

Timetable

GR: General Remarks, OT: Overview Talks, DS: Discussion Sessions

Monday, May 2

9:00-9:30	GR	ISSI	Welcome and Logistics
9:30-10:00	GR	Raluca Ilie, Rona Oran UIUC, MIT	Welcome remarks & team introductions
10:00-10:30	GR	Raluca Ilie, Rona Oran UIUC, MIT	Overview of team goals, plans, and possible outcomes
10:30-11:00		Coffee	
11:00-11:30	OT	Rona Oran MIT	Solar-terrestrial connection: How the solar wind changes the magnetospheric configuration
11:30-12:00	OT	Raluca Ilie UIUC	Magnetosphere-Ionosphere connection
12:00-13:30		Lunch	
13:30-14:00	OT	Mei-Yun Lin UIUC	Ionospheric Outflow: Transport and energization mechanisms
14:00-14:30	OT	Jun Yang Peking University	Habitable Hydrogen Ocean Worlds
14:30-15:00	OT	Caue Borlina, Claire Nichols John Hopkins University, University of Oxford	How do we know and what do we know about Earth's magnetic field over time?
15:00-15:30		Coffee	
15:30-16:00	OT	Aline Vidotto Leiden University	The Sun and the solar wind through time
16:00-16:30	OT	David Catling University of Washington	What makes a planet or moon habitable?
16:30-17:00	OT	all	What is missing?
17:00-18:00		Welcome to ISSI Reception with Wine & Cheese	

Tuesday, May 3

9:00-9:30	OT	Mei-Yun Lin UIUC	Observations of heavy ions in the ionosphere-magnetosphere system
9:30-10:00	OT	Iannis Dandouras Institut de Recherche en Astrophysique et Planetologie	Heavy Ion Outflow, Circulation in the Magnetosphere and Escape: Cluster Advances and Open Questions
10:00-10:30	OT	Elena Kronberg Ludwig-Maximilians Universitat Munchen	Influence of the solar wind and the terrestrial magnetic field on the ionospheric ion outflow
10:30-11:00	Coffee		
11:00-11:30	OT	Mei-Yun Lin UIUC	Assessing the Contribution of Heavy Ion Outflow on the Evolution of the Earth's Ionosphere
11:30-12:00	OT	Romain Maggiolo Belgian Institute for Space Aeronomy	Semi Empirical modeling of the dependency of atmospheric escape on the planetary magnetic moment.
12:00-13:30	Lunch		
13:30-14:00	OT	Caue Borlina John Hopkins University	Measurements of the magnetic field, determine when Earth's magnetic field started (and why this matters)
14:00-14:30	OT	Caue Borlina John Hopkins University	High-resolution magnetic records of excursions and reversals with environmental constraints
14:30-15:00	OT	Claire Nichols University of Oxford	Future targets for improving the paleomagnetic record throughout Earth's history in order to understand the role of the geodynamo during critical time periods such as the Great Oxidation Event and inner core nucleation
15:00-15:30	Coffee		
15:30-16:00	OT	Rona Oran MIT	Assessing solar wind speeds and IMF strength using models and meteorite paleomagnetism
16:00-16:30	OT	Aline Vidotto Leiden University	Solar wind and radiation-driven atmospheric escape in exoplanets
16:30-17:00	OT	David Catling University of Washington	Hydrogen escape from the Earth: Geochemical evidence and consequences

Wednesday, May 4

9:00 – 10:30	DS	all	What questions you wish you had answers for?
10:30–11:00			Coffee
11:00–12:00	DS	all	Identify what is missing, create a mind map of factors that control the loss of heavy elements at geological scales. Identify working groups.
12:00–13:30			Lunch
13:30–16:00			Team Excursion

Thursday, May 5

9:00 – 10:30	DS	all	Working groups
10:30–11:00			Coffee
11:00 – 12:00	DS	all	Working groups
12:00–13:30			Lunch
13:30 – 15:00	DS	all	Working groups
15:00–15:30			Coffee
15:30 – 17:00	DS	all	Working groups
18:00–20:00			Team Dinner

Friday, May 6

9:00 – 10:30	DS	all	Working groups
10:30–11:00			Coffee
11:00 – 12:00	DS	all	RECAP
12:00–13:30			Lunch
13:30 – 15:00	DS	all	Final discussion and planning