

## 2023 SDO EVE Science Team Meeting Agenda

**\*NOTE: Speakers should end at least 5 mins before the listed 'end time' to leave time for Q&A!**

All time are MT

Zoom Link:

<https://cuboulder.zoom.us/j/99460691665>

### Day #1: Tuesday, July 25, 2023

Start time	End Time	Speaker	Institution	Topic
9:00 AM	9:15 AM	Phil Chamberlin	CU/LASP	Welcome, Overview, Agenda, Goals
9:15 AM	9:25 AM	Madhulika Guhathakurta	NASA	Opening Remarks
9:25 AM	10:05 AM	Barbara Thompson	NASA/GSFC	SDO Highlights
10:05 AM	10:35 AM	Tom Woods	CU/LASP	SDO/EVE Status
10:35 AM	10:50 AM	Break		

Session #1	Start time	End Time	Speaker	Institution	Topic
	10:50 AM	11:20 AM	Ryan Milligan	QUB	Variability of Lyman-Alpha Emission During Solar Flares and Implications for Planetary Atmospheres
	11:20 AM	11:40 AM	Giulio Del Zanna	Cambridge	A personal selection of EVE science results
	11:40 AM	11:45 AM	Phil Chamberlin		Moring Session Wrap up, Announcements

Lunch Break  
11:45 AM 1:00 PM  
Walk to Eta's (~-0.3m)  
NOTE: Must clear out of room as it is being used for another meeting during this break  
3415 Colorado Ave, Boulder, CO 80303

Session #2	Start time	End Time	Speaker	Institution	Topic
	1:00 PM	1:30 PM	Gabriela Gonzalez	CU/LASP	Characterization of SDO/EVE MEGS-A L0B Image Data for Improved Spectral Resolution, and Using This to Determine Doppler Velocities of Solar Flares.
	1:30 PM	2:00 PM	Tom Woods	CU/LASP	Solar Physics Applications for the Solar Extreme Ultraviolet (EUV) Spectral Irradiance Observations from the SDO EUV Variability Experiment (EVE)

#### Panel #1: Future Solar Physics Analysis and Results to be done with SDO/EVE

2:00 PM	3:00 PM	Tom Woods	Chair
		Ryan Milligan	Panelist #1
		Amir Caspi	Panelist #2
		Barbara Thompson (TBC)	Panelist #3

3:00 PM 3:15 PM Break

Session #3	Start time	End Time	Speaker	Institution	Topic
	3:15 PM	3:45 PM	Stephen White	AFRL	The Bimodal Solar Corona Revisited
	3:45 PM	4:15 PM	Ed Thiemann	CU/LASP	Solar EUV Irradiance from Mars: Overview of the MAVEN/EUVM Instrument and results of Mars EUV occultations
	4:15 PM	4:45 PM	Tom Eden	CU/LASP	Temperature and Emission Measure Derivations from GOES-R series XRS
	4:45 PM	5:15 PM	Vanessa Polito	LMSAL/BAERI	Ly-alpha emission in nanoflare simulations
	5:15 PM	5:20 PM	Wrap Up, Announcements		

#### Meeting Dinner 6:00 PM

Gondolier Italian Eatery, 4800 Baseline Road, Boulder, CO 80303

<https://gondolieritalianeatery.com/>

\* Please RSVP to Phil Chamberlin by Monday at 9am MT

Note: Unfortunately this is not funded by the meeting, attendees will pay on their own

### Day #2: Wednesday, July 26, 2023

Session #4	Start time	End Time	Speaker	Institution	Topic
	9:00 AM	9:30 AM	Harry Grotorex	QUB	Observational Analysis of Lyman-alpha Emission in Equivalent Magnitude Solar Flares
	9:30 AM	10:00 AM	Nina Stankovic		Using field-aligned flows to map the coronal magnetic field
	10:00 AM	10:30 AM	Hugh Hudson	UC Berkeley / U of Glasgow	Hot Prograde Flows Observed by SDO/EVE
	10:30 AM	10:45 AM	Break		
	10:45 AM	11:15 AM	Cole Tamburri	CU	Using SDO/EVE 304A light curves to investigate impulsive phase flare dynamics

Session #5	Start time	End Time	Speaker	Institution	Topic
	11:15 AM	11:35 AM	Bennet Schwab	CU/LASP	EVE Sounding Rocket Overview
	11:35 AM	12:00 AM	Rita Borelli	CU/LASP	EVE/MEGS results from the recent EVE sounding rocket
	12:00 AM	12:25 PM	Andrew Jones	CU/LASP	A New Method for Analyzing Rocket EVE Data

Lunch Break  
12:25 PM 1:00 PM NOTE: Remaining Schedule updated as of 12:45pm  
Ordering Box Lunches from Half Fast Subs  
Please place order and pay by Tuesday first thing when arriving! \$13, menu in email sent July 21.

#### Session #6: EVE instrument, status, and calibration

Start time	End Time	Speaker	Institution	Topic
1:00 PM	1:30 PM	Rita Borelli	CU/LASP	SDO/EVE Data Product Description and Update
1:30 PM	2:00 PM	Robert Berg	NIST	Degradation of the aluminum filters on SDO/EVE
2:00 PM	2:30 PM	Janet Machol	CU/CIRES	GOES Extreme UltraViolet Sensors (EUVS) calibrations with SDO EVE
2:30 PM	2:45 PM	Break		

#### Panel #2: Future Observational Needs of Solar UV Irradiance

2:45 PM	3:45 PM	Frank Eparvier	Chair
			Panelist #1

#### Session #7

Start time	End Time	Speaker	Institution	Topic
3:45 PM	4:15 PM	Bennet Schwab	CU/LASP	MinXSS/DAXSS/RocketX55 Overview
4:15 PM	4:45 PM	Amir Caspi	SWRI	CubiXSS

### Day #3: Thursday, July 27, 2023

Session #8	Start time	End Time	Speaker	Institution	Topic
	9:00 AM	9:30 AM	Jeffrey Reep	NRL	Using Intensity/Duration Correlations in Solar and Stellar Flares to Improve Models of Irradiance Variability
	9:30 AM	10:00 AM	Nina Stankovic		Using field-aligned flows to map the coronal magnetic field
	10:00 AM	10:30 AM	Yuta Notsu	CU/LASP	XUV Spectra of Active Sun-like Stars: Scaling Relations based on the Long-term Sun-as-a-star datasets
	10:30 AM	11:00 AM	Joshua Pettit	NASA/GSFC	Utilizing FISM2 for new capabilities in ITM modeling at the Community Coordinated Modeling Center
	11:00 AM	11:15 AM	Break		

#### Panel #3: Future of Solar Irradiance Modeling

11:15 AM	12:15 AM	Phillip Chamberlin	Chair
		Yuta Notsu	Panelist #1
		Jeffrey Reep	Panelist #2
		Ed Thiemann	Panelist #3
		Tom Berger	Panelist #4
		Joshua Pettit	Panelist #5

Concluding Remarks  
12:15 AM 12:20 PM Phillip Chamberlin

Optional: Tour of LASP and its Facilities, start at noon, meet in the lobby of SPSC

End of Meeting