

Poster Number	Presenting Author (** Student Poster)	Affiliation	Title	Working Groups	Sessions
001	Tyler Eddy**	University of Michigan	Calibration of the Heavy Ion Sensor 3D Velocity Distribution Functions	Other	Session 03. New insights into particle access and transport in the inner heliosphere Session 15. Modern approaches in particle kinetics: bridging observations reconstructions and simulations throughout the heliosphere Session 21. [TOWN HALL] Instrumentation Necessary for a Future LWS Solar Polar Orbiter Mission Student Poster
002	Hafijul Islam	University of New Hampshire	IBEX Observations of Elastic Scattering of Interstellar Helium by Solar Wind Particles	Other	Session 04. Pickup ions electrons and energetic neutral atoms in the heliosphere and local interstellar medium
003	Qin Li	New Jersey Institute of Technology	Solving the Milne-Eddington Inversion with Physics-Informed Neural Networks for BBSO/NIRIS 1.56 μ m Spectropolarimetric Observations	Other	Session 12. Intertwining Physics-Based Simulations and Machine Learning in Heliophysics: How Can We Do It and Why Do We Need It?
004	Malcolm Colson**	University of New Hampshire	Exploring the Cosmic Ray and Cloud Connection through PCA	Other	Session 20. Neutron Monitors and Space Weather Student Poster
005	Fallon Konow**	Georgia State University; University of Rome Tor Vergata	GATES: A New Network for Synoptic Space Weather Observation	Other	Student Poster
006	Mei Ablter	Space Science Institute & UCLA	Initial Characterization of a Novel Hall-Driven Alfvén Wave Interaction as an Energy Transfer Mechanism in Imbalanced Environments	Other	
007	Robert Allen	Southwest Research Institute	The AGU Space Physics and Astronomy (SPA) Early Career Leadership Advisory Committee	Other	
008	Subhamoy Chatterjee	Southwest Research Institute	Deep Generative model that uses physical quantities to generate and retrieve solar magnetic active regions	Other	
009	Dominic Payne	University of Michigan, University of Maryland	Thermodynamics of Shear Equilibration During Magnetic Reconnection Onset in Mixed Equilibrium Current Sheets	WG1: Solar (including interior) and coronal	Session 01. Entropy and its role in space plasmas Session 02. Turbulence reconnection shock and particle energization
010	Aidan Nakhleh**	University of Michigan	Production of Solar Wind Entropy Variability in the Corona	WG1: Solar (including interior) and coronal	Session 01. Entropy and its role in space plasmas Student Poster
011	Reetika Joshi	NASA GSFC	Generic low-atmosphere signatures of swirled-anemone jets	WG1: Solar (including interior) and coronal	Session 02. Turbulence reconnection shock and particle energization
012	Gilly	Southwest Research Institute	Seeking Waves and Flows in the Corona using DKIST Cryo-NIRSP Observations	WG1: Solar (including interior) and coronal	Session 02. Turbulence reconnection shock and particle energization Session 07. What we know about the solar Alfvén surface in the era of "Touching the Sun" Session 08. Micro- Meso- and Macro-: Relating the Full Spectrum of Scale Sizes in Remote-Sensing Imaging and Coronal/Heliospheric Models Session 15. Modern approaches in particle kinetics: bridging observations reconstructions and simulations throughout the heliosphere Session 20. Neutron Monitors and Space Weather
013	Syed Ayaz**	University of Alabama in Huntsville (UAH), Department of Space Science	Solar Coronal Heating and Particle Acceleration by Kinetic Alfvén Waves in Non-Maxwellian Coronal Plasma	WG1: Solar (including interior) and coronal	Session 02. Turbulence reconnection shock and particle energization Session 07. What we know about the solar Alfvén surface in the era of "Touching the Sun" Student Poster
014	Bibhuti Kumar Jha	Southwest Research Institute (SwRI)	Multipoint and Multi-scale observation of Magnetic Reconnection from SDO/AIA and Solar Orbiter	WG1: Solar (including interior) and coronal	Session 06. Multispacecraft new era: novel multipoint & multiscale techniques
015	Mehmet Sarp Yalim	The University of Alabama in Huntsville	A Comparative Study of Heating of a Sunspot Light Bridge by Cowling Heating: Analysis Using NASA/IRIS and DST/IBIS Data	WG1: Solar (including interior) and coronal	Session 06. Multispacecraft new era: novel multipoint & multiscale techniques
016	Cynthia López-Portela	NASA-UMBC	Deprojected Morphology of Blobs and Their Origin Sites	WG1: Solar (including interior) and coronal	Session 06. Multispacecraft new era: novel multipoint & multiscale techniques Session 08. Micro- Meso- and Macro-: Relating the Full Spectrum of Scale Sizes in Remote-Sensing Imaging and Coronal/Heliospheric Models
017	Yuliang Ding**	UCLA	Solar Wind Evolution during Fast Radial Scan of Parker Solar Probe Inner Structure of CMEs: Insights from SoloHI observations and CORHEL-CME simulations	WG1: Solar (including interior) and coronal	Session 07. What we know about the solar Alfvén surface in the era of "Touching the Sun" Student Poster
018	Abril Sahade	NASA-GSFC		WG1: Solar (including interior) and coronal	Session 08. Micro- Meso- and Macro-: Relating the Full Spectrum of Scale Sizes in Remote-Sensing Imaging and Coronal/Heliospheric Models

019	Caroline Evans	Department of Astrophysical and Planetary Sciences, University of Colorado Boulder; Cooperative Institute for Research in Environmental Sciences; National Solar Observatory	Coronal Heating and Open Flux	WG1: Solar (including interior) and coronal	Session 08. Micro- Meso- and Macro-: Relating the Full Spectrum of Scale Sizes in Remote-Sensing Imaging and Coronal/Heliospheric Models Session 09. Moving Towards a Unified Perspective on Coronal Hole Boundaries
020	Christina Kay	JHU APL	Using the CORSET Catalog to Derive STEREO CME Masses and Directions	WG1: Solar (including interior) and coronal	Session 08. Micro- Meso- and Macro-: Relating the Full Spectrum of Scale Sizes in Remote-Sensing Imaging and Coronal/Heliospheric Models Session 11. Enhancing CME modeling in the new solar missions era: Current challenges and future directions Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models
021	Chunhui Xu**	New Jersey Institute of Technology	Spatial-Temporal Super-Resolution of SOHO and SDO Observations via Deep Learning	WG1: Solar (including interior) and coronal	Session 08. Micro- Meso- and Macro-: Relating the Full Spectrum of Scale Sizes in Remote-Sensing Imaging and Coronal/Heliospheric Models Session 12. Intertwining Physics-Based Simulations and Machine Learning in Heliophysics: How Can We Do It and Why Do We Need It? Student Poster
022	Emily Mason	Predictive Science Inc.	Quantifying Coronal Hole Boundary Dilation in Extreme Ultraviolet Synoptic Maps	WG1: Solar (including interior) and coronal	Session 09. Moving Towards a Unified Perspective on Coronal Hole Boundaries
023	Zhenguang Huang	University of Michigan	The Area of Coronal Hole from the Potential Field Source Surface in a Solar Cycle	WG1: Solar (including interior) and coronal	Session 09. Moving Towards a Unified Perspective on Coronal Hole Boundaries
024	Jaime A. Landeros**	Department of Mechanical and Aerospace Engineering, University of California San Diego	Coronal Hole Boundary Detection in Extreme Ultraviolet to Near Infrared Observations with Quantified Uncertainty	WG1: Solar (including interior) and coronal	Session 09. Moving Towards a Unified Perspective on Coronal Hole Boundaries Student Poster
025	Dimitris Vassiliadis	S Tech	The Compact Coronagraph 1 (CCOR-1): Open Access to Coronal Imagery and Instrument Information	WG1: Solar (including interior) and coronal	Session 10. Revisiting Interacting Coronal Mass Ejections: Understanding Evolution and Associated Predictive Challenges Session 11. Enhancing CME modeling in the new solar missions era: Current challenges and future directions Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models
026	Tania Varesano	CU Boulder / SwRI	Investigating solar plasma composition with deep learning	WG1: Solar (including interior) and coronal	Session 12. Intertwining Physics-Based Simulations and Machine Learning in Heliophysics: How Can We Do It and Why Do We Need It?
027	Giuliana de Toma	NCAR/HAO	Observations of eruptive and pre-eruptive structures with the MLSO/UCOMP coronagraph	WG1: Solar (including interior) and coronal	Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models
028	M. Galloy	NSF - NCAR/HAO/MLSO	New products and updates for Mauna Loa Solar Observatory	WG1: Solar (including interior) and coronal	Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models
029	Meredith Wieber**	UC Berkeley, SSL	The Electron Number Problem: Comparing Hard X-Ray and Microwave Imaging and Spectroscopy	WG1: Solar (including interior) and coronal	Session 14. Secondary neutral emission from solar flares to probe energetic particle acceleration Student Poster
030	Sijie Yu	New Jersey Institute of Technology	Image-based solar F10.7 index as an improved solar EUV proxy	WG1: Solar (including interior) and coronal	Session 16. SHINE Science with FASR and Next-Generation Radio Arrays
031	Surajit Mondal	New Jersey Institute of Technology	Large scale transient non-thermal radio emissions from the solar corona	WG1: Solar (including interior) and coronal	Session 16. SHINE Science with FASR and Next-Generation Radio Arrays
032	Graham Barnes	NWRA	Quantitative Comparisons of Solar Surface Flux Transport Models	WG1: Solar (including interior) and coronal	Session 18. Far-side of the Sun: Observation Modeling and Application to Space-Weather
033	KD Leka	NWRA	Limb-Flare Prediction with a 4-pi Full-Heliosphere Framework including Far-Side Input from Helioseismology	WG1: Solar (including interior) and coronal	Session 18. Far-side of the Sun: Observation Modeling and Application to Space-Weather
034	Ronald M. Caplan	Predictive Science Inc.	OFTSWA: Open-source Flux Transport for Space Weather Applications	WG1: Solar (including interior) and coronal	Session 18. Far-side of the Sun: Observation Modeling and Application to Space-Weather
035	Ruizhu Chen	Stanford University	Inferring Far-side Solar Magnetic Maps from Helioseismology and Their Application to Space Weather Case Studies	WG1: Solar (including interior) and coronal	Session 18. Far-side of the Sun: Observation Modeling and Application to Space-Weather
036	Yang Liu	Stanford University	Hemisphere Rule in Kinetic and Magnetic Helicity in Solar Active Regions	WG1: Solar (including interior) and coronal	Session 18. Far-side of the Sun: Observation Modeling and Application to Space-Weather
037	Johnathan R. Stauffer	National Research Council Research Associate, Naval Research Laboratory	Beyond α - ω : revealing pre-flare signatures of coronal currents with CICC1	WG1: Solar (including interior) and coronal	Session 19. The Structure & Evolution of Coronal Currents in CME Source Regions

038	Junwei Zhao	Stanford University	Observational Evidence for the Dispersive Nature of Magnetoacoustic Waves in Coronal Fan Loops	WG1: Solar (including interior) and coronal	Session 19. The Structure & Evolution of Coronal Currents in CME Source Regions
039	Maria Kazachenko	University of Colorado Boulder / National Solar Observatory	Evolution of flare ribbons, coronal dimmings and 3D coronal magnetic fields during an X-class flare using realistic MHD simulation and observations.	WG1: Solar (including interior) and coronal	Session 19. The Structure & Evolution of Coronal Currents in CME Source Regions
040	Tibor Tórók	Predictive Science Inc.	Non-Neutralized Electric Currents and Eruptive Activity in Solar Active Regions	WG1: Solar (including interior) and coronal	Session 19. The Structure & Evolution of Coronal Currents in CME Source Regions
041	V. Aparna	BAERI/LMSAL	Investigation of Loop Heating in non-Flaring Active Region Loops	WG1: Solar (including interior) and coronal	Session 19. The Structure & Evolution of Coronal Currents in CME Source Regions
042	Cooper Downs	Predictive Science Inc.	A New Method for Decomposing Vector Magnetograms to Reveal Magnetic Flux Ropes	WG1: Solar (including interior) and coronal	Session 19. The Structure & Evolution of Coronal Currents in CME Source Regions
043	Welsch, B.T.	University of Wisconsin - Green Bay	Using Gauss's Separation Method to Infer the Structure of Electric Currents in the Low Corona & Near-Surface Interior	WG1: Solar (including interior) and coronal	Session 19. The Structure & Evolution of Coronal Currents in CME Source Regions
044	Abhinav G. Iyer**	The University of Sydney	Validating Coronal Magnetic Field Models using Gaussian Separation	WG1: Solar (including interior) and coronal	Session 19. The Structure & Evolution of Coronal Currents in CME Source Regions Student Poster
045	Alan Hsu**	Harvard University	A Probabilistic Calibration Procedure for the CORSAIR Polarimeter	WG1: Solar (including interior) and coronal	Student Poster
046	Arpita Roddanavar**	NEW JERSEY INSTITUTE OF TECHNOLOGY	Large Magnetic Flux Rope Formation in an X2.1 Flare observed on September 6, 2011	WG1: Solar (including interior) and coronal	Student Poster
047	Boyang Ding**	Stanford University	Characterizing the Observational Properties of the Sun's High-latitude m=1 Inertial Mode	WG1: Solar (including interior) and coronal	Student Poster
048	Katie Ballard**	University of Michigan	Investigation of the in-situ Properties of the Solar Wind Disappearance Events using ACE and Solar Orbiter Observations	WG1: Solar (including interior) and coronal	Student Poster
049	Cole Tamburri**	University of Colorado Boulder; National Solar Observatory; Laboratory for Atmospheric and Space Physics	Constraining Electron Beam Heating Properties During the Decay Phase of a Solar Flare Observed by DKIST	WG1: Solar (including interior) and coronal	Student Poster
050	Evan Shimoun**	University of Michigan	Examining Heavy Ion Differential Streaming in the Solar Wind	WG1: Solar (including interior) and coronal	Student Poster
051	Gregory Szytko**	Rice University	Modeling In-Situ Observational Signatures of Interchange Reconnection in the Solar Corona	WG1: Solar (including interior) and coronal	Student Poster
052	Griffin T. Goodwin**	Georgia State University	An EUV Extension to the SWAN-SF Flare Forecasting Dataset	WG1: Solar (including interior) and coronal	Student Poster
053	Isaac Asante**	Georgia State University	Comparing Photospheric Oscillation Power Spectra for Three Different Doppler Shift Estimation Methods	WG1: Solar (including interior) and coronal	Student Poster
054	James Crowley**	National Solar Observatory; CU Boulder	Using Machine Learning Methods to Explore and Constrain Multi-Height Observations of the Solar Atmosphere	WG1: Solar (including interior) and coronal	Student Poster
055	Kathryn Wilbanks**	University of Michigan	Catastrophizing Space Weather: Modeling Extreme Events from the Sun to the Earth	WG1: Solar (including interior) and coronal	Student Poster
056	Kevin Brooks**	New Mexico State University	High Latitude Solar Magnetic Feature Interpolation Studies	WG1: Solar (including interior) and coronal	Student Poster
057	Lizet Casillas**	University of California, Los Angeles	The Origin, Structure, and Dynamics of Heliospheric Current Sheets	WG1: Solar (including interior) and coronal	Student Poster
058	Marcel Corchado Albelo**	University of Colorado, Boulder	Quantifying the Flare-Ribbon Substructure Complexity as a Proxy of Flare Current Sheet Properties	WG1: Solar (including interior) and coronal	Student Poster
059	Melissa Bierschenk**	George Mason University	Evidence of Submergence Along Polarity Inversion Line using DKIST/VISP Data	WG1: Solar (including interior) and coronal	Student Poster
060	Mia Mancuso**	New Jersey Institute of Technology	Simultaneous Observation of Ellerman Bombs with DKIST and BBSO	WG1: Solar (including interior) and coronal	Student Poster
061	Oana Vesa**	Stanford University	Morphological Analysis of Chromospheric Swirls Observed with the Dunn Solar Telescope	WG1: Solar (including interior) and coronal	Student Poster
062	Xianyu Liu**	University of Michigan	Toward Linking Observables with CME Onset Mechanisms: MHD simulations of flux rope eruptions	WG1: Solar (including interior) and coronal	Student Poster
063	Jackson R MacTaggart	University of Michigan	Studying Magnetic Field Data with PSP (subject to change)	WG1: Solar (including interior) and coronal	
064	Alison Farrish	NASA Goddard	Expanding the Alfvén Surface Concept to Other Stellar Systems	WG1: Solar (including interior) and coronal	

065	Anneliese Schmidt	New Jersey Institute of Technology	Statistical study of rapid red/blue-shifted excursions in relation to Solar Chromospheric energy release events and bright points	WG1: Solar (including interior) and coronal	
066	Ayla Weitz	University of Colorado Boulder, National Solar Observatory	Chromospheric Canopy Fields, How Are They Structured?	WG1: Solar (including interior) and coronal	
067	Eleni Nikou	NRC Research Associate, U.S. Naval Research Laboratory	CME Morphological Evolution from the Inner to the Outer Corona	WG1: Solar (including interior) and coronal	
068	Gabriela Gonzalez	CU/LASP	Improving the Spectral Resolution and Wavelength Scale of SDO/EVE MEGS-A for Flare Doppler Observations	WG1: Solar (including interior) and coronal	
069	Jessica Hamilton	Georgia State University	Diagnostics of Propagating Acoustic Waves from Realistic Radiative Hydrodynamic Simulations	WG1: Solar (including interior) and coronal	
070	Kara Kniezewski	Air Force Institute of Technology	131 and 304 Angstrom Emission Variability Increases Hours Prior to Solar Flare Onset	WG1: Solar (including interior) and coronal	
071	Michael Hahn	Columbia University	Velocity and Density Fluctuations in the Quiet Sun Corona	WG1: Solar (including interior) and coronal	
072	Tamima Saba	Georgia State University	Relation between Flare Ribbon and 3D Magnetic Field Topology and Flare Eruptivity	WG1: Solar (including interior) and coronal	
073	Tania Varesano	CU Boulder / SwRI	FIP Bias Evolution in an Emerging Active Region as Observed in SPICE SPROUTS Observations	WG1: Solar (including interior) and coronal	
074	Tingyu Gou	SAO	Multi-Point and Multi-Messenger Observation of an Intense Long-Duration Confined Flare	WG1: Solar (including interior) and coronal	
075	Varun Chaturmutha	Georgia State University	Probing the Atmosphere of the Sun-As-A-Star Using Acoustic-Gravity Waves	WG1: Solar (including interior) and coronal	
076	Yakub Olufadi	University of new Hampshire Durha	Evolution of CME Properties: Heliocentric Distance Dependence	WG1: Solar (including interior) and coronal	
077	Zihao Yang	NCAR/HAO	Observing the evolution of the Sun, global coronal magnetic field over 8 months	WG1: Solar (including interior) and coronal	
078	F. Pecora	University of Delaware	Obtaining turbulence spectral information from PSP waiting for PUNCH	WG1: Solar (including interior) and coronal WG2: Interplanetary	Session 02. Turbulence reconnection shock and particle energization Session 07. What we know about the solar Alfvén surface in the era of "Touching the Sun" Session 08. Micro- Meso- and Macro-: Relating the Full Spectrum of Scale Sizes in Remote-Sensing Imaging and Corona/Heliospheric Models
079	Bin Zhuang	New Jersey Institute of Technology	A Collective Study of Filament Eruptions and their Geoeffectiveness	WG1: Solar (including interior) and coronal WG2: Interplanetary	Session 06. Multispacecraft new era: novel multipoint & multiscale techniques Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models Session 19. The Structure & Evolution of Coronal Currents in CME Source Regions
080	Steven R. Cranmer	University of Colorado Boulder	The Frothy Alfvén Surface: What Have We Learned? What Do We Still Need to Know?	WG1: Solar (including interior) and coronal WG2: Interplanetary	Session 07. What we know about the solar Alfvén surface in the era of "Touching the Sun"
081	Liang Zhao	University of Michigan	TBD	WG1: Solar (including interior) and coronal WG2: Interplanetary	Session 09. Moving Towards a Unified Perspective on Coronal Hole Boundaries Session 12. Intertwining Physics-Based Simulations and Machine Learning in Heliophysics: How Can We Do It and Why Do We Need It? Session 21. [TOWN HALL] Instrumentation Necessary for a Future LWS Solar Polar Orbiter Mission
082	Bin Zhuang	University of New Hampshire	Evolution of a Coronal Mass Ejection with an Eruptive Prominence from the Corona to Interplanetary Space	WG1: Solar (including interior) and coronal WG2: Interplanetary	Session 10. Revisiting Interacting Coronal Mass Ejections: Understanding Evolution and Associated Predictive Challenges Session 11. Enhancing CME modeling in the new solar missions era: Current challenges and future directions Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models
083	Tong Shi	SETI Institute	Numerical Simulations on Solar and Stellar CMEs: Erupted vs Confined Events	WG1: Solar (including interior) and coronal WG2: Interplanetary	Session 11. Enhancing CME modeling in the new solar missions era: Current challenges and future directions Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models
084	N.V. Pogorelov	The University of Alabama in Huntsville	Space Weather with Quantified Uncertainties: Improving Forecasting Capabilities	WG1: Solar (including interior) and coronal WG2: Interplanetary	Session 12. Intertwining Physics-Based Simulations and Machine Learning in Heliophysics: How Can We Do It and Why Do We Need It?

085	Vacheslav Sadykov	Georgia State University	Identification of Ion-Kinetic Instabilities in Hybrid-PIC Simulations of Solar Wind Plasma with Machine Learning	WG1: Solar (including interior) and coronal WG2: Interplanetary	Session 12. Intertwining Physics-Based Simulations and Machine Learning in Heliophysics: How Can We Do It and Why Do We Need It? Session 15. Modern approaches in particle kinetics: bridging observations reconstructions and simulations throughout the heliosphere
086	Sam Schonfeld	Air Force Research Laboratory	Integrating SoLO/PHI farside magnetograms into ADAPT global solar magnetic maps	WG1: Solar (including interior) and coronal WG2: Interplanetary	Session 18. Far-side of the Sun: Observation Modeling and Application to Space-Weather
087	Elizabeth Wraback**	University of Michigan	An Insight into the CME Energy Budget using MHD Modeling	WG1: Solar (including interior) and coronal WG2: Interplanetary	Student Poster
088	Roberto Lionello	Predictive Science Inc.	The Time-Dependent Corona and Heliosphere	WG1: Solar (including interior) and coronal WG2: Interplanetary	
089	Shaheda Begum Shaik	George Mason University/US Naval Research Laboratory	On the Comparison of Plasma Instabilities and CMEs in White Light Total Solar Eclipse Images and WISPR/PSP Observations	WG1: Solar (including interior) and coronal WG2: Interplanetary	
090	Mariana Jeunon**	NASA GSFC/CUA	Determining the Solar Sources for 3He Events	WG1: Solar (including interior) and coronal WG2: Interplanetary WG3: Solar energetic particles (including suprathermal and GCR)	Session 03. New insights into particle access and transport in the inner heliosphere Student Poster
091	Rohit Chhiber	University of Delaware & NASA Goddard Space Flight Center	Turbulent stresses in the solar wind and their influence on angular momentum	WG1: Solar (including interior) and coronal WG2: Interplanetary WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization Session 07. What we know about the solar Alfvén surface in the era of "Touching the Sun"
092	Natsuha Kuroda	Naval Research Laboratory/George Mason University	The CCOR Operational Coronagraph Series for Space Weather Forecast	WG1: Solar (including interior) and coronal WG2: Interplanetary WG4: Microphysics (reconnection, turbulence, etc)	Session 06. Multispacecraft new era: novel multipoint & multiscale techniques Session 08. Micro- Meso- and Macro-: Relating the Full Spectrum of Scale Sizes in Remote-Sensing Imaging and Coronal/Heliospheric Models Session 10. Revisiting Interacting Coronal Mass Ejections: Understanding Evolution and Associated Predictive Challenges Session 11. Enhancing CME modeling in the new solar missions era: Current challenges and future directions Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models
093	Anna Fitzmaurice**	University of Maryland College Park	A Mechanism for Helium-3 Enhancements due to Ion Beam Instabilities	WG1: Solar (including interior) and coronal WG3: Solar energetic particles (including suprathermal and GCR)	Session 02. Turbulence reconnection shock and particle energization Session 03. New insights into particle access and transport in the inner heliosphere Session 15. Modern approaches in particle kinetics: bridging observations reconstructions and simulations throughout the heliosphere Student Poster
094	Brian O'Donnell	NJIT-Center for Solar Terrestrial Research	Current and Next-Gen Solar Radio Observations as Multi-messenger Complements to Your Work	WG1: Solar (including interior) and coronal WG3: Solar energetic particles (including suprathermal and GCR)	Session 03. New insights into particle access and transport in the inner heliosphere Session 08. Micro- Meso- and Macro-: Relating the Full Spectrum of Scale Sizes in Remote-Sensing Imaging and Coronal/Heliospheric Models Session 11. Enhancing CME modeling in the new solar missions era: Current challenges and future directions Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models Session 16. SHINE Science with FASR and Next-Generation Radio Arrays
095	William H Matthaeus	University of Delaware	Physics above and below the Alfvénic transition	WG1: Solar (including interior) and coronal WG3: Solar energetic particles (including suprathermal and GCR)	Session 07. What we know about the solar Alfvén surface in the era of "Touching the Sun"
096	Georgia de Nolfo	NASA Goddard Space Flight Center	Progress Toward Unambiguous Solar Neutron Measurements	WG1: Solar (including interior) and coronal WG3: Solar energetic particles (including suprathermal and GCR)	Session 14. Secondary neutral emission from solar flares to probe energetic particle acceleration
097	Jeongbin Seo	Los Alamos National Laboratory	Efficient Acceleration and Feedback of Non-thermal Electrons in Solar Flares	WG1: Solar (including interior) and coronal WG3: Solar energetic particles (including suprathermal and GCR)	
098	Amar Ervin**	UC Berkeley	Observational evidence for suppression of magnetic reconnection by shear flow	WG1: Solar (including interior) and coronal WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization Student Poster
099	Rimsha Hameed Syeda**	Georgia State University	Developing Machine Learning Models of Subgrid Turbulent Transport for Quiet Sun 3D Radiative Hydrodynamic Simulations	WG1: Solar (including interior) and coronal WG4: Microphysics (reconnection, turbulence, etc)	Student Poster
100	Haotian Da**	University of Maryland	Plasma heating and energization in Hot Onset Flare Precursor Events (HOPE)	WG1: Solar (including interior) and coronal WG4: Microphysics (reconnection, turbulence, etc)	Student Poster
101	Zachary Bailey	Institute for Astronomy	Inference of the Turbulence Correlation Length from the Chromosphere to the Inner Corona	WG1: Solar (including interior) and coronal WG4: Microphysics (reconnection, turbulence, etc)	

102	Zubair I. Shaikh	William B. Hanson Center for Space Sciences, University of Texas at Dallas, Richardson, TX, USA	Beta Dependent Properties of Current Sheets within ICME at 1 AU	WG2: Interplanetary	Session 02. Turbulence reconnection shock and particle energization Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models
103	Tamas Gombosi	University of Michigan	Physics-Based Forecasting of Tomorrow's Solar Wind in the Inner Heliosphere	WG2: Interplanetary	Session 03. New insights into particle access and transport in the inner heliosphere Session 05. What are the radiation risks from SEPs for humans in space Session 06. Multispacecraft new era: novel multipoint & multiscale techniques Session 10. Revisiting Interacting Coronal Mass Ejections: Understanding Evolution and Associated Predictive Challenges Session 11. Enhancing CME modeling in the new solar missions era: Current challenges and future directions
104	Susan T. Lepri	The University of Michigan	The Sun Radio Interferometer Space Experiment (SunRISE): Mission Updates	WG2: Interplanetary	Session 03. New insights into particle access and transport in the inner heliosphere Session 16. SHINE Science with FASR and Next-Generation Radio Arrays
105	Tae K. Kim	University of Alabama in Huntsville	Modeling the Dynamic Outer Heliosphere and Predictions for Voyager 1 and New Horizons	WG2: Interplanetary	Session 04. Pickup ions electrons and energetic neutral atoms in the heliosphere and local interstellar medium
106	Nicholeen Viall	NASA Goddard Space Flight Center	The Polarimeter to UNify the Corona and Heliosphere (PUNCH) mission	WG2: Interplanetary	Session 06. Multispacecraft new era: novel multipoint & multiscale techniques Session 07. What we know about the solar Alfvén surface in the era of "Touching the Sun" Session 08. Micro- Meso- and Macro-: Relating the Full Spectrum of Scale Sizes in Remote-Sensing Imaging and Coronal/Heliospheric Models Session 10. Revisiting Interacting Coronal Mass Ejections: Understanding Evolution and Associated Predictive Challenges Session 11. Enhancing CME modeling in the new solar missions era: Current challenges and future directions
107	Sahanaj Aktar Banu**	University of New Hampshire	Multi-Spacecraft Measurements of CMEs by Wind and STEREO-A: 2022 - 2024	WG2: Interplanetary	Session 06. Multispacecraft new era: novel multipoint & multiscale techniques Session 10. Revisiting Interacting Coronal Mass Ejections: Understanding Evolution and Associated Predictive Challenges Student Poster
108	Jia Huang	Space Sciences Laboratory, U.C. Berkeley	The Solar Wind Angular Momentum Flux Calculated with Calibrated Transverse Velocity During E22 and E23	WG2: Interplanetary	Session 07. What we know about the solar Alfvén surface in the era of "Touching the Sun"
109	Talwinder Singh	Georgia State University	Solar Wind Simulations with 4th order accuracy on a Cubed Sphere Grid	WG2: Interplanetary	Session 08. Micro- Meso- and Macro-: Relating the Full Spectrum of Scale Sizes in Remote-Sensing Imaging and Coronal/Heliospheric Models
110	Bernard Jackson	Department of Astronomy and Astrophysics, University of Calif	A World-Wide Interplanetary Scintillation Stations (WIPSS) Analysis for use with Thomson Scattering Brightness	WG2: Interplanetary	Session 08. Micro- Meso- and Macro-: Relating the Full Spectrum of Scale Sizes in Remote-Sensing Imaging and Coronal/Heliospheric Models Session 10. Revisiting Interacting Coronal Mass Ejections: Understanding Evolution and Associated Predictive Challenges Session 11. Enhancing CME modeling in the new solar missions era: Current challenges and future directions Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models Session 16. SHINE Science with FASR and Next-Generation Radio Arrays Session 21. [TOWN HALL] Instrumentation Necessary for a Future LWS Solar Polar Orbiter Mission
111	Syed Raza	University of Alabama in Huntsville	Improving CME Arrival Times using MHD ensemble modeling, Machine Learning Algorithms, and HI data	WG2: Interplanetary	Session 11. Enhancing CME modeling in the new solar missions era: Current challenges and future directions Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models
112	C., Perez-Alanis	NASA-GSFC/GMU	Evolution of sheath structures in ICMEs in the inner Heliosphere	WG2: Interplanetary	Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models
113	Nada Al-Haddad	University of New Hampshire	CME Magnetic Field Structure: A Comprehensive Review	WG2: Interplanetary	Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models
114	Evangelia Samara	NASA/GSFC	Why do solar wind models get it wrong: understanding the capabilities of time-dependent solar wind simulations	WG2: Interplanetary	Session 18. Far-side of the Sun: Observation Modeling and Application to Space-Weather
115	Amy K. Murphy**	Institute for the Study of Earth, Oceans, and Space, University of New Hampshire, Durham, NH 03824	Evolution Properties of Small Flux Ropes Observed by Parker Solar Probe	WG2: Interplanetary	Student Poster

116	Christopher Rowell**	Florida Institute of Technology	Determination of the Source Origin and Magnetic Connectivity of Solar Wind Observed at Earth	WG2: Interplanetary	Student Poster
117	Lidiya Ahmed	Harvard University	Investigation of the Radial Evolution of Solar Wind Streams Using Dynamic Time Warping	WG2: Interplanetary	
118	Mingzhe Liu	Space Sciences Laboratory, University of California, Berkeley, CA94720-7450, USA	Characterizing Highly Alfvénic Slow Solar Wind Near the Sun Using Parker Solar Probe Measurements During Encounters 22 and 23	WG2: Interplanetary	
119	Jakobus A. le Roux	University of Alabama in Huntsville	A Focused Transport Theory for Energetic Particle Interaction with Parallel Propagating Alfvén Waves in a Solar Wind Medium with Intermittent Quasi-2D Turbulence	WG2: Interplanetary WG3: Solar energetic particles (including suprathermal and GCR)	Session 02. Turbulence reconnection shock and particle energization
120	Wenwen Wei	Space Sciences Laboratory, University of California, Berkeley	Radial and Longitudinal Evolution of the Energy Spectra in a Sunward Streaming Energetic Ion Event	WG2: Interplanetary WG3: Solar energetic particles (including suprathermal and GCR)	Session 03. New insights into particle access and transport in the inner heliosphere
121	Zigong Xu	California Institute of Technology	Parker Solar Probe observations of solar energetic particle events with inverse velocity arrival (IVA) features	WG2: Interplanetary WG3: Solar energetic particles (including suprathermal and GCR)	Session 03. New insights into particle access and transport in the inner heliosphere Session 05. What are the radiation risks from SEPs for humans in space
122	Noé Lugaz	University of New Hampshire	Multi-Spacecraft Measurements of Coronal Mass Ejections: Extent and Forecasting Proof-of-Concept	WG2: Interplanetary WG3: Solar energetic particles (including suprathermal and GCR)	Session 06. Multispacecraft new era: novel multipoint & multiscale techniques Session 11. Enhancing CME modeling in the new solar missions era: Current challenges and future directions Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models
123	Heather Elliott	Southwest Research Institute, San Antonio TX	What Other Quantities Can Be Forecasted Using Solar Wind Speed Forecasts/Tracking, and With What Accuracies?	WG2: Interplanetary WG3: Solar energetic particles (including suprathermal and GCR)	Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models
124	Helen Norman**	University of Warwick, UK	Investigating the Structure of Coronal Mass Ejection Models with Galactic Cosmic Rays	WG2: Interplanetary WG3: Solar energetic particles (including suprathermal and GCR)	Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models Student Poster
125	David Galarza**	University of Florida	HelioSTET: Enhancing Heliospheric Magnetic Field Modeling Using Suprathermal Electrons	WG2: Interplanetary WG3: Solar energetic particles (including suprathermal and GCR)	Student Poster
126	Nikolett Biro**	University of Michigan	Investigation of the spatial properties of dropout events in the Inner Heliosphere	WG2: Interplanetary WG3: Solar energetic particles (including suprathermal and GCR)	Student Poster
127	B. L. Alterman	NASA Goddard Space Flight Center	Cross Helicity and the Helium Abundance as an in situ Metric of Solar Wind Acceleration	WG2: Interplanetary WG3: Solar energetic particles (including suprathermal and GCR)	
128	Fernando Carcaboso	UMBC NASA GSFC	Longitudinal Spread and Variability of SEPs: Impact of Interplanetary Structures (Multi-Spacecraft Observations, Dec 5-10, 2024)	WG2: Interplanetary WG3: Solar energetic particles (including suprathermal and GCR)	
129	Maher Dayes	Southwest Research Institute	Polytropic Behavior in Corotating Interaction Regions: Evidence of Alfvénic Heating	WG2: Interplanetary WG3: Solar energetic particles (including suprathermal and GCR) WG4: Microphysics (reconnection, turbulence, etc)	Session 01. Entropy and its role in space plasmas
130	Manuel Enrique Cuesta	Princeton University	Correlation of Spatial Diffusion Coefficient of Solar Energetic Protons Upstream of Interplanetary Shock with their Shock Intensity from 0.07 to 0.74 AU Observed by Parker Solar Probe	WG2: Interplanetary WG3: Solar energetic particles (including suprathermal and GCR) WG4: Microphysics (reconnection, turbulence, etc)	
131	Rubaiya Khondoker Shikha	Dept. of Space Science, UAH	Evidence for tempered superdiffusive shock acceleration at a quasi-perpendicular shock	WG2: Interplanetary WG3: Solar energetic particles (including suprathermal and GCR) WG4: Microphysics (reconnection, turbulence, etc)	
132	Jiaming (Victoria) Wang	University of Delaware	Interplanetary Magnetic Correlation and Low-Frequency Spectrum over Many Solar Rotations	WG2: Interplanetary WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization Session 08. Micro- Meso- and Macro-: Relating the Full Spectrum of Scale Sizes in Remote-Sensing Imaging and Coronal/Heliospheric Models
133	Carlos Gonzalez	University of Texas at Austin	Characterization of the compressible fluctuations in the Alfvénic and non-Alfvénic solar wind	WG2: Interplanetary WG4: Microphysics (reconnection, turbulence, etc)	Session 03. New insights into particle access and transport in the inner heliosphere
134	Frederico Fratemale	The University of Alabama in Huntsville, Center for Space Plasma and Aeronomic Research	Modeling the Dynamic Inner and Outer Heliosheath with Data-Driven Multifluid and MHD/Kinetic Approaches	WG2: Interplanetary WG4: Microphysics (reconnection, turbulence, etc)	Session 04. Pickup ions electrons and energetic neutral atoms in the heliosphere and local interstellar medium
135	Rayta Pradata	University of Delaware	Exploring Magnetic Morphology in the Solar Wind: Observations and Numerical Simulations	WG2: Interplanetary WG4: Microphysics (reconnection, turbulence, etc)	

136	Bingbing Wang	Center for Space Plasma and Aeronomic Research (CSPAR), University of Alabama in Huntsville	A theoretical view of the drift velocity due to turbulence	WG3: Solar energetic particles (including suprathermal and GCR)	Session 02. Turbulence reconnection shock and particle energization
137	H. A. Farooki	Princeton University	Consistent Temperatures of SEPs	WG3: Solar energetic particles (including suprathermal and GCR)	Session 02. Turbulence reconnection shock and particle energization
138	Lulu Zhao	University of Michigan	Assessment of SOFIE's Performance in the SWPC Testbed Exercise for Human Space Exploration Support	WG3: Solar energetic particles (including suprathermal and GCR)	Session 02. Turbulence reconnection shock and particle energization Session 05. What are the radiation risks from SEPs for humans in space
139	Joan Burkepile	National Center for Atmospheric Research	Properties of CMEs associated with Solar Energetic Particle (SEP) events as seen in the low and middle corona in polarized white light and in the low corona in EUV data.	WG3: Solar energetic particles (including suprathermal and GCR)	Session 02. Turbulence reconnection shock and particle energization Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models
140	Ji-Hyeon Yoo**	Korea Astronomy and Space Science Institute, Chungbuk National University	Analysis of the Solar Energetic Particle Event with a 10-hour Onset Delay on 2022 June 13	WG3: Solar energetic particles (including suprathermal and GCR)	Session 02. Turbulence reconnection shock and particle energization Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models Student Poster
141	Grant Bertrand	Johns Hopkins University Applied Physics Laboratory	Detection of Solar Flare-Origin Deuterium by Parker Solar Probe	WG3: Solar energetic particles (including suprathermal and GCR)	Session 02. Turbulence reconnection shock and particle energization Session 14. Secondary neutral emission from solar flares to probe energetic particle acceleration
142	Alexander Shane	University of Michigan	PARMISAN: Validation of a New Stochastic SEP Transport Model	WG3: Solar energetic particles (including suprathermal and GCR)	Session 03. New insights into particle access and transport in the inner heliosphere
143	Lengying Khoo	Princeton University	Energy Spectrum Evolution observed by PSP/EPI-Hi during 15-16 February 2022	WG3: Solar energetic particles (including suprathermal and GCR)	Session 03. New insights into particle access and transport in the inner heliosphere
144	RD Strauss	Centre for Space Research, North-West University, South Africa	Why we think perpendicular diffusion is important for SEPs	WG3: Solar energetic particles (including suprathermal and GCR)	Session 03. New insights into particle access and transport in the inner heliosphere
145	Alicia K Petersen	University of Florida	Heliospheric Solar Energetic Particle Transport	WG3: Solar energetic particles (including suprathermal and GCR)	Session 03. New insights into particle access and transport in the inner heliosphere Session 05. What are the radiation risks from SEPs for humans in space Session 06. Multispacecraft new era: novel multipoint & multiscale techniques Session 12. Intertwining Physics-Based Simulations and Machine Learning in Heliophysics: How Can We Do It and Why Do We Need It? Session 21. [TOWN HALL] Instrumentation Necessary for a Future LWS Solar Polar Orbiter Mission
146	Weihao Liu**	University of Michigan	Modeling the 2017 September 10 Solar Energetic Particle Event as Observed on Mars and at 1 au	WG3: Solar energetic particles (including suprathermal and GCR)	Session 03. New insights into particle access and transport in the inner heliosphere Session 05. What are the radiation risks from SEPs for humans in space Student Poster
147	Anton Artemyev**	University of California, Los Angeles	Quantification of particle scattering by solar wind current sheets: pitch-angle diffusion rates	WG3: Solar energetic particles (including suprathermal and GCR)	Session 03. New insights into particle access and transport in the inner heliosphere Student Poster
148	Sanjib K C	Georgia State University	Data-Driven Nowcasting of Aviation Radiation Using Geospace Environment Properties: A Machine Learning Approach	WG3: Solar energetic particles (including suprathermal and GCR)	Session 05. What are the radiation risks from SEPs for humans in space Session 20. Neutron Monitors and Space Weather
149	Adolfo Santa Fe Duenas	University of New Hampshire	Longitudinal Variations in ESP Properties and Shock Compression Observed by STEREO-A and L1 Spacecraft	WG3: Solar energetic particles (including suprathermal and GCR)	Session 06. Multispacecraft new era: novel multipoint & multiscale techniques Session 10. Revisiting Interacting Coronal Mass Ejections: Understanding Evolution and Associated Predictive Challenges Session 11. Enhancing CME modeling in the new solar missions era: Current challenges and future directions Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models
150	Arch Robison**	Montana State University	Latitudinal dependence of 14C as a proxy for pre-modern geomagnetic storms	WG3: Solar energetic particles (including suprathermal and GCR)	Session 13. Advancing Our Global Understanding of CMEs from In Situ and Remote Observations and Models Student Poster
151	Rick Leske	California Institute of Technology	Solar Flare Neutral Emission Observed by ISOIS/EPI-Hi/HET on Parker Solar Prob	WG3: Solar energetic particles (including suprathermal and GCR)	Session 14. Secondary neutral emission from solar flares to probe energetic particle acceleration
152	Andrew Kuhlman**	University of New Hampshire	Revisiting the Energy Spectrum of Solar Neutrons	WG3: Solar energetic particles (including suprathermal and GCR)	Session 14. Secondary neutral emission from solar flares to probe energetic particle acceleration Session 20. Neutron Monitors and Space Weather Student Poster
153	Ross Pallister	Northumbria University, UK	Investigating the effect of thermal collisional plasma and turbulent acceleration on heliospheric electron spectra	WG3: Solar energetic particles (including suprathermal and GCR)	Session 15. Modern approaches in particle kinetics: bridging observations reconstructions and simulations throughout the heliosphere
154	Abhinandan Dass	University of Hawaii at Manoa	Towards a physics-based long-term GCR forecasting tool	WG3: Solar energetic particles (including suprathermal and GCR)	Session 20. Neutron Monitors and Space Weather

155	Nikolay Nikonov	University of Hawaii at Manoa	Deployment of HLEA and THIMON Neutron Monitors at Haleakalā, Maui	WG3: Solar energetic particles (including suprathermal and GCR)	Session 20. Neutron Monitors and Space Weather
156	Aatiya Ali**	Georgia State University	Comparative Analysis of Solar Proton Events at Lagrange point 1 and the Geostationary Orbit	WG3: Solar energetic particles (including suprathermal and GCR)	Student Poster
157	Abdullah A. Shmies**	The University of Texas at San Antonio	He-3 and heavy ion composition in Extreme Solar Energetic Particle Events: Flare Contribution or pre-existing Seed Population?	WG3: Solar energetic particles (including suprathermal and GCR)	Student Poster
158	Darius Desnoes**	University of New Hampshire	The Use of Inorganic Scintillators for Detecting Incident Solar Neutrons and Gamma Rays, and Minimizing the Detection of Local Neutral Radiation	WG3: Solar energetic particles (including suprathermal and GCR)	Student Poster
159	Gergely Koban**	University of Michigan	Investigating the Influence of Shock Properties on Energetic Storm Particle Events	WG3: Solar energetic particles (including suprathermal and GCR)	Student Poster
160	Malik H. Walker	Johns Hopkins University	Radial Dependency of ICME-associated Particle Acceleration Processes: Statistical Multipoint Observations from 2016-2023	WG3: Solar energetic particles (including suprathermal and GCR)	Student Poster
161	Alyssa Russell	University of Michigan	Characterizing Suprathermal Heavy Ions in the Solar Wind	WG3: Solar energetic particles (including suprathermal and GCR)	
162	Ashraf Moradi	University of Arizona	The Significance of the Interplanetary Magnetic Field Polarity on the SEP Flux Anisotropy Upon Entering the Magnetosphere	WG3: Solar energetic particles (including suprathermal and GCR)	
163	Bishwas L. Shrestha	Princeton University	High-Resolution Observations of Pickup Ion Mediated Shocks to 60 au	WG3: Solar energetic particles (including suprathermal and GCR)	
164	J. Grant Mitchell	NASA/GSFC	Investigating the Source of the Delay of Near-Relativistic Electrons with Parker Solar Probe	WG3: Solar energetic particles (including suprathermal and GCR)	
165	P.S. Pathare	UTSA-SwRI	Properties of Energetic Particles in the Sub-Alfvénic Solar Wind Flow Observed by Parker Solar Probe from Encounter NO. 8 to Encounter NO. 21	WG3: Solar energetic particles (including suprathermal and GCR)	
166	Hanqing Ma*	University of Maryland	Weibel instability and particle scattering in the electron-only magnetic reconnection	WG3: Solar energetic particles (including suprathermal and GCR) WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization Student Poster
167	M. Hasan Barbhuiya	West Virginia University	Higher-order nonequilibrium term: Effective power density quantifying evolution towards or away from local thermodynamic equilibrium	WG4: Microphysics (reconnection, turbulence, etc)	Session 01. Entropy and its role in space plasmas Session 02. Turbulence reconnection shock and particle energization
168	Riddhi Bandyopadhyay	Princeton University	Density Fluctuation-Mach Number Scaling in Compressible, High Plasma Beta Turbulence: In Situ Space Observations and High-Reynolds Number Simulations	WG4: Microphysics (reconnection, turbulence, etc)	Session 01. Entropy and its role in space plasmas Session 02. Turbulence reconnection shock and particle energization
169	Trevor Bowen	UC Berkeley	Heating of the Young Solar Wind and Outer Corona	WG4: Microphysics (reconnection, turbulence, etc)	Session 01. Entropy and its role in space plasmas Session 07. What we know about the solar Alfvén surface in the era of "Touching the Sun" Session 15. Modern approaches in particle kinetics: bridging observations reconstructions and simulations throughout the heliosphere
170	Collin Brown	University of Iowa; Naval Research Lab	Methods for Identifying Mechanisms and Measuring Energy Partitioning in Perpendicular Collisionless Shocks	WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization
171	Lan Jian	NASA Goddard Space Flight Center	Observations of the Ion-Scale Cyclotron Waves in the Inner Heliosphere	WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization
172	Niranjana Shankarappa	The University of Arizona	Statistical Analysis of Ion-Scale Circularly Polarized Wave Storms Abundantly Observed by PSP	WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization
173	Vincent David	University of New Hampshire	Expanding-box formulations of RMHD	WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization
174	Leon Ofman	Catholic University of America and NASA Goddard Space Flight Center	Exploring the Dynamics of High-Temperature, Anisotropic Proton and Alpha Particle Velocity Distributions in the Solar Wind Plasma, as Observed by The Parker Solar Probe During its Perihelion Passes	WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization Session 03. New insights into particle access and transport in the inner heliosphere Session 12. Intertwining Physics-Based Simulations and Machine Learning in Heliophysics: How Can We Do It and Why Do We Need It? Session 15. Modern approaches in particle kinetics: bridging observations reconstructions and simulations throughout the heliosphere

175	Alexandros Chasapis	LASP - University of Colorado Boulder	Observations of turbulent dissipation and particle energization driven by transient solar wind structures	WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization Session 06. Multispacecraft new era: novel multipoint &multiscale techniques
176	Chip Manchester	University of Michigan	AWSoM Simulation of the Solar Wind and CMEs with Comparisons to Turbulence, Proton and Electron Temperature Observations	WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization Session 06. Multispacecraft new era: novel multipoint &multiscale techniques Session 11. Enhancing CME modeling in the new solar missions era: Current challenges and future directions
177	M. B. Khan**	University of Delaware	Factors Controlling the Statistics of Magnetic Reconnection in Magnetohydrodynamic Turbulence	WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization Session 06. Multispacecraft new era: novel multipoint &multiscale techniques Student Poster
178	Gregory G. Howes	University of Iowa	MMS Observations of the Velocity-space Signature of Shock-drift Acceleration	WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization Session 15. Modern approaches in particle kinetics: bridging observations reconstructions and simulations throughout the heliosphere
179	Sarah Conley	Princeton University	Particle Heating or Co-Located Populations: The Importance of Phase-Space in Interpreting Internal Energy Density in Collisionless Systems	WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization Session 15. Modern approaches in particle kinetics: bridging observations reconstructions and simulations throughout the heliosphere
180	Yogesh	GSFC/CUA	Excitation and Dissipation of Ion-Scale Waves by Solar Wind Ion Velocity Distributions	WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization Session 15. Modern approaches in particle kinetics: bridging observations reconstructions and simulations throughout the heliosphere
181	Waverly Gorman**	University of Arizona	Hybrid Kinetic Simulations of Alfvén Waves at High-Beta	WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization Session 15. Modern approaches in particle kinetics: bridging observations reconstructions and simulations throughout the heliosphere Student Poster
182	Alberto Felix**	University of Iowa	Energetic Processes of Ion Sub Populations in Collisionless Supercritical Quasiperpendicular Shocks	WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization Student Poster
183	Atit Deuja**	University of Alabama in Huntsville	Impact of tearing instability on the global quadrupole Hall magnetic field in an anti-parallel magnetic reconnection	WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization Student Poster
184	Rui Huang**	University of Iowa	Peeking into Ion Cyclotron Damping in Velocity Space	WG4: Microphysics (reconnection, turbulence, etc)	Session 02. Turbulence reconnection shock and particle energization Student Poster
185	Mihailo Martinovic	University of Arizona	Low Proton Plasma-beta Temperature Anisotropy Constraint Driven by Alpha-Particle Drift	WG4: Microphysics (reconnection, turbulence, etc)	Session 03. New insights into particle access and transport in the inner heliosphere
186	Senbei Du	Boston University	Anisotropic velocity distribution of heliosheath-created pickup ions	WG4: Microphysics (reconnection, turbulence, etc)	Session 04. Pickup ions electrons and energetic neutral atoms in the heliosphere and local interstellar medium Session 15. Modern approaches in particle kinetics: bridging observations reconstructions and simulations throughout the heliosphere
187	Evan L Yergler	University of New Hampshire	Cyclotron breaking: a robust mechanism for net heating by parallel ion cyclotron waves in the fast solar wind	WG4: Microphysics (reconnection, turbulence, etc)	Session 15. Modern approaches in particle kinetics: bridging observations reconstructions and simulations throughout the heliosphere
188	Lily Strus**	University of Colorado Boulder	Generalized Quasilinear Velocity-Space Diffusion Equations: Beyond the Delta Function	WG4: Microphysics (reconnection, turbulence, etc)	Session 15. Modern approaches in particle kinetics: bridging observations reconstructions and simulations throughout the heliosphere Student Poster
189	Nickolas Giardetti**	Florida Institute of Technology	Sunward Alfvén Waves and Their Connection to Magnetic Switchbacks	WG4: Microphysics (reconnection, turbulence, etc)	Student Poster
190	Katayoun Movassaghi	Florida Institute of Technology	Two-point correlations in steady-driven RMHD simulations	WG4: Microphysics (reconnection, turbulence, etc)	
191	Kristopher G Klein	University of Arizona	Non Maxwellian Wave Excitation and Dissipation: Recent Progress	WG4: Microphysics (reconnection, turbulence, etc)	
192	Nooshin Davis	University of New Hampshire	INSTABILITIES DRIVEN BY THE DRIFT AND TEMPERATURE ANISOTROPY OF PROTON BEAM IN THE SOLAR WIND	WG4: Microphysics (reconnection, turbulence, etc)	
193	Sohom Roy	University of Delaware	Dependence of local energy fluxes on flow invariants in collisionless plasma turbulence	WG4: Microphysics (reconnection, turbulence, etc)	
194	Subash Adhikari	University of Delaware	A new approach to the compressible contributions of pressure-strain interaction in kinetic plasma turbulence	WG4: Microphysics (reconnection, turbulence, etc)	