id	Full Author List	Title	Working Groups	Sessions and Tags
001	Yan Xu (NJIT), Graham S. Kerr (NASA, CUA), Vanessa Polito (BAERI, Lockheed Martin), Nengyi Huang (NJIT), Ju Jing (NJIT), Haimin Wang (NJIT)	**Strong Red-wing Enhancement in UV Lines During the 2022 March 30 X1.3 Flare**	2023 WG1: Solar (including interior) and coronal	2023 Session 03. Solar-stellar eruption analogy: observations and models
002	Fallon Konow (Georgia State University; University of Rome Tor Vergata), Francesco Berrilli (University of Rome Tor Vergata), Stuart M. Jefferies (Georgia State University), Luca Giovannelli (University of Rome Tor Vergata), Neil Murphy (NASA Jet Propulsion Lab), Wayne Rodgers (Eddy Company)	**A New Instrument for Synoptic Space Weather Observations**	2023 WG1: Solar (including interior) and coronal	2023 Session 03. Solar-stellar eruption analogy: observations and models|2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques|2023 Student Poster
003	Yu Xu (Peking Univeristy), Hui Tian (Peking University), Juliv"n Alvarado-Gomv©z (Astrophysics Institute Potsdam)	**Solar and Stellar CMEs: Spectroscopic Observations and MHD simulations**	2023 WG1: Solar (including interior) and coronal	2023 Session 03. Solar-stellar eruption analogy: observations and models|2023 Student Poster
004	Jorge Padial (Vanderbilt University), Eric Jonas (University of Chicago)	**Automatically Labelled EUV and X-Ray Incident Solar flares Catalog**	2023 WG1: Solar (including interior) and coronal	2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques
005	Aniket Jivani (University of Michigan), Hongfan Chen (University of Michigan), Xun Huan (University of Michigan), Yang Chen (University of Michigan), Bart van der Holst (University of Michigan), Shasha Zou (University of Michigan), Zhenguang Huang (University of Michigan), Nishtha Sachdeva (University of Michigan), Ward Manchester (University of Michigan), Gabor Toth (University of Michigan)	**Towards Uncertainty Quantification for Synthetic White Light Images in the Space Weather Modeling Framework**	2023 WG1: Solar (including interior) and coronal	2023 Student Poster
006	Anastasia Kuske (NJIT)	**Radio Frequency Interference Identification and Flagging using Spectral Kurtosis**	2023 WG1: Solar (including interior) and coronal	2023 Student Poster
007	Wenyuan Yu (University of New Hampshire), Nada A. Al-Haddad (University of New Hampshire), Charles J. Farrugia (University of New Hampshire), Nov© Lugaz (University of New Hampshire), Bin Zhuang (University of New Hampshire), Florian Regnault (University of New Hampshire), Antoinette Galvin (University of New Hampshire)	**Multi-spacecraft observations of the self-similar expansion for Magnetic Clouds**	2023 WG1: Solar (including interior) and coronal	
008	& Technology Facilities Council ‚Äì Rutherford Appleton Laboratory, Harwell Campus, Oxfordshire, OX11 0QX, UK), Richard A. Fallows (ASTRON, the Netherlands Institute for Radio Astronomy, Postbus 2, 7990 AA Dwingeloo, The Netherlands), Renv© Vermeulen (ASTRON, the Netherlands Institute for Radio Astronomy, Postbus 2, 7990 AA Dwingeloo, The Netherlands), Stuart C. Robertson (RAL Space, UK Research and Innovation ‚Äì Science & Technology Facilities Council ‚Äì Rutherford Appleton Laboratory, Harwell Campus, Oxfordshire, OX11 0QX, UK), Mark Ruiter (ASTRON, the Netherlands Institute for Radio Astronomy, Postbus 2, 7990 AA Dwingeloo, The Netherlands), Nicole Vilmer (Observatoire de Paris, Paris, France), Hanna Rothkaehl (Space Research Centre Polish Academy of Sciences, Warsaw, Poland), Barbara Matyjasiak (Space Research Centre Polish Academy of Sciences, Warsaw, Poland), Joris Verbiest (Bielefeld University, Bielefeld, Germany), Peter T. Gallagher (Dublin Institute for Advanced Studies (DIAS), Dublin, Ireland), Tobia Carozzi (Onsala Space Observatory (OSO), Onsala, Sweden), Michael Olberg (Onsala Space Observatory (OSO), Onsala, Sweden), Michael Lindqvist (Onsala Space Observatory (OSO),	**LOFAR4SpaceWeather (LOFAR4SW) : Increasing European Space-Weather Capability with Europe's Largest Radio Telescope: Updates and Potential Future Prospects**	2023 WG1: Solar (including interior) and coronal|2023 WG2: Interplanetary	2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques|2023 Session 18. What radio data can do for you!
009	Hechao Chen (Yunnan University); Hui Tian (Peking University); Zihao Yang (Peking University; NCAR/HAO), Yu Xu (Peking University), Hongpeng Lu (Peking University)	**Detection of Stellar Chromospheric Evaporation and a Possible Filament Eruption in the Corona of EV Lac with X-Ray Spectroscopy**	2023 WG1: Solar (including interior) and coronal|2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 03. Solar-stellar eruption analogy: observations and models
010	Justin Bowman (Dept. of Physics and Astronomy, West Virginia University), Katherine Goodrich (Dept. of Physics and Astronomy, West Virginia University), John Bonnell (Space Sciences Laboratory, UC Berkeley), Erik Tejero (Naval Research Laboratory), William Amatucci (Naval Research Laboratory), Dylan Conner (Dept. of Physics and Astronomy, West Virginia University), Josh Cramlet (Dept. of Physics and Astronomy, West Virginia University)	**LIEFSI: Delving into Space Electric Fields in the Lab**	2023 Other|2023 WG2: Interplanetary	2023 Student Poster
011	Manuel Enrique Cuesta (Princeton University), David J. McComas (Princeton University), PSP/ISOIS Team (Princeton University, Goddard Space Flight Center, California Institute of Technology, Southwest Research Institute, University of Texas at San Antonio, University of Arizona, Johns Hopkins University Applied Physics Laboratory, National Observatory of Athens, University of Delaware, NASA HQ, University of New Hampshire, Jet Propulsion Laboratory, University of California at Berkeley, The Blackett Laboratory, University of Michigan, Simthsonian Astrophysical Observatory, CNRS)	**Predictions of Solar Energetic Particle Event Characteristics based on Source and Solar Wind Plasma Conditions**	2023 Other|2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Session 05. Quantification and clustering of different CME initiation methods ‚Äì numerical and observational analysis

012	Bishwas L. Shrestha (Princeton University), Eric J. Zirnstein (Princeton University), David J. McComas (Princeton University)	**Suprathermal Pickup Ion Tails in the Outer Heliosphere**	2023 Other|2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Session 17. The Interaction Between the Heliosphere and the Local Interstellar Medium
013	Rebecca Harvey (Department of Space Science, The University of Alabama in Huntsville), Qiang Hu (Department of Space Science, The University of Alabama in Huntsville; Center for Space Plasma and Aeronomic Research (CSPAR), The University of Alabama in Huntsville)	**Observational Analysis of Small-scale Structures across the Earth's Bow Shock**	2023 Other|2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 15. What are the Basic Building Blocks of Solar Wind Turbulence?|2023 Student Poster
014	Kelvin Lule1, Laxman Adhikari2, Gary Zank2, Ashok Silwal2	**Analyzing The Trend of Nonlinear Timescale and Alfven Timescale 1 AU**	2023 Other|2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Student Poster
015	Soumyaranjan Dash (Institute for Astronomy, University of Hawaii at Manoa; CESSI, IISER Kolkata, India), Dibyendu Nandy (CESSI, DPS, IISER Kolkata, India), Ilya Usoskin (Space Physics and Astronomy Research Unit and SodankylV§ Geophysical Observatory, University of Oulu, Finland)	**Forcing of the state of the heliosphere during grand minima, maxima and regular activity phases by the solar dynamo mechanism through Sun‚Äôs coronal field, open flux and cosmic ray modulation potential**	2023 WG1: Solar (including interior) and coronal	2023 Session 01. Where in the solar interior lies the seat of the dynamo?
016	Catherine Blume (University of Colorado Boulder), Bradley Hindman (University of Colorado Boulder), Loren Matilsky (UC Santa Cruz)	**Characterizing Rossby waves in solar interior simulations**	2023 WG1: Solar (including interior) and coronal	2023 Session 01. Where in the solar interior lies the seat of the dynamo?
017	Bradley W. Hindman (University of Colorado Boulder), J.R. Fuentes (University of Colorado Boulder), Junwei Zhao (Stanford University), Catherine Blume (University of Colorado Boulder), Maria Camisassa (Universitat PolitV®cnica de Catalunya), Nicholas Featherstone (Southwest Research Institute), Lydia Korre (University of Colorado Boulder), Loren Matilsky (University of California, Santa Cruz)	**Can Stacked Meridional Circulation Cells be Observed by Helioseismology?**	2023 WG1: Solar (including interior) and coronal	2023 Session 01. Where in the solar interior lies the seat of the dynamo?
018	Nicholas Featherstone (Southwest Research Institute), Catherine Blume (Univ. Colorado Boulder), Maria Camisassa (Universitat PolitV®cnica de Catalunya), J.R. Fuentes (Univ. Colorado Boulder), Bradley Hindman (Univ. Colorado Boulder), Lydia Korre (Univ. Colorado Boulder), Loren Matilsky (Univ. California Santa Cruz)	**Solar Convection: The Importance of Convective Rossby Number and the Impact of Density Stratification**	2023 WG1: Solar (including interior) and coronal	2023 Session 01. Where in the solar interior lies the seat of the dynamo?
019	Yang Liu (Stanford University), Rudy Komm (NSO)	**Relationship Between Kinetic and Magnetic Helicity in Solar Active Regions**	2023 WG1: Solar (including interior) and coronal	2023 Session 01. Where in the solar interior lies the seat of the dynamo?
020	Donald M. Hassler (SwRI), Sarah E Gibson (NCAR), Jeffrey S Newmark (GSFC), Nicholas A. Featherstone (SwRI), Lisa Upton (SwRI), Nicholeen M Viall (GSFC), J Todd Hoeksema (Stanford), Frederic Auchere (IAS), Aaron Birch (MPS), Doug Braun (NWRA), Paul Charbonneau (U. Montreal), Robin Colannino (NRL), Craig DeForest (SwRI), Mausumi Dikpati (NCAR), Cooper Downs (PSI), Nicole Duncan (Ball), Heather Alison Elliott (SwRI), Yuhong Fan (NCAR), Silvano Fineschi (INAF), Laurent Gizon (MPS), Sanjay Gosain (NSO), Louise Harra (PMOD), Brad Hindman (U. Colorado), David Berghmans (ROB), Susan T Lepri (U. Mich.), Jon Linker (PSI), Mark B. Moldwin (U. Mich), Andres Munoz-Jaramillo (SwRI), Dibyendu Nandy (IISER), Yeimy Rivera (CfA), Jesper Schou (MPS), Barbara Thompson (GSFC), Marco Velli (UCLA), Thomas N. Woods (LASP), Junwei Zhao (Stanford)	**Solaris: A Focused Solar Polar Mission**	2023 WG1: Solar (including interior) and coronal	2023 Session 01. Where in the solar interior lies the seat of the dynamo?|2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques|2023 Session 20. Concepts for Future Solar and Solar Wind Missions
021	Regis John (West Virginia University), Paul Cassak (West Virginia University), Subash Adhikari (West Virginia University), Gustavo Elias Bartolo (West Virginia University), Sonu Yadav (West Virginia University), Earl Scime (West Virginia University)	**Reconnection Spreading Between Non-Parallel Flux Ropes in 3D Simulations of the WVU PHASMA Experiment**	2023 WG1: Solar (including interior) and coronal	2023 Session 02. The Structure & Evolution of Active-Region Coronal Currents
022	Jon A. Linker (Predictive Science Inc.), Cooper Downs (Predictive Science Inc.), Ronald M. Caplan (Predictive Science Inc.), Tibor Torok (Predictive Science Inc.), Viacheslav Titov (Predictive Science Inc.)	**Partially Open Fields as the Energy Bounds for Solar Eruptions: Comparison with MHD Models**	2023 WG1: Solar (including interior) and coronal	2023 Session 02. The Structure & Evolution of Active-Region Coronal Currents
023	Ioannis Kontogiannis (Leibniz-Institute for Astrophysics Potsdam (AIP), Germany)	**The temporal evolution of non-neutralized electric currents in solar active regions**	2023 WG1: Solar (including interior) and coronal	2023 Session 02. The Structure & Evolution of Active-Region Coronal Currents
024	Brian T. Welsch (UW-Green Bay), Peter W. Schuck (NASA-GSFC), Mark G. Linton (NRL-DC)	**The Photospheric Imprints of Coronal Electric Currents**	2023 WG1: Solar (including interior) and coronal	2023 Session 02. The Structure & Evolution of Active-Region Coronal Currents
025	James Leake (NASA: GSFC), Lars Daldorff (CUA), Peter Schuck (NASA:GSFC), Mark Linton (NRL)	**On the Photospheric Imprints of Solar Coronal Electric Currents**	2023 WG1: Solar (including interior) and coronal	2023 Session 02. The Structure & Evolution of Active-Region Coronal Currents
026	Alexandre Brosius (Penn State/GSFC), Tim Kane (Penn State), Jaye Verniero (GSFC)	**Exploring PSP perihelion using MVðbius transformations of magnetometer data**	2023 WG1: Solar (including interior) and coronal	2023 Session 02. The Structure & Evolution of Active-Region Coronal Currents|2023 Session 03. Solar-stellar eruption analogy: observations and models|2023 Session 13. Energy release in the lower corona and its connection with the slow solar wind|2023 Student Poster
027	Wen He (UAH), Qiang Hu (UAH), Ju Jing (NJIT), Haimin Wang (NJIT)	**Coronal Magnetic Field Extrapolation and Topological Analysis of Fine-Scale Structures during Solar Flare Precursors**	2023 WG1: Solar (including interior) and coronal	2023 Session 02. The Structure & Evolution of Active-Region Coronal Currents|2023 Session 04. Multiwavelength diagnostics of the magnetic environment of coronal mass ejections (CMEs) and their precursors|2023 Session 05. Quantification and clustering of different CME initiation methods ‚Äì numerical and observational analysis|2023 Student Poster

028	Chris R. Gilly (Southwest Research Institute), Chris Lowder (Southwest Research Institute), Craig Deforest (Southwest Research Institute)	**Automated Modeling of the Solar Wind with FLUXPipe, a Fluxon Framework**	2023 WG1: Solar (including interior) and coronal	2023 Session 02. The Structure & Evolution of Active-Region Coronal Currents|2023 Session 04. Multiwavelength diagnostics of the magnetic environment of coronal mass ejections (CMEs) and their precursors|2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques
029	S. K. Antiochos (U Michigan), C. R. DeVore (NASA/GSFC), K. J. Knizhnik (NRL), L. K. S. Daldorff (NASA/GSFC), P. W. Schuck (NASA/GSFC)	**Understanding the Role of Magnetic Helicity in Filament Channel Formation**	2023 WG1: Solar (including interior) and coronal	2023 Session 02. The Structure & Evolution of Active-Region Coronal Currents|2023 Session 05. Quantification and clustering of different CME initiation methods ‚Äì numerical and observational analysis
030	Michael Hahn (Columbia University), Mahboubeh Asgari-Targhi (Harvard-Smithsonian Center for Astrophysics), Daniel Wolf Savin (Columbia University)	**Anisotropic Non-Thermal Velocities in Active Region Coronal Loops**	2023 WG1: Solar (including interior) and coronal	2023 Session 02. The Structure & Evolution of Active-Region Coronal Currents|2023 Session 13. Energy release in the lower corona and its connection with the slow solar wind
031	Yuta Notsu (CU Boulder/LASP/NSO), Adam F. Kowalski (CU Boulder/LASP/NSO), Hiroyuki Maehara (NAOJ), Kosuke Namekata (NAOJ), Kenji Hamaguchi (NASA/GSFC & UMBC), Teruaki Enoto (Kyoto University), Isaiah I. Tristan (CU Boulder/LASP/NSO), Suzanne L. Hawley (University of Washington), James R. A. Davenport (University of Washington), Satoshi Honda (University of Hyogo), Kai Ikuta (University of Tokyo), Shun Inoue (Kyoto University), Keiichi Namizaki (Kyoto University), Daisaku Nogami (Kyoto University), Kazunari Shibata (Kyoto University)	**Blue asymmetries in Balmer lines and possible mass ejections during mid M dwarf flares**	2023 WG1: Solar (including interior) and coronal	2023 Session 03. Solar-stellar eruption analogy: observations and models
032	Zihao Yang (Peking University; NCAR/HAO), Hui Tian (Peking University), Yu Xu (Peking University), Xianyu Liu (Peking University)	**Is it possible to detect CMEs on solar-type stars through EUV spectral observations?**	2023 WG1: Solar (including interior) and coronal	2023 Session 03. Solar-stellar eruption analogy: observations and models|2023 Student Poster
033	Tomczyk, S. (HAO/NCAR), Gibson, S. (HAO/NCAR), Deluca, E. (SAO/Harvard), Landi, E. (U. Mich), Lin, H., (U. Hawaii), Zhang, J. (GMU), Martinez Pillet, V. (NSO), Burkepile, J. (HAO/NCAR), deWijn, A.. (HAO/NCAR), Gilbert, H. (HAO/NCAR)	**Coronal Solar Magnetism Observatory**	2023 WG1: Solar (including interior) and coronal	2023 Session 04. Multiwavelength diagnostics of the magnetic environment of coronal mass ejections (CMEs) and their precursors
034	Maurice Wilson (NCAR HAO), Steve Tomczyk (NCAR HAO), Sarah Gibson (NCAR HAO), Joan Burkepile (NCAR HAO), Giuliana de Toma (NCAR HAO), Ben Berkey (NCAR HAO), Marc Cotter (NCAR HAO), Michael Galloy (NCAR HAO), Enrico Landi (University of Michigan), Lisa Perez-Gonzalez (NCAR HAO)	**First light and science of the UCoMP at MLSO: the magnetic and thermodynamic morphology of CMEs**	2023 WG1: Solar (including interior) and coronal	2023 Session 04. Multiwavelength diagnostics of the magnetic environment of coronal mass ejections (CMEs) and their precursors
035	Surajit Mondal (NJIT), Bin Chen (NJIT), Dale E. Gary (NJIT), Gregg Hallinan (CALTECH), Marin Anderson (JPL), Ivey Davis (CALTECH), Brian O‚ÄôDonnell (NJIT), Sherry Chhabra (GMU), Casey Law (CALTECH), Yuping Huang (CALTECH), and the OVRO-LWA Team	**Using radio observations to constrain magnetic fields in the CME plasma**	2023 WG1: Solar (including interior) and coronal	2023 Session 04. Multiwavelength diagnostics of the magnetic environment of coronal mass ejections (CMEs) and their precursors
036	Holly Gilbert (HAO), CMEx team (various affiliations)	**The Chromospheric Magnetism Explorer (CMEx)**	2023 WG1: Solar (including interior) and coronal	2023 Session 04. Multiwavelength diagnostics of the magnetic environment of coronal mass ejections (CMEs) and their precursors
037	Alin Paraschiv	**Can we Infer and invert Solar Coronal 3D Magnetic Fields using IQU-only Spectropolarimetry?**	2023 WG1: Solar (including interior) and coronal	2023 Session 04. Multiwavelength diagnostics of the magnetic environment of coronal mass ejections (CMEs) and their precursors
038	Tingyu Gou (CfA), Rui Liu (USTC), Astrid Veronig (Uni Graz), Bin Zhuang (UNH), Ting Li (NAO), Wensi Wang (USTC), Mengjiao Xu (USTC), Yuming Wang (USTC)	**Complete replacement of magnetic flux in a flux rope during a coronal mass ejection**	2023 WG1: Solar (including interior) and coronal	2023 Session 04. Multiwavelength diagnostics of the magnetic environment of coronal mass ejections (CMEs) and their precursors
039	K. Dissauer (NWRA), G. Barnes (NWRA), KD Leka (NWRA and Nagoya University / ISEE), Eric Wagner (NWRA)	**What is the true relationship between "precursor" activity, magnetic topology, and solar eruptive events?**	2023 WG1: Solar (including interior) and coronal	2023 Session 04. Multiwavelength diagnostics of the magnetic environment of coronal mass ejections (CMEs) and their precursors
040	Michael Galloy (NCAR/High Altitude Observatory), Steven Tomczyk (NCAR/High Altitude Observatory), Enrico Landi (University of Michigan), Ben Berkey (NCAR/High Altitude Observatory), Joan Burkepile (NCAR/High Altitude Observatory), Marc Cotter (NCAR/High Altitude Observatory), Dennis Gallagher (Ball Aerospace), Rob Graves (NCAR/High Altitude Observatory), Philip Oakley (Ball Aerospace), Lisa Perez-Gonzalez (NCAR/High Altitude Observatory), Scott Sewell (NCAR/High Altitude Observatory), Giuliana de Toma (NCAR/High Altitude Observatory), Zihao Yang (Peking University), Pat Zmarzly (NCAR/High Altitude Observatory)	**Initial Observations With the Upgraded Coronal Multi-channel Polarimeter (UCoMP)**	2023 WG1: Solar (including interior) and coronal	2023 Session 04. Multiwavelength diagnostics of the magnetic environment of coronal mass ejections (CMEs) and their precursors
041	Jeongwoo Lee (NJIT)	**Partial eruption of double flux ropes and its implication for torus instability**	2023 WG1: Solar (including interior) and coronal	2023 Session 04. Multiwavelength diagnostics of the magnetic environment of coronal mass ejections (CMEs) and their precursors|2023 Session 05. Quantification and clustering of different CME initiation methods ‚Äì numerical and observational analysis
042	J.T. Burkepile (NCAR/HAO), M. D. Galloy (NCAR/HAO), B. Berkey (NCAR/HAO), L. Perez-Gonzalez(NCAR/HAO), M. Cotter (NCAR/HAO), O.C. St. Cyr (NASA GSFC ret.), I.G. Richardson (NASA/GSFC), W. T. Thompson (NASA GSFC), M.L. Mays (NASA/CCMC), J. Jones (NASA/CCMC), P. R. Quinn (NASA/SRAG), R. Egeland (NASA/SRAG)	**Near-real-time Coronal Mass Ejection Alerts as part of an Early Warning Forecasting System for Solar Energetic Particle (SEP) events**	2023 WG1: Solar (including interior) and coronal	2023 Session 04. Multiwavelength diagnostics of the magnetic environment of coronal mass ejections (CMEs) and their precursors|2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques
043	Graham Barnes (NWRA), Marc DeRosa (LMSAL), Shaela Jones (NASA GSFC), Nick Arge (NASA GSFC), Carl Henney (AFRL), Karin Dissauer (NWRA), Mark Cheung (CSIRO)	**A Statistical Analysis of Topological Features that Impact the Eruptivity of Solar Flares**	2023 WG1: Solar (including interior) and coronal	2023 Session 05. Quantification and clustering of different CME initiation methods ‚Äì numerical and observational analysis

044	Elizabeth Wraback (University of Michigan), Enrico Landi (University of Michigan), Ward Manchester (University of Michigan)	**Simulating the Cartwheel CME for Comparison to High-Resolution EUV Spectroscopy**	2023 WG1: Solar (including interior) and coronal	2023 Session 05. Quantification and clustering of different CME initiation methods ‚Äì numerical and observational analysis|2023 Session 06. Revisiting the Three-Part Structure of Coronal Mass Ejections by Combining the Advanced Remote-sensing and In-situ Observations|2023 Student Poster
045	Shaheda Begum Shaik (George Mason University), Mark Linton (Naval Research Laboratory), Sarah Gibson (National Center for Atmospheric Research),Phillip Hess (Naval Research Laboratory), Robin Colaninno (Naval Research Laboratory), and Erika Palmerio (Predictive Science Inc.,)	**Nested Rings Cavity CME observed on 20 January 2021 by the WISPR Imager onboard Parker Solar Probe - I**	2023 WG1: Solar (including interior) and coronal	2023 Session 06. Revisiting the Three-Part Structure of Coronal Mass Ejections by Combining the Advanced Remote-sensing and In-situ Observations
046	Alessandro Liberatore (JPL/CALTECH), Paulett Liewer (JPL/CALTECH), Marco Velli (UCLA), Olga Panasenco (Adv.Helio), Angelos Vourlidas (JHU-APL), Carlos R. Braga (G.Mason Univ.), Daniele Telloni (INAF-OATo), Salvatore Mancuso (INAF-OATo)	**Multi-Spacecraft Observations of the 2022 March 25 CME and EUV Wave: A frame by frame Analysis of their Propagation and Interrelation**	2023 WG1: Solar (including interior) and coronal	2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere
047	Samuel T. Badman (Center for Astophysics | Harvard & Smithsonian), Yeimy J. Rivera (Center for Astophysics | Harvard & Smithsonian), Stuart D. Bale (University of California, Berkeley), Michael L. Stevens (Center for Astophysics | Harvard & Smithsonian)	**Global coronal structure and possible new insights in the upcoming perihelia of Parker Solar Probe**	2023 WG1: Solar (including interior) and coronal	2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere|2023 Session 13. Energy release in the lower corona and its connection with the slow solar wind
048	Sarah A. Spitzer (University of Michigan), Susan T. Lepri (University of Michigan), Jim M. Raines (University of Michigan), Frederic Allegrini (Southwest Research Institute), Stefano Livi (Southwest Research Institute, University of Michigan), Jason A. Gilbert (University of Michigan), Connor P. Raines (University of Michigan), Austin N. Glass (University of Michigan), Keiichi Ogasawara (Southwest Research Institute), Mark Phillips (Southwest Research Institute)	**A Performance Assessment of the Solar Orbiter Heavy Ion Sensor**	2023 WG1: Solar (including interior) and coronal	2023 Session 08. Understanding the solar wind from its origin to heliosphere through the lens of heavy ion composition
049	Liang Zhao (University of Michigan), Sue Lepri (University of Michigan), Enrico Landi (University of Michigan), and Daniel Carpenter (University of Michigan)	**Revealing the Coronal Origins of the Slow Solar Wind using the Dependences of its Properties on the Oxygen and Carbon Charge State Ratios measured by ACE/SWICS and SOLO/HIS**	2023 WG1: Solar (including interior) and coronal	2023 Session 08. Understanding the solar wind from its origin to heliosphere through the lens of heavy ion composition
050	Daniel Carpenter (University of Michigan), Henry Han (Baylor University), Liang Zhao (University of Michigan), Susan T. Lepri (University of Michigan)	**Dimension Reduction Stacking for Deep Solar Wind Clustering**	2023 WG1: Solar (including interior) and coronal	2023 Session 08. Understanding the solar wind from its origin to heliosphere through the lens of heavy ion composition
051	Alexandros Koukras (Columbia University), Michael Hahn (Columbia University), Daniel W. Savin (Columbia University)	**Elemental abundance variations across coronal hole boundaries**	2023 WG1: Solar (including interior) and coronal	2023 Session 08. Understanding the solar wind from its origin to heliosphere through the lens of heavy ion composition|2023 Session 13. Energy release in the lower corona and its connection with the slow solar wind
052	Gregory Szypko (Rice University), Grant Gorman (Rice University), Stephen Bradshaw (Rice University)	**Modeling fluid evolution of interchange reconnection aftermath**	2023 WG1: Solar (including interior) and coronal	2023 Session 08. Understanding the solar wind from its origin to heliosphere through the lens of heavy ion composition|2023 Session 13. Energy release in the lower corona and its connection with the slow solar wind|2023 Student Poster
053	Tamar Ervin (Space Sciences Laboratory | UC Berkeley), Stuart D. Bale (Space Sciences Laboratory | UC Berkeley), Samuel Badman (Center for Astrophysics | Harvard & Smithsonian), Pete Riley (Predictive Science Inc.), Yeimy Rivera (Center for Astrophysics | Harvard & Smithsonian)	**Characterizing and Identifying the Source Regions of the Slow Solar Wind**	2023 WG1: Solar (including interior) and coronal	2023 Session 08. Understanding the solar wind from its origin to heliosphere through the lens of heavy ion composition|2023 Session 13. Energy release in the lower corona and its connection with the slow solar wind|2023 Student Poster
054	Tania Varesano (SwRI), Donald Hassler (SwRI)	**SPICE Connection Mosaics to Link the Sun's Surface and the Heliosphere**	2023 WG1: Solar (including interior) and coronal	2023 Session 08. Understanding the solar wind from its origin to heliosphere through the lens of heavy ion composition|2023 Student Poster
055	Kalman J. Knizhnik (NRL), Micah J. Weberg (GMU), Elena Provornikova (APL), Harry P. Warren (NRL), Mark G. Linton (NRL), Shaheda Begum Shaik (GMU), Yuan-Kuen Ko (NRL), Ignacio Ugarte-Urra (NRL), Lisa B. Upton (SSRC)	**Modeling In-Situ Measurements From Parker Solar Probe Encounter 12**	2023 WG1: Solar (including interior) and coronal	2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques
056	Samuel Schonfeld (Institute for Scientific Research, Boston College), Carl Henney (AFRL/Space Vehicles Directorate), Shaela Jones (NASA Goddard Space Flight Center), Nick Arge (NASA Goddard Space Flight Center)	**Integrating SolO/PHI farside magnetograms into global solar magnetic maps**	2023 WG1: Solar (including interior) and coronal	2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques
057	Nat Mathews (NASA GSFC), Barbara Thompson (NASA GSFC)	**A Machine Learning Approach to Reconstructing Magnetohydrostatic Coronal Active Regions**	2023 WG1: Solar (including interior) and coronal	2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques
058	Talwinder Singh (The University of Alabama in Huntsville), Christian Hall (The University of Alabama in Huntsville), Timothy Newman (The University of Alabama in Huntsville), Bernard Benson (McLeod Software Corporation), Syed Raza (The University of Alabama in Huntsville), Nikolai Pogorelov (The University of Alabama in Huntsville)	**Solar Flare Forecasting using Machine Learning and SDO/HMI Data: A Comparison of Multiple ML Models and AR Parameter Time Series**	2023 WG1: Solar (including interior) and coronal	2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques

059	Alison Jarvis (CIRES/NOAA), Christian Bethge (CIRES/NOAA), Jonathan M. Darnel (CIRES/NOAA), Gabriel I. Dima (CIRES/NOAA), J. Marcus Hughes (SWRI), Fadil Inceoglu (CIRES/NOAA), Larisza D. Krista (CIRES/NOAA), Donald Schmit (CIRES/NOAA)	**Using solar thematic maps to demonstrate challenges in creating ground truth data for machine learning**	2023 WG1: Solar (including interior) and coronal	2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques
060	Kelly Victor-French (NRL), Karl Battams (NRL), Brian Wood (NRL)	**The Relationship between Coronal Mass Ejections and Brightness of the Corona**	2023 WG1: Solar (including interior) and coronal	2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques|2023 Student Poster
061	Nicolas Trueba (CfA), John Raymond (CfA), Cooper Downs (PSI), Chengcai Shen (CfA), Roberto Lionello (PSI), Nick Murphy (CfA), Susan Lepri (Michigan), Katharine Reeves (CfA), Yeimy Rivera (CfA), Maurice Wilson (HAO)	**A Full 3D Model of a Coronal Shock Wave Observed by SDO/AIA**	2023 WG1: Solar (including interior) and coronal	2023 Session 11. Understanding the role of turbulence and diffusion in SEP and GCR transport in the heliosphere|2023 Session 18. What radio data can do for you!
062	Samuel Van Kooten (Southwest Research), Craig DeForest (Southwest Research), Megan Kenny (Southwest Research, CU Boulder)	**Measuring solar wind speeds with WISPR via apparent motion**	2023 WG1: Solar (including interior) and coronal	2023 Session 13. Energy release in the lower corona and its connection with the slow solar wind
063	Judit Szente (University of Michigan), Enrico Landi (University of Michigan), Bart van der Holst (University of Michigan)	**Decomposition of narrowband and spectral imaging**	2023 WG1: Solar (including interior) and coronal	2023 Session 13. Energy release in the lower corona and its connection with the slow solar wind
064	A. K. Higginson (NASA GSFC), S. K. Antiochos (University of Michigan), C. R. DeVore (NASA GSFC)	**What is the width of a slow wind separatrix-web arc in the heliosphere?**	2023 WG1: Solar (including interior) and coronal	2023 Session 13. Energy release in the lower corona and its connection with the slow solar wind
065	Qin Li (NJIT), Haimin Wang (NJIT)	**Observation of Mini-Filament Eruption As Possible Source of Small Magnetic Flux Rope Detected by Parker Solar Probe**	2023 WG1: Solar (including interior) and coronal	2023 Session 13. Energy release in the lower corona and its connection with the slow solar wind
066	Samaiyah Farid (UCAR), Chandler Jenkins (Washington State University), Aidan Halpin (Metropolitan State University of Denver)	**Analysis of White-light Coronal Jets**	2023 WG1: Solar (including interior) and coronal	2023 Session 13. Energy release in the lower corona and its connection with the slow solar wind
067	Philip A. Isenberg (UNH), Bernard J. Vasquez (UNH)	**Kinetic Model of Fast Solar Wind Generation and Heating by Kinetic Alfvv©n Wave Turbulence**	2023 WG1: Solar (including interior) and coronal	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas|2023 Session 15. What are the Basic Building Blocks of Solar Wind Turbulence?|2023 Session 16. Multiscale Nature of Heliospheric Turbulence from Inertial Scales to Dissipation Range
068	Dale E. Gary (NJIT), EOVSA and OVRO-LWA Teams	**The Expanded Owens Valley Solar Array (EOVSA) and OVRO-Long-Wavelength-Array (OVRO-LWA) Radio Facilities**	2023 WG1: Solar (including interior) and coronal	2023 Session 18. What radio data can do for you!
069	Brian O'Donnell (NJIT-Center for Solar Terrestrial Research), Dale E. Gary (NJIT-Center for Solar Terrestrial Research), Gregory D. Fleishman (NJIT-Center for Solar Terrestrial Research), Bin Chen (NJIT-Center for Solar Terrestrial Research)	**Fitting Spatially-Resolved Transport Parameters from Solar Flares Light Curves**	2023 WG1: Solar (including interior) and coronal	2023 Session 18. What radio data can do for you!|2023 Student Poster
070	Oliver E. K. Rice (Durham University), Anthony R. Yeates (Durham University)	**Eruptivity Criteria for Solar Coronal Flux Ropes**	2023 WG1: Solar (including interior) and coronal	2023 Student Poster
071	Megan Kenny(1), Craig DeForest(2), Sam Van Kooten(3)	**Translational Tomography of the Solar Corona with Parker Solar Probe's WISPR**	2023 WG1: Solar (including interior) and coronal	2023 Student Poster
072	Roger Pujadas i Rello (NASA GSFC), Teresa Nieves-Chinchilla (NASA GSFC)	**Creating and Refining Parameters to Investigate Compression, Asymmetry, and Space Medium Interactions of Magnetic Obstacles**	2023 WG1: Solar (including interior) and coronal	2023 Student Poster
073	S. Roy (Center for Astrophysics | Harvard & Smithsonian), K. Reeves (Center for Astrophysics | Harvard & Smithsonian), C. Moore (Center for Astrophysics | Harvard & Smithsonian), D. Tripathi (Inter-University Centre for Astronomy and Astrophysics), S. Musset (European Space Research and Technology Centre)	**Thermal and Non-thermal Energy Evolution in Solar Flares**	2023 WG1: Solar (including interior) and coronal	2023 Student Poster
074	Jiayi Liu (University of Hawaii), Xudong Sun (University of Hawaii), Peter Schuck (NASA Goddard Space Flight Center), Sarah Jaeggli (NSO), Brian Welsch (University of Wisconsin-Green Bay), Carlos Quintero Noda (Departamento de Astrof ÃÅƒ±sica, Universidad de La Laguna)	**Large Photospheric Doppler Shift in Solar Active Region 12673: I. Field-Aligned Flows**	2023 WG1: Solar (including interior) and coronal	2023 Student Poster
075	Ian Berry (Institute for Astronomy, University of Hawai'i'), Xudong Sun (Institute for Astronomy, University of Hawai'i'), Sarah Jaeggli (National Solar Observatory), Wei Liu (Lockheed Martin Solar and Astrophysics Laboratory)	**Searching for Photospheric Responses of Solar Eruptions with Near-UV Absorption Lines**	2023 WG1: Solar (including interior) and coronal	2023 Student Poster
076	Andrew M. Leisner (George Mason University), Jeremey A. Grajeda (New Mexico State University), C. Nick Arge (NASA/GSFC), Michael Kirk (ASTRA), Laura Boucheron (New Mexico State University), Jie Zhang (George Mason University)	**Validating Model Predicted Coronal Holes with Synchronic Coronal Hole Maps**	2023 WG1: Solar (including interior) and coronal	2023 Student Poster
077	Griffin Goodwin (Georgia State University), Viacheslav Sadykov (Georgia State University), Petrus Martens (Georgia State University)	**Investigating Performance Trends of Simulated Real-time Solar Flare Predictions: The Impacts of Training Windows, Data Volumes, and the Solar Cycle**	2023 WG1: Solar (including interior) and coronal	2023 Student Poster
078	Mia Mancuso (NJIT), Ju Jing (NJIT), Haimin Wang (NJIT)	**Investigation of two C-class solar flares utilizing high resolution HŒ± data**	2023 WG1: Solar (including interior) and coronal	2023 Student Poster
079	Yang Zhang (Caltech), Paul M. Bellan (Caltech)	**Equilibrium of braided flux ropes with helical symmetry**	2023 WG1: Solar (including interior) and coronal	2023 Student Poster
080	Daniel Carpenter (University of Michigan), Susan Lepri (University of Michigan), Liang Zhao (University of Michigan)	**A Detailed Look at Average Heavy Ion Charge State Distributions at ACE and SolO**	2023 WG1: Solar (including interior) and coronal	2023 Student Poster

081	Asante, I.K.(Georgia State University), Sadykov V.M. (Georgia State University)	**Modeling of SDO/HMI Line-Of-Sight Observables and Their Dependence on Spacecraft Radial Velocities for 3D Radiative MHD Simulations of the Sun**	2023 WG1: Solar (including interior) and coronal	2023 Student Poster
082	Eleni Nikou (George Mason University, Department of Physics and Astronomy, 4400 University Drive, Fairfax, VA 22030, USA), Jie Zhang (George Mason University, Department of Physics and Astronomy, 4400 University Drive, Fairfax, VA 22030, USA)	**Study of the 3D CME geometry and kinematics using multiple viewpoints and uncertainty analysis.**	2023 WG1: Solar (including interior) and coronal	2023 Student Poster
083	Joy Velasquez (harvard smithsonian center for astrophysics), Michael Stevens (harvard smithsonian center for astrophysics)	**Parker Solar Probe encounters: Do radial statistics lie?**	2023 WG1: Solar (including interior) and coronal	2023 Student Poster
084	Ivan Oparin (New Jersey Institute of Technology), Sabastian Fernandes (New Jersey Institute of Technology), Bin Chen (New Jersey Institute of Technology), Chengcai Shen (Center for Astrophysics | Harvard & Smithsonian), Xiaocan Li (Dartmouth College), Sijie Yu (New Jersey Institute of Technology), Fan Guo (Los Alamos National Laboratory)	**The Nature of Candle-Flame-Shaped Solar Flares: Insights from 3D Emission Modeling**	2023 WG1: Solar (including interior) and coronal	2023 Student Poster
085	Xudong Sun (U Hawaii), Kai Yang (U Hawaii), Lucas Tarr (NSO), Matthias Rempel (HAO), Curt Dodds (U Hawaii), Sarah Jaeggli (NSO), Peter Sadowski (U Hawaii), Thomas Schad (NSO), Ian Cunnyngham (U Hawaii), Jiayi Liu (U Hawaii)	**Spectropolarimetric Inversion in Four Dimensions with Deep Learning (SpIn4D): Overview, Magnetohydrodynamic Modeling, and Stokes Profile Synthesis**	2023 WG1: Solar (including interior) and coronal	
086	Aparna V., Sanjiv Tiwari, Navdeep Panesar, Ronald Moore, Bart De Pontieu, Thomas Wiegelmann, Brian Welsch	**Investigating Active Region Coronal Loop heating in non-Eruptive Solar Active Regions**	2023 WG1: Solar (including interior) and coronal	
087	khagendra Katuwal(NMSU), R.T. James McAteer(NMSU)	**STUDY OF MAGNETIC FIELD CONFIGURATION IN THE EQUATORIAL CORONAL HOLES.**	2023 WG1: Solar (including interior) and coronal	
088	Savannah Perez-Piel (Space Sciences Laboratory, University of California Berkeley), Juan Camilo Buitrago-Casas (Space Sciences Laboratory, University of California Berkeley), Juan Carlos MartV≠nez Oliveros (Space Sciences Laboratory, University of California Berkeley), Charles Lindsey (Northwest Research Associates)	**Confirmation of Submerged Sources with Computational Helioseismic Holography**	2023 WG1: Solar (including interior) and coronal	
089	J. T. Dahlin (U. Maryland), S. K. Antiochos (U. Michigan), B. Van der Holst (U. Michigan), G. Toth (U. Michigan), T. Gombosi (U. Michigan), W. Manchester (U. Michigan), C. R. DeVore (NASA GSFC)	**First Results on Energizing Coronal Mass Ejections Using the STITCH Method in the Space Weather Modeling Framework**	2023 WG1: Solar (including interior) and coronal	
090	Cooper Downs (Predictive Science Inc), Jon A. Linker (Predictive Science Inc), Ronald M. Caplan (Predictive Science Inc), and the Solo/PHI team (MPS)	**Estimating the Radial Field Component from LOS Magnetograms: A Practical Pipeline and Case Study for the September 5, 2022 Backside Event**	2023 WG1: Solar (including interior) and coronal	
091	Gilchrst, S.A. (Planetary Science Institute), Odgren, M. (Planetary Science Institute, Evergreen High School), Welsch, B.T. (University of Wisconsin-Green Bay)	**Photospheric imprints of coronal current due to sigmoids**	2023 WG1: Solar (including interior) and coronal	
092	Valmir Moraes Filho (Catholic University of America at NASA/GSFC), Vadim Uritsky (Catholic University of America at NASA/GSFC), Barbara Thompson (NASA Goddard Space Flight Center), Sarah Gibson (University Corporation for Atmospheric Research), Craig DeForest (Southwest Institute Research)	**SynCOM: The training data for flow tracking algorithms**	2023 WG1: Solar (including interior) and coronal	
093	Mehmet Sarp Yalim (University of Alabama in Huntsville), Christian Beck (National Solar Observatory), Debi Prasad Choudhary (California State University, Northridge), Sanjiv Tiwari (Bay Area Environmental Research Institute), Sushree Nayak (University of Alabama in Huntsville), Qiang Hu (University of Alabama in Huntsville), Makayla Frisse (University of Alabama in Huntsville), Brayden Sellers (University of Alabama in Huntsville), Gary P. Zank (University of Alabama in Huntsville)	**A Data-Constrained Analysis for Joule Heating as a Solar Active Region Atmosphere Heating Mechanism**	2023 WG1: Solar (including interior) and coronal	
094	John Stefan (NJIT), Alexander Kosovichev (NJIT)	**Helioseismic Assessment of Subsurface Magnetic Fields in Stable Sunspots**	2023 WG1: Solar (including interior) and coronal	
095	Kevin Brooks, R. T. James McAteer	**Differential Rotation over a Solar Cycle**	2023 WG1: Solar (including interior) and coronal	
096	M. Casti (CUA, NASA/GSFC), C. N. Arge (NASA/GSFC), A. Bemporad (INAF ,Äì Turin Astrophysical Observatory), Rui F. Pinto (IRAP, UniversitV© Toulouse III ,Äì Paul Sabatier, CNRS, CNES), C. J. Henney (Air Force Research Laboratory)	**Linking the measured solar wind speed to the modelled coronal magnetic field.**	2023 WG1: Solar (including interior) and coronal	
097	Nour E. Raouafi (JHUAPL), Stenborg, G. (JHUAPL), Seaton, D. B. (SwRI), Wang, H. (NJIT), Wang, J. (NJIT), DeForest, C. E. (SwRI), Bale, S. D. (UCB/SSL), Drake, J. F. (UMD), Uritsky, V. M. (CUA), Karpen, J. T. (GSFC), DeVore, C. R. (GSFC), Sterling, A. C. (MSFC), Horbury, T. S. (Imperial College London), Harra, L. K. (ETH-Zurich), Bourouaine, S. (FIT, Florida), Kasper, J. C. (BWXT), Kumar, P. (NASA/GSFC), Phan, T. D. (UCB/SSL), Velli, M. (UCLA)	**Magnetic Reconnection and jetlets as the Driver of the Solar Wind**	2023 WG1: Solar (including interior) and coronal	

098	Silvina E. Guidoni (American University), Teresa Nieves-Chinchilla (NASA Goddard Space Flight Center)	**Characterization of Flux-Rope Cross-Section Distortions at Early Stages of Simulated Coronal Mass Ejections**	2023 WG1: Solar (including interior) and coronal|2023 WG2: Interplanetary	2023 Session 04. Multiwavelength diagnostics of the magnetic environment of coronal mass ejections (CMEs) and their precursors|2023 Session 05. Quantification and clustering of different CME initiation methods ‚Äì numerical and observational analysis|2023 Session 06. Revisiting the Three-Part Structure of Coronal Mass Ejections by Combining the Advanced Remote-sensing and In-situ Observations|2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere|2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques
099	Carlos R. Braga (George Mason University), Vamsee Krishna Jagarlamudi (JHUAPL), Angelos Vourlidas (JHUAPL), Guillermo Stenborg (JHUAPL), Teresa Nieves-Chinchilla (NASA, Goddard Space Flight Center)	**A coronal mass ejection impacting Parker Solar Probe at 14 solar radii**	2023 WG1: Solar (including interior) and coronal|2023 WG2: Interplanetary	2023 Session 05. Quantification and clustering of different CME initiation methods ‚Äì numerical and observational analysis|2023 Session 06. Revisiting the Three-Part Structure of Coronal Mass Ejections by Combining the Advanced Remote-sensing and In-situ Observations|2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere
100	Bin Zhuang (UNH), Nov© Lugaz (UNH), Nada Al-Haddad (UNH), Camilla Scolini (UNH), Charles J. Farrugia (UNH), Florian Regnault (UNH), Emma E. Davies (ASWO), Wenyuan Yu (UNH), Rv©ka Winslow (UNH), and Antoinette B. Galvin (UNH)	**Combining STEREO/HIs and Solar Orbiter Observations to Investigate the Evolution and Radial Expansion of the 2022-March-10 CME Event in the Innermost Heliosphere**	2023 WG1: Solar (including interior) and coronal|2023 WG2: Interplanetary	2023 Session 06. Revisiting the Three-Part Structure of Coronal Mass Ejections by Combining the Advanced Remote-sensing and In-situ Observations|2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere
101	Ruoyu Wang (University of Michigan Computer Science), Richard E. L. Higgins (University of Michigan Computer Science), David F. Fouhey (University of Michigan Computer Science), Spiro K. Antiochos (University of Michigan Climate and Space), Graham Barnes (NorthWest Research Associates), J. Todd Hoeksema(Stanford University), K. D. Leka (NorthWest Research Associates), Yang Liu (Stanford University), Peter W. Schuck (NASA GSFC), Ward Manchester (University of Michigan Climate and Space) and Tamas I. Gombosi (University of Michigan Climate and Space)	**Using Deep Learning to Optimize Photospheric Br Maps to Drive Global Corona/Inner Heliosphere Simulations**	2023 WG1: Solar (including interior) and coronal|2023 WG2: Interplanetary	2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques
102	Zhenguang Huang (University of Michigan), Gabor Toth (University of Michigan), Nishtha Sachdeva (University of Michigan), Lulu Zhao (University of Michigan), Bart van der Holst (University of Michigan), Igor Sokolov (University of Michigan), Ward B. Manchester (University of Michigan), and Tamas I. Gombosi (University of Michigan)	**The Average Energy Deposition Rate in the Open Field Regions**	2023 WG1: Solar (including interior) and coronal|2023 WG2: Interplanetary	2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques|2023 Session 13. Energy release in the lower corona and its connection with the slow solar wind
103	Lois J. Landwer(CIRES/NOAA), Hazel Bain(CIRES/NOAA), Mark Miesch (CIRES/NOAA), George Millward (CIRES/NOAA), Enrico Camporeale (CIRES/NOAA), Eric Adamson (NOAA)	**Validation of machine learning models for classification of solar wind**	2023 WG1: Solar (including interior) and coronal|2023 WG2: Interplanetary	2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques|2023 Session 20. Concepts for Future Solar and Solar Wind Missions
104	Minami Yoshida (The University of Tokyo, ISAS/JAXA), Toshifumi Shimizu (ISAS/JAXA, The University of Tokyo), Shin Toriumi (ISAS/JAXA)	**Decomposing the global solar magnetic field to understand the IMF evolution: a new suggestion for the open flux problem**	2023 WG1: Solar (including interior) and coronal|2023 WG2: Interplanetary	2023 Session 20. Concepts for Future Solar and Solar Wind Missions|2023 Student Poster
105	Lizet S. Casillas (UCLA), Marco Velli (UCLA)	**The Structure and Dynamics of the Forming Heliospheric Current Sheet**	2023 WG1: Solar (including interior) and coronal|2023 WG2: Interplanetary	2023 Student Poster
106	Ying Wang	**Study of the orientation of erupting magnetic fluxropes from the solar corona to 1AU**	2023 WG1: Solar (including interior) and coronal|2023 WG2: Interplanetary	2023 Student Poster
107	Kalpa Henadhira Arachchige (Department of Physics & Applied Physics, University of Massachusetts Lowell, USA), Ofer Cohen (Department of Physics & Applied Physics, University of Massachusetts Lowell, USA)	**The Connection Between the Free Parameters of a Solar Wind Model and the Sunspot Solar Cycle in the Context of Solar Wind Predictions at 1au**	2023 WG1: Solar (including interior) and coronal|2023 WG2: Interplanetary	2023 Student Poster
108	Samantha Wallace (NPP, NASA/GSFC), Nicholeen M. Viall (NASA/GSFC), C. Nick Arge (NASA/GSFC)	**Characterizing the L1 in situ observed solar wind originating from differing source region identified by ADAPT-WSA**	2023 WG1: Solar (including interior) and coronal|2023 WG2: Interplanetary	
109	Zhenguang Huang, Aniket Jivani, Hongfan Chen, Gabor Toth, Ward Manchester, Bart van der Holst.	**Evolution of a realistic CME from the Sun to 1 AU with MHD modeling**	2023 WG1: Solar (including interior) and coronal|2023 WG2: Interplanetary	
110	Malcolm Colson (University of New Hampshire)	**Rejuvenation of the Durham Neutron Monitor**	2023 WG1: Solar (including interior) and coronal|2023 WG2: Interplanetary|2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Student Poster
111	Sushant S. Mahajan (W. W. Hansen Experimental Physics Laboratory, Stanford University, Stanford, CA)	**Is Torsional Oscillation a Direct Consequence of Magnetic Energy Amplification in the Sun?**	2023 WG1: Solar (including interior) and coronal|2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Session 01. Where in the solar interior lies the seat of the dynamo?
112	Sijie Yu (NJIT), Bin Chen (NJIT), Rohit Sharma (FHNW), Timothy Bastian (NRAO), Surajit Mondal (NJIT), Dale Gary (NJIT), Yingjie Luo (U. of Glasgow), and Marina Battaglia (FHNW)	**Long-Lasting Solar Coherent Radio Bursts and Implications for Solar,ÂiStellar Connection**	2023 WG1: Solar (including interior) and coronal|2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Session 18. What radio data can do for you!
113	Sailee M. Sawant (University of Alabama in Huntsville), Gang Li (University of Alabama in Huntsville), Meng Jin (Lockheed Martin Solar and Astrophysics Laboratory)	**Driving the SEPCaster Model with an Automated Solar Active Region Identification and Characterization Module**	2023 WG1: Solar (including interior) and coronal|2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Student Poster

114	Yingjie Zhu (University of Michigan), Enrico Landi (University of Michigan)	**Active Region Heating: Flares, Loop brightening, and Coronal Rain**	2023 WG1: Solar (including interior) and coronal|2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Student Poster
115	Xiaoyan Xie (Harvard-Smithsonian Center for Astrophysics), Gang Li (University of Alabama in Huntsville), Katharine Reeves (Harvard-Smithsonian Center for Astrophysics)	**Exploring turbulence features from the observations of SDO/AIA**	2023 WG1: Solar (including interior) and coronal|2023 WG3: Solar energetic particles (including suprathermal and GCR)	
116	Chengcai Shen (CfA), John C. Raymond (CfA), Nicholas A. Murphy (CfA)	**Nonequilibrium Ionization Modeling of Petschek-type Shocks in Reconnecting Current Sheets in Solar Eruptions**	2023 WG1: Solar (including interior) and coronal|2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 04. Multiwavelength diagnostics of the magnetic environment of coronal mass ejections (CMEs) and their precursors|2023 Session 13. Energy release in the lower corona and its connection with the slow solar wind
117	J. L. Verniero (NASA/GSFC), F. Carcaboso (NASA/GSFC), C. Braga (APL), T. Nieves-Chinchilla (NASA/GSFC), K. W. Paulson (SAO), S. Badman (SAO), S. Bale (UC Berkeley), C. Cattell (U. Minnesota), S. Guidoni (American U.), J. Halekas (U. Iowa), L. Hanson (U. Minnesota), T. N. HernV°ndez (SAO), J. Kasper (U. Michigan/BWX Technologies), D. E. Larson (UC Berkeley), R. Livi (UC Berkeley), M. D. McManus (UC Berkeley), O. Panasenco (Advanced Heliophysics), A. Rahmati (UC Berkeley), Y. Rivera (SAO), O. Romeo (UC Berkeley), M. Stevens (SAO), A. Szabo (NASA/GSFC), L. B. Wilson (NASA/GSFC), P. L. Whittlesey (UC Berkeley), PSP Team	**As Seen by Parker Solar Probe: In-Situ Signatures of Wave-Particle Interactions Driven by Solar Ejecta**	2023 WG1: Solar (including interior) and coronal|2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 06. Revisiting the Three-Part Structure of Coronal Mass Ejections by Combining the Advanced Remote-sensing and In-situ Observations|2023 Session 13. Energy release in the lower corona and its connection with the slow solar wind|2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas
118	Shah Mohammad Bahauddin (University of Colorado Boulder)	**A Multi-Ion NLTE Investigation of Transient Brightenings in Solar Active Regions and Coronal Holes**	2023 WG1: Solar (including interior) and coronal|2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 08. Understanding the solar wind from its origin to heliosphere through the lens of heavy ion composition|2023 Session 13. Energy release in the lower corona and its connection with the slow solar wind
119	Rohit Chhiber (NASA GSFC and U Delaware)	**Anisotropic Magnetic Turbulence in the Inner Heliosphere,ÄïRadial Evolution of Distributions Observed by Parker Solar Probe**	2023 WG1: Solar (including interior) and coronal|2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 11. Understanding the role of turbulence and diffusion in SEP and GCR transport in the heliosphere|2023 Session 16. Multiscale Nature of Heliospheric Turbulence from Inertial Scales to Dissipation Range
120	Shan-Chang Lin (Dartmouth College), Yi-Hsin Liu (Dartmouth College), Xiaocan Li (Dartmouth College)	**Fast Magnetic Reconnection induced by Resistivity Gradients in 2D Magnetohydrodynamics**	2023 WG1: Solar (including interior) and coronal|2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Student Poster
121	Elliot Johnson (University of Delaware)	**Application of Collisional Analysis to the Differential Velocity of Solar Wind Ions**	2023 WG1: Solar (including interior) and coronal|2023 WG4: Microphysics (reconnection, turbulence, etc)	
122	Brian E. Wood (NRL)	**Probing Stellar Mass Loss with Astrospheric Lyman-alpha Absorption**	2023 WG2: Interplanetary	2023 Session 03. Solar-stellar eruption analogy: observations and models
123	Phillip Hess (NRL), Robin Colaninno (NRL), Angelos Vourlidas (APL), Guillermo Stenborg (APL), Russell Howard (APL), Shaheda Shaik (GMU)	**Internal Structural Features Observed in the First SoloHI Transients**	2023 WG2: Interplanetary	2023 Session 06. Revisiting the Three-Part Structure of Coronal Mass Ejections by Combining the Advanced Remote-sensing and In-situ Observations
124	M. DumboviÍá (4), C. Kay (2, 3) , D. Lario (2), L. K. Jian (2), L. B. Wilson III (2), R. GV≥mez-Herrero (5), M. Temmer (6), S. G. Heinemann (7), T. Nieves-Chinchilla (2), A. M. Veronig (5,8). 1. Postdoctoral Program Fellow, NASA Goddard Space Flight Center, Greenbelt, MD, USA 2. Heliophysics Science Division, NASA Goddard Space Flight Center, Greenbelt, MD, USA 3. Physics Department, The Catholic University of America, Washington, DC, USA 4. Hvar Observatory, Faculty of Geodesy, University of Zagreb, Kaciceva 26, HR-10000, Zagreb, Croatia 5. Universidad de AlcalV°, Space Research Group (SRG-UAH), Plaza de San Diego s/n, 28801 AlcalV° de Henares, Madrid, Spain 6. Institute of Physics, University of Graz, UniversitV§tsplatz 5, 8010 Graz, Austria 7. Department of Physics, University of Helsinki, P.O. Box 64, 00014, Helsinki, Finland 8. Kanzelhv∂he Observatory for Solar and Environmental Research, University of Graz, Austria	**Unveiling the Journey of a Highly Inclined CME. Insights from the March 13, 2012 Event with 110¬ Longitudinal Separation.**	2023 WG2: Interplanetary	2023 Session 06. Revisiting the Three-Part Structure of Coronal Mass Ejections by Combining the Advanced Remote-sensing and In-situ Observations|2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere|2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques
125	E. Sanchez-Garcia (SCiESMEX/LANCE, Instituto de GeofV≠sica, Universidad Nacional AutV≥noma de MV©xico); E. Aguilar-Rodriguez (SCiESMEX/LANCE, Instituto de GeofV≠sica, Universidad Nacional AutV≥noma de MV©xico); SCiESMEX/LANCE, Instituto de GeofV≠sica, Universidad Nacional AutV≥noma de MV©xico (SCiESMEX/LANCE, Instituto de GeofV≠sica, Universidad Nacional AutV≥noma de MV©xico); P. Corona-Romero (SCiESMEX/LANCE, Instituto de GeofV≠sica, Universidad Nacional AutV≥noma de MV©xico)	**Stream interaction regions in the minimum of solar cycles 23 and 24**	2023 WG2: Interplanetary	2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere
126	Cecilia Mac Cormack(Catholic University of America/NASA-Goddard Space Flight Center), Phillip Hess (U.S. Naval Research Laboratory),Robin Colaninno(U.S. Naval Research Laboratory),Teresa Nieves-Chinchilla(NASA-Goddard Space Flight Center)	**Multi-viewpoint catalogue for the first SoloHI events**	2023 WG2: Interplanetary	2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere

127	Durham, NH 03824), B. J. Vasquez (Space Science Center, University of New Hampshire, Durham, NH 03824), N. Lugaz (Space Science Center, University of New Hampshire, Durham, NH 03824), N. A. Al-Haddad (Space Science Center, University of New Hampshire, Durham, NH 03824), I. G. Richardson (NASA Goddard Space Flight Center, Heliophysics Science Division, Greenbelt, MD 20771, Department of Astronomy, University of Maryland, College Park 29742, MD), E. E. Davies (Austrian Space Weather Office, GeoSphere Austria, 8020 Graz, Austria), R. M. Winslow (Space Science Center, University of New Hampshire, Durham, NH 03824), B. Zhuang (Space Science Center, University of New Hampshire, Durham, NH 03824), C. Scolini (Space Science Center, University of New Hampshire, Durham, NH 03824), R. B. Torbert (Space Science Center, University of New Hampshire, Durham, NH 03824), L. B. Wilson III (NASA Goddard Space Flight Center, Heliophysics Science Division, Greenbelt, 20771, MD), F. Regnault (Space Science Center, University of New Hampshire, Durham, NH 03824), A. Rogers (Los Alamos National Laboratory, Los Alamos, NM), A. B. Galvin (Space Science Center, University of New Hampshire, Durham, NH 03824),	**How Magnetic Reconnection May Affect the Coherence of Interplanetary CMEs**	2023 WG2: Interplanetary	2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere
128	Sanchita Pal (Heliophysics Science Division, NASA Goddard Space Flight Center, Greenbelt, MD, United States, Department of Physics and Astronomy, George Mason University, Fairfax, VA, United States) Laura Balmaceda (Heliophysics Science Division, NASA Goddard Space Flight Center, Greenbelt, MD, United States, Department of Physics and Astronomy, George Mason University, Fairfax, VA, United States) Andreas J. Weiss (NASA Postdoctoral Program Fellow, NASA Goddard Space Flight Center, Greenbelt, MD, United States) Teresa Nieves-Chinchilla (Heliophysics Science Division, NASA Goddard Space Flight Center, Greenbelt, MD, United States), Fernando Carcaboso (Heliophysics Science Division, NASA Goddard Space Flight Center, Greenbelt, MD, United States, Department of Physics, The Catholic University of America, Washington, DC, United States), Emilia Kilpua (Department of Physics, University of Helsinki, Helsinki, Finland) and Christian MVðstl (Austrian Space Weather Office, GeoSphere Austria, Graz, Austria)	**Global insight into a complex-structured heliosphere based on the local multi-point analysis**	2023 WG2: Interplanetary	2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere
129	Evangelia Samara (NASA/GSFC), Charles N. Arge (NASA/GSFC), Rui F. Pinto (IRAP and CNES), Jasmina Magdalenic (SIDC, Royal Observatory of Belgium and KU Leuven), Luciano Rodriguez (SIDC, Royal Observatory of Belgium), Stefaan Poedts (KU Leuven and University of Maria Curie-Sk≈Çodowska)	**Calibration of WSA in EUHFORIA during the HELIOS and PSP era**	2023 WG2: Interplanetary	2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere
130	F. Regnault (University of New Hampshire), N. Al-Haddad (University of New Hampshire), N. Lugaz (University of New Hampshire), C. J. Farrugia (University of New Hampshire), W. Yu (University of New Hampshire), B. Zhuang (University of New Hampshire) and E. E. Davies (Austrian Space Weather Office)	**Discrepancies in the Properties of the 2021 November 3--5 Coronal Mass Ejection on Scales of 0.03 au Revealed by Simultaneous Measurements at Solar Orbiter and Wind**	2023 WG2: Interplanetary	2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere
131	Curt A de Koning (University of Colorado/CIRES), Dusan Odstrcil (GMU), Vic Pizzo (NOAA/SWPC), Craig DeForest (SwRI), Sarah Gibson (NCAR/HAO)	**What We Think We Know About CIRs/SIRs**	2023 WG2: Interplanetary	2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere
132	M. Ala-Lahti (University of Michigan), T. I. Pulkkinen (University of Michigan), J. Ruohotie (University of Helsinki), M. Akhavan-Tafti (University of Michigan), S. W. Good (University of Helsinki), E. K. J. Kilpua (University of Helsinki)	**Multi-point observations of the dynamics at an ICME sheath-ejecta boundary**	2023 WG2: Interplanetary	2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere|2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques
133	C. Kay (NASA GSFC/CUA), T. Nieves-Chinchilla (NASA GSFC), S. J. Hofmeister (Leibniz Institute for Astrophysics), E. Palmerio (Predictive Science)	**Modeling CME and HSS Interactions with OSPREI and MEOW-HiSS**	2023 WG2: Interplanetary	2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere|2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques
134	Lidiya Y. Ahmed1,2 , Michael L. Stevens1, Kristoff Paulson1, Anthony Case1 1 Smithsonian Astrophysical Observatory 2 Harvard University	**Analysis of Faraday Cup measurements using Artificial Neural Networks**	2023 WG2: Interplanetary	2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere|2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques|2023 Session 20. Concepts for Future Solar and Solar Wind Missions|2023 Student Poster
135	Claire L. Liu (Los Gatos High School, Los Gatos, CA), Junwei Zhao (Stanford University)	**Solar Flares and Active Regions in the Hale Sector Boundary in Solar Cycle 24**	2023 WG2: Interplanetary	2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere|2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques|2023 Student Poster

136	Nov© Lugaz (UNH), Camilla Scolini (UNH), Bin Zhuang (UNH), Charles J. Farrugia (UNH), Nada Al-Haddad (UNH), Rv©ka Winslow (UNH), Florian Regnault (UNH), Wenyuan Yu (UNH), Emma Davies (GeoSphere Austria), Christina O. Lee (UC Berkeley), Antoinette Galvin (UNH)	**Multi-Spacecraft Measurements of CMEs near 1 AU by STEREO-A and Wind: Consequences for Future Mission Concepts**	2023 WG2: Interplanetary	2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere|2023 Session 20. Concepts for Future Solar and Solar Wind Missions
137	Anthony Rasca (CIRES/NOAA)	**Comparisons of Simulated Magnetotail Conditions near the Moon during the 8-9 March 2012 Geomagnetic Storm**	2023 WG2: Interplanetary	2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques
138	N.V. Pogorelov (University of Alabama in Huntsville), C. N. Arge (Goddard Space Flight Center), P. Colella (Lawrence Berkeley National Laboratory), J. Linker (Predictive Science), B. Van Straalen (Lawrence Berkeley National Laboratory), L. M. Upton (Southwest Research Institite), R. Attie (Predictive Science), R. Caplan (Predictive Science), C. Downs (Predictive Science), C. Gebhard (Lawrence Berkeley National Laboratory), D. V. Hegde (University of Alabama in Huntsville), S. Jones (Goddard Space Flight Center), T. K. Kim (University of Alabama in Huntsville), A. Marble (University of Colorado, Boulder), S. Raza (University of Alabama in Huntsville), T. Singh (University of Alabama in Huntsville), M. Stulajter (Predictive Science), J. Turtle (Predictive Science), M. S. Yalim (University of Alabama in Hunstville)	**Systemic and Systematic Approaches to Improve Space Weather Predictions**	2023 WG2: Interplanetary	2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques
139	Connor OBrien (Boston University), Brian Walsh (Boston University), Ying Zou (JHUAPL), Samira Tasnim (Institute for Solar-Terrestrial Physics DRL), Huaming Zhang (University of Alabama in Huntsville), David Sibeck (NASA GSFC)	**PRIME: Non-Deterministic Solar Wind Propagation and Uncertainty Estimation**	2023 WG2: Interplanetary	2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques
140	Dibyendu Sur (University of Colorado Boulder)	**Inspection of possible presence of Kinetic Structures at Venus Magnetosphere using Parker Solar Probe**	2023 WG2: Interplanetary	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas
141	Lynn B. Wilson III (NASA GSFC), Chadi Salem (Berkeley SSL)	**The spacecraft potential of Wind over time**	2023 WG2: Interplanetary	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas|2023 Session 20. Concepts for Future Solar and Solar Wind Missions
142	Tien Vo (LASP - CU Boulder), Oleksiy Agapitov (SSL - UC Berkeley), Robert Ergun (LASP), Cynthia Cattell (U of Minnesota), Jack Redepenning (U of Minnesota)	**Electron scattering from whistlers collocated with magnetic field inhomogeneities**	2023 WG2: Interplanetary	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas|2023 Student Poster
143	A. Mubashir(Georgia State University), A. Ashok(Georgia State University), A.G. Bourgeois(Georgia State University), Y.T. Chien(Georgia State University), M. Connors(Georgia State University), E.Potdevin(Georgia State University), X. He(Georgia State University), P. Martens(Georgia State University), A. Mikler(Georgia State University), A.G.U. Perera(Georgia State University), V. Sadykov(Georgia State University), M.Sarsour(Georgia State University), D. Sharma(Georgia State University), C. Tiwari (Georgia State University)	**Dynamics of Cosmic Ray Muon Flux under the Influence of Earth's Atmosphere, Solar Activity, and Geomagnetic Turbulence**	2023 WG2: Interplanetary	2023 Session 19. Heliospheric Physics and Neutron Monitors|2023 Student Poster
144	Bennett A Maruca (University of Delaware)	**MagneToRE: Mapping the 3-D Magnetic Structure of the Solar Wind Using a Large Constellation of Nanosatellites**	2023 WG2: Interplanetary	2023 Session 20. Concepts for Future Solar and Solar Wind Missions
145	Adam Szabo (NASA GSFC), S. Kanekal (NASA GSFC), J. Kasper (BWXT), S. Lepri (U. Michigan), J. Raines (U. Michigan), S. Bale (UC Berkeley), G. Ho (JHU APL), N. Raouafi (JHU APL), N. Hurburt (Lockheed Martin)	**HELIX: Inner Heliospheric Explorers**	2023 WG2: Interplanetary	2023 Session 20. Concepts for Future Solar and Solar Wind Missions
146	Khalil Bryant (University of Michigan), Rachel Young (University of Michigan), Joseph Ray Olson (University of Wisconsin), Cary Forest (University of Wisconsin), Karsten McCollam (University of Wisconsin)	**Preliminary Results for Experiment at the Wisconsin Plasma Physics Laboratory (WiPPL)**	2023 WG2: Interplanetary	2023 Student Poster
147	Sahanaj Aktar Banu (University of New Hampshire, Durham, New Hampshire, United States), Reka Winslow (University of New Hampshire, Durham, New Hampshire, United States), Emma Davies (GeoSphere Austria, Austrian Space Weather Office, Vienna, Vienna, Austria), Camilla Scolini (University of New Hampshire, Dover, New Hampshire, United States), Charles J Farrugia (University of New Hampshire, Durham, New Hampshire, United States), Nov© Lugaz (University of New Hampshire, Durham, New Hampshire, United States), Nada Alhaddad (University of New Hampshire, Durham, New Hampshire, United States)	**Statistical analysis of SFRs using Juno spacecraft data**	2023 WG2: Interplanetary	2023 Student Poster
148	Christopher Rowell, Dr. Ming Zhang	**Developing time-reversible MHD simulation software for locating the origin of solar wind streams**	2023 WG2: Interplanetary	2023 Student Poster
149	Syed Raza (UAH), Nikolai Pogorelov (UAH), Talwinder Singh (UAH)	**Constraining CME Models using STEREO data for Space Weather Predictions**	2023 WG2: Interplanetary	2023 Student Poster
150	Samuel Fordin (University of Delaware), Michael Shay (University of Delaware), Lynn B. Wilson (NASA GSFC)	**Characterizing 15 Years of Waves in the Solar Wind Using Machine Learning**	2023 WG2: Interplanetary	2023 Student Poster

151	Dylan Conner (West Virginia University), Katherine Goodrich (West Virginia University), Harriet George (University of Colorado), David Malaspina (University of Colorado), John W Bonnell (SSL, UC Berkeley), Shannon Curry (SSL, UC Berkeley), Davin Larson (SSL, UC Berkeley), Roberto Livi (SSL, UC Berkeley), Phyllis Whittlesey (SSL, UC Berkeley), Yingjuan Ma (UCLA), Michael Stevens (Harvard University), Justin Bowman (West Virginia University), Justin Riggs (West Virginia University)	**Venusian DC Electric Fields Using PSP; A Look into Different Sources and their Uncertainties**	2023 WG2: Interplanetary	2023 Student Poster
152	Dinesha V. Hegde (Department of Space Science, The University of Alabama in Huntsville), Talwinder Singh (Center for Space Plasma and Aeronomic Research (CSPAR), The University of Alabama in Huntsville), Tae K. Kim (Center for Space Plasma and Aeronomic Research (CSPAR), The University of Alabama in Huntsville), NIkolai V. Pogorelov (Department of Space Science, The University of Alabama in Huntsville)	**Magnetohydrodynamic Simulations of the Coronal Mass Ejection on August 20, 2018, and Interaction with the Solar Wind**	2023 WG2: Interplanetary	2023 Student Poster
153	Benjamin Chandran	**An Approximate Analytic Solution to the Coupled Problems of Coronal Heating and Solar-Wind Acceleration**	2023 WG2: Interplanetary	
154	Don Kolinski (HAO/NCAR), Craig DeForest (SwRI), Sarah Gibson (HAO/NCAR), and the PUNCH team	**Polarimeter to UNify the Corona and Heliosphere**	2023 WG2: Interplanetary	
155	Hameedullah Farooki (NJIT), Sung-Jun Noh (LANL), Youra Shin (NJIT), Hyomin Kim (NJIT), Haimin Wang (NJIT), Jason T. L. Wang (NJIT), Yasser Abduallah (NJIT), Qiang Hu (UAH), Yu Chen (UAH)	**Detecting Small-Scale Flux Ropes Faster Using GPU Power and Physics-Integrated Deep Learning**	2023 WG2: Interplanetary	
156	Tarik M. Salman (NASA/GSFC & GMU), Teresa Nieves-Chinchilla (NASA/GSFC), Lan K. Jian (NASA/GSFC), Nov© Lugaz (UNH), Fernando Carcaboso (NASA/GSFC)	**Investigation of Interplanetary Coronal Mass Ejection Features: First Insights from PSP Observations**	2023 WG2: Interplanetary	
157	Bernard V. Jackson (UCSD, LaJolla, CA, USA), Matthew Bracamontes (UCSD, LaJolla, CA, USA), Andrew Buffington (UCSD, LaJolla, CA, USA), Jackie A. Davies (UK STFC, RAL Space, UK), Mario M. Bisi (UK STFC, RAL Space, UK), Kazumasa Iwai (ISEE, Nagoya University, Nagoya, Japan)	**Time-Dependent 3-D Reconstructions of Mesoscale Structures in the Solar Wind**	2023 WG2: Interplanetary	
158	Nada AlHadda (Space Science Center and Department of Physics, University of New Hampshaire, Durham, NH 03284, USA; ts1090@wildcats.unh.edu), Yakub Olufadi(Space Science Center and Department of Physics, University of New Hampshaire, Durham, NH 03284, USA; ts1090@wildcats.unh.edu), Florian Regnault (Space Science Center and Department of Physics, University of New Hampshaire, Durham, NH 03284, USA; ts1090@wildcats.unh.edu),	**Effect of the Solar Cycle on Typical CME Properties During 1995-2023.**	2023 WG2: Interplanetary	
159	Keyvan Ghanbari (The university of Alabama in Huntsville), Gary P. Zank (The university of Alabama in Huntsville)	**Studying Shock Strudctures using Braginskii Type Fluid Models**	2023 WG2: Interplanetary	
160	Chadi Salem (University of California Berkeley), John Bonnell (University of California Berkeley) and Marc Pulupa (University of California Berkeley)	**Wind Spacecraft Charging: Estimates of Spacecraft Potential, Photoelectron Current and Their Variability**	2023 WG2: Interplanetary	
161	A.J. McCubbin (JHU APL), E. Provornikova (JHU APL), V.G. Merkin (JHU APL), S. Gibson (NCAR/HAO), N. Arge (NASA/GSFC)	**High-resolution GAMERA MHD Simulation of a CME in the Inner Heliosphere**	2023 WG2: Interplanetary	
162	Mariana Jeunon (NASA GSFC/CUA), Sanchita Pal (NASA GSFC/GMU), Fernando Carcaboso (NASA GSFC), Teresa Nieves-Chinchilla (NASA GSFC), Georgia De Nolfo (NASA GSFC), Eric Christian (NASA GSFC), Andreas J Weiss (NASA GSFC)	**Investigating the Effects of Erosion in Magnetic Flux Ropes**	2023 WG2: Interplanetary|2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Student Poster
163	Alexandria Holthaus (UH Manoa), Veronica Bindi (University of Hawaii at Manoa), Cristina Consolandi (University of Hawaii at Manoa), Claudio Corti (University of Hawaii at Manoa)	**Calibration of Neutron Monitor Yield Functions with AMS Data**	2023 WG2: Interplanetary|2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Student Poster
164	Lengying Khoo (Princeton University)	**The 15 February 2022 widespread solar energetic particle event**	2023 WG2: Interplanetary|2023 WG3: Solar energetic particles (including suprathermal and GCR)	
165	Nada AlHaddad (SSC, UNH)	**The Power of Multi-spacecraft Measurements in Revealing the Structure and Evolution of CMES**	2023 WG2: Interplanetary|2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere
166	Soni, S. L.(CLaSP, University of Michigan), Akhavan-Tafti, M.(CLaSP, University of Michigan), Kasper, J.C.(CLaSP, University of Michigan), Velli, M.(Department of Earth, Planetary, and Space Sciences, University of California, Los Angeles, CA, USA)	**Switchbacks During the Radial Alignment of PSP and SolO**	2023 WG2: Interplanetary|2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 07. Multipoint probing of large-scale structures and their impact in the inner heliosphere|2023 Session 13. Energy release in the lower corona and its connection with the slow solar wind|2023 Session 15. What are the Basic Building Blocks of Solar Wind Turbulence?
167	Xiangrong Fu (New Mexico Consortium)	**Parametric Decay Instability and Density Fluctuations in Near-Sun Solar Wind**	2023 WG2: Interplanetary|2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 15. What are the Basic Building Blocks of Solar Wind Turbulence?|2023 Session 16. Multiscale Nature of Heliospheric Turbulence from Inertial Scales to Dissipation Range
168	Rayta A. Pradata (University of Delaware), Gang Kai Poh (NASA GSFC/Catholic University of America), Ana Peruza (George Mason University), Zhenguang Huang (University of Michigan - Ann Arbor), Nishtha Sachdeva (University of Michigan - Ann Arbor), Evangelia Samara (KU Leuven)	**Validation of the AWSoM Solar Wind Magnetic Field Model with Upstream Mercury Solar Wind Conditions from MESSENGER Observations**	2023 WG2: Interplanetary|2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Student Poster

169	Yu Chen (Center for Space Plasma and Aeronomic Research, The University of Alabama in Huntsville), Qiang Hu (Department of Space Science & Center for Space Plasma and Aeronomic Research, The University of Alabama in Huntsville)	**Small-scale magnetic flux ropes via in-situ spacecraft measurements**	2023 WG2: Interplanetary|2023 WG4: Microphysics (reconnection, turbulence, etc)	
170	Westlake, J.H. (JHU/APL), D.J. McComas (Princeton University), E. Christian (GSFC), N. Schwadron (UNH), and the IMAP Team	**The Interstellar Mapping and Acceleration Probe (IMAP) Mission Update**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Session 08. Understanding the solar wind from its origin to heliosphere through the lens of heavy ion composition|2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques|2023 Session 17. The Interaction Between the Heliosphere and the Local Interstellar Medium
171	Kimberly Moreland(CIRES, University of Colorado, Boulder; NOAA Space Weather Prediction Center), Hazel M. Bain(CIRES, University of Colorado, Boulder; NOAA Space Weather Prediction Center), Marlon NV∫V±ez(University of MV°laga, Spain), Katie Whitman(NASA, Space Radiation Group), Leila Mays(NASA, Community Coordinated Modeling Center), Chinwe Didigu(NASA, Community Coordinated Modeling Center)	**Validation of the UMASEP Solar Radiation Storm Model in the Space Weather Proving Ground**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques
172	Kathryn Whitman (NASA JSC SRAG/KBR), Philip R. Quinn (NASA JSC SRAG/Leidos), Ricky Egeland (NASA JSC SRAG), Clayton Allison (NASA JSC SRAG/Leidos), Edward Semones (NASA JSC SRAG), Leila Mays (NASA GSFC), Yaireska Collado-Vega (NASA GSFC)	**SPHINX: A Generalized Tool for SEP Model Validation**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques|2023 Session 10. SHINE SEP Model Validation Challenge: Cross-Model Validation
173	Junxiang Hu (UAH), Gang Li (UAH), Claudio Corti (NASA CCMC), Clayton Allison (NASA SRAG), M. Leila Mays (NASA CCMC)	**Designing the Real-time Nowcast/forecast Pipeline for SEP Events in the Inner Heliosphere**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Session 09. Advancing Space Weather Forecasting: Addressing Knowledge Gaps and Leveraging Modern Techniques|2023 Session 10. SHINE SEP Model Validation Challenge: Cross-Model Validation|2023 Session 11. Understanding the role of turbulence and diffusion in SEP and GCR transport in the heliosphere
174	Carina Alden (NASA GSFC/CUA), Christopher Stubenrauch (NASA GSFC/CUA), Yaireska Collado-Vega (NASA GSFC), Michelangelo Romano (NASA GSFC/CUA), Anna Chulaki (NASA GSFC/CUA), Mary Aronne (NASA GSFC/CUA), Mattie Anastopulos (NASA GSFC/CUA), Hannah Hermann (NASA GSFC/CUA), Anthony Iampietro (NASA GSFC/CUA), Dev Joshi (NASA GSFC/CUA), Mary Keenan (NASA GSFC/CUA)	**Moon to Mars Space Weather Analysis Office SEP Validation Efforts**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Session 10. SHINE SEP Model Validation Challenge: Cross-Model Validation
175	Gang Li (University of Alabama in Huntsville), Nic Bian (University of Alabama in Huntsville)	**Path Lengths of Stochastic Parker Field Lines**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Session 11. Understanding the role of turbulence and diffusion in SEP and GCR transport in the heliosphere|2023 Session 19. Heliospheric Physics and Neutron Monitors
176	Xiaohang Chen (University of Arizona), Joe Giacalone (University of Arizona), Fan Guo (Los Alamos National Lab) and Kristopher Klein (University of Arizona)	**Parallel Diffusion Coefficient of Energetic Charged Particles in the Inner Heliosphere from the Turbulence Power Spectra Measured by Parker Solar Probe**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Session 11. Understanding the role of turbulence and diffusion in SEP and GCR transport in the heliosphere|2023 Student Poster
177	Jung-Tsung Li (Ohio State University), John F. Beacom (Ohio State University), Spencer Griffith (Ohio State University), Annika H. G. Peter (Ohio State University)	**Gamma-Ray Emissions from Cosmic-Ray Interactions in Solar Magnetic Flux Tubes**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Session 12. Secondary neutral emission from solar flares to probe energetic particle acceleration
178	Razieh Ghamari, university of Delaware	**seasonal variation of scaling factor for Newark's neutron monitor**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Session 19. Heliospheric Physics and Neutron Monitors|2023 Student Poster
179	Samuel T. Hart (The University of Texas at San Antonio), Maher A. Dayeh (Southwest Research Institute), Radoslav BufçV≠k (Southwest Research Institute)	**The Physical Drivers of Spectral Variability in 3He-Rich Solar Energetic Particle Events**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Session 19. Heliospheric Physics and Neutron Monitors|2023 Student Poster
180	Abdullah Shmies (The University of Texas at San Antonio), Maher A. Dayeh (Southwest Research Institute), Radoslav Bucik (Southwest Research Institute), Samuel T. Hart (The University of Texas at San Antonio)	**Timing Analysis of Ground Level Enhancement Events (GLE): Investigating Early Stage GLE Acceleration**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Student Poster
181	Sumanth Rotti (Georgia State University), Petrus Martens (Georgia State University)	**Statistical Features of Solar Proton and X-ray Time Series Data for Predicting SEP Events.**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Student Poster
182	Malik H. Walker (Johns Hopkins University), Robert C. Allen(Johns Hopkins- Applied Physics Laboratory), Gang Li (University of California, Riverside), Athanasios Kouloumvakos (Johns Hopkins-Applied Physics Laboratory), George C. Ho (Johns Hopkins- Applied Physics Laboratory), Glenn M. Mason (Johns Hopkins- Applied Physics Laboratory), Javier Rodrv≠guez-Pacheco (University of AlcalV°), Robert F. Wimmer-Schweingruber (University of Kiel)	**Radial Evolution of CME-associated particle acceleration observed by Solar Orbiter and ACE**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Student Poster
183	Andrew Kuhlman (University of Hawaii at Manoa), Veronica Bindi (University of Hawaii at Manoa), Cristina Consolandi (University of Hawaii at Manoa), Claudio Corti (University of Hawaii at Manoa), Alexandria Holthaus (University of Hawaii at Manoa), Nikolay Nikonov (University of Hawaii at Manoa), Siqi Wang (University of Hawaii at Manoa)	**Estimation of the Geomagnetic Cutoff with the Alpha Magnetic Spectrometer (AMS - 02)**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Student Poster
184	Weihao Liu (University of Michigan), Lulu Zhao (University of Michigan), Tamas Gombosi (University of Michigan)	**A Benchmark Solar Energetic Particle Events Dataset**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Student Poster

185	Leo Skaer (University of Hawaii at Manoa), Colby Haggerty (University of Hawaii at Manoa), Jason Tenbarge (Princeton University), Lynn B. Wilson III (NASA GSFC)	**Evaluating the Effects of Electron Kappa Distribution on Collisionless Shock Dynamics in the Solar Wind**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Student Poster
186	Aatiya Ali (Georgia State University), Viacheslav Sadykov (Georgia State University), Alexander Kosovichev (New Jersey Institute of Technology), Alin Paraschiv (High Altitude Observatory), Sarah Gibson (High Altitude Observatory)	**Understanding Solar Proton Event Predictability from GOES statistical features and MHD coronal models**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Student Poster
187	Pouya Hosseinzadeh, Soukaina Filali Boubrahimi, Shah Muhammad Hamdi	**Data Augmentation for Solar Energetic Particle Event Prediction**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Student Poster
188	Omar Bahri (Utah State University), Soukaina Filali Boubrahimi (Utah State University), Shah Muhammad Hamdi (Utah State University)	**Temporal Rule Mining for SEP Prediction**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	2023 Student Poster
189	A. Santa Fe Duev±as (UTSA/SwRI), R. W. Ebert (SwRI/UTSA), G. Li (UAH), Z. Ding (CmPA KULeuven), M. A. Dayeh (SwRI/UTSA), M. I. Desai (SwRI/UTSA) and L. K. Jian (NASA GSFC)	**Investigating ESP intensity East-West Asymmetries during Solar Cycles 23 and 24**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	
190	R.A. Leske(1), E.R. Christian(2), C.M.S. Cohen(1), A.C. Cummings(1), G.A. de Nolfo(2), M.I. Desai(3,4), J. Giacalone(5), M.E. Hill(6), A.W. Labrador(1), D.J. McComas(7), R.L. McNutt Jr.(6), R.A. Mewaldt(1), D.G. Mitchell(6), J.G. Mitchell(2), J.S. Rankin(7), N.A. Schwadron(7,8), T. Sharma(7), M.M. Shen(7), J.R. Szalay(7), M.E. Wiedenbeck(9), O. Romeo(10), A. Vourlidas(6), S.D. Bale(10), M. Pulupa(10), J.C. Kasper(11), D.E. Larson(10), P. Whittlesey(10) 1) California Institute of Technology, Pasadena, CA 91125, USA 2) Goddard Space Flight Center, Greenbelt, MD 20771, USA 3) Southwest Research Institute, San Antonio, TX 78228, USA 4) University of Texas at San Antonio, San Antonio, TX 78249, USA 5) University of Arizona, Tucson, AZ 85721, USA 6) Johns Hopkins University Applied Physics Laboratory, Laurel, MD 20723, USA 7) Department of Astrophysical Sciences, Princeton University, Princeton, NJ 08544, USA 8) University of New Hampshire, Durham, NH 03824, USA 9) Jet Propulsion Laboratory, California Institute of Technology, Pasadena, CA 91109, USA 10) University of California at Berkeley, Berkeley, CA 94720, USA 11) University of Michigan, Ann Arbor, MI 48109, USA	**Observations of Heavy Ion Solar Energetic Particles from EPI-Hi on Parker Solar Probe During the 5 September 2022 Event**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	
191	Rachael Filwett (Montana State University), Robert Allen (Applied Physics Laboratory), Gang Li (University of Alabama Huntsville), Maher Dayeh (Southwest Research Institute)	**Suprathermal Source Population of Interstellar He Pick-Up Ions Found in Coronal Mass Ejections**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	
192	A. Kouloumvakos (The Johns Hopkins University Applied Physics Laboratory), G. M. Mason (The Johns Hopkins University Applied Physics Laboratory), G. C. Ho (The Johns Hopkins University Applied Physics Laboratory), R. C. Allen (The Johns Hopkins University Applied Physics Laboratory), Robert F. Wimmer-Schweingruber (University of Kiel), A. P. Rouillard (IRAP), and J. Rodriguez-Pacheco (Universidad de Alcala)	**Extended 3He-rich time periods observed by Solar Orbiter**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	
193	J. Grant Mitchell (NASA/GSFC), Georgia A. de Nolfo (NASA/GSFC), Jim Ryan (UNH), Alessandro Bruno (NASA/GSFC)	**Techniques for Solar Neutron Spectroscopy**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	
194	Pertti Makela (CUA), Nat Gopalswamy(NASA/GSFC), Sachiko Akiyama (CUA), Hong Xie (CUA), Seiji Yashiro (CUA)	**Kinematics of Halo CMEs and Sustained Gamma-ray Emission**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	
195	Watkins, Zachary (Georgia State University), Jones, William (Georgia State University), Sadykov, Viacheslav (Georgia State University), Kempton, Dustin (Georgia State University), He, Xiaochun (Georgia State University), Tobiska, W Kent (Space Environment Technologies), Mertens, Christopher (NASA Langley Research Center), Ranjan, Shubha (NASA Ames Research Center), Kitiashvili, Irina (NASA Ames Research Center), Spaulding, Ryan (NASA Ames Research Center), Deardorff, Donald Glenn (NASA Ames Research Center)	**Enhancing Data Discoverability and Analysis for Understanding Space Radiation in Earth Environment with Radiation Data Portal**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	
196	Ashraf Moradi (University of Arizona), Joe Giacalone (University of Arizona)	**Comparison of the onset times and decay rates of the MeV-GeV Solar Energetic Hydrogen and Helium Ions at various observer locations at 1au**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	
197	Maher Dayeh (SwRI & UTSA), Subhamoy Chatterjee (SwRI), Andres Munoz-Jaramillo (SwRI), Kim Moreland (CU Boulder/CIRES, CO,UTSA & SwRI), Hazel Bain (CIRES & NOAA SWPC)	**MEMPSEP: A Multivariate Ensemble of Models for Probabilistic forecast of SEP Occurrence and Properties**	2023 WG3: Solar energetic particles (including suprathermal and GCR)	
198	Jeffersson Agudelo Rueda, (Department of Physics and Astronomy, Dartmouth College, Hanover, NH, USA), Yi-Hsin Liu (Department of Physics and Astronomy, Dartmouth College, Hanover, NH, USA), Kai Germaschewski (Space Science Center, University of New Hampshire, Durham NH 03824, USA)	**Exploring the effect of turbulent fluctuations on the onset of reconnection**	2023 WG3: Solar energetic particles (including suprathermal and GCR)|2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas

199	Anna Fitzmaurice (University of Maryland), James Drake (University of Maryland), Marc Swisdak (University of Maryland)	**Ion-Scale Wave Generation by Flare-Accelerated Ions**	2023 WG3: Solar energetic particles (including suprathermal and GCR)|2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Student Poster
200	Keyan Gootkin (University of Hawai'i), Colby Haggerty (University of Hawai'i)	**The Acceleration of Non-Thermal Particles in Supersonic Turbulence**	2023 WG3: Solar energetic particles (including suprathermal and GCR)|2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Student Poster
201	Christopher Light (NASA-CCMC), Claudio Corti (NASA-CCMC), M Leila Mays (NASA-CCMC), Beatriz Sanchez-Cano (University of Leicester), David Lario (NASA-GSFC), Alessandro Bruno (NASA-GSFC), Ian Richardson (NASA-GSFC), Michelangelo Romano (NASA-GSFC), Daniel Heyner (TU Braunschweig), Laura Rodriguez -Garcia (Universidad de Alcala)	**SEP events from solar eruptions in later March 2022**	2023 WG3: Solar energetic particles (including suprathermal and GCR)|2023 WG4: Microphysics (reconnection, turbulence, etc)	
202	Sushree S Nayak (CSPAR, UAH, Huntsville, AL), Qiang Hu (CSPAR, & Dept. of Space Science, UAH, Huntsville, AL)	**Study of the onset of a flare with MHD simulation initiated with a Non-Force-Free-Field extrapolated field**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 02. The Structure & Evolution of Active-Region Coronal Currents|2023 Session 03. Solar-stellar eruption analogy: observations and models
203	P. Heinzel (Czech Academy of Sciences, Czech Republic and Wroclaw University, Poland), J. Wollmann (Czech Academy of Sciences), P. Kabath (Czech Academy of Sciences)	**On spectroscopic paradigm of stellar flares**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 03. Solar-stellar eruption analogy: observations and models
204	D.I. Pontin (University of Newcastle, Austrlia), E.R. Priest (University of St Andrews, UK), L.P. Chitta (Max Planck Institute for Solar System Research), V.S. Titov (Predictive Science Inc), V. Aslanyan (University of Dundee, UK)	**Solar Wind and Coronal Heating Generated by Flux Cancellation Reconnection**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 13. Energy release in the lower corona and its connection with the slow solar wind
205	Yi Qi (Laboratory for Atmospheric and Space Physics, Boulder, CO, United States) , Robert Ergun(Laboratory for Atmospheric and Space Physics, Boulder, CO, United States), Neha Pathak (Laboratory for Atmospheric and Space Physics, Boulder, CO, United States), Tak Chu Li (Department of Physics and Astronomy, Dartmouth College, Hanover, NH, United States), Stefan Eriksson (Laboratory for Atmospheric and Space Physics, Boulder, CO, United States), Alexandros Chasapis (Laboratory for Atmospheric and Space Physics, Boulder, CO, United States), Steven J Schwartz (Imperial College London, London, United Kingdom), Narges Ahmadi (Laboratory for Atmospheric and Space Physics, Boulder, CO, United States), Tien Vo (Laboratory for Atmospheric and Space Physics, Boulder, CO, United States), David Newman (Laboratory for Atmospheric and Space Physics, Boulder, CO, United States), Maria Usanova (Laboratory for Atmospheric and Space Physics, Boulder, CO, United States), Frederick D Wilder (University of Texas at Arlington, Arlington, TX, United States), and Jason Shuster (University of Maryland College Park, College Park, MD, United States)	**The nonorthogonal x-line in a small guide-field reconnection event in the magnetotail**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas
206	Paul Cassak (West Virginia University), Hasan Barbhuiya (West Virginia University)	**Theoretical Developments on Energy Conversion via the Pressure-Strain Interaction and Applications to Magnetic Reconnection**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas
207	E. Lichko (University of Chicago), J. Juno (Princeton Plasma Physics Laboratory), S. Conley (University of Iowa, Princeton Plasma Physics Laboratory), G. Howes (University of Iowa), M. Abler (Space Science Institute), K. Klein (University of Arizona)	**Frequency-resolved local measurements of phase-space energization**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas
208	Jason TenBarge (Princeton University), Jimmy Juno (PPPL), Gregory Howes (University of Iowa)	**Electron Energization in Magnetic Reconnection: Eulerian versus Lagrangian Perspectives**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas
209	Gregory G. Howes (U Iowa), James Juno (PPPL), Collin R. Brown (U Iowa), Colby C. Haggerty (U Hawaii), Sage Constantinou (U Hawaii), Jason M. TenBarge (Princeton U), Damiano Caprioli (U Chicago), Anatoly Spitkovsky (Princeton U), Lynn B. Wilson III (NASA Goddard)	**Understanding the Kinetic Physics of Particle Energization at Quasiperpendicular Collisionless Shocks Using the Field-Particle Correlation Technique**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas
210	Jimmy Juno (Princeton Plasma Physics Laboratory), Ammar Hakim (Princeton Plasma Physics Laboratory), Jason TenBarge (Princeton University)	**Novel parallel-kinetic perpendicular-moment model for magnetized plasmas**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas
211	Tak Chu Li (Dartmouth College), Yi-Hsin Liu (Dartmouth College), Yi Qi (University of Colorado Boulder), and Muni Zhou (Institute for Advanced Study)	**Extended magnetic reconnection in kinetic plasma turbulence**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas|2023 Session 15. What are the Basic Building Blocks of Solar Wind Turbulence?|2023 Session 16. Multiscale Nature of Heliospheric Turbulence from Inertial Scales to Dissipation Range
212	Xiaocan Li (Dartmouth College), Fan Guo (LANL), Yan Yang (University of Delaware), Hui Li (LANL)	**The Properties of Turbulence Driven by 3D Magnetic Reconnection**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas|2023 Session 16. Multiscale Nature of Heliospheric Turbulence from Inertial Scales to Dissipation Range
213	Michael Nastac (University of Oxford), Michael Barnes (University of Oxford), Robert Ewart (University of Oxford), James Juno (Princeton Plasma Physics Laboratory), Alexander Schekochihin (University of Oxford)	**Phase-space turbulence in electrostatic plasmas**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas|2023 Session 16. Multiscale Nature of Heliospheric Turbulence from Inertial Scales to Dissipation Range|2023 Student Poster

214	Collin Brown (University of Iowa), Greg Howes (University of Iowa), Aaron Tran (Columbia University), Kris Klein (University of Arizona)	**Phase-Space Energy Transfer in Collisionless Shocks with Non-Adiabatic Electron Heating**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas|2023 Student Poster
215	Hanqing Ma(University of Maryland), James Drake (University of Maryland), Marc Swisdak (University of Maryland)	**Wave generation and energetic electron scattering in solar flares**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas|2023 Student Poster
216	Hasan Barbhuiya (West Virginia University), Paul Cassak (West Virginia University)	**Identifying the phase of magnetic reconnection using the temporal evolution of pressure-strain interaction**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas|2023 Student Poster
217	Hasith Perera (West Virginia University),Paul Cassak (West Virginia University),Hasan Barbhuiya (West Virginia University),Greg Howes (University of Iowa)	**Energy and entropy evolution in collisionless plasma waves in the presence of Landau damping**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas|2023 Student Poster
218	Zhiyu Yin (University of Maryland), James Drake (University of Maryland), Marc Swisdak (University of Maryland), Harry Arnold (Johns Hopkins University Applied Physics Laboratory), Fan Guo (Los Alamos National Laboratory), Joel Dahlin (NASA Goddard Space Flight Center)	**A new model for the simulation of electron and ion acceleration during magnetic reconnection in macroscale systems**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 14. The Kinetic Physics of Energy Conversion in Weakly Collisional Space Plasmas|2023 Student Poster
219	K.H. Yuen (LANL), Z. Gan (NMC), X. Fu (NMC), S. Du (LANL), H. Yan (DESY)	**Temporal Properties of Compressible MHD Turbulence**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 15. What are the Basic Building Blocks of Solar Wind Turbulence?
220	Mel Abler (Space Science Institute), Seth Dorfman (Space Science Institute), Christopher HK Chen (Queen Mary University of London)	**Laboratory Study of Residual Energy Generation in Strong Alfvv©n Wave Interactions**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 15. What are the Basic Building Blocks of Solar Wind Turbulence?
221	Michael A. Shay (Univ. of Del.), M. Bilal Khan (Univ. of Del.), Sean Oughton (University of Waikato), Colby Haggerty (Univ. of Hawaii), Paul Cassak (W. Virginia Univ.), W. H. Matthaeus (Univ. of Del.)	**Statistics of Magnetic Reconnection in MHD Turbulence**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 15. What are the Basic Building Blocks of Solar Wind Turbulence?|2023 Session 16. Multiscale Nature of Heliospheric Turbulence from Inertial Scales to Dissipation Range
222	Chen Shi (UCLA), Nikos Sioulas (UCLA), Zesen Huang (UCLA), Marco Velli (UCLA), Anna Tenerani (UT Austin)	**Evolution of weak MHD turbulence in the expanding solar wind: anisotropy, residual energy, and intermittency**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 15. What are the Basic Building Blocks of Solar Wind Turbulence?|2023 Session 16. Multiscale Nature of Heliospheric Turbulence from Inertial Scales to Dissipation Range
223	Seth Dorfman (Space Science Institute), Christopher H K Chen (Queen Mary University of London), Stas Boldyrev (University of Wisconsin Madison), Mel Abler (Space Science Institute)	**Generation of residual energy by many interacting Alfvv©n waves**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 15. What are the Basic Building Blocks of Solar Wind Turbulence?|2023 Session 16. Multiscale Nature of Heliospheric Turbulence from Inertial Scales to Dissipation Range
224	Theodore Broeren (University of Arizona), Kristopher Klein (University of Arizona)	**A Quantitative Comparison of Multipoint Magnetic Field Reconstruction Methods**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 15. What are the Basic Building Blocks of Solar Wind Turbulence?|2023 Session 16. Multiscale Nature of Heliospheric Turbulence from Inertial Scales to Dissipation Range|2023 Session 20. Concepts for Future Solar and Solar Wind Missions|2023 Student Poster
225	Niranjana Shankarappa (University of Arizona), Kristopher Klein (University of Arizona), Mihailo Martinovic (University of Arizona)	**Comparing Landau and Cyclotron Damping Rates Constrained by PSP Observations**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 15. What are the Basic Building Blocks of Solar Wind Turbulence?|2023 Session 16. Multiscale Nature of Heliospheric Turbulence from Inertial Scales to Dissipation Range|2023 Student Poster
226	Zesen Huang (UCLA), Chen Shi (UCLA), Nikos Sioulas (UCLA), Marco Velli (UCLA), Trevor Bowen (UCLA)	**Natural Segmentation of Solar Wind Timeseries from Parker Solar Probe**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 15. What are the Basic Building Blocks of Solar Wind Turbulence?|2023 Student Poster
227	Francesco Pecora (University of Delaware), Sergio Servidio (Universitv† della Calabria), Yan Yang (University of Delaware), William H. Matthaeus (University of Delaware), Alexandros Chasapis (LASP University of Colorado Boulder), Antonella Greco (Universitv† della Calabria), Daniel J. Gershman (NASA Goddard Space Flight Center), Barbara L. Giles (NASA Goddard Space Flight Center), and James L. Burch (Southwest Research Institute)	**Three-dimensional energy transfer in space plasma turbulence from multipoint measurement**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 16. Multiscale Nature of Heliospheric Turbulence from Inertial Scales to Dissipation Range
228	Kyung-Eun Choi(SSL), Oleksiy Agapitov(SSL)	**Statistics of Whistler Wave Direction from Parker Solar Probe Encounter 1**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 16. Multiscale Nature of Heliospheric Turbulence from Inertial Scales to Dissipation Range
229	Daniel Wrench (Victoria University of Wellington), Tulasi N. Parashar (VUW), Kevin de Lange (VUW), Sean Oughton (University of Waikato), Marcus Frean (VUW)	**What is the Reynolds Number of the Solar Wind?**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 16. Multiscale Nature of Heliospheric Turbulence from Inertial Scales to Dissipation Range
230	Samuel Evans (Boston University Center for Space Physics), Meers Oppenheim (Boston University Center for Space Physics), Juan Martv≠nez-Sykora (Lockheed Martin Solar & Astrophysics Laboratory), Yakov Dimant (Boston University Center for Space Physics)	**Does Big Heating Come in Small Sizes? Chromospheric Turbulence and Heating Due to the Thermal Farley-Buneman Instability**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 16. Multiscale Nature of Heliospheric Turbulence from Inertial Scales to Dissipation Range|2023 Student Poster
231	Michael Terres (The University of Alabama in Huntsville), Gang Li (The University of Alabama in Huntsville)	**The Role of Non-Alfvenic Structures on Dynamic Aligned Turbulence in the Slow Solar Wind**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 16. Multiscale Nature of Heliospheric Turbulence from Inertial Scales to Dissipation Range|2023 Student Poster
232	Waverly Gorman (University of Arizona), Kristopher Klein (University of Arizona)	**Mind The Gap: Characterizing the Impact of Non-Propagating Alfven Waves on Turbulent Dissipation in High-Beta Plasmas**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 16. Multiscale Nature of Heliospheric Turbulence from Inertial Scales to Dissipation Range|2023 Student Poster
233	Ameneh Mousavi(Center for Space Plasma Physics, Space Science Institute, Boulder, CO, USA), Kaijun Liu(Department of Earth and Space Sciences, Southern University of Science and Technology, Shenzhen, China), Sina Sadeghzadeh(Physics and Astronomy Department, Rice University, Houston, TX, USA)	**The impact of pickup ion thermal spread on pickup ion ring-beam-driven instabilities and scattering in the outer heliosheath**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Session 17. The Interaction Between the Heliosphere and the Local Interstellar Medium
234	Sarah Peery (Dartmouth), Yi-Hsin Liu (Dartmouth), Xiaocan Li (Dartmouth)	**Relativistic Reconnection in the pressence of a Shear Flow**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Student Poster
235	Jada Walters (University of Arizona), Kris Klein (University of Arizona), James Juno (Princeton Plasma Physics Laboratory), Jason TenBarge (Princeton University), Emily Lichko (University of Chicago)	**Firehose Instabilities Simulated by a 10-Moment Multi-Fluid Solver**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Student Poster

236	Paria Abouhamzeh (Department of Space Science, University of Alabama in Huntsville), Bingbing Wang (The Center for Space Plasma and Aeronomic Research, University of Alabama in Huntsville), Gary Zank (Department of Space Science, University of Alabama in Huntsville)	**The time and latitude-dependent driving of turbulence by pickup ions**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Student Poster
237	William Ryan (West Virginia University), Paul Cassak (West Virginia University), Vadim Roytershteyn (Space Science Institute), M. Hasan Barbhuiya (West Virginia University), Subash Adhikari (West Virginia University)	**The dependence on collisionality of non-LTE energy conversion in decaying plasma turbulence**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Student Poster
238	J.H. Edyvean (School of Chemical and Physical Sciences, Victoria University of Wellington), T.N. Parashar (School of Chemical and Physical Sciences, Victoria University of Wellington), J. Juno (Princeton Plasma Physics Laboratory), T. Simpson (School of Chemical and Physical Sciences, Victoria University of Wellington), O. Koshkarov (T-5 Applied Mathematics and Plasma Physics Group, Los Alamos National Laboratory), G.L. Delzanno (T-5 Applied Mathematics and Plasma Physics Group, Los Alamos National Laboratory), V. Roytershteyn (Space Science Institute, Boulder), W.H. Matthaeus (Department of Physics and Astronomy, University of Delaware), M.A. Shay (Department of Physics and Astronomy, University of Delaware), Y. Yang (Department of Physics and Astronomy, University of Delaware), F. Guo (Theoretical Division, Los Alamos National Laboratory), J. Goodwill (Department of Physics and Astronomy, University of Delaware)	**Effects of ion-electron mass ratio variations on the properties of turbulent plasma**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Student Poster
239	Sohom Roy (Department of Physics and Astronomy, University of Delaware), Riddhi Bandyopadhyay (Department of Astrophysical Sciences, Princeton University), William H. Matthaeus (Department of Physics and Astronomy, University of Delaware), Prayash Sharma Pyakurel (Space Sciences Laboratory, University of California, Berkeley)	**Analysis of energy dissipation during the transition from ion-coupled to electron-only reconnection**	2023 WG4: Microphysics (reconnection, turbulence, etc)	2023 Student Poster
240	Nooshin Mashayekhizadeh (University of New Hampshire), Benjamin Chandran (University of New Hampshire)	**The evolution of the 1/f range of solar-wind turbulence between 17.4 and 45.7 Rs**	2023 WG4: Microphysics (reconnection, turbulence, etc)	
241	Subash Adhikari (Department of Physics and Astronomy and Center for KINETIC Plasma Physics, West Virginia University, Morgantown, WV 26506, USA), Paul A. Cassak (Department of Physics and Astronomy and Center for KINETIC Plasma Physics, West Virginia University, Morgantown, WV 26506, USA), M. Hasan Barbhuiya (Department of Physics and Astronomy and Center for KINETIC Plasma Physics, West Virginia University, Morgantown, WV 26506, USA), Tulasi. N. Parashar (School of Chemical and Physical Sciences, Victoria University of Wellington, Wellington 6012, New Zealand), Michael A. Shay (Department of Physics and Astronomy, University of Delaware, Newark, DE 19716, USA)	**Electron to Ion scale transition of the generalized energy conversion channel in kinetic turbulence**	2023 WG4: Microphysics (reconnection, turbulence, etc)	
242	Colby Haggerty (University of Hawaii), Michael Shay (University of Delaware), Paul Cassak (University of West Virgina)	**The effects of shear flow on collisionless magnetic reconnection in the heliosphere**	2023 WG4: Microphysics (reconnection, turbulence, etc)	
243	Leon Ofman (CUA/NASA GSFC), Scott A Boardsen (UMBC/NASA GSFC), Viacheslav M Sadykov (GSU), Lan K Jian (NASA GSFC), Parisa Mostafavi (JHU/APL), Jaye L Verniero (NASA GSFC), Davin Larson (SSL/UC Berkeley), Roberto Livi (SSL/UC Berkeley), Michael McManus (SSL/UC Berkeley), Ali Rahmati (SSL/UC Berkeley), Michael L Stevens (SSL/UC Berkeley)	**Modeling Unstable Ion Velocity Distributions in the Solar Wind Observed by PSP at Perihelia**	2023 WG4: Microphysics (reconnection, turbulence, etc)	
244	Kris Klein (UArizona), Mihailo Martinovic (UArizona), Jada Walters (UArizona), Emily Lichko (UChicago), Daniel Verscharen (MSSL), Mike Stevens (CfA), Ben Chandran (UNH)	**Beyond Brazil: Tools for Assessing the Impacts of non-Maxwellian Structures on Plasma Behavior**	2023 WG4: Microphysics (reconnection, turbulence, etc)	
245	Ramiz Qudsi (Boston University), Brian Walsh (Boston University), Jeff Broll(Los Alamos National Lab), Emil Atz(Boston University), Stein Haaland(The University Center in Svalbard)	**A comparative study of statistical predictions of X-line location for dayside magnetopause reconnection models.**	2023 WG4: Microphysics (reconnection, turbulence, etc)	

246	Neha Pathak (Laboratory for Atmospheric and Space Physics, University of Colorado, Boulder, CO, 80303, USA), R. E. Ergun (Laboratory for Atmospheric and Space Physics, University of Colorado, Boulder, CO, 80303, USA), Y.Qi (Laboratory for Atmospheric and Space Physics, University of Colorado, Boulder, CO, 80303, USA), S. J. Schwartz (Emeritus Professor, Imperial College London, London, United Kingdom), T. Vo (Laboratory for Atmospheric and Space Physics, University of Colorado, Boulder, CO, 80303, USA), M. E. Usanova (Laboratory for Atmospheric and Space Physics, University of Colorado, Boulder, CO, 80303, USA), M. Hesse (NASA Ames Research Center, Moffett Field, CA 94035), T. D. Phan (Space Sciences Laboratory, University of California, Berkeley, CA 94720, USA), J. F. Drake (6University of Maryland, College Park, MD 20742, USA), S. Eriksson (Laboratory for Atmospheric and Space Physics, University of Colorado, Boulder, CO, 80303, USA), N. Ahmadi (Laboratory for Atmospheric and Space Physics, University of C	**Evidence of a Non-Orthogonal X-Line in Guide-Field Magnetic Reconnection**	2023 WG4: Microphysics (reconnection, turbulence, etc)	
247	Kai Yang (Institute for Astronomy, University of Hawaii at Manoa) Xudong Sun (Institute for Astronomy, University of Hawaii at Manoa) Graham Kerr (Department of Physics, Catholic University of America)	**A Possible Mechanism for "Late Phase" in Stellar White-Light Flares**	2023 Other	2023 Session 03. Solar-stellar eruption analogy: observations and models
248	Hong-peng Lu (Peking University), Hui Tian (Peking University), Zi-hao Yang (Peking University), Yu Xu (Peking University)	**Possible detection of coronal mass ejections on late-type main-sequence stars in LAMOST medium-resolution spectra**	2023 Other	2023 Session 03. Solar-stellar eruption analogy: observations and models
249	M. A. Dayeh (Southwest Research Institute and University of Texas at San Antonio), E. J. Zirnstein (Princeton University), P. Swaczyna (Space Research Centre PAS, Poland), and D. J. McComas (Princeton University)	**Investigating the IBEX Ribbon Structure a Solar Cycle Apart**	2023 Other	2023 Session 17. The Interaction Between the Heliosphere and the Local Interstellar Medium
250	M. Kornbleuth (Boston University), M. Opher (Boston University), M. A. Dayeh (SWRI), J. M. Sokol (SWRI), D. L. Turner (JHU/APL), I. Baliukin (Space Research Institute of Russian Academy of Sciences), K. Dialynas (Academy of Athens), V. Izmodenov (Space Research Institute of Russian Academy of Sciences)	**Inferring the Interstellar Magnetic Field Direction from Energetic Neutral Atom Observations of the Heliotail**	2023 Other	2023 Session 17. The Interaction Between the Heliosphere and the Local Interstellar Medium
251	Federico Fraternale (The University of Alabama in Huntsville, Center for Space Plasma and Aeronomic Research), Nikolai V. Pogorelov (The University of Alabama in Huntsville, Center for Space Plasma and Aeronomic Research and Department of Space Science), Ratan K. Bera (The University of Alabama in Huntsville, Center for Space Plasma and Aeronomic Research)	**Global Solar Wind-Local Interstellar Medium Interaction: Self-Consistent Kinetic and Multi-Fluid Modeling with Pickup Ions, Helium, and Electrons, Accounting for Termination Shock Kinetics**	2023 Other	2023 Session 17. The Interaction Between the Heliosphere and the Local Interstellar Medium
252	H. Islam (University of New Hampshire), F. Rahmanifard (University of New Hampshire), N. Schwadron (University of New Hampshire), E. MÝbius (University of New Hampshire), M. Lee (University of New Hampshire)	**Global Parameter estimation of Interstellar Helium from IBEX-Lo observation using Analytical Solution**	2023 Other	2023 Session 17. The Interaction Between the Heliosphere and the Local Interstellar Medium|2023 Student Poster
253	Pierre-Simon Mangeard (University of Delaware, USA), John Clem (University of Delaware, USA), Paul Evenson (University of Delaware, USA), Warit Mitthumsiri (Mahidol University, Thailand), Pradiphat Muangha (Mahidol University, Thailand) , David Ruffolo (Mahidol University, Thailand), Alejandro Saiz (Mahidol University, Thailand), Waraporn Nuntiyakul (Chiang Mai University, Thailand), Chanoknan Banglieng (Rajamangala University of Technology, Thailand)	**Measuring Spectral Variations of the Cosmic Ray Flux Using a Single Neutron Monitor**	2023 Other	2023 Session 19. Heliospheric Physics and Neutron Monitors
254	Jiale Zhang (Peking University), Hui Tian (Peking University), Zihao Yang (Peking University), Yu Xu (Peking University)	**Fine structures of radio bursts from flare star AD Leo with FAST observations**	2023 Other	2023 Student Poster
255	Joshua Morgan (Caltech), Paul Bellan (Caltech)	**Mapping Laboratory Hydrogen Plasma Temperature & Density Via Two-Color Optical Diagnostics**	2023 Other	2023 Student Poster
256	Peiyu Li (Utah State University), Omar Bahri(Utah State University), Souka Ãâƒ±na Filali Boubrahimi,(Utah State University), Shah Muhammad Hamdi(Utah State University)	**Fast Counterfactual Explanation for Solar Flare Prediction**	2023 Other	2023 Student Poster
257	Mohamed Nasser	**Numerical Analysis of 2-D MHD Analysis of Plasma Facing Materials in Controlled Thermonuclear Fusion**	2023 Other	2023 Student Poster
258	Vamsee Krishna Jagarlamudi (Johns Hopkins University Applied Physics Laboratory), Nour Raouafi (Johns Hopkins University Applied Physics Laboratory), Sofiane Bourouaine (Johns Hopkins University Applied Physics Laboratory), Parisa Mostafavi(Johns Hopkins University Applied Physics Laboratory), Andrea Larosa(Queen Mary University of London), Jean Perez(Florida Institute of Technology)	**Occurrence and evolution of switchbacks between 13.3 to 70 solar radii: Parker Solar Probe Observations**	2023 Other	
259	Bart van der Holst (University of Michigan), Gabor Toth (University of Michigan), Merav Opher (Boston University)	**Outer Heliosphere Model with Pickup Ions and Turbulence Transport**	2023 Other	