Poster No.	Author	Affiliation	Title	Working Group	Tags
001	Cole Tamburri	University of Colorado Boulder; National Solar Observatory; Laboratory for Atmospheric and Space Physics	Spectroscopic heterogeneity and multiscale ribbon fragmentation during a solar flare observed by DKIST	WG1: Solar and coronal	2026 Session 01. CHSKP at 50 years: Towards a Next-Generation 3D Solar Flare Model
002	Vasyl Yurchyshyn	Big Bear Solar Observatory/New Jersey Inst. of Technology	3D Magnetic Field Evolution and Pre-Eruptive Signatures in Major Solar Flares: A Combined Statistical and Case Study Approach	WG1: Solar and coronal	2026 Session 01. CHSKP at 50 years: Towards a Next-Generation 3D Solar Flare Model
003	William Ashfield IV	Southwest Research Institute	Indirect Imaging of the Magnetic Reconnection Region in Flares Using Observations of Chromospheric Ribbon Structure	WG1: Solar and coronal	2026 Session 01. CHSKP at 50 years: Towards a Next-Generation 3D Solar Flare Model
004	Satyam Agarwal	CSPAR, The University of Alabama in Huntsville	Beyond Standard Flares: Atypical Solar Flares as a New Category	WG1: Solar and coronal	2026 Session 01. CHSKP at 50 years: Towards a Next-Generation 3D Solar Flare Model
005	Dana Longcope	Montana State University	A new method for extrapolating three-dimensional model fields with current sheets, for application to observed eruptive flares	WG1: Solar and coronal	2026 Session 01. CHSKP at 50 years: Towards a Next-Generation 3D Solar Flare Model
006	Graham Barnes	NWRA	Interpreting Complex Solar Flare Ribbons in the Context of the Magnetic Skeleton	WG1: Solar and coronal	2026 Session 01. CHSKP at 50 years: Towards a Next-Generation 3D Solar Flare Model
007	Ryan French	LASP / CU Boulder	Coronal Magnetic Field Measurements of Solar Flare Loops	WG1: Solar and coronal	2026 Session 01. CHSKP at 50 years: Towards a Next-Generation 3D Solar Flare Model
008	Matthias Rempel	HAO/NSF NCAR	Data inspired simulation of AR 11158	WG1: Solar and coronal	2026 Session 01. CHSKP at 50 years: Towards a Next-Generation 3D Solar Flare Model
009	Joel Dahlin	University of Maryland, College Park	Many Ways to Fail: Modeling Flare Confinement	WG1: Solar and coronal	2026 Session 01. CHSKP at 50 years: Towards a Next-Generation 3D Solar Flare Model
010	KD Leka	NWRA	Flare-associated Chromospheric Mass Acceleration: What you think you know…isn't always so!	WG1: Solar and coronal	2026 Session 01. CHSKP at 50 years: Towards a Next-Generation 3D Solar Flare Model | 2026 Session 03. The Hidden Region of CME Evolution: What Are We Still Missing?
011	Xianyu Liu	University of Michigan Climate & Space Science & Engineering	The Effects of Energy Conservation in Simulating Solar Eruptions	WG1: Solar and coronal	2026 Session 01. CHSKP at 50 years: Towards a Next-Generation 3D Solar Flare Model | 2026 Session 03. The Hidden Region of CME Evolution: What Are We Still Missing?
012	Elizabeth Wraback	HAO/NSF NCAR	Coronal Cavity Magnetic Fields Inferred by DKIST/CryoNIRSP	WG1: Solar and coronal	2026 Session 02. Coronal Cavities and Their Implications for Eruptive Events
013	Don Kolinski	HAO / NSF NCAR	We're back! What's new at the Mauna Loa Solar Observatory	WG1: Solar and coronal	2026 Session 02. Coronal Cavities and Their Implications for Eruptive Events | 2026 Session 03. The Hidden Region of CME Evolution: What Are We Still Missing? | 2026 Session 09. Understanding Complex CME Interactions as drivers of Extreme Space Weather
014	Momchil Molnar	Southwest Research Institute	Probing CME Magnetic Topology with He I 1083 nm Spectropolarimetry of Eruptive Prominences	WG1: Solar and coronal	2026 Session 03. The Hidden Region of CME Evolution: What Are We Still Missing? | 2026 Session 09. Understanding Complex CME Interactions as drivers of Extreme Space Weather
015	Krishnendu Mandal	New Jersey Institute of Technology	helioseismic evidence that the solar dynamo originates near tachocline	WG1: Solar and coronal	2026 Session 04. Flux Emergence from the Deep Interior Through the Solar Atmosphere
016	Marc DeRosa	Lockheed Martin Solar and Astrophysics Laboratory	Analyzing Transport Fluxes in a Solar Photospheric Surface-Flux Transport Model	WG1: Solar and coronal	2026 Session 04. Flux Emergence from the Deep Interior Through the Solar Atmosphere
017	Brian Welsch	University of Wisconsin - Green Bay	Flare-Associated Changes in Near-Surface Electric Currents Along PILs	WG1: Solar and coronal	2026 Session 04. Flux Emergence from the Deep Interior Through the Solar Atmosphere
018	Maria Kazachenko	University of Colorado, Boulder / National Solar Observatory / LASP / ECCC	Recovering Quiet-Sun Plasma Flows from Magnetograms and Intensity Images: Dependence on Cadence, Spatial Resolution, and Inversion Method	WG1: Solar and coronal	2026 Session 04. Flux Emergence from the Deep Interior Through the Solar Atmosphere
019	B. Lekshmi	National Solar Observatory	Helioseismic Inferences of Near‐Surface Flow Dynamics Around Emerging Solar Active Regions	WG1: Solar and coronal	2026 Session 04. Flux Emergence from the Deep Interior Through the Solar Atmosphere
020	Joao M. da Silva Santos	National Solar Observatory	Probing Small-scale Magnetic Reconnection with DKIST	WG1: Solar and coronal	2026 Session 04. Flux Emergence from the Deep Interior Through the Solar Atmosphere
021	Georgios Chintzoglou	Lockheed Martin Solar and Astrophysics Lab	Disruptive Novel Magnetograph Technology to Unravel the Physics of Solar Magnetism	WG1: Solar and coronal	2026 Session 04. Flux Emergence from the Deep Interior Through the Solar Atmosphere
022	Jon A. Linker	Predictive Science Inc.	Comparison of Polar Magnetic Fields from OFT with Solar Orbiter Phi Observations	WG1: Solar and coronal	2026 Session 04. Flux Emergence from the Deep Interior Through the Solar Atmosphere | 2026 Session 08. The Evolution of Solar Magnetic Open Flux and Its Implications for the Solar Cycle
023	Chris Jia	Stanford University	What Causes the Scatter in Active Region Flux Emergence Rates? Buoyancy, Convection, Curvature	WG1: Solar and coronal	**2026 Session 04. Flux Emergence from the Deep Interior Through the Solar Atmosphere** **2026 Student Poster**
024	Caroline L. Evans	University of Colorado Boulder	Understanding how Coronal Heating and Magnetic Field Scaling Affects Global Properties of the Low and Middle Corona	WG1: Solar and coronal	2026 Session 06. The Multi-Source Origin of the Solar Wind in a Global Magnetic Context | 2026 Session 07. New Insights and New Unknowns in the Coupled Corona-Heliosphere System | 2026 Session 08. The Evolution of Solar Magnetic Open Flux and Its Implications for the Solar Cycle | 2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure?
025	Sam Schonfeld	Air Force Research Laboratory	Near-real-time multi-perspective ADAPT magnetic maps	WG1: Solar and coronal	2026 Session 06. The Multi-Source Origin of the Solar Wind in a Global Magnetic Context | 2026 Session 10. Data-driven Time-Dependent Inner Heliospheric Modeling: Methods and Uncertainties
026	Keheng Zhu	University of Michigan	Toward a Dynamic Chromosphere for AWSoM-R: A Field-Aligned Two-Fluid Model of Ionization and Chromospheric Evaporation	WG1: Solar and coronal	2026 Session 06. The Multi-Source Origin of the Solar Wind in a Global Magnetic Context | 2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure?

027	Zac Bailey	Institute for Astronomy at University of Hawaii at Manoa	First maps of Radial Velocities of Coronal Features from 1-3 Rs inferred from Proba-3/ASPIICS	WG1: Solar and coronal	**2026 Session 06. The Multi-Source Origin of the Solar Wind in a Global Magnetic Context | 2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure? 2026 Student Poster**
028	Xiangyu Wu	Mullard Space Science Laboratory, UCL	Do Solar-Wind Electron Temperatures Retain Coronal Source Information at ~0.5 au?	WG1: Solar and coronal	**2026 Session 06. The Multi-Source Origin of the Solar Wind in a Global Magnetic Context 2026 Student Poster**
029	L. Zhao	University of Michigan	A Model for the Solar Cycle that can Forecast Solar Activity	WG1: Solar and coronal	2026 Session 08. The Evolution of Solar Magnetic Open Flux and Its Implications for the Solar Cycle
030	Jackson MacTaggart	University of Michigan	The Radial Transition of Open Magnetic Flux: A Multi-Mission Breakpoint Analysis	WG1: Solar and coronal	2026 Session 08. The Evolution of Solar Magnetic Open Flux and Its Implications for the Solar Cycle
031	Julia R. Clark	Montana State University	Polar Faculae and the Polar Magnetic Field in Solar Cycles 24 and 25	WG1: Solar and coronal	**2026 Session 08. The Evolution of Solar Magnetic Open Flux and Its Implications for the Solar Cycle 2026 Student Poster**
032	D. Lloveras	NASA GSFC	Automatic segmentation of CMEs using synthetically-trained deep neural network on Metis/SolO	WG1: Solar and coronal	2026 Session 09. Understanding Complex CME Interactions as drivers of Extreme Space Weather
033	Katelyn Sonnen	University of Colorado Boulder	Homologous Solar Flares and Their Associated Coronal Mass Ejections: 2006-2025	WG1: Solar and coronal	2026 Session 09. Understanding Complex CME Interactions as drivers of Extreme Space Weather
034	Julian Toczylowski	Andrews University	Investigating Latitudinal Coupling in Solar Cycle Dynamics Using Information Theoretic Measures	WG1: Solar and coronal	2026 Session 10. Data-driven Time-Dependent Inner Heliospheric Modeling: Methods and Uncertainties
035	Chip Manchester	University of Michigan	An AWSoM Time-Evolving Corona	WG1: Solar and coronal	2026 Session 10. Data-driven Time-Dependent Inner Heliospheric Modeling: Methods and Uncertainties
036	Cooper Downs	Predictive Science Inc.	Magnetic Field Line Mappings and Field-Aligned Integrals as a Dimensionality-Reducing Tool to Analyze 3D Models of Coronal Heating and Loop Hydrodynamics	WG1: Solar and coronal	2026 Session 10. Data-driven Time-Dependent Inner Heliospheric Modeling: Methods and Uncertainties | 2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure?
037	Eleni Nikou	U.S. Naval Research Laboratory	Multi-Viewpoint Tracking of a CME-driven Shock Propagating to Mars: Implications for Space Weather Forecasting	WG1: Solar and coronal	2026 Session 11. Evolution of Large-Scale Solar Structures in the Inner Heliosphere: Space Weather at Earth and Mars
038	Artin Khaleghi	New Jersey Institute of Technology	Physics-Informed Neural Networks for Mesh-Free, Data-Free MHD Simulation	WG1: Solar and coronal	2026 Session 15. How is Machine Learning helping us improve space weather prediction?
039	Meiqi Wang	New Jersey Institute of Technology	Tracing the Acceleration and Escape of an Impulsive Solar Energetic Electron Event from the Low Corona to Interplanetary Space	WG1: Solar and coronal	2026 Session 16. The Grand SEP Debate - Flares shocks drift cross-field and all that
040	Richard Frazin	Dept. of Climate and Space Sciences, University of Michigan	Progress and Prospects for Solar Rotational Tomography	WG1: Solar and coronal	2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure?
041	Krishna Khanal	Center for Space Plasma and Aeronomic Research, University of Alabama in Huntsville	Chromospheric Heating by Dissipation of Quasi-2D Turbulence	WG1: Solar and coronal	2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure?
042	Gregory Szypko	Rice University	Modeling Nanoflare-Driven Line Broadening in the Solar Corona	WG1: Solar and coronal	**2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure? 2026 Student Poster**
043	Jessica Hamilton	Georgia State University	Diagnostics of High-Frequency Acoustic Waves at Two Heights in the Lower Solar Atmosphere: Observational Limitations via Realistic Modeling	WG1: Solar and coronal	**2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure? 2026 Student Poster**
044	Jialiang Li	Institute for Space Weather Sciences, New Jersey Institute of Technology	Prediction of Coronal Mass Ejections Using Advanced AI Techniques: From Data Augmentation to Geoeffectiveness¬†Estimation	WG1: Solar and coronal	**2026 Student Poster**
045	Ziyang Zhang	New Jersey Institute of Technology	Physics-Informed Machine Learning for Multi-Layer Spectral Inversion	WG1: Solar and coronal	**2026 Student Poster**
046	Sarah Bruce	University of Colorado Boulder	Measurement of the Coronal Electron Temperature in the Era of DEMs	WG1: Solar and coronal	**2026 Student Poster**
047	Alan Hsu	Harvard University	Calibrating the CORSAIR Polarimeter for its Qualification Flight	WG1: Solar and coronal	**2026 Student Poster**
048	Isaac Asante	Georgia State University	Effect of the Doppler Shift Estimation Method on Azimuthally-Averaged Ring Diagrams	WG1: Solar and coronal	**2026 Student Poster**
049	Darius Desnoes	University of New Hampshire	Modifications of SONTRAC to increase Solar Gamma Ray Detection	WG1: Solar and coronal	**2026 Student Poster**
050	Samriddhi Sankar Maity	Georgia State University, NASA/GSFC	Investigating Coronal Mass Ejections with Spheromak-Based MHD Simulations	WG1: Solar and coronal	**2026 Student Poster**
051	Felix N. Minta	University of Texas at San Antonio	Spatial Structure and Geometric Deflection of Band-Split Type II Solar Radio Burst	WG1: Solar and coronal	**2026 Student Poster**

052	Khagendra Katuwal	New mexico state university	UNIPOLARITY OF THE SOLAR MAGNETIC FIELD IN EQUATORIAL CORONAL HOLES	WG1: Solar and coronal	**2026 Student Poster**
053	Griffin T. Goodwin	Georgia State University	Improving Solar Flare Soft X-Ray Classification with FOXES: A Framework for Operational X-Ray Emission Synthesis	WG1: Solar and coronal	**2026 Student Poster**
054	Corinne Morrell	LASP, University of Colorado Boulder	Observational Strategies for Local Acoustic Source Detection with DKIST/VTF	WG1: Solar and coronal	**2026 Student Poster**
055	Alaa Fayad	University of Texas at Austin	Heating Rates in the Inner Heliosphere	WG1: Solar and coronal	**2026 Student Poster**
056	Arman Manookian	New Jersey Institute of Technology	Spatial and Temporal Analysis of the Photospheric Oscillation Power Spectrum in Delta-Type Active Regions	WG1: Solar and coronal	**2026 Student Poster**
057	Mia Mancuso	NJIT	Observations of Small Scale Brightenings as observed by DKIST and GST	WG1: Solar and coronal	**2026 Student Poster**
058	Jenny M Rodríguez-Gómez	The Catholic University of America, NASA GSFC	Evaluating the impact of the ADAPT flux transport model on WSA coronal magnetic field extrapolations and Solar Spectral Irradiance modeling	WG1: Solar and coronal	
059	Mehmet Sarp Yalim	The University of Alabama in Huntsville	Time-dependent Analysis of Cowling Heating over a Sunspot Light-Bridge using Dunn Solar Telescope and IRIS Data	WG1: Solar and coronal	
060	Peijin Zhang	NJIT	Modeling the Low-Frequency Radio Sun with Ray Tracing	WG1: Solar and coronal	
061	John T. Stefan	New Jersey Institute of Technology	Investigating the Performance of Helioseismic Measurements for Forecasting Active Region Emergence	WG1: Solar and coronal	
062	Kara Kniezewski	Air Force Institute of Technology	Pre-Flare Heating in Coronal Plasmas: Resolving Imprints of Coronal Current Systems in the Photosphere	WG1: Solar and coronal	
063	Daniel Mendoza	University of Colorado Boulder	Quantifying Uncertainties in Coronal Field-Line Extrapolation and Footpoint Identification	WG1: Solar and coronal	
064	Johnathan Stauffer	NRL	An Improved Green's function for Solar Potential Field Extrapolation	WG1: Solar and coronal	
065	Tingyu Gou	Center for Astrophysics | Harvard & Smithsonian	The Formation and Deformation of a CME in the Inner and Middle Corona: Insights from Proba-3/ASPIICS Observations	WG1: Solar and coronal	
066	Binal Patel	Royal Observatory of Belgium	Observations of the solar corona through ASPIICS/Proba-3: New insights into solar wind formation region and CME Initiation	WG1: Solar and coronal	
067	Arpita Roddanavar	NEW JERSEY INSTITUTE OF TECHNOLOGY	Stability and Dynamics of a Pre-eruptive Magnetic Flux Rope in AR 14341 Using the RBSL Technique	WG1: Solar and coronal	
068	Andrew Leisner	George Mason University	Mutli-Metric Determination of the Ideal Source Surface Height for the WSA Coronal Model	WG1: Solar and coronal	
069	Roberto Lionello	Predictive Science Inc.	Spheromaks in The Time-Dependent Corona and Heliosphere	WG1: Solar and coronal WG2: Interplanetary	2026 Session 03. The Hidden Region of CME Evolution: What Are We Still Missing? | 2026 Session 06. The Multi-Source Origin of the Solar Wind in a Global Magnetic Context | 2026 Session 07. New Insights and New Unknowns in the Coupled Corona-Heliosphere System | 2026 Session 10. Data-driven Time-Dependent Inner Heliospheric Modeling: Methods and Uncertainties
070	Christina Kay	JHU APL	Modern Tools for White Light Geometric Reconstructions with Mass Estimates	WG1: Solar and coronal WG2: Interplanetary	2026 Session 03. The Hidden Region of CME Evolution: What Are We Still Missing? | 2026 Session 07. New Insights and New Unknowns in the Coupled Corona-Heliosphere System | 2026 Session 09. Understanding Complex CME Interactions as drivers of Extreme Space Weather | 2026 Session 11. Evolution of Large-Scale Solar Structures in the Inner Heliosphere: Space Weather at Earth and Mars | 2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere
071	Anthony Atkinson	Rice University	Exoplanet Magnetic Fields Through Comparative Heliophysics	WG1: Solar and coronal WG2: Interplanetary	**2026 Session 04. Flux Emergence from the Deep Interior Through the Solar Atmosphere | 2026 Session 10. Data-driven Time-Dependent Inner Heliospheric Modeling: Methods and Uncertainties | 2026 Session 11. Evolution of Large-Scale Solar Structures in the Inner Heliosphere: Space Weather at Earth and Mars** **2026 Student Poster**
072	Yeimy J. Rivera	Center for Astrophysics | Harvard & Smithsonian	The structure of the solar wind and solar sources as organized by magnetolatitude during solar maximum	WG1: Solar and coronal WG2: Interplanetary	2026 Session 06. The Multi-Source Origin of the Solar Wind in a Global Magnetic Context | 2026 Session 07. New Insights and New Unknowns in the Coupled Corona-Heliosphere System | 2026 Session 08. The Evolution of Solar Magnetic Open Flux and Its Implications for the Solar Cycle
073	Evangelos Paouris	Johns Hopkins University Applied Physics Laboratory	Viewing the S-Web from Within: ADAPT-WSA Mapping onto WISPR Observations of the Inner Corona	WG1: Solar and coronal WG2: Interplanetary	2026 Session 06. The Multi-Source Origin of the Solar Wind in a Global Magnetic Context | 2026 Session 07. New Insights and New Unknowns in the Coupled Corona-Heliosphere System | 2026 Session 10. Data-driven Time-Dependent Inner Heliospheric Modeling: Methods and Uncertainties

074	Tong Shi	SETI Institute	Distinguishing Erupted from Confined CMEs in Sun-as-a-Star Observations: AWSoM MHD Simulations with Automated Spectral Fitting and Doppler Shift Extraction	WG1: Solar and coronal WG2: Interplanetary	2026 Session 09. Understanding Complex CME Interactions as drivers of Extreme Space Weather
075	Dinesha V. Hegde	The University of Alabama in Huntsville	SuryaBench: Benchmark Dataset for Advancing Machine Learning Applications in Heliophysics and Space Weather	WG1: Solar and coronal WG2: Interplanetary	2026 Session 15. How is Machine Learning helping us improve space weather prediction?
076	Sayak Bose	Princeton University	Laboratory investigation of Alfv√©n wave phase mixing under conditions relevant to coronal holes and its Implications for coronal heating	WG1: Solar and coronal WG2: Interplanetary	2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure?
077	Lizet Casillas	UCLA	Global-scale Coronal Pseudostreamer Evolution and the Creation of Secondary Heliospheric Current Sheets	WG1: Solar and coronal WG2: Interplanetary WG3: SEP and GCR	2026 Session 04. Flux Emergence from the Deep Interior Through the Solar Atmosphere | 2026 Session 06. The Multi-Source Origin of the Solar Wind in a Global Magnetic Context | 2026 Session 08. The Evolution of Solar Magnetic Open Flux and Its Implications for the Solar Cycle
078	Nariaki Nitta	Lockheed Martin Advanced Technology Center	Energetic Particles from Strong Interplanetary Shocks in November 2025 and January 2026	WG1: Solar and coronal WG2: Interplanetary WG3: SEP and GCR	2026 Session 09. Understanding Complex CME Interactions as drivers of Extreme Space Weather | 2026 Session 12. Recent Extreme Particle Events and SHINE Mini-Challenge | 2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere | 2026 Session 16. The Grand SEP Debate - Flares shocks drift cross-field and all that
079	Carlos R. Braga	Johns Hopkins University Applied Physics Laboratory	Probing a coronal mass ejection near the Sun ‚Äúhead to toe‚Äù	WG1: Solar and coronal WG2: Interplanetary WG4: Microphysics	2026 Session 03. The Hidden Region of CME Evolution: What Are We Still Missing? | 2026 Session 09. Understanding Complex CME Interactions as drivers of Extreme Space Weather
080	Mari Paz Miralles	Center for Astrophysics | Harvard & Smithsonian	Solar SMA: A New Solar Surveyor of the Sun	WG1: Solar and coronal WG3: SEP and GCR	2026 Session 01. CHSKP at 50 years: Towards a Next-Generation 3D Solar Flare Model | 2026 Session 02. Coronal Cavities and Their Implications for Eruptive Events | 2026 Session 05. The Era of Large-N Radio Arrays: Democratizing SHINE Science with Next-Generation Radio Interferometers | 2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure?
081	Talwinder Singh	Georgia State University	Improving Solar Flare Forecasting Using the Time Evolution of SHARP Parameters	WG1: Solar and coronal WG3: SEP and GCR	2026 Session 01. CHSKP at 50 years: Towards a Next-Generation 3D Solar Flare Model | 2026 Session 04. Flux Emergence from the Deep Interior Through the Solar Atmosphere
082	Kelly Victor-French	U.S. Naval Research Laboratory	The Coronal Brightness Index ContinuesCBI, CMEs, and SEPs	WG1: Solar and coronal WG3: SEP and GCR	2026 Session 12. Recent Extreme Particle Events and SHINE Mini-Challenge
083	Rudra Kafle	Worcester Polytechnic Institute	The CHASM-SWPC Dataset for Coronal Hole Detection & Analysis	WG1: Solar and coronal WG3: SEP and GCR	2026 Session 15. How is Machine Learning helping us improve space weather prediction?
084	Anna Fitzmaurice	University of Maryland College Park	Kinetic Instabilities caused by Accelerated Protons after Reconnection and Associated 3He Heating	WG1: Solar and coronal WG3: SEP and GCR	**2026 Session 16. The Grand SEP Debate - Flares shocks drift cross-field and all that** **2026 Student Poster**
085	Anshika Singh	New Jersey Institute of Technology (NJIT)	Multi-wavelength Emission Signatures of Erupting Magnetic Flux Ropes	WG1: Solar and coronal WG3: SEP and GCR	**2026 Student Poster**
086	Bin Chen	New Jersey Institute of Technology	Solar Radio Observing Capabilities at the Owens Valley Radio Observatory: Status Update	WG1: Solar and coronal WG4: Microphysics	2026 Session 01. CHSKP at 50 years: Towards a Next-Generation 3D Solar Flare Model | 2026 Session 02. Coronal Cavities and Their Implications for Eruptive Events | 2026 Session 03. The Hidden Region of CME Evolution: What Are We Still Missing? | 2026 Session 05. The Era of Large-N Radio Arrays: Democratizing SHINE Science with Next-Generation Radio Interferometers | 2026 Session 06. The Multi-Source Origin of the Solar Wind in a Global Magnetic Context | 2026 Session 12. Recent Extreme Particle Events and SHINE Mini-Challenge | 2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere | 2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure?
087	Marcel F. Corchado Albelo	University of Colorado Boulder	Temporal Evolution of a 3D Coronal Plasmoid, and its Impact on the Net Reconnection Flux Rate and Flare Ribbon Fine Structure.	WG1: Solar and coronal WG4: Microphysics	**2026 Session 01. CHSKP at 50 years: Towards a Next-Generation 3D Solar Flare Model** **2026 Student Poster**
088	Sujay Shankar	Boston University	Modeling Fast Magnetic Reconnection in Solar Flare Current Sheets	WG1: Solar and coronal WG4: Microphysics	**2026 Session 01. CHSKP at 50 years: Towards a Next-Generation 3D Solar Flare Model** **2026 Student Poster**

089	C. R. Gilly	NorthWest Research Associates	PUNCH in Place: Variations on Multi-Observatory Composites	WG1: Solar and coronal WG4: Microphysics	2026 Session 02. Coronal Cavities and Their Implications for Eruptive Events | 2026 Session 03. The Hidden Region of CME Evolution: What Are We Still Missing? | 2026 Session 06. The Multi-Source Origin of the Solar Wind in a Global Magnetic Context | 2026 Session 07. New Insights and New Unknowns in the Coupled Corona-Heliosphere System | 2026 Session 08. The Evolution of Solar Magnetic Open Flux and Its Implications for the Solar Cycle | 2026 Session 11. Evolution of Large-Scale Solar Structures in the Inner Heliosphere: Space Weather at Earth and Mars | 2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure?
090	Aidan Nakhleh	University of Michigan	Heavy Ions as in-situ Diagnostics of Solar Wind Formation and Heating	WG1: Solar and coronal WG4: Microphysics	**2026 Session 06. The Multi-Source Origin of the Solar Wind in a Global Magnetic Context | 2026 Session 18. Routes to Dissipation in the Near-Sun Solar Wind | 2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics** **2026 Student Poster**
091	Emily Mason	Predictive Science Inc.	Tracking Magnetic Topological Change in a Time-Dependent Coronal Model	WG1: Solar and coronal WG4: Microphysics	2026 Session 08. The Evolution of Solar Magnetic Open Flux and Its Implications for the Solar Cycle | 2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure?
092	Zeping Jin	Department of Space Physics, University of Alabama in Huntsville	Proton Temperature Anisotropy Across Interplanetary Shocks: A Statistical Analysis with WIND observations	WG1: Solar and coronal WG4: Microphysics	**2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics** **2026 Student Poster**
093	Dominic Payne	University of Michigan	Switchback Formation and The Role of Instabilities in Non-Adiabatic Evolution of the Solar Wind Across the Coronal Conversion Layer	WG1: Solar and coronal WG4: Microphysics	
094	Viacheslav (Slava) Sadykov	Georgia State University	A Machine Learning-Ready Dataset of GAMERA-GL CME Simulations for Forward and Inverse Modeling of the Interplanetary Magnetic Field at L1	WG2: Interplanetary	2026 Session 03. The Hidden Region of CME Evolution: What Are We Still Missing? | 2026 Session 09. Understanding Complex CME Interactions as drivers of Extreme Space Weather
095	Yakub Olufadi	University of new Hampshire Durha	Decoupling CME Properties from Solar Cycle Effects and Heliocentric Distance	WG2: Interplanetary	2026 Session 03. The Hidden Region of CME Evolution: What Are We Still Missing? | 2026 Session 09. Understanding Complex CME Interactions as drivers of Extreme Space Weather | 2026 Session 11. Evolution of Large-Scale Solar Structures in the Inner Heliosphere: Space Weather at Earth and Mars | 2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure?
096	Susan T. Lepri	The University of Michigan	Geoeffectivity of Solar Wind Heavy Ions	WG2: Interplanetary	2026 Session 03. The Hidden Region of CME Evolution: What Are We Still Missing? | 2026 Session 09. Understanding Complex CME Interactions as drivers of Extreme Space Weather | 2026 Session 11. Evolution of Large-Scale Solar Structures in the Inner Heliosphere: Space Weather at Earth and Mars
097	Carson Brown	University of Delaware	Polytropic Behavior of the Slow and Fast Solar Wind	WG2: Interplanetary	2026 Session 06. The Multi-Source Origin of the Solar Wind in a Global Magnetic Context
098	Olga Verkhoglyadova	Jet Propulsion Laboratory, CalTech	Science gaps in understanding the near-Earth solar wind at mesoscales	WG2: Interplanetary	2026 Session 06. The Multi-Source Origin of the Solar Wind in a Global Magnetic Context | 2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics
099	Evangelia Samara	NASA/GSFC, The Catholic University of America	Solar Orbiter‚Äôs far-side magnetogram impacts on coronal holes and solar wind predictions	WG2: Interplanetary	2026 Session 07. New Insights and New Unknowns in the Coupled Corona-Heliosphere System
100	Phillip Hess	NRL	Localizing Structure of the March 13, 2023 CME with PSP/WISPR and SO/SOLOHI	WG2: Interplanetary	2026 Session 07. New Insights and New Unknowns in the Coupled Corona-Heliosphere System
101	Jia Huang	Space Sciences Laboratory, U.C. Berkeley	Updated Solar Wind Angular Momentum Flux Calculation with Calibrated Transverse Velocity Measured by SPAN-Ion onboard Parker Solar Probe Mission During E22-E27	WG2: Interplanetary	2026 Session 07. New Insights and New Unknowns in the Coupled Corona-Heliosphere System | 2026 Session 08. The Evolution of Solar Magnetic Open Flux and Its Implications for the Solar Cycle
102	Robin Colaninno	US Naval Research Laboratory	SoloHI Low Latency Data Product for Space Weather	WG2: Interplanetary	2026 Session 07. New Insights and New Unknowns in the Coupled Corona-Heliosphere System | 2026 Session 11. Evolution of Large-Scale Solar Structures in the Inner Heliosphere: Space Weather at Earth and Mars
103	B. L. Alterman	NASA/GSFC	The Solar Wind Helium Abundance: A Solar Activity Indicator Driven by Active Regions	WG2: Interplanetary	2026 Session 08. The Evolution of Solar Magnetic Open Flux and Its Implications for the Solar Cycle
104	Ronald M. Caplan	Predictive Science Inc.	Comparison of Time-dependent Boundary-driven Heliospheric MHD models	WG2: Interplanetary	2026 Session 10. Data-driven Time-Dependent Inner Heliospheric Modeling: Methods and Uncertainties
105	N. Lugaz	University of New Hampshire	Measurements of CMEs and SIRs from Sunward of the L1 Point: Space Weather Perspectives	WG2: Interplanetary	2026 Session 11. Evolution of Large-Scale Solar Structures in the Inner Heliosphere: Space Weather at Earth and Mars
106	Nehpreet Walia	Princeton University	Direct detection of Merged Interaction Regions in the Interstellar Boundary Explorer data	WG2: Interplanetary	2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere
107	Katelyn Youngjohn	University of Texas at Dallas	Electrostatic Solitary Waves Around Interplanetary Shocks	WG2: Interplanetary	**2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere** **2026 Student Poster**
108	Xiaolei Li	Auburn University	Radial evolution of near-Sun switchbacks occurrence rate, size, and Alfv√©nicity	WG2: Interplanetary	2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics

109	Amy K. Murphy	University of New Hampshire	An Exploration of Small Flux Rope Boundary Identification Methods	WG2: Interplanetary	
110	Syed Raza	The University of Alabama in Huntsville	Toward Better CME Time-of-Arrival Forecasts Using Data-Driven Solar Wind Modeling and Machine Learning	WG2: Interplanetary	
111	Lidiya Ahmed	Harvard University	A HUX-Like Approach to Solar Wind Forecasting Using Parker Solar Probe as an Upstream Monitor	WG2: Interplanetary	
112	Brian E. Wood	Naval Research Laboratory	A 3-D Reconstruction of CMEs Launched Toward Earth on 2025 November 9-11	WG2: Interplanetary WG3: SEP and GCR	2026 Session 09. Understanding Complex CME Interactions as drivers of Extreme Space Weather | 2026 Session 12. Recent Extreme Particle Events and SHINE Mini-Challenge
113	Wenwen Wei	Space Sciences Laboratory, University of California, Berkeley	Modeling and Data Analysis of the Solar Energetic Particles during the May 2024 Geostorm Event	WG2: Interplanetary WG3: SEP and GCR	2026 Session 12. Recent Extreme Particle Events and SHINE Mini-Challenge
114	Savvas Raptis	Johns Hopkins University Applied Physics Laboratory	Reinforced Shock Acceleration Across the Solar System and Beyond	WG2: Interplanetary WG3: SEP and GCR	2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere
115	Parisa Mostafavi	Johns Hopkins University Applied Physics Lab	Outer Planets as Probes of the Transition from the Thermal Solar Wind to the Pickup-Ion-Mediated Plasma	WG2: Interplanetary WG3: SEP and GCR	2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere
116	Jeongbhin Seo	Los Alamos National Laboratory	Modeling ENA and Pickup-Ion Distributions in the Global Heliosphere	WG2: Interplanetary WG3: SEP and GCR	2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere
117	Nikolett Biro	University of Michigan	A Fully Automated CME Simulation Pipeline Developed by the CLEAR Space Weather Center of Excellence	WG2: Interplanetary WG3: SEP and GCR	**2026 Student Poster**
118	David Galarza	University of Florida	Suprathermal Electron Pitch Angle Distribution Classification in the Inner Heliosphere	WG2: Interplanetary WG3: SEP and GCR	
119	Robert C Allen	Southwest Research Institute	Cross-scale Structuring of Coronal Mass Ejection-driven Shocks with Implications to Suprathermal to Energetic Particles	WG2: Interplanetary WG3: SEP and GCR WG4: Microphysics	2026 Session 11. Evolution of Large-Scale Solar Structures in the Inner Heliosphere: Space Weather at Earth and Mars | 2026 Session 12. Recent Extreme Particle Events and SHINE Mini-Challenge | 2026 Session 13. Dynamics of Particle Populations Throughout the Inner Heliosphere | 2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere | 2026 Session 16. The Grand SEP Debate - Flares shocks drift cross-field and all that
120	Bin Zhuang	University of New Hampshire	Incoherence of a Coronal Mass Ejection with the Occurrence of Internal Magnetic Reconnection Investigated by Multi-Spacecraft Measurements	WG2: Interplanetary WG4: Microphysics	2026 Session 03. The Hidden Region of CME Evolution: What Are We Still Missing?
121	Chin-Chun Wu	Naval Research Laboratory	Merging of multiple CMEs as the Solar Source of the Grand Geomagnetic Storm in May 2024	WG2: Interplanetary WG4: Microphysics	2026 Session 09. Understanding Complex CME Interactions as drivers of Extreme Space Weather
122	Konstantinos Horaites	CIRES/NOAA	Calibration and Validation of the SOLAR-1 Magnetometer	WG2: Interplanetary WG4: Microphysics	2026 Session 11. Evolution of Large-Scale Solar Structures in the Inner Heliosphere: Space Weather at Earth and Mars
123	M. E. Cuesta	Space Physics Group @ Princeton University	Correlation of Spatial Diffusion Upstream of Shocks with their Magnetic Compression: An Application of IMAP‚Äôs Living Catalog of Interplanetary Shocks	WG2: Interplanetary WG4: Microphysics	2026 Session 13. Dynamics of Particle Populations Throughout the Inner Heliosphere | 2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere
124	Xi Lu	University of Texas at Dallas	Statistical Analysis of Electrostatic Waves in Interplanetary Shocks	WG2: Interplanetary WG4: Microphysics	2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere
125	Riddhi Bandyopadhyay	University of Delaware	Solar Wind Turbulence near the Alfven Surface	WG2: Interplanetary WG4: Microphysics	2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure?
126	X. Yu	University of Wisconsin - Madison	3D Magnetic Null Points Formation and Motion During Reconnection in the Laboratory	WG2: Interplanetary WG4: Microphysics	
127	Vamsee Jagarlamudi	JHUAPL	Statistical Analysis of Plasma Properties of slow-Alfvenic wind in the inner heliosphere: Parker Solar Probe Observations	WG2: Interplanetary WG4: Microphysics	
128	Samuel Granovsky	New Jersey Institute of Technology	3D Radiative MHD Modeling of Particle Beam Heating of the Solar Atmosphere	WG3: SEP and GCR	**2026 Session 01. CHSKP at 50 years: Towards a Next-Generation 3D Solar Flare Model** **2026 Student Poster**
129	Antonio E. Niemela	UMBC - NASA/GSFC	Beyond the Single Eruption: What the 9 October 2024 Storm Teaches Us About Extreme SEP Events	WG3: SEP and GCR	2026 Session 09. Understanding Complex CME Interactions as drivers of Extreme Space Weather
130	James M. Ryan	University of New Hampshire	Simpson Network Measurements of 2026 November 11 Ground Level Enhancement (GLE77)	WG3: SEP and GCR	2026 Session 09. Understanding Complex CME Interactions as drivers of Extreme Space Weather | 2026 Session 11. Evolution of Large-Scale Solar Structures in the Inner Heliosphere: Space Weather at Earth and Mars | 2026 Session 12. Recent Extreme Particle Events and SHINE Mini-Challenge
131	Abdullah Shmies	The University of Texas at San Antonio	Thermal Properties of Solar Flares Associated with Ground-Level Enhancement Events	WG3: SEP and GCR	**2026 Session 09. Understanding Complex CME Interactions as drivers of Extreme Space Weather | 2026 Session 12. Recent Extreme Particle Events and SHINE Mini-Challenge | 2026 Session 16. The Grand SEP Debate - Flares shocks drift cross-field and all that** **2026 Student Poster**
132	C.M.S. Cohen	Caltech	Understanding the Compositional Variability in the November 2025 Solar Energetic Particle Events	WG3: SEP and GCR	2026 Session 12. Recent Extreme Particle Events and SHINE Mini-Challenge

133	Kathryn Whitman	KBR, NASA JSC SRAG	The CLEAR SEP Benchmark Dataset	WG3: SEP and GCR	2026 Session 12. Recent Extreme Particle Events and SHINE Mini-Challenge | 2026 Session 16. The Grand SEP Debate - Flares shocks drift cross-field and all that
134	Arch Robison	Montana State University	Latitudinal Variability of Stratospheric 14C Production During Major Solar Energetic Particle Events	WG3: SEP and GCR	**2026 Session 12. Recent Extreme Particle Events and SHINE Mini-Challenge** **2026 Student Poster**
135	Gabriel Muro	California Instute of Technology	Examining the Q/M dependence of heavy ion abundances in SEP events with IMAP	WG3: SEP and GCR	2026 Session 13. Dynamics of Particle Populations Throughout the Inner Heliosphere
136	Ethan Schuyler Bair	Boston University	Self-Consistently Modeling the Evolution of Interstellar Pickup Ions	WG3: SEP and GCR	2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere
137	Immanuel Christopher Jebaraj	Department of Physics and Astronomy, University of Turku, Finland	How collisionless shocks evolve and regulate themselves in the inner heliosphere	WG3: SEP and GCR	2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere
138	Dillon Anderson	Montana State University, Bozeman	Charge-to-Mass Dependence of SEP Spectral Roll-Over Energies in Near-Sun Events	WG3: SEP and GCR	2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere
139	Sungmin Pak	Princeton University	Abundance Ratio Variations in Solar Energetic Particle Events Observed by Parker Solar Probe from 2018 - 2025	WG3: SEP and GCR	2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere | 2026 Session 16. The Grand SEP Debate: Flares shocks drift cross-field and all that
140	Weihao Liu	University of Michigan	Counterintuitive Magnetic Connectivity and Energetic Particle Flux Differences among Nearby Observers During the 2023 February 24 Solar Energetic Particle Event	WG3: SEP and GCR	**2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere | 2026 Session 16. The Grand SEP Debate: Flares shocks drift cross-field and all that** **2026 Student Poster**
141	Dibyendu Sur	NASA GSFC / CUA	Solar Energetic Particles at Mars: MAVEN SEP, MAG, and SWIA and Model Analysis	WG3: SEP and GCR	2026 Session 16. The Grand SEP Debate: Flares shocks drift cross-field and all that
142	Andrew Kuhlman	University of New Hampshire	High Energy Solar Neutrons and How to Measure Them	WG3: SEP and GCR	**2026 Student Poster**
143	Pouya Hosseinzadeh	Utah State University	A Multi-Instrument Time-Series Dataset for Pre-Flare Solar Activity and Solar Energetic Particle Event Prediction	WG3: SEP and GCR	**2026 Student Poster**
144	MohammadReza EskandariNa	Utah State University	Evaluating Data Preparation Strategies for Solar Energetic Particle Event Prediction Using Pre-Flare Multivariate Time Series	WG3: SEP and GCR	**2026 Student Poster**
145	Enosh Herath Mudiyanselage	Georgia State University	Using the gLOWCOST Muon Detector Network to Study Geomagnetic Storm Precursors and Geomagnetic Field Variations	WG3: SEP and GCR	**2026 Student Poster**
146	Gergely Koban	University of Michigan	Testing the Automated SOFIE Pipeline for Real-Time CME and SEP Forecasting During ARTEMIS	WG3: SEP and GCR	**2026 Student Poster**
147	Chloe Heifner	University of Delaware	Air Shower Reconstruction for Analysis of Neutron Monitor Catch Events	WG3: SEP and GCR	**2026 Student Poster**
148	Malik H. Walker	Johns Hopkins University	Radial Dependency of ICME-associated Particle Acceleration Processes via Statistical Multipoint Observations from 2016-2023	WG3: SEP and GCR	**2026 Student Poster**
149	Aatiya Ali	Georgia State University	Multi-Model Comparison for Short-Term Solar Proton Event Prediction with Energetic Electrons: Comparing Classical Ensembles and Neural Transformers	WG3: SEP and GCR	
150	Malcolm Colson	University of New Hampshire	Searching for Neutron Monitor Sites as Alternatives to Mawson and Cape Schmidt	WG3: SEP and GCR	
151	Sanjib K C	Georgia State University	Understanding Ionizing Radiation Exposure at Aviation Altitudes: Machine Learning Analysis and Cosmic Ray Muon Measurements	WG3: SEP and GCR	
152	Pierre-Simon Mangeard	University of Delaware	Upgraded Neutron Monitor--Based Alert System for Ground-Level Enhancements	WG3: SEP and GCR	
153	Rubaiya Khondoker Shikha	Dept. of Space Science, UAH	Role of intermittent turbulence and flux ropes in tempered superdiffusive SEP acceleration at a quasi-perpendicular shock	WG3: SEP and GCR	
154	Adolfo Santa Fe Duenas	University of New Hampshire	Multi-Spacecraft Investigation of Energetic Storm Particle Events at Interplanetary Shocks Using ACE, Wind, and STEREO-A	WG3: SEP and GCR	
155	G Berland	Applied Physics Laboratory	Multi-spacecraft Observation of the 29 September 2024 Nose Event	WG3: SEP and GCR	
156	Ali Rahmati	UCB/SSL	The SupraThermal Ion Sensor (STIS) onboard the SOLAR-1 (Space weather Observations at L1 to Advance Readiness - 1) mission	WG3: SEP and GCR	
157	Ashraf Moradi	University of Arizona	Transport of Impulsive Solar Energetic Particle Event into the Interplanetary Space	WG3: SEP and GCR	
158	Giulia Murtas	West Virginia University	The Role of Magnetic Reconnection in Energizing Protons and Heavier Ions at the Heliospheric Current Sheet	WG3: SEP and GCR WG4: Microphysics	2026 Session 13. Dynamics of Particle Populations Throughout the Inner Heliosphere
159	Rui Huang	University of Iowa	Diagnosing Non-Relativistic Particle Acceleration in Low-Beta Plasma Turbulence with PIC Simulation TRISTAN Data	WG3: SEP and GCR WG4: Microphysics	**2026 Session 18. Routes to Dissipation in the Near-Sun Solar Wind | 2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics** **2026 Student Poster**

160	Shiva Bikram Thapa	Dartmouth College	Onset of Fast Magnetic Reconnection induced by Resistivity Gradients with application to lower solar atmosphere	WG4: Microphysics	2026 Session 04. Flux Emergence from the Deep Interior Through the Solar Atmosphere | 2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure? | 2026 Session 18. Routes to Dissipation in the Near-Sun Solar Wind
161	Faisal Sayed	The University of Texas at Austin	Resistive instabilities of current sheets in stratified plasmas with a gravitational field	WG4: Microphysics	2026 Session 08. The Evolution of Solar Magnetic Open Flux and Its Implications for the Solar Cycle | 2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere | 2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics
162	Srijan Bharati Das	Center for Astrophysics | Harvard & Smithsonian	Strong Prevalence of Hammerhead Velocity Distributions Close to the Heliospheric Current Sheet	WG4: Microphysics	2026 Session 13. Dynamics of Particle Populations Throughout the Inner Heliosphere | 2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure? | 2026 Session 18. Routes to Dissipation in the Near-Sun Solar Wind
163	Justin Riggs	University of Iowa	Ion Reflection at Collisionless Shocks: Quantifying the Impact of Electric and Magnetic Fields	WG4: Microphysics	2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere
164	Senbei Du	Boston University	Kinetic Physics of Magnetic Field-aligned Streaming of Pickup Ions	WG4: Microphysics	2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere | 2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics
165	Alberto Felix	University of Iowa	Subpopulation Analysis and the Division of Ion Energy Flux in Collisionless Quasiperpendicular Shock Simulations	WG4: Microphysics	**2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere** **2026 Student Poster**
166	Niranjana Shankarappa	The University of Arizona	Free Energy Sources of Ion-scale Waves Observed by Parker Solar Probe	WG4: Microphysics	2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure? | 2026 Session 18. Routes to Dissipation in the Near-Sun Solar Wind | 2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics
167	Michael Zhang	University of Otago	Minor ions as a probe of collisionless turbulent heating: extreme anisotropy and temperature inversions	WG4: Microphysics	2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure? | 2026 Session 18. Routes to Dissipation in the Near-Sun Solar Wind | 2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics
168	Evan L. Yerger	Space Science Center, University of New Hampshire	Proton Heating and Parallel-Ion-Cyclotron-Wave Feedback in Hybrid-PIC Simulations of Forced, Imbalanced Turbulence	WG4: Microphysics	2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure? | 2026 Session 18. Routes to Dissipation in the Near-Sun Solar Wind | 2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics
169	Tamar Ervin	UC Berkeley | Space Sciences Lab	Observational Constraints on Collisionless Heating in the Solar Wind	WG4: Microphysics	**2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure? | 2026 Session 18. Routes to Dissipation in the Near-Sun Solar Wind** **2026 Student Poster**
170	Zilei Chen	Florida Institute of Technology	Evolution of Solar Wind Residual Energy in Sub-Alfvenic Regions	WG4: Microphysics	2026 Session 18. Routes to Dissipation in the Near-Sun Solar Wind | 2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics
171	MONIKA KARKI	The University of Alabama in Huntsville	Radial Evolution of Turbulent Fluctuations Near Sun Using Parker Solar Probe and Solar Orbiter Measurements	WG4: Microphysics	**2026 Session 18. Routes to Dissipation in the Near-Sun Solar Wind | 2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics** **2026 Student Poster**
172	Zhuoran Gao	University of Delaware	Inertial-Range Energy Transfer Free from Isotropic Assumption in Turbulent Space Plasma	WG4: Microphysics	**2026 Session 18. Routes to Dissipation in the Near-Sun Solar Wind | 2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics** **2026 Student Poster**
173	Zihang Cheng	Department of Physics and Astronomy, University of Delaware	Statistics of Locally Averaged Energy Transfer Rate in Plasma Turbulence	WG4: Microphysics	**2026 Session 18. Routes to Dissipation in the Near-Sun Solar Wind | 2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics** **2026 Student Poster**
174	Bart van der Holst	Boston University	Transport of Nearly Incompressible Turbulence in the Outer Heliosphere	WG4: Microphysics	2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics
175	Jean C. Perez	Florida Institute of Technology	The integral and correlation scales of solar wind turbulence	WG4: Microphysics	2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics
176	Hasith Perera	Department of Physics and Astronomy, Clemson University	Understanding electron motion during Landau damping of a Langmuir wave through the lens of entropy	WG4: Microphysics	**2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics** **2026 Student Poster**
177	Jiaming Wang	University of Delaware	Scale-dependent Skewness and Kurtosis in Kinetic and MHD Plasmas	WG4: Microphysics	**2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics** **2026 Student Poster**
178	Alvin J. G. Angeles	University of New Hampshire	Single to Multipoint Measurements of Ion-Scale Solar Wind Turbulence at 1 AU	WG4: Microphysics	**2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics** **2026 Student Poster**
179	M. B. Khan	University of Delaware	Statistics of Magnetic Reconnection in MHD Turbulence: Simulations and Observations	WG4: Microphysics	**2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics** **2026 Student Poster**
180	Atit Deuja	University of Alabama in Huntsville	Nonlinear evolution of tearing instability and dissipation in magnetic reconnection with increasing guide field	WG4: Microphysics	**2026 Student Poster**
181	Jesse Wilson	Florida Institute of Technology	Modeling the Evolution of Scale-Dependent Intermittency Using Parametric Scaling of Normal Inverse Gaussian Distributions	WG4: Microphysics	**2026 Student Poster**

182	Shreya Dwivedi	UW-Madison	Magnetically-Driven Plasma Jet Experiments on the Big Red Ball	WG4: Microphysics	**2026 Student Poster**
183	William Taranto	University of Delaware	Solar Cycle Modulation of Permutation Entropy and Statistical Complexity of the Solar Wind	WG4: Microphysics	**2026 Student Poster**
184	Rayta Pradata	University of Delaware	Exploring Magnetic Island Morphology with 2D MHD	WG4: Microphysics	
185	Hayden Atkinson	University of Delaware	Estimating prevalence of reconnection in turbulence using virtual satellite passes through simulations	WG4: Microphysics	
186	Regis John	The University of Iowa	Direct measurements of electron energization by parallel electric fields in magnetic reconnection	WG4: Microphysics	
187	Subash Adhikari	University of Delaware	Zeroth law of turbulence in nearly collisionless plasmas	WG4: Microphysics	
188	Dipanwita Misra	Graduate Student	Fast Magnetosonic Shock Formation During Lorentz-Force-Driven Current Sheet Collapse: An MHD Baseline for Partially Ionized Chromospheric Plasmas	WG4: Microphysics	
189	Samuel Fordin	NASA GSFC	Ion-Scale Waves Near the Heliospheric Current Sheet: A Parker Solar Probe-Wind Conjunction Study	WG4: Microphysics	
190	Xiaohan Ma	Boston University	Turbulence and Intermittency Driven by Instabilities of the Heliospheric Jets	WG4: Microphysics	
191	Sagar Ghimire	University of Alabama in Huntsville (UAH)	Geometric Organization of Solar Wind and Turbulence Properties Between the Sun and Earth	WG4: Microphysics	
192	Yan Xu	NJIT	AI-Generated MDI Vector Magnetograms	Other	2026 Session 15. How is Machine Learning helping us improve space weather prediction?
193	Eunsu Park	Korea Astronomy and Space Science Institute	A deep-learning approach for inferring solar and geomagnetic parameters of the 1859 Carrington event	Other	
194	Abhinav G. Iyer	The University of Sydney	Linking Changes in Magnetic Energy to Internal and External Currents	Other WG1: Solar and coronal	**2026 Session 04. Flux Emergence from the Deep Interior Through the Solar Atmosphere | 2026 Session 10. Data-driven Time-Dependent Inner Heliospheric Modeling: Methods and Uncertainties** **2026 Student Poster**
195	Ying Wang	New Jersey Institute of Technology	A Collective Study of Polar Crown Filament Eruptions	coronal	
196	Jihyeon Son	Korea Astronomy & Space Science Institute	Forecast of SYM-H Index Under Strong Southward IMF Condition Using Deep Learning	Other WG1: Solar and coronal WG2: Interplanetary	2026 Session 11. Evolution of Large-Scale Solar Structures in the Inner Heliosphere: Space Weather at Earth and Mars
197	Andres Munoz-Jaramillo	Southwest Research Institute	The VOCAL Framework: Conceptual Vocabulary as the Binding Constraint on Human-AI Collaboration Quality	Other WG1: Solar and coronal WG2: Interplanetary WG3: SEP and GCR WG4: Microphysics	2026 Session 01. CHSKP at 50 years: Towards a Next-Generation 3D Solar Flare Model | 2026 Session 02. Coronal Cavities and Their Implications for Eruptive Events | 2026 Session 03. The Hidden Region of CME Evolution: What Are We Still Missing? | 2026 Session 04. Flux Emergence from the Deep Interior Through the Solar Atmosphere | 2026 Session 05. The Era of Large-N Radio Arrays: Democratizing SHINE Science with Next-Generation Radio Interferometers | 2026 Session 06. The Multi-Source Origin of the Solar Wind in a Global Magnetic Context | 2026 Session 07. New Insights and New Unknowns in the Coupled Corona-Heliosphere System | 2026 Session 08. The Evolution of Solar Magnetic Open Flux and Its Implications for the Solar Cycle | 2026 Session 09. Understanding Complex CME Interactions as drivers of Extreme Space Weather | 2026 Session 10. Data-driven Time-Dependent Inner Heliospheric Modeling: Methods and Uncertainties | 2026 Session 11. Evolution of Large-Scale Solar Structures in the Inner Heliosphere: Space Weather at Earth and Mars | 2026 Session 12. Recent Extreme Particle Events and SHINE Mini-Challenge | 2026 Session 13. Dynamics of Particle Populations Throughout the Inner Heliosphere | 2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere | 2026 Session 15. How is Machine Learning helping us improve space weather prediction? | 2026 Session 16. The Grand SEP Debate - Flares shocks drift cross-field and all that | 2026 Session 17. Coronal Heating and Acceleration near the Sun: What Have We Learned and What Remains to Reach Closure? | 2026 Session 18. Routes to Dissipation in the Near-Sun Solar Wind | 2026 Session 19. Solar Wind Turbulence Across Scales: From MHD to Kinetic Physics
198	Pontus C. Brandt	Johns Hopkins APL	Call for Action: New Horizons - Our Only Outpost in the Outer Heliosphere	Other WG3: SEP and GCR WG4: Microphysics	2026 Session 14. Shock Waves and Energetic Particles Across the Heliosphere: Evolution of Structure and Processes from the Sun to the Outer Heliosphere