

## AGENDA

SUNDAY, JULY 3		
02:00PM-08:00PM	Registration	
06:00PM-09:00PM	Welcome Reception	
MONDAY, JULY 4		
CHAIR: Lu, Quanming		
8:00 AM-8:10 AM	Lin, Jun	Welcome & Orientation
8:10 AM-9:10 AM	Forbes, Terry	MHD reconnection theory and applications to the solar atmosphere
9:10 AM-9:40 AM	Hao, Jinhua	Magnetic reconnection in three-dimensional MHD Taylor-Green flows
9:40 AM-10:10 AM	Dai, Lei	The Kinetic Alfven Eigenmode interpretation of the Hall Currents/fields in magnetic reconnection
10:10 AM-10:25 AM	Morning Break	
CHAIR: Low, B. C.		
10:25 AM-10:55 AM	Liu, Yong C.-M.	Interchange reconnection and origin of the slow solar wind
10:55 AM-11:25 AM	Zhang, Hui	Locations of magnetopause magnetic reconnection: The role of magnetosheath plasma pressure
11:25 AM-11:55 AM	Yang, Zhongwei	Multiple X line reconnections triggered by a collisionless shock in the multiple current sheet systems
12:00 PM-2:00 PM	Lunch Break	
CHAIR: Zhang, Hui		
2:00 PM-3:00PM	Low, B. C.	What is the hydromagnetic nature of solar quiescent prominences?
3:00 PM-3:30 PM	Cheng, Xin	Three-dimensional magnetic topology and reconnection in a solar eruption
3:30 PM-4:00 PM	Huang, Zhenghua	Explosive events associated with small-scaled loop brightenings: signatures of magnetic reconnection in the transition region
4:00 PM-4:15 PM	Afternoon Break	
CHAIR: Fu, Huishan		
4:15 PM-4:45PM	Ma, Zhiwei	Anomalous resistivity in collisionless magnetic reconnection
4:45 PM-5:15 PM	Wu, Mingyu	Electron acceleration behind the depolarization front driven by magnetic reconnection
5:15 PM-5:45 PM	Li, Leping	Magnetic reconnection between a solar filament and nearby coronal

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		loops
SESSION ADJOURNS		
TUESDAY, JULY 5		
CHAIR: Daughton, William		
8:00 AM-9:00 AM	Drake, James	Plasma heating and particle acceleration during magnetic reconnection
9:00 AM-9:30 AM	Zhu, Bojing	The role of turbulence on particle acceleration in the magnetic reconnection –Evidence from HPC HPIC virtual test
9:30 AM-10:00 AM	Olshevsky, Vyacheslav	Magnetic nulls in PIC simulations of space plasmas
10:00 AM-10:15 AM	Morning Break	
CHAIR: Markidis, Stefano		
10:15 AM-11:15 AM	Li, Hui (LANL)	The critical role of current sheets in solar and astrophysical particle acceleration
11:15 AM-11:45 AM	He, Jiansen	Contact Transition Layer and Associated Ion Kinetics in Asymmetric Magnetic Reconnection of Solar Wind
11:45 AM-12:15 PM	Lu, Quanming	Secondary reconnection in outflow region of magnetic reconnection
12:30 PM-2:00 PM	Lunch Break	
CHAIR: Khotyaintsev, Yuri		
2:00 PM – 3:00 PM	Daughton, William	Three-Dimensional Dynamics of Magnetic Reconnection in Kinetic Regimes
3:00 PM-3:30 PM	Divin, Andrey	Three-scale structure of diffusion region in the presence of cold ions
3:30 PM-4:00 PM	Fujimoto, Keizo	3D dynamics of the reconnection layer in anti-parallel configuration
4:00 PM-4:15 PM	Afternoon Break	
CHAIR: Yu, Tongpu		
4:15 PM-5:15 PM	Markidis, Stefano	Magnetic reconnection from IPIC3D simulations
5:15 PM-5:45 PM	Yang, Liping	Excitation of magnetosonic waves by plasmoid ejections in the solar corona
SESSION ADJOURNS		
6:00PM-9:00PM	Conference Dinner	

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WEDNESDAY, JULY 6		
CHAIR: Li, Hui (LANL)		
8:00 AM-9:00 AM	Birn, Joachim	Basics of magnetic reconnection and applications to the terrestrial magnetotail
9:00 AM-9:30 AM	Fu, Huishan	Magnetic reconnection dynamics revealed from the FOTE method: initial MMS results
9:30 AM-10:00 AM	Xie, Jinlin	New facility for reconnection in lab plasma
10:00 AM-10:15 AM	Morning Break	
CHAIR: Birn, Joachim		
10:15 AM-10:45 AM	Huang, Shiyong	Two types of whistler waves in the reconnection diffusion region
10:45 AM-11:15 AM	Li, Wenya	Kinetic evidence of magnetic reconnection due to Kelvin-Helmholtz wave
11:15 AM-11:45 AM	Tian, Chunlin	Numerical simulation of coronal mass ejection: the hydrodynamic of reconnected plasma
12:00 PM-2:00 PM	Lunch Break	
Afternoon Session: Open discussions		
SESSION ADJOURNS		

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THURSDAY, JULY 7		
CHAIR: Drake, James		
8:00 AM-9:00 AM	Khotyaintsev, Yuri	Kinetic structure of reconnection separatrix region
9:00 AM-9:30 AM	Zhang, Qinghe	Observations of the stepping heating processes of cold ions in the reconnection layer at the dayside magnetopause
9:30 AM-10:00 AM	Zhou, Xuzhi	Ion behavior and distributions near the reconnection separatrices
10:00 AM-10:15 AM	Morning Break	
CHAIR: Ji, Hantao		
10:15 AM-10:45 AM	Wang, Rongsheng	Electron jets detected during magnetopause reconnection by MMS
10:45 AM-11:15 AM	Wu, Dejin	Chaos-induced resistivity of collisionless magnetic reconnection in the presence of a guide field
11:15 AM-11:45 AM	Zhang, Yongcun	Distinct characteristics of asymmetric magnetic reconnections: Observational results from the exhaust region at the dayside magnetopause
11:45 AM-12:15 PM	Drake, James	3D Reconnection at the Magnetopause Relevant to MMS
12:15 PM-2:00 PM	Lunch Break	
CHAIR: Chen, Pengfei		
2:00 PM – 3:00 PM	Ji, Hantao	Frontiers for laboratory study of magnetic reconnection relevant to helio and astrophysics
3:00 PM-3:30 PM	Yu, Tongpu	Ultra-intense laser-driven particle acceleration, radiation, and paris generation for astrophysical research
3:30 PM-4:00 PM	Li, Hui (NSSC)	Sun-ward propagating Alfven fluctuations observed in the heliosphere
4:00 PM-6:00 PM	Afternoon Break and Poster Session	
SESSION ADJOURNS		

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FRIDAY, JULY 8		
CHAIR: Ma, Zhiwei		
8:00 AM-9:00 AM	Zhong, Jiayong	Low beta magnetic reconnection experiments with intense lasers
9:00 AM-9:30 AM	Wang, Tieyan	Compressible turbulence with slow-mode waves observed in the magnetotail flow burst
9:30 AM-10:00 AM	Zhu, Changbo	Observations of the motion of X line on the dayside magnetopause
10:00 AM-10:15 AM	Morning Break	
CHAIR: Forbes, Terry		
10:15 AM-11:15 AM	Lazarian, Alexandre	Turbulent Reconnection
11:15 AM-11:45 AM	Tao, Jiawei	Quiet-Time Suprathermal (~0.1-1.5 keV) Electrons in the Solar Wind
11:45 AM-12:15 PM	Chen, Pengfei	Magnetic Reconnection and Waves
12:15 PM-2:00 PM	Lunch Break	
2:00 PM-6:00 PM	Poster Session	
SESSION ADJOURNS		

<b>SATURDAY, JULY 9</b>		
<b>CHAIR: Xu, Jun</b>		
9:00 AM-6:00 PM	Lin, Jun	<b>Visit to Fuxian Lake Solar Observatory, including one-hour introduction to the Observatory</b>

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SUNDAY, JULY 10		
CHAIR: Zhong, Jiayong		
8:00 AM-9:00 AM	Low, B. C.	What is magnetic helicity in ideal and near ideal MHD?
9:00 AM-9:30 AM	Lin, Jun	The CME-Flare current sheet predicted by the theory and observed in the eruptive events
9:30 AM-10:00 AM	Morning Break	
CHAIR: Fujimoto, Keizo		
10:00 AM-10:30 AM	Ni, Lei	Magnetic Reconnection in solar chromosphere mediated by the plasmoid instability
10:30 AM-11:00 AM	Yan, Xiaoli	Imaging and simulation on small-scale magnetic reconnection in a filament eruption
11:00 AM-11:30 AM	Mao, Jirong	A Simple Review of Collisionless Magnetic Reconnection and Plasma Instabilities for High-energy Astrophysics
11:30 AM-2:00 PM	Lunch Break	
CHAIR: Wu, Dejin		
2:00 PM - 3:00 PM	Forbes, Terry	New Insights into Petschek Reconnection
3:00 PM-3:30 PM	Sun, Jichen	Interaction between magnetosonic waves and radiation belt electrons: Particle-in-cell simulations
3:30 PM-4:00 PM	Hao, Yufei	Ion dynamics at a quasi-parallel-parallel shock: 2D hybrid simulations
4:00 PM-4:15 PM	Afternoon Break	
CHAIR: Lin, Jun		
4:15 PM-6:00 PM	Open Session	