crossing event observed by MMS on 11 July 2017
Dogko	Kl	Multiple plasma wave modes in the magnetotail separatrix region on 17 July 2017
Genestreti	K.J.	How accurately can we measure the reconnection rate E_M for the MMS diffusion region event of 2017-07-11?
Drake	J.F.	A 3D Simulation of a MMS Magnetopause Reconnection Event with a strong guide field
Oiroset	Marit	Strongly driven magnetic reconnection with flux pileup at the interface of colliding jets at the magnetopause
Cozzani	G.	Diffusion region's structure at the subsolar magnetopause using
Tang	Binbin	MMS observations of electron crescent distributions at the flank magnetopause

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HEATING AND TURBULENCE		
Eastwood	J.P.	Guide field reconnection: exhaust structure and heating
Phan	T.D.	MMS Observations of Electron Magnetic Reconnection without Ion Coupling in the Turbulent Magnetosheath
Ergun	R.E.	Magnetic Reconnection, Turbulence, and Particle Acceleration
Hesse	Michael	The role of separatrix instabilities in heating the outflow region
Eriksson	Stefan	MMS Observations of Magnetic Reconnection Exhausts in the Solar Wind Associated with Tripolar Perturbations of the Out-of-Plane Magnetic Field
Holmes	Justin	Interior structure of strong electron phase-space holes
Goldman	M.	MULITBEAM ENERGY TRANSPORT
Norgren	Cecilia	Electron acceleration and thermalisation at magnetotail separatrices
Graham	D.B.	Large-amplitude high-frequency waves at Earth's magnetopause
Li	Wenya	Electron Bernstein Waves driven by electron crescents near the electron diffusion region
Eriksson	Elin	Electron energization at a reconnecting magnetosheath current sheet
Graham	D.B.	The role of lower hybrid waves in magnetic reconnection

HEAVY IONS

Tenfjord	Paul	How Oxygen Influences the Reconnection Rate
Toledo-Redondo	Sergio	Balance of the Ohm's Law under the presence of cold ions of ionospheric origin in
André	Mats	Cold ions at the magnetopause: Effects at various scales
Alm	Love	Influence of cold ions on magnetotail Hall physics

BROADER MMS RESEARCH

Strangeway	Robert	Field-Aligned Currents as Observed by Magnetospheric Multiscale
Russel/ Strangeway		The Case for Dust Comets Striking the Magnetosphere
Birn	Joachim	Particle acceleration in dipolarization fronts
Yamada	Masaaki	and laboratory plasmas
Fuselier	Stephen	High-speed jets downstream of the quasi-parallel bow shock
Le	G.	Poloidal and Toroidal Mode Field Line Resonances Observed by MMS
Schwartz	Stephen	Kinetic Aspects of a Hot Flow Anomaly: MMS Observations
Hoilijoki	Sanni	Observations of a small-scale flux rope-like structure next to an EDR at the dayside magnetopause
Choi	E.	Substructure of an ion-scale flux rope observed in the magnetotail on 17 July 2017
Choi	E.	PIC Simulation of Kelvin-Helmholtz instability at the Dayside Magnetosphere
Lavraud	Benoit	Four-spacecraft measurements of the size and dimensionality of magnetic structures
Hwang	K.-J.	Magnetotail reconnection following a flapping motion of the magnetotail on 17 July 2017
Stawarz	J.E.	Intense electric fields and electron-scale substructure within magnetotail flux ropes as
Denton	R.E.	Determining the velocity of a magnetic structure, with application to the 11 July 2017
Petrinec	S.M.	On the Occurrence of Magnetic Reconnection Along the Dawn and Dusk Magnetopause

ADVANCED ANALYSIS METHODS

Cassak	Paul	Kinetic Entropy as a Diagnostic in Particle-in-Cell Simulations of Magnetic Reconnection
Shuster	Jason	Resolving Terms of the Vlasov Equation with MMS
Escoubet	C. Philippe	Cluster MMS conjunctions tail 2018 and Cluster constellation 2019
Toth	Gabor	Studying reconnection in Earth's magnetosphere using a global MHD with embedded PIC
Paterson	William	Tuning Magnetospheric Multiscale's Automated Burst System
Reiff	Patricia	Using CCMC Modeling as Context for MMS Events
Grimes	Eric	MMS plug-ins for SPEDAS