IMPRS

for Solar System Science at the University of Göttingen INTERNATIONAL MAX PLANCK RESEARCH SCHOOL









SOLAR SYSTEM SCHOOL

Solar System Science S³ Seminar 2025

Wednesda	v 16	April	2025
VVCullesue	Iy IU	Apili	2023

14:00h – 14:30h Sanghita Chandra Solar spicules and RBEs/RREs in MURaM simulations
14:30h – 15:00h Miles Lindner In situ Rb-Sr using fs-LA-MS/MS-MC-ICP-MS

Wednesday 23 April 2025

13:15h – 13:45h Student meeting

14:00h – 14:30h Ilse de Langen Driving zonal flows in Europa's ocean by magnetic induction

Wednesday 07 May 2025

14:00h – 14:30h Edvarda Harnes Chromospheric Fe I lines in the near-ultraviolet solar spectrum: Simulations vs observations

14:30h – 15:00h Prithwitosh Dey Probing the solar convection zone with inertial modes

Wednesday 14 May 2025

14:00h – 14:30h Lisa Marie Beckmann Characterising stellar oscillations in the brightest PLATO targets

14:30h – 15:00h Arjun Kannan Non-thermal motions in the solar corona

Wednesday 21 May 2025

13:15h – 13:45h Student meeting

14:00h – 14:30h Meghna Dutta JUICE-SWI LEGA data analysis preparation: Basic radiative transfer and retrieval modeling/analyses

14:30h – 15:00h Yifeng Fu Using boundary layer theories to quantify the boundary layer asymmetry in spherical Rayleigh-Bénard convection

Wednesday 28 May 2025

14:00h – 14:30h Jude Simmons An analysis of Fabry-Pérot etalons for the Photospheric Magnetic Imager

14:30h – 15:00h Muneeb Mushtaq Nonlinear saturation mechanism of self-excited toroidal modes

15:00h – 15:30h Kunal Hardeep Singh Characterizing Ca II K line core profiles in high resolution Sunrise Ultraviolet Spectropolarimeter and Imager (SUSI) observations

Wednesday 4 June 2025

14:00h – 14:30h Neelanchal Joshi Inertial mode eigenfunctions from local correlation tracking

14:30h – 15:00h Aswathi Krishnan Kutty Simulation of sunspots in the chromosphere and further comparison of the results with observations

15:00h – 15:30h Noemi Padar The effect of the m=1 high-latitude mode on the Sun's surface magnetic field

Wednesday 18 June 2025

13:15h – 13:45h Student meeting

14:00h – 14:30h Illya Lohay Simulating geomagnetic reversals: Aiming for Earth-like statistics

14:30h – 15:00h Ajay Kumar Yadav Using modern data to understand historical solar observations

15:00h – 15:30h Duresa Temaj Reconstructing annual solar irradiance over the last 9 millennia

Wednesday 25 June 2025

14:00h – 14:30h Mario Roco Moraleda Investigating high-speed outflows from a coronal hole with UV spectroscopy

14:30h - 15:00hFabio PrencipeKinetic simulations of helium in the Hermean plasma environment15:00h - 15:30hBetty Pei-Chun TsaiModeling Ganymede's magnetic field and surface charging processes

Wednesday 2 July 2025

14:00h-14:30h Suprabha Mukhopadhyay Modelling the low-frequency modes of the Sun 14:30h-15:00h Bhinva Ram Thermal evolution of solar coronal loops

15:00h – 15:30h David Ivens Properties of sunspot penumbrae studied through SO/PHI

Wednesday 9 July 2025

14:00h – 14:30h Aarushi Rawat Denoising far-side helioseismic maps: Validating with STEREO/EUVI images and SO/PHI magnetograms

14:30h – 15:00h Abhas Pradhan Rapid moss variability and implications for active region core heating in the solar corona

15:00h – 15:30h Yash Mandowara Nature of the observed m=3 Rossby mode

Wednesday 16 July 2025

13:15h – 13:45h Student meeting

14:00h – 14:30h Rosa Keers Analysis and removal of limb darkening and transit light source effects from exoplanet transit spectroscopy

Location: BigBlueButton, Auditorium http://www.solar-system-school.de