

## Team “Cross-scale energy transfer in space plasmas” meeting, Feb 6-10, ISSI Bern

Address: Johannes Geiss Auditorium, first floor  
International Space Science Institute (ISSI)  
Hallerstrasse 6  
3012 Bern

### Monday 6th Feb

09:00 ISSI Introduction presentation by *Mark Sargent*  
09:30 Introduction of the team meeting by *Om Kieokaew*  
10:00 HelioSwarm and future cross-scale plasma studies by *Kris Klein*  
11:00 Plasma turbulence and theories by *Julia Stawarz*

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14:00 Energy conversion channels and turbulence by *Yan Yang*  
15:00 Energy conversion in magnetic reconnection by *Benoit Lavraud*  
16:00 Coffee break, discussion  
17:00 Wine reception

### Tuesday 7th Feb

09:00 Linear gradient techniques, their applications and limitations by *Om Kieokaew*  
10:00 Multi-spacecraft analysis techniques and wave-particle interaction by *Owen Roberts*  
11:00 Nonlinear gradient estimations by *Chao Shen*

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14:00 Wave-particle interactions and the wave-telescope technique by *Yasuhito Narita*  
15:00 Magnetic reconnection with 3-D kinetic simulations by *Fan Guo*  
16:00 Energy transfer in waves coupling with inhomogeneities by *Francesco Pucci*

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19:15 Team dinner at Beaulieu (Erlachstrasse 3, 3012 Bern, Switzerland)

### Wednesday 8th Feb

09:00 Uncertainty quantification of the wave telescope by *Teddy Broeren*  
10:00 Generalized Ohm's law: relations to plasma parameters and velocity distributions by *Harry Lewis*  
10:30 MMS FPI spin-tone effects, J.E decomposition in the frequency domain by *Om Kieokaew*

11:00 Brainstorms, lunch

13:00 Evidence of a dual energy transfer driven by magnetic reconnection at sub-ion scales by *Raffaello Foldes*

14:00 Brainstorms, working on the projects, or free-afternoon

### Thursday 9th Feb

09:00 - 12:00 Presentations of ideas/outlines/methodologies for collaborative projects, get feedback

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14:00 - 17:00 Working on the projects

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19:15 Team dinner at Kornhauskeller restaurant (Kornhauspl. 18, 3011 Bern, Switzerland)

### Friday 10th Feb

09:00 - 12:00 Writing & working on the projects.  
End of the meeting

For the speakers -The talk format is 30 minutes to save time for discussion and coffee break (1 hr including discussion/break per talk).

For all: - Please come with ideas, tools, and codes so that we can develop pilot projects during the meeting. This will help us get started on our collaborative projects quickly and get feedback when we're all there together.

Team website: <https://teams.issibern.ch/energtransferspaceplasmas/>

Local guide: <https://www.issibern.ch/local-guide/>

## **Zoom link**

ISSI Zoom 2 is inviting you to a scheduled Zoom meeting.

Topic: Cross-Scale Energy Transfer in Space Plasmas

Join Zoom Meeting

<https://us02web.zoom.us/j/83713119436?pwd=dnBVNiZjSEIKRGF0SUR5RIRKeUIIQT09>

Meeting ID: 837 1311 9436

Passcode: Plasma

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## **ISSI Acknowledgment**

Message from ISSI program director:

ISSI has recently moved to automatically mining on-line publication data bases for papers published by ISSI Teams.

To facilitate this process, we now suggest the following wording for the Acknowledgements in Team papers:

*"This research was supported by the International Space Science Institute (ISSI) in Bern, through ISSI International Team project #556 (Cross-scale energy transfer in space plasmas)."*

You are welcome to adapt or personalise the acknowledgement, as long as you include the keywords "ISSI", "Bern" and "ISSI International Team project #NNN". You can find your team number in your proposal acceptance message or on our website: <https://www.issibern.ch/program/teams/>

Please note that ISSI requires *\*all\** publications resulting from ISSI Team activities to include an acknowledgement of ISSI's support.