



Tuesday

Poster Id Presenter Name

Poster Title

COMP: Comparative Planetary Magnetospheric Processes

1	Aaron West	Nonlinear Alfvénic Filamentation: A Multifluid Analysis
2	Chi	Role of ULF Waves in Reforming the Martian Bow Shock
3	Donglai Ma	Lunar Wake Plasma Refilling: 2D Particle-in-cells simulation
4	Erika Hathaway	Interchange Instability Injections Events: Understanding Transport in Saturn: Inner Magnetosphere using Particle and Wave Data
5	Jaya Joseph	High Frequency Plasma Waves at Planetary Bow Shocks: Past, Present & Future.
6	Jiawei Gao	Current Systems in the Venusian Magnetosphere and Ionosphere: A Comparison with Mars
7	Long Le	Impact of Ganymede on the Dynamics of Particles and Plasma Waves
8	Nii-Boi Quartey	Rotational Influence on the Martian Magnetotail Current Sheet: A Multispecies MHD Study
9	Yilan Qin	Classification of Martian Magnetospheric Boundaries Using MAVEN Data

CP: The Impact of the Cold Plasma in Magnetospheric Physics

10	Chih-Ping Wang	Enhancement of suprathermal outflows in the lobe: Cluster observation and global hybrid simulation
11	Chih-Ping Wang	Dispersive field-aligned warm ions from the ionosphere driven by magnetopause disturbances
12	Niloufar Nowrouzi	Altitude Dependence of Dayside-Cusp O ⁺ Outflow Before and During Geomagnetic Storms
13	Opal Issan	Whistler wave damping via cold electron drift-driven secondary instabilities
14	Tyler Bishop	Studying the Evolution of Density Structures in the Plasmasphere Using Joint Van Allen Probe Observations
15	Xiangning Chu	Characteristics of plasmaspheric dynamics studied using machine learning models

GIC: Understanding the causes of geomagnetic disturbances in geospace for hazard analysis on geomagnetically induced currents

16	Amy Rewoldt	Impact of Earth: Weakening Magnetic Field on Geomagnetic Storm Response
17	Lucas Jia	Imbalanced Regression Artificial Neural Network Model for Auroral Electrojet Indices (IRANNA): Can We Predict Strong Events?
18	Lucy Wilkerson	GIC-Related Observations During the May 2024 Geomagnetic Storm in the United States
19	Raman Mukundan	Towards an Interpretable Machine Learning Model of Localized Geomagnetic Disturbances in Terms of Solar Wind and M-I Processes
20	Sanjay Kumar	Characterizing Geomagnetic Disturbances During the Expansion Phase of Strong Substorms

KiTS: Kinetic Plasma Processes in the MagnetoTail during Substorm Dynamics

21	Homa Yazdi Karimi	Energy-Dependent Spatial Distribution of Substorm-Time Proton Injections in the Inner Magnetosphere
22	Shan Wang	Trials on decoding convection from substorm processes with MLT patterns of SMU-SML indices
23	Weiqin Sun	Substorm Magnetotail Dynamics at Low Altitudes: Insights from ELFIN and CIRBE Observations with RCM Simulations

MDT: Multiscale Dayside Transients and their Effect on Earth's Magnetosphere

24	Kun Zhang	Properties of solar wind discontinuities across Earth's bow shock: ARTEMIS observations
25	Peter Damiano	Dispersive Alfvén wave driven electron energization in the cusp
26	Runyi Liu	Ion Acoustic Waves in Earth Foreshock Transients: Case Study on Wave Excitation and Electron Heating
27	Taylor Whitney Aegerter	Spatial Extent of EMIC Waves in Earth's Magnetosphere during Geomagnetic Storms
28	Youra Shin	Magnetospheric and Ionospheric Responses to Small-scale Magnetic Flux Ropes (SMFRs) in the Solar Wind

MESO: Mesoscale drivers of the nightside transition region: ionospheric and magnetotail evaluations

29	Katherine Davidson	Understanding the Influence of Mesoscale Ionospheric Flows on Auroral Phenomena
30	Kosuke Kawakami	The Role of Nonlinear Ampere Force for IAR Density Structure Evolution
31	Lillian Daneshmand	ULF Wave Modulation of Lower-Band Chorus During Pulsating Aurora Events
32	Richard Gorby	Following Ions From the Magnetotail to the Inner Magnetosphere
33	Taeho Lim	Ion Cross-Calibration of FAST/TEAMS, Cluster/CODIF, MMS/HPCA, Van Allen Probes/HOPE, and ARASE/LEP-i
34	Yangyang Shen	Streamer-like red line diffuse auroras driven by time domain structures and ECH waves

MPEC: Magnetospheric Sources of Particle Precipitation and Their Role on Electrodynamical Coupling of Magnetosphere-Ionosphere-Thermosphere Systems

35	James Cannon	First results from the October 10-11 Geomagnetic Storm as seen by the Array for VLF Imaging of the D-region (AVID)
36	Jenna Burgett	Modeling High Altitude Neutral Upwelling Observed by the SCIFER-2 Rocket
37	Jingxuan Li	Exploring Microburst-Whistler Chorus Relationship with BARREL and Van Allen Probes: A case study on January 26, 2013
38	Jodie McLennan	Validating an Energy Flux Inversion Method with Satellite Data during Pulsating Aurora Events
39	JORGE ROMERO-MINAYA	Observational analysis on the relationship between Chorus waves and MeV electron precipitation
40	Kawther Rouabhi	Classification of auroral precipitation types from multispectral FUV satellite imagery
41	Longzhi Gan	Electron Precipitation Caused by Intense Chorus Waves and the Corresponding Inhomogeneity Ratio
42	Luisa Capannolo	A novel Machine learning technique to Parameterize Energetic Electron maps (AMPERE)
43	Nicholas Bartel	Field-Aligned Current Hemispheric Asymmetries Determined From AMPERE Iridium Magnetometer Data
44	Tuija Pulkkinen	NASA SWORD Center: From Solar Wind to the Surface
46	Xiaolei Li	Global Hybrid Simulation of Magnetosphere under High Solar Wind Dynamic Pressure during Strong Geomagnetic Storms: Dayside reconnection, Convection and Ions Precipitation
62	Christine Gabrielse	Mesoscale Contributions to Auroral Energy Deposition and Conductance During the 2013 St. Patrick: Day Storm
104	Shannon Hill	Theta aurora linked to folded magnetotail neutral sheet

Not related to any focus group

47	Xi Lu	Electrostatic waves in interplanetary shocks
48	Andrea Minot	Inferring energy information of pulsating aurora events by using THEMIS ASI and NORSTAR MSP data
49	Brianna Isola	ML-IMEF: A Data-Driven Model of the Inner Magnetospheric Electric Field and Potential