

PSP/SO/DKIST Joint Meeting Agenda

San Antonio (TX); April 09-11, 2024

[^ = Plenary speakers; * = invited speakers]

Tue. 09th April	First Name	Last Name	Abstract Title
08:30-09:00	Stefano	Livi	Welcome, local information, and introduction.
09:00-09:30	^Tom	Schad	Harnessing the power of DKIST for multi-messenger solar physics
09:30-10:00	^Nour	Raouafi	Parker Solar Probe: Science highlights and mission status
	^Adam	Szabo	
10:00-10:30	^Daniel	Müller	Solar Orbiter: Science highlights and mission status
10:30-11:00	Coffee & Posters		
Topic 2	Evolution of plasma and magnetic field in the solar atmosphere and in the heliosphere		Serena Criscuoli
11:00-11:15	*Ryan	Campbell	DKIST's view of quiet photospheric magnetism and application of neural networks to the characterisation of Stokes profiles
11:15-11:30	*Joao	da Silva Santos	Magnetic Fields in Solar Plage Regions: Insights from DKIST/ViSP Observations
11:30-11:45	*Daniele	Telloni	Synergetic observations of the Sun and heliosphere with Solar Orbiter/Metis and Parker Solar Probe - [remote talk]
11:45-12:00	Hanna	Strecker	Active region evolution studied from different vantage points
12:00-12:15	*Nawin	Ngampoopun	Investigating solar wind outflow from open-closed magnetic field structures using coordinated Solar Orbiter and Hinode observations

12:15-12:30	Tim	Horbury	The radial evolution and importance of isolated ion-scale structures in the solar wind
12:30-14:00	Lunch		
Topic 2	Evolution of plasma and magnetic field in the solar atmosphere and in the heliosphere		Mike Stevens
14:00-14:15	Mark	Rast	Identifying and Employing Discrete Wave Sources in the Lower Solar Atmosphere
14:15-14:30	Sihui	Zhong	Polarization of decayless kink oscillations of coronal loops by AIA/SDO and HRIEUV/Solar Orbiter
14:30-14:45	Krzysztof	Barczynski	First high-resolution coordinated observations of an active region with Solar Orbiter and DKIST
14:45-15:00	Peter	Tatum	Observations of the Relationship Between Local Turbulent Wave Power and Switchback Deflection Angle in the Near-Sun Solar Wind
15:00-15:15	* Juan	Martinez Sykora	Small-scale turbulence heats the solar chromosphere in plage regions
15:15-15:30	Nikos	Sioulas	Higher-Order Analysis of Three-Dimensional Anisotropy in Imbalanced Alfvénic Turbulence
15:30-16:00	Coffee & Posters		
Hands-on Data Analysis Section			Daniel Müller
16:00-16:20	* Alisdair	Davey	DKIST Data Center
16:20-17:30	* Laura	Hayes	SunPy Data Analysis Session
17:30	Wine & Cheese		

Wed. 10th April	First Name	Last Name	Abstract Title
Topic 1	Origin of the Solar Wind and the Heliospheric Magnetic Field		Chris Owen
09:00-09:15	* Marco C.	Velli	Sources of slow solar wind streams
09:15-09:30	* Yeimy	Rivera	Tracing Solar Wind Conditions from their Source to the Heliosphere
09:30-09:45	Raffaella	D'Amicis	Characterizing Alfvénicity in the solar wind and investigating its origin: combined observations from all Solar Orbiter SWA sensors
09:45-10:00	Jean-Baptiste	Dakeyo	Testing the flux expansion factor - solar wind speed relation with SoLO data
10:00-10:15	Fouad	Sahraoui	On cascade and dissipation in heliospheric plasmas
10:15-10:30	Marco	Romoli	4 years of Metis coronagraph observations
10:30-11:00	Coffee & Posters		
Topic 1	Origin of the Solar Wind and the Heliospheric Magnetic Field		Milan Maksimovic
11:00-11:15	* Paulett	Liewer	Structure of the Corona near the Heliospheric Current Sheet (HCS) as seen by WISPR on Parker Solar Probe
11:15-11:30	* Lakshmi P.	Chitta	How small-scale magnetic processes build the solar corona and drive the solar wind
11:30-11:45	Momchil	Molnar	Preliminary analysis of coronal observations with Cryo-NIRSP: Fe XIII 1074/1079 spectroscopy
11:45-12:00	Yingjie	Zhu	Spectroscopic Observations of the Solar Corona in Different Wavelengths and from Multiple Vantage Points
12:00-12:15	Han	Uitenbroek	Spectral inversions of the DKIST-Parker Solar Probe coordinated campaign of June 2-3, 2022
12:15-12:30	Sanja	Danilovic	An overview of last October's SST-Solo observational campaign
12:30-14:00	Lunch + Posters change		
Topic 3/5/6	Solar activity and Particle phenomena		David Lario
14:00-14:15	Dan	Yang	Direct tests of far-side helioseismology using SO/PHI magnetograms

14:15-14:30	* Adam	Finley	Monitoring long-lived active region nests with joint-observations over multiple solar rotations: Flare, morphology, coronal field, and solar wind properties
14:30-14:45	* Antoinette	Galvin	Pickup Ions in the Inner Heliosphere, Solar Orbiter Observations
14:45-15:00	Yihong	Wu	Understanding Observations of Seed Population of SEP Events Using Simulations of Helium Pickup Ions
15:00-15:15	Giulia	Murtas	Compression acceleration of protons and heavier ions at the Heliospheric Current Sheet
15:15-15:50	Coffee & Posters		
15:50-16:20	Intricacies of PSP/SO/DKIST data		
16:20-17:00	Splinters (PSP/SO/DKIST on-disk + off-limb + heliospheric)		
17:00-17:30	Plenary Discussion		
17:30	Wine & Cheese		

Thu. 11th April	First Name	Last Name	Abstract Title
Topic 3/5/6	Energetic particles & dust		Teji
09:00-09:15	* Christina	Cohen	Joint Observations of Solar Energetic Particles and Their Solar Sources
09:15-09:30	Alexander	Warmuth	New results on solar energetic electron events obtained from combined in-situ and remote-sensing observations from Solar Orbiter
09:30-09:45	Hamish	Reid	Energy diagnostics of interplanetary electron beams using X-ray and Radio data from Solar Orbiter

09:45-10:00	Glenn	Mason	Heavy Ion Acceleration in 3He-rich Solar Energetic Particle Events: New Insights from Solar Orbiter
10:00-10:15	Benjamin	Alterman	Status of Inter-Calibration of Solar Orbiter's Heavy Ion Sensor and Suprathermal Ion Spectrograph
10:15-10:30	* Jamey	Szalay	Evolution of zodiacal dust in the inner heliosphere
10:30-11:00	Coffee & Posters		
Topic 4	Flare and on disk signature		David Berghmans
11:00-11:15	Sudip	Mandal	From the cooler chromosphere to the hotter corona: Evolution of dynamic fibrils as revealed through multi-spacecraft observations - [remote talk]
11:15-11:30	* Miho	Janvier	The dynamic layers of the Sun revealed by the Solar Orbiter/PSP/DKIST coordinated observations
11:30-11:45	* Andrea F.	Battaglia	The interesting nature of impulsive microflares: strong magnetic fields and efficient particle acceleration
11:45-12:00	Cole	Tamburri	Probing Chromospheric Dynamics with DKIST Observations of a C-class Solar Flare
12:00-12:15	Hannah	Collier	Short-exposure EUV observations of solar flares from EUV/FSI combined with STIX
12:15-12:30	Ryan	French	Beyond the standard flare model: Current and potential insights from Solar Orbiter, Parker Solar Probe and DKIST
12:30-14:00	Lunch		
Topic 4	CME and Solar Transients		Alessandro Liberatore
14:00-14:15	Ryan	Dewey	December 2022 "disappearing" solar wind: Multi-point in situ observations and their coronal implications
14:15-14:30	Robert	Allen	Transport of CIR-associated suprathermal particles: Observations from Solar Orbiter, Parker Solar Probe, ACE, and STEREO

14:30-14:45	Phillip	Hess	New Insights on the Interiors of Coronal Mass Ejections from the WISPR and SoloHI Heliospheric Imagers
14:45-15:00	Nengyi	Huang	Multi-wavelength high-resolution observation of small-scale coronal ejections as source of solar wind transients
15:00-15:15	Shaheda	Begun Sheik	Internal Structure and Evolution of CMEs through WISPR and SoloHI Heliospheric Imagers - [remote talk]
15:15-15:50	Coffee & Posters		
15:50-16:20	Intricacies of PSP/SO/DKIST data		
16:20-17:30	Closeout discussion		
17:30	Wine & Cheese		

Intricacies [parallel opportunities during the coffee breaks to learn about different instruments]:

PSP: Michael Terres (all in-situ instruments), TBD (WISPR)

SO: TBD

DKIST: TBD