Tuesday

Poster Id	Presenter Name	Poster Title
		Not related to any focus group
50	Brianna Maze	Advancing Solar Wind Forecasting: A Comparative Overview of Empirical, Physics-Based, and ML Methods
51	Dominique Stumbaugh	Reconstructing Equatorial Electron Flux Measurements from LEO
52	Eun-Hwa Kim	Prediction of the Wave Normal Angle of Proton-Band EMIC Waves near Geosynchronous Orbit
53	Jonathan Mellina	Investigating Tidal Effects in Earth's Plasmasphere Using a Machine Learning Model
54	Misty Chien	Inward Transport of Radiation Belt Electrons as Measured by CIRBE/REPTile-2 During the Geomagnetic Storm of 5 November 2023
55	Oleksandr Chapurin	Whistler wave generation mediated by a plasma contactor
56	Paraksh Vankawala	A Computer Vision Guided Analysis of Plasma Waves in the Inner Magnetosphere
57	Poshan Belbase	Estimating historical solar indexes for predicting past space weather events.
58	Robert Albarran	Active Spacecraft-Plasma Interaction Experiments with ELF/VLF Transmission
59	Sandeep Kumar	The storm time ring current ions and electron pressure variation during CIR-and ICME-driven storms observed by Arase satellite
60	Stephanie Col√≥n Rodr√≠guez	Analysis of Solar Wind Heavies, He2+, and H+ in the Magnetosphere and its Separation into Solar Wind and Ionospheric Origin
61	Wen Li	Your Action Is Critical to Advocate Space Physics
103	Anansa Keaton-Ashanti	Statistical Study of Ion Acceleration Efficiency at Quasi-Parallel Bow Shock Crossings
		RBSoS: Radiation Belts as a System of Systems
63	Christine Gabrielse	The Relativistic Electron Magnetic Spectrometer (REMS) Instrument
64	Declan O'Brien	High-Energy-Resolution Relativistic Electron Measurements Reveal Fine Structure of Radiation Belt Dynamics
65	Hong Zhao	A Summary of the 2024 GEM Radiation Belt Focus Group Open Discussion
66	Liheng Zheng	The Advective Fokker-Planck Equation and Its Application to Electron Nonlinear Interactions with Magnetosonic Waves
67	Maulik Patel	MHD-Test Particle Simulation of Radiation Belt Elections during the 10 May 2024 superstorm
68	Miroslav Hanzelka	Developing realistic estimates of nonlinear electron acceleration in radiation belts
69	Murong Qin	Simulating the injection of ring current protons during the 10 May 2024 CME shock
70	Ning Kang	Modelling the Relativistic Electron Lifetime Due to Chorus Wave Driven Microbursts
71	Rui Chen	Observational Evidence for the Nonlinear Growth of Chorus Waves Caused by Substorm Injected Energetic Electrons
72	Suhail	Multifrequency Diffusive ULF Wave-Particle Interaction in the Radiation Belts
73	Sung Jun Noh	A Machine Learning-Based Probabilistic Model for Global EMIC Wave Activity
74	Wesley Martin	An Analysis of Solar Energetic Particle Events Using Proton Measurements from REPTile-2 on CIRBE
75	Will Teague	Developing HERT: From Spherical Cap to Spherical Particle Source Using Geant4 Simulations
76	Yang Mei	Unlocking Atmospheric Impacts on Inner Radiation Belt Electrons with CIRBE: Low-Earth Orbit Insights
77	Yi-Ting Chen	Machine Learning Techniques to Reveal the Relationship Between Solar Wind and Electron Precipitation
78	Yihui Tong	Global MHD and Test-Particle simulations of outer radiation belt flux drop-out events
79	Zheng Xiang	Energetic Electron Precipitation Measured by CIRBE/REPTile-2 and Implications for Wave-Particle Interactions
80	Zhi-Gu Li	Bounce-Averaged Atmospheric Backscatter Effects Estimated using G4EPP Monte Carlo Simulation
81	Ziye Zhang	The Formation of Reversed Energy Spectrum in the Radiation Belts: Insights from CIRBE/REPTile-2 Measurements
		RX: Magnetic Reconnection: The Key to Understanding Earth's Space Environment
82	Alexandra Abova-Volkova	Particle-in-Cell Study of Ion and Electron Heating in Asymmetric Magnetic Reconnection
83	Audrey Robison	Magnetic Ground Based Signatures of Poleward Moving Auroral Forms
84	Carlos Agustin Giai	The Suppression of the Outflow Speed in High Œ≤, Strong Guide Field Reconnection
85	Fekireselassie Beyene	Multiple VNERX events observed during a magnetic storm's main phase
86	George B. Hospodarsky	The Tandem Reconnection and Cusp Electrodynamics Reconnaissance Satellites (TRACERS) Mission
87	Hanieh Karimi	Energy Conversion in Turbulence Using Kinetic and Relative Entropy
88	Jonathan Ng	3D electron and ion-scale reconnection at the quasi-parallel shock
89	Krishna Khanal	Transient suppression of magnetopause reconnection in the presence of dense plasmaspheric plume
90	Matti Ala-Lahti	Determining the Magnetospheric Response to Solar Wind Magnetic Field Fluctuations
91	Nitya Agarwala	Investigating Electron Energizations in Ion-scale Flux Rope Chain in Turbulent Plasma
		SCIMM: Self-Consistent Inner Magnetospheric Modeling
92	Ilya Kuzichev	PIC Simulations of Whistler Wave Generation at Injections
93	Qiushuo Wang	Modeling Ring Current Oxygen Ions Using Neural Network
94	Qusai Al Shidi	An Orthogonal Autoencoder Neural Network for Reduced Order Probabilistic Emulation of RAM-SCB
95	Shujie Gu	Energetic electron nonlinear interactions with oblique whistler-mode chorus waves
96	Tomotsugu Yamakawa	Excitation of Pc5 waves in the inner magnetosphere during the magnetic storm on 22 July 2009
97	Wenyao Gu	Chorus Wave Observations with Wavelength-scale Density Irregularities
98	William Ryan	A New First-Principles Approach to Predict the Saturation of the Electron Whistler Anisotropy Instability in High Beta Plasmas
99	Xiao-Chen SHen	Global Evolution of Hiss Waves During Substorms Observed by the Van Allen Probes
100	Xu Chen	Parametric Study of Rising-Tone Chorus Wave Excitation in the Earth: Inner Magnetosphere
101	Xueyi Wang	Electron Precipitation driven by Chorus Wave in the Earth: inner magnetosphere
102	Yiwen Zhu	O+ from Earth's cusp to the inner magnetosphere: path and acceleration mechanisms