

Wholesun IPA program 6 to 24th of March 2023

Monday 6th:

2:00: short intro by A.S. Brun

2:05 - 2:40 pm A. Shapiro: Magnetic activity of cool stars

2:40 - 3:15 pm D. Fournier: Seismic inversion of global convective flows (title TBC)

Tuesday 7th: (for that day please see third point below)

11:25-12:00 A. Finley: Stirring the base of the solar wind: On heat transfer and vortex formation in the solar atmosphere

12:00-12:35: Q. Wargnier: Time adaptative PIROCK method with error control for MHD systems

Wednesday 8th:

11:20-12:00: A. Nindos "Observational aspects of solar atmospheric phenomena"

12:00-12:45: Duo Talk: B. Brown/A. Fraser: "Dedalus framework for solar and stellar convection and dynamo"

Thursday 9th:

11:00 - 11:35am: V. Archontis: Flux emergence and its connection to the onset of solar dynamic events

11:35- 12:10: E. Alsina Ballester:

Radiative transfer modeling of the intensity and polarization of chromospheric lines in the presence of magnetic fields

Friday 10th:

11:00 - 11:35am : A. Popovas: Pilot global MHD simulations of the solar convective zone using a volleyball mesh decomposition

11:35- 12:10pm: R. Robinson: Signatures of drama in the not-so-Quiet Sun

Monday 13th:

11am -11:45am: Duo Talk by L. Gizon & A. Birch: "Inertial modes as probes of solar convection"

11:45am - 12:20pm: L. Matilsky: Simulating the Sun's Tachocline and Isorotational Contour Tilts

Tuesday 14th:

11am -11:45am: Duo Talk R. Joshi & M. Luna: Interaction of solar jets with filaments: Triggering of large-amplitude filament oscillations

11:45am - 12:20pm: K. Moraitis: Applications of magnetic helicity in the Sun

Wednesday 15th:

11am - 11:35 am: R. Cameron: Observational constraints on the Sun's global dynamo

11:25 am - 12:10 pm: Samrat Sen: Tearing influenced thermal instability in solar current sheets

Thursday 16th:

11:00 - 11:35am: M. Delorme: Convection with adaptive grids : An update on the dyablo code

11:35am - 12:10pm: Daniel Nóbrega Siverio: Modeling coronal bright points

Friday 17th:

Talk on Friday 17th will be:

11:00 - 11:35am: A. Prasad: Data-constrained MHD simulations of the solar corona initiated using non-force-free extrapolations

Monday 20th:

11:30am - 12:05pm: V. Réville: Solar origin of magnetic field reversals in the solar wind

12:05pm - 12:40pm: B. Perri: Impact of surface magnetic field on space weather forecasting

Tuesday 21st:

11:00am - 11:35am : V. Hansteen: Flux emergence and the state of the outer solar atmosphere

11:35am - 12:10pm : D. Przybylski: MURaM simulations of the chromosphere

Wednesday 22nd:

11:00 am - 11:35am: S. Breton: On Gravity waves in F stars: 3D simulations and first analysis of Kepler Data

11:35 am - 12:10pm: J. Varela: Planetary magnetosphere response to extreme space weather conditions

Thursday 23rd:

11:30 am - 12:05pm: K. Krikova: Can we use He to detect small-scale heating events in the lower solar atmosphere ?