

Solo/PSP/DKIST Joint Meeting Agenda

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

| Sun. 07th April | First Name | Last Name | Abstract Title |
|-----------------|------------|-----------|--|
| 18:00-19:30 | All | All | Registration and ice breaker at the Marriott Conference Center |

| Mon. 08th April | First Name | Last Name | Abstract Title |
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| 08:00-18:00 | All | All | Eclipse excursion |

[^ = Plenary speakers; * = invited speakers]

| Tue. 09th April | First Name | Last Name | Abstract Title |
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| 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 magnetic field in the solar atmosphere and 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 |

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| 11:15-11:30 | * Joao | da Silva Santos | Magnetic Fields in Solar Plage Regions: Insights from DKIST/ViSP Observations |
| 11:30-11:45 | Hanna | Strecker | Active region evolution studied from different vantage points |
| 11:45-12:00 | * Nawin | Ngampoopun | Investigating solar wind outflow from open-closed magnetic field structures using coordinated Solar Orbiter and Hinode observations |
| 12:00-12:15 | Tim | Horbury | The radial evolution and importance of isolated ion-scale structures in the solar wind |
| 12:15-14:00 | Lunch | | |
| Topic 2 | Evlution of plasma magnetic field in the solar atmosphere and 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 | | |
| Hand-on Data Analysis Section | | | Daniel Müller |

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| 16:00-16:20 | * Alisdair | Davey | DKIST Data Center |
| 16:20-17:30 | * Stuart | Mumford | SunPy Data Analysis Session [remote presentation] |
| | * Laura | Hayes | |
| 17:30 | Wine & Cheese | | |

| Wed. 10th April | First Name | Last Name | Abstract Title |
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| Topic 1 | Origin of the Solar Wind and the Heliospheric Magnetic Field | | Chris Owen |
| 09:00-09:15 | * Daniele | Telloni | Synergetic observations of the Sun and heliosphere with Solar Orbiter/Metis and Parker Solar Probe - [remote talk] |
| 09:15-09:30 | * Marco C. | Velli | Sources of slow solar wind streams - [remote talk] |
| 09:30-09:45 | * Yeimy | Rivera | Tracing Solar Wind Conditions from their Source to the Heliosphere |
| 09:45-10:00 | Raffaella | D'Amicis | Characterizing Alfvénicity in the solar wind and investigating its origin: combined observations from all Solar Orbiter SWA sensors |
| 10:00-10:15 | Jean-Baptiste | Dakeyo | Testing the flux expansion factor - solar wind speed relation with SoLO data |
| 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 |

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| 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 & Particle phenomena | | Milan Maksimovic |
| 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 | Giulia | Murtas | Compression acceleration of protons and heavier ions at the Heliospheric Current Sheet |
| 15:00-15:50 | 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) Chairpersons: David Berghmans, Phillip Hess, Nour Raouafi | | |
| 17:00-17:30 | Plenary Discussion | | |
| 17:30 | Wine & Cheese | | |

| Thu. 11th April | First Name | Last Name | Abstract Title |
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| Topic 3/5/6 | Energetic particles & Dust | | David Lario |
| 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 signatures | | 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 |

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| 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. The following people are available to show you tools, scripts and answer your questions.

PSP:

- WISPR: Phillip Hess
- In-situ instruments: Michael Terres

SO:

- PHI: Daniele Calchetti, Jonas Sinjan
- EUI: David Berghmans, Emil Kraaikamp, Cis Verbeeck
- Metis: Frascella Francesco
- SoloHI: Cecilia Mac Cormack
- In-situ instruments:
 - SWA/HIS: Ryan Dewey, Toni Galvin;
 - SWA/EAS: Christopher J. Owen, Georgios Nicolaou
 - SWA/PAS: Philippe Louarn, Andrei Fedorov
 - MAG: Timothy Horbury
 - RPW: Milan Maksimovic
 - EPD: Francisco Espinosa Lara

DKIST:

- VBI: David Kuridze
 - ViSP: Joao da Silva Santos
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Link to join remotely

Topic: SolO/PSP/DKIST Meeting

Time: Apr 9, 2024 08:00 Central Time (US and Canada)

Every day, 4 occurrence(s)

Apr 9, 2024 08:00

Apr 10, 2024 08:00

Apr 11, 2024 08:00

Apr 12, 2024 08:00

Please download and import the following iCalendar (.ics) files to your calendar system. Daily:

<https://umich.zoom.us/meeting/tJcuduCqrD0oG9dG8tSzC2v6YUSaudzLb9Pk/ics?icsToken=98tyKuCrrTojGNaTshiERowqA4j4XerzpiFBjfpZu0fxMDpwMBWgD9dxM6d7CvTS>

Join Zoom Meeting

<https://umich.zoom.us/j/93319226213?pwd=aXhkOG5QMhZpWWREM25qcTFVQTE1UT09>

Meeting ID: 933 1922 6213

Passcode: 20200210
