Tuesday, May 12, 2026

Time (MDT)	Session/Title	Presenter	Presentation files
8:30 AM - 10:00 AM	**Section 1 - PUNCH Mission** Chairs: Rohit Chhibar and Nicholeen Viall		
8:30 AM - 8:40 AM	Introduction and Logistics		
8:40 AM	Approaching One Year of PUNCH Science	Craig DeForest, Southwest Research Institute	View presentation file View recording
9:00 AM	PUNCH Science: A New View on the Inner Heliosphere	Sarah Gibson, NCAR/HAO	View presentation file View recording
9:20 AM	Status of Science Operations for PUNCH	J. Marcus Hughes, Southwest Research Institute	View presentation file View recording
9:40 AM	Update on PUNCH Outreach	Cherilynn Morrow, Consultant - Southwest Research Institute	View presentation file View recording
10:00 AM - 10:30 AM	Coffee Break		
10:30 AM - 12:00 PM	**Section 2 - PUNCH Polarimetry and Flows** Chairs: Craig DeForest and Sarah Gibson		
10:30 AM	(Invited Talk) Packing a PUNCH: Wide-field polarimetry of the heliosphere	Ritesh Patel, Southwest Research Institute, Boulder	View presentation file View recording
10:50 AM	The Polarization Ratio and PUNCH	Curt A. de Koning, University of Colorado/Cooperative Institute for Research in Environmental Sciences	View presentation file View recording
11:05 AM	First Interplanetary Solar Wind Flow Maps series from PUNCH data	Raphael Attié, George Mason University / NASA GSFC	View presentation file View recording
11:20 AM	Go with the Flow - Solar Wind Tracking with PUNCH	Chris Lowder, SwRI	View presentation file View recording

Time (MDT)	Session/Title	Presenter	Presentation files
11:35 AM	Presenter Panel Discussion and Q & A		
12:00 PM - 1:00 PM	Lunch		
1:00 PM - 2:30 PM	**Section 3 - Synergistic Missions**		
	Chairs: Mihir Desai and Cherilynn Morrow		
1:00 PM	(Invited Virtual Talk) Detection and Dynamics of Waves and Flows in the Inner to Middle Solar Corona	Dipankar Banerjee, Indian Institute of Space Science and Technology	View presentation file View recording
1:20 PM	Linking Slow Wind Intervals to Streamers and Pseudostreamers Topologies and Dynamics	Arpit Kumar Shrivastav, Southwest Research Institute, Boulder	View presentation file View recording
1:35 PM	MUSE and PUNCH: a Harmonious Outreach Collaboration	Rebecca Robinson, SETI Institute	View presentation file View recording
1:50 PM	(Virtual Talk) CME Tracking and Semi-automatic Reconstructions with PUNCH	Eleni Nikou, NRC Research Associate, U.S. Naval Research Laboratory	View presentation file View recording
2:05 PM	Presenter Panel Discussion and Q & A		
2:30 PM - 3:30 PM	**Section 4 - Poster Flash Talks**		
	Chairs: Curt de Koning and Sarah Gibson		

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	Matthew Dupertuis - Bent flux rope of the 23 March 2024 CME revealed with multi-spacecraft in situ reconstruction using HeXCor and WSA+Gamera		
	Trestan Simon - Modeling the structured solar wind with STRIA		
	Grace Gratton - Characterizing the Solar Sources of Periodic Mesoscale Solar Wind Structures Responsible for Radiation Belt Particle Loss		
	Mateo Admire - PUNCHing Through the Alfvén Surface: Using An Earth-Scale Imager to Detect Inbound Waves		
	Khagedra Katuwal - Relation between magnetic flux imbalance in coronal holes and high-speed solar wind streams at 1 AU		
	Yan Yang – Correlation anisotropy at varying scales with PUNCH		
	Alison Farrish - The WSA Dashboard: Current and Future Capabilities		
2:30 PM - 3:30 PM	**Sam Van Kooten** - PUNCH's Plumbers: Background subtraction and calibration in the PUNCH pipeline		View Poster Flash Talk Recordings
	Gilly Gilbert - PUNCH PULSE: A Citizen-Science Pipeline for Heliospheric Imagery		
	Subhamoy Chatterjee - Representation learning on PUNCH data		
	Joseph Plowman - Removing Stray Light from NFI Observations		
	Binal Patel - Probing CME Evolution and Acceleration in the Inner Solar Corona with ASPIICS/Proba-3		
	Soumya Yadav (streaming only) - Imaging solar wind structures associated with global auroral expansion using PUNCH		
	Orlando Romeo (streaming only) - Parker Solar Probe In Situ Measurements of the August 30th, 2025 CME		

Time (MDT)	Session/Title	Presenter	Presentation files
3:30 PM - 5:00 PM	Poster Session / Coffee Break		
5:30 PM - 8:30 PM	Networking Event at the NSF NCAR Mesa Lab		

Wednesday, May 13, 2026

Time (MDT)	Session/Title	Presenter	Presentation files
8:30 AM - 10:00 AM	**Section 5 - PUNCH Turbulence/Alfven Surface** Chairs: Raphael Attie and Steve Cranmer		
8:30 AM	Turbulence Investigations Across Space and Time with PUNCH	William Matthaeus, University of Delaware	View presentation file View recording
8:45 AM	1/f Noise in the Heliosphere: a Target for PUNCH Science	Jiaming Wang, University of Delaware	View presentation file View recording
9:00 AM	(Invited Talk) Obtaining turbulence spectral information from remote observations	Francesco Pecora, University of Delaware	View presentation file View recording
9:20 AM	Mapping the Sun’s Alfven Zone with PUNCH	Rohit Chhiber, University of Delaware and NASA Goddard Space Flight Center	View presentation file View recording
9:35 AM	Presenter Panel Discussion and Q & A		
10:00 AM - 10:30 AM	Coffee Break		

Time (MDT)	Session/Title	Presenter	Presentation files
10:30 AM - 12:00 PM	**Section 6 - Tracking/Polarization and Tomography** Chairs: Craig DeForest and David Webb		
10:30 AM	(Invited Talk) Polarization and 3D Kinematic studies of CMEs from multi-mission observations: toward Metis–PUNCH synergies	Yara De Leo, INAF - Astrophysical Observatory of Catania (Italy) and University of Graz (Austria)	View presentation file View recording
10:50 AM	CME in 3D with PUNCH	Anna Malanushenko, HAO/UCAR	View presentation file View recording
11:05 AM	Tomographic Reconstructions of Coronal Mass Ejections with Physics-Informed Neural Radiance Fields	Robert Jarolim, High Altitude Observatory, NSF NCAR	View presentation file View recording
11:20 AM	UCSD Time-Dependent 3-D High-Resolution Reconstructions Using PUNCH Images: What We Have Done To Date	Bernard Jackson, Department of Astronomy and Astrophysics, University of California, San Diego, 9500 Gilman Drive #0424, La Jolla, CA 92093-0424, USA	View presentation file View recording
11:35 AM	Presenter Panel Discussion and Q & A		
12:00 PM - 1:00 PM	Lunch		
1:00 PM - 2:30 PM	**Section 7 - Synergistic Modeling/Data Analysis Tools** Chairs: Marcus Hughes and Nicholeen Viall		
1:00 PM	(Invited Talk) Supporting PUNCH Science with the WSA Model: Capabilities and Opportunities	Samantha Wallace, Embry-Riddle Aeronautical Univ.	View presentation file View recording

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1:20 PM	Automatically Plotting and Identifying Interplanetary Coronal Mass Ejection and Stream Interaction Region in In Situ Observations	Heather Elliott, Southwest Research Institute, San Antonio, TX	View presentation file View recording
1:35 PM	Next-Generation Solar Wind Modeling: Differentiable Framework and its Synergy with PUNCH	Prateek Mayank, SWx TREC, University of Colorado, Boulder	View presentation file View recording
1:50 PM	Simulating Mesoscale CME Structures As Seen By PUNCH	Ward Manchester, University of Michigan	View presentation file View recording
2:05 PM	Presenter Panel Discussion and Q & A		
2:30 PM - 3:30 PM	Poster Session / Coffee Break		
3:30 PM - 5:00 PM	**Section 8 - Hands-On Activity #1**		

Thursday, May 14, 2026

Time (MDT)	Session/Title	Presenter	Presentation files
8:30 AM	In memory of Volker Bothmer		
8:30 AM - 10:00 AM	**Section 9 - PUNCH Connect Part 1** Chairs: Sarah Gibson and Craig DeForest		
8:45 AM	PUNCH CONNECT: Collaborative Event Analysis	Barbara Thompson, NASA Goddard Space Flight Center	View presentation file View recording

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9:00 AM	(Invited Talk) Ensemble modeling of 30 August 2025 CME in the inner heliosphere and comparison with multi-spacecraft observations	Elena Provornikova, JHU APL	View presentation file View recording
9:20 AM	Leveraging an alignment of PUNCH, CODEX and Metis to reveal the outflow and acceleration of the solar wind	Nicholeen Viall, NASA Goddard Space Flight Center	View presentation file View recording
9:35 AM	Presenter Panel Discussion and Q & A		
10:00 AM - 10:30 AM	Coffee Break		
10:30 AM - 12:00 PM	**Section 10 - PUNCH Connect Part 2** Chairs: Heather Elliottt and Anna Malanushenko		
10:30 AM	(Invited Talk) Probing realistic CME model with the Icarus heliosphere model and PUNCH observations	Tinatin Baratashvili, Centre for mathematical Plasma Astrophysics, KU Leuven	View presentation file View recording
10:50 AM	Analysis of Halo CMEs with PUNCH Observations	David Webb, ISR/Boston College	View presentation file View recording
11:05 AM	PUNCH observations of CME shocks and associated particle acceleration	Mihir Desai, Southwest Research Institute, San Antonio TX	View presentation file View recording
11:20 AM	Interaction-Driven Sheath Formation and Geoeffectiveness of Successive CMEs	Shirsh Soni, University of Iowa	View presentation file View recording
11:35 AM	Presenter Panel Discussion and Q & A		
12:00 PM - 1:00 PM	Lunch		

Time (MDT)	Session/Title	Presenter	Presentation files
1:00 PM - 2:30 PM	**Section 11 - PUNCH Interaction Time**		
1:00 PM - 2:30 PM	PUNCH Office Hours/In Person Sandbox/Poster Session		
2:30 PM - 3:00 PM	Coffee Break		
3:00 PM - 4:30 PM	**Section 12 - PUNCH Rib-bone Science**		
	Chairs: Barbara Thompson and Michael Kirk		
3:00 PM	(Invited Talk) Photometry and Polarimetry of faint moving objects with PUNCH.	Simon Porter, Southwest Research Institute	View presentation file View recording
3:20 PM	Searching for asteroids in PUNCH data	Kevin Walsh, Southwest Research Institute	View presentation file View recording
3:35 PM	PUNCH and High-Altitude Aurora	Bea Gallardo-Lacourt, NASA/CUA	View presentation file View recording
3:50 PM	QuickPUNCH Data for Space Weather Research and Operations	Dan Seaton, Southwest Research Institute	View presentation file View recording
4:05 PM	Presenter Panel Discussion and Q & A		
4:30 PM - 5:00 PM	**Final Words and Wrap-up - Craig DeForest**		