

| 2024 SHINE BLOCK SCHEDULE | | | | | |
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| Sunday, Aug 11 | | | | | |
| Breakfast | | | | | |
| 8:30-16:00 | | | | | |
| Student (Only!) Day | | | | | |
| Monday, Aug 12 | | | | | |
| 7:00- 8:30 Breakfast | | | | | |
| 8:30-9:00 Welcome & Student Reps' Summary | | | | | |
| 9:00-9:45 NSF Report and Other Business | | | | | |
| 9:45-10:30 Plenary Talk I: Elena Povornikova | | | | | |
| 10:30-11:00 Coffee Break | | | | | |
| 11:00-12:15 | | Flare- & CME-Associated Evolution of Active-Region Coronal Currents | Modern approaches to investigate larger scale structures in the heliosphere | Unraveling Turbulence Dynamics in the Very Local Interstellar Medium (VLISM) and the Connection with Heliophysics | |
| 12:15-14:00 Lunch | | | | | |
| 14:00-15:15 | | Flare- & CME-Associated Evolution of Active-Region Coronal Currents | Modern approaches to investigate larger scale structures in the heliosphere | Unraveling Turbulence Dynamics in the Very Local Interstellar Medium (VLISM) and the Connection with Heliophysics | |
| 15:15-17:45 Diversity Training | | | | | |
| 17:45-20:00 Welcome Reception and Posters | | | | | |
| Tuesday, Aug 13 | | | | | |
| 7:00- 8:30 Breakfast | | | | | |
| 8:30-9:15 Plenary Talk II: Robert Allen | | | | | |
| 9:15-9:30 Move to Breakout Rooms | | | | | |
| 9:30-10:45 | | Achieving coronal and solar wind science closure with multi-mission collaboration | Neutron Monitors and GLEs—The Big Picture | The role of the Helicity Barrier: Impact on Solar Wind Imbalanced Turbulence and Heating | |
| 10:45-11:15 Coffee Break | | | | | |
| 11:15-12:30 | | Achieving coronal and solar wind science closure with multi-mission collaboration | Neutron Monitors and GLEs—The Big Picture | The role of the Helicity Barrier: Impact on Solar Wind Imbalanced Turbulence and Heating | |
| 12:30-13:00 Lunch | | | | | |
| 13:00-14:00 Discussion with NSF on proposals | | | | | |
| 14:00-15:15 | | Small-scale magnetism and dynamics in the lower solar atmosphere | Unifying the Physical Understanding of CMEs through Remote Sensing and In-Situ Observations in the PSP/Solo Era | Pickup ions in the heliosphere and beyond | Making Cross-Heliospheric and Cross-Scale Connections with Global Modeling and Observations |
| 15:15-16:00 Coffee Break | | | | | |
| 16:00-17:15 | | Small-scale magnetism and dynamics in the lower solar atmosphere | Unifying the Physical Understanding of CMEs through Remote Sensing and In-Situ Observations in the | Pickup ions in the heliosphere and beyond | Making Cross-Heliospheric and Cross-Scale Connections with Global Modeling and Observations |
| 17:15-20:00 Poster Session with Refreshments | | | | | |

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| Wednesday, Aug. 14 | | | | | |
| 7:00- 8:30 | Breakfast | | | | |
| 8:30-9:15 | Plenary Talk III: Maria Elena Innocenti | | | | |
| 9:15-9:30 | Move to Breakout Rooms | | | | |
| 9:30-10:45 | | Understanding Variations in Sun's Global Flows | Addressing your SHINE Science Questions with Radio Data | Solar Energetic Particle (SEP) acceleration near the Sun | Multiscale Nature of Plasma Turbulence from Inertial Scales to Dissipation Range |
| 10:45-11:15 | | Coffee Break | Coffee Break | Coffee Break | Coffee Break |
| 11:15-12:30 | | Understanding Variations in Sun's Global Flows | Addressing your SHINE Science Questions with Radio Data | Solar Energetic Particle (SEP) acceleration near the Sun | Multiscale Nature of Plasma Turbulence from Inertial Scales to Dissipation Range |
| 12:30-18:00 | Free Afternoon | | | | |
| 18:00-20:30 | | Poster Session with Refreshments | Poster Session with Refreshments | Poster Session with Refreshments | Poster Session with Refreshments |
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| Thursday Aug. 15 | | | | | |
| 7:00- 8:30 | Breakfast | | | | |
| 8:30-9:15 | Plenary Talk IV: Brian Welsch | | | | |
| 9:15-10:15 | The Things I Wish the Community Would Stop Getting Wrong: Facilitating Knowledge Dissemination | | | | |
| 10:15-10:45 | | Coffee Break | Coffee Break | Coffee Break | Coffee Break |
| 10:45-12:00 | | Beyond the Standard Flare Model | Small Missions, Big Results | Particle Acceleration in Solar Flares and at CME-driven Shocks: Their Interconnection in Producing SEPs and Gamma-rays | |
| 12:00-13:30 | Lunch | | | | |
| 12:30-13:30 | Potential Town Hall/Discussion | | | | |
| 13:30-14:45 | | Beyond the Standard Flare Model | Small Missions, Big Results | Particle Acceleration in Solar Flares and at CME-driven Shocks: Their Interconnection in Producing SEPs | |
| 14:45-17:30 | | Poster Session | Poster Session | Poster Session | Poster Session |
| 18:45-20:30 | Banquet | | | | |

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| Friday, Aug 16 | | | | | |
| 7:00- 8:30 | Breakfast | | | | |
| 8:30-9:30 | Town Hall TBD | | | | |
| 9:30-9:45 | Move to Breakout Rooms | | | | |
| 9:45-11:00 | | Exploring the Solar and Stellar Connection: Investigating Solar and Stellar Winds in Relation to Magnetic Fields and Eruptions | Machine learning-based predictions of solar flares and SEP events | Understanding the role of turbulence and diffusion in SEP transport in the inner heliosphere | |
| 11:00-11:30 | Coffee Break | | Coffee Break | Coffee Break | Coffee Break |
| 11:30-12:45 | | Exploring the Solar and Stellar Connection: Investigating Solar and Stellar Winds in Relation to Magnetic Fields and Eruptions | Machine learning-based predictions of solar flares and SEP events | Understanding the role of turbulence and diffusion in SEP transport in the inner heliosphere | |
| 13:00-13:30 | Final Remarks, plans for SHINE 2025 | | | | |