# Tuesday


| Poster Id | Presenter Name | Poster Title |
|---|---|---|
| **Inner MAGnetosphere (IMAG)** | | |
| 53 | Xiaofei Shi | Properties of Intense Electromagnetic Ion Cyclotron Waves: Implications for Nonlinear and Nonresonant Wave-Particle Interactions |
| 54 | Julia Himmelsbach | Proton Ring Current Modelling with VERB-4D |
| 55 | Zhi Gu Li | Quantifying the Contribution of Precipitation Loss to the Radiation Belt Dropout Observed by Van Allen Probes |
| 56 | SANGYUN LEE | Quantifying the uncertainty in global radiation belt modeling from radial diffusion |
| 57 | Alexandra Wold | Modeling lightning generated whistler energy from GLD360 to the Van Allen Probes |
| 58 | Dmitri Kondrashov | Reconstruction of Electron Radiation Belts Using Data Assimilation and Machine Learning |
| 59 | Alfredo A. Cruz | Reduced-Order Probabilistic Emulation of the Ring Current |
| 60 | Stephanie Wang | Ring current ion decay timescales derived from Van Allen Probe observations |
| 61 | Jinxing Li | Ring Current Modeling Using Long Short-Term Memory Neural Network |
| 62 | Wyatt Wetzel | Scale Sizes of Bouncing Microbursts |
| 63 | Kyungguk Min | Simultaneous observations of high-frequency EMIC waves, magnetosonic waves, and anisotropic low-energy protons: Does correlation mean causation? |
| 64 | Christian Keenan | Statistics of the Energetic (>30keV) Electron Population in the Ring Current Region |
| 65 | Jorge Romero | Design and Testing for a dual aperture relativistic electron telescope for CubeSats to measure energy deposition in the atmosphere |
| 66 | Eric Engel | The Energy Spectra of Electron Microbursts and Their Source Population |
| 67 | Chi Zhang | The role of neutral dynamics in the decay of ring current |
| 68 | Miroslav Hanzelka | Two-dimensional full-wave simulations of ducted and unducted EMIC wave propagation in a cold plasma |
| 69 | Rosalie Tezak | ULF wave power distribution in Earth's radiation belts |
| 70 | David Hartley | Whistler-mode chorus waves: Electric field measurements and the impact of sheath effects |
| **Magnetosphere - Ionosphere Coupling (MIC)** | | |
| 71 | Alex Shaffer | A 3D Visual Reconstruction of Ionospheric Plasma Outflow |
| 72 | Jeremiah W. Johnson | Aurora Detection and Classification in THEMIS All-Sky Images via Self-Supervised Semi-Supervised Learning |
| 73 | Jesus Perez | Comparison of Electric Dipole and Loop Antenna Impedance and whistler wave generation efficiency |
| 74 | Drew Coffin | Coupling the Europa Plasma Environment to Jupiter |
| 75 | Vivian Cribb | Dawnside storm-time wedge current systems and their relation to mesoscale auroral and magnetospheric dynamics |
| 76 | Matthew Blandin | Developing a Global Matrix of Solar Wind Driven and Latitude Dependent Machine Learned Models for Geomagnetic Field Predictions |
| 77 | Jodie McLennan | Energy Content of Pulsating Aurora Considering Different Atmospheric Models |
| 78 | CHIH-PING WANG | Energy-dispersive field-aligned warm ion enhancement in the plasma sheet during a substorm growth phase: A THEMIS event |
| 79 | Dibyendu Sur | Evaluation of the Performance of WAM-IPE Model during the Geomagnetic Storm of November 20, 2003 |
| 80 | Gabrielle Nowak | Exploring Interhemispheric Differences in Geomagnetic Perturbations |
| 81 | Niharika Godbole | First Flight and Redesign of the Thermal Ion Gated Time of Flight (TIGTOF) |
| 82 | Justin James Tyska | GAIM driven by different empirical models: comparisons of low latitude limiting H+ flux |
| 83 | Dillon Gillespie | Global Mapping of Diffuse Electron Aurora and Ionospheric Conductance from Electron Cyclotron Harmonic Waves. |
| 84 | Shannon Hill | High-altitude sources of theta aurora |
| 85 | Yining Shi | Interhemispheric Asymmetries in Large Magnetic Field Residuals between Swarm Observations and Earth Magnetic Field Model during Non-storm Times |
| 86 | Nicholas Bartel | Interhemispheric Asymmetry of Field-Aligned Currents Determined by Principal Component Analysis of AMPERE-Iridium NEXT Magnetometer Data |
| 87 | Jenna Burgett | Investigating Neutral Upwelling in the Cusp With the 3U Cubed Satellite |
| 88 | Grant Berland | Kinetic Modeling of Radiation Belt Electrons with GEANT4 to Study Energetic Particle Precipitation in Earth's Atmosphere |
| 89 | Khilav Majmudar | Nonlinear modelling of auroral zone dynamics under the long-thin approximation |
| 90 | mayowa adewuyi | Observation of Magnetotail Structure in Comparison to the Substorm Current Wedge |
| 91 | Jose P. Marchezi | On the effects of the solar wind structure in the global distribution of dB/dt spikes during geomagnetic storms from 1995 to 2021 |
| 92 | Benjamin Hogan | On the loss of ultrarelativistic (>MeV) electron loss at L* = 3.5 |
| 93 | Shanshan Bao | Post-sunset ionospheric electron density depletion from low to high latitudes: MAGE simulation of Sept 2017 Storm |
| 94 | Richard Gorby | Resurrected IMAGE MENA data for M-I comparisons with FUV data |
| 95 | Homayon Aryan | Statistical Analysis of the Auroral Streamer Current Wedge |
| 96 | Moe Hayashi | Statistical study of electromagnetic response from polar to mid-low latitudes during substorms |
| 97 | Riley Troyer | Substorm Driven Chorus Waves: Decay Timescales and Implications for Pulsating Aurora |
| 98 | Aaron West | The Field Line Resonances of Earth and Jupiter |
| 99 | Anna DeJong | The Geospace Dynamics Constellation (GDC) Mission: Exploring Magnetosphere-Ionosphere Coupling |
| 100 | Kaitlin Doublestein | The Impact of Single Fluid and Multifluid MHD on Ion Outflow: An Inner Boundary Condition Sensitivity Study |
| 101 | Xin Cao | The Response of Ionospheric Currents to External Drivers Investigated Using a Neural Network-Based Model |
| **Other** | | |
| 102 | Mei-Yun Lin | HUG Initiative: The Design and Assessment of an Initiative to Support Students in Research |
| 103 | Hsinju Chen | Old Dog New Tricks: Ion Composition Variation over Various Environmental Conditions in OGO 6 Observation Data |