

Geomagnetic Activity Saturation | ISSI Team 654 Meeting 1, 2026

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Local Time - Central Europe (CET)			Mon April 27	Tues April 28	Wed April 29	Thurs April 30	Fri May 1	
Start	End	Duration						
9:00	9:20	0:20	Welcome by ISSI + Participant introductions	Lauri Holappa, Magnetospheric response and dipole tilt	Matti Ala-Lahti, Required accuracy in predicting ICME mesoscale structure	Team Excursion	Tong Dang, Ionosphere-magnetosphere coupling	
9:20	10:15	0:55	Nithin Sivadas, On Uncertainty	Discussion	Discussion		Discussion	
10:15	10:30	0:15	Break	Break	Break		Break	
10:30	10:50	0:20	Karl Laundal, Time-scale dependence of solar wind-based regression	Maria-Theresia Walach, How do auroral boundaries respond to solar wind driving?	Talk 10		Discussion/ Analysis Topic (TBP): Intro	
10:50	11:45	0:55	Discussion	Discussion	Discussion		Discussion/ Analysis Time	
11:45	14:00	2:15	Lunch	Lunch	Lunch		Lunch	
14:00	14:20	0:20	Alexandra Fogg, Modelling with extreme value theory	Discussion/ Analysis Topic (TBP): Intro	Discussion/ Analysis Topic (TBP): Intro		Boyi Wang, Uncertainties from foreshock and shock processes	Planning for Year 1 Introduction
14:20	15:15	0:55	Discussion	Discussion/ Analysis Time	Discussion/ Analysis Time		Discussion	Planning Discussion
15:15	15:30	0:15	Break	Break	Break		Break	Break
15:30	15:50	0:20	Jasmine Sandhu, Uncertainties from cold plasma and ring currents	Discussion/ Analysis Topic (TBP): Intro	Clare Watt, The solar wind, plasma sheet, inner magnetosphere link		David Sibeck, Role of the foreshock in SW/Mag interactions	Discussion/ Analysis Topic (TBP): Intro
15:50	16:45	0:55	Discussion	Discussion/ Analysis Time	Discussion	Discussion	Discussion/ Analysis Time	

#	Speaker, Talk Title	Actual Talk Title	Preferred time
1	Nithin Sivadas, Introduction + Uncertainty and Regression bias		Mon, 9 am
2	Matti Ala-Lahti, Required accuracy in predicting ICME mesoscale structure	What level of accuracy in predicting ICME mesoscale structure is required for reliable space weather forecasting?	Any
3	Alexandra Fogg, Modelling with extreme value theory	Modelling with extreme value theory: modelled vs real extrema	Any
4	Lauri Holappa, Magnetospheric response and dipole tilt	Does the magnetospheric response to solar wind depend on dipole tilt?	Any
5	Boyi Wang, Uncertainties from foreshock and shock processes	Possible sources of uncertainties from using L1-point measurements: solar wind evolution and foreshock/shock processes.	Thurs, Fri
6	Tong Dang, Ionosphere-magnetosphere coupling	Earth's Ionosphere-Magnetosphere Coupling: Insights from TOIs and Solar Eclipses	Thurs, Fri
7	Jasmine Sandhu, Uncertainties from cold plasma and ring currents	1) The contribution of magnetospheric cold plasma dynamics on uncertainties in solar wind-magnetosphere coupling. 2) Uncertainties in ring current indices and how well does Sym-H represent the storm time ring current.	Thurs, Fri
8	Karl Laundal, Time-scale dependence of solar wind-based regression	Time-scale dependence of solar wind-based regression models of ionospheric electrodynamics.	Mon
9	Maria-Theresia Walach, How do auroral boundaries respond to solar wind driving?	How do auroral boundaries respond to solar wind driving?	Any
10	David Sibeck, Role of the foreshock in SW/Mag interactions	Role of the foreshock in solar wind-magnetosphere interactions	Thurs, Fri 3:30 pm
11	Clare Watt, The solar wind, plasma sheet, inner magnetosphere link	The links between the solar wind, the kinetic energy stored in the plasma sheet and the inner magnetosphere	I will be teaching (all in BST) 11-13 Monday 9-11, 14-15 and 16-18 on Tuesday 9-11 on Wednesday Nothing on Thursday and 14-16 on Friday.